

ANNUAL GROUNDWATER MONITORING REPORT

**Oconomowoc Electroplating Company, Inc.
(OECl) Superfund Site
Town of Ashippun, Wisconsin**

**EPA ID # WID006100275
BRRTS # 02-14-000905**



HYDE ENVIRONMENTAL, INC.

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Prepared For:

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June 28, 2022

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“I, James Lindemann, hereby certify that I am a Hydrogeologist, as that term is defined in s. NR 712.03 (1), Wis. Adm. Code, am registered in accordance with the requirements of ch. GHSS 2, Wis. Adm. Code, or licensed in accordance with the requirements of ch. GHSS 3, Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.”

A handwritten signature in black ink, appearing to read 'James C. Lindemann', written over a horizontal line.

James C. Lindemann, Hydrogeologist,
PG, PH, CHMM

June 28, 2022

Date

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1.0 INTRODUCTION

This Annual Groundwater Water Monitoring Report presents the data obtained from the November 2021 groundwater monitoring event completed by Hyde Environmental, Inc. (Hyde) personnel on and in the vicinity of the Oconomowoc Electroplating Company Inc. (OECl) superfund Site located at W2573 Oak Street in the Town of Ashippun, Dodge County, Wisconsin (Figure 1). The groundwater monitoring activities were performed in accordance with the scope of work and field operating procedures presented in the Quality Assurance/ Project Plan (QAPP) dated November 4, 2022 and the Filed Sampling Plan dated November 4, 2022, prepared by Hyde for the OECl Site. The groundwater monitoring activities were performed to document the effectiveness of the monitored natural attenuation (MNA) remedy in remediating the chlorinated volatile organic compounds (CVOCs) impacts found in the groundwater on and downgradient of the OECl Site and to ensure it is protective of the nearby private water supply wells. A minor objective of the groundwater monitoring program is to use the data from the existing monitoring well network to gain a better understanding of the effects the June 2013 in-situ treatment of the contaminated soil in Area A on the OECl Site with Daramend™ has on CVOc concentrations in the groundwater.



2.0 OECI SITE BACKGROUND

Much of the following information is distilled from historical documents contained on the Wisconsin Bureau of Remediation and Redevelopment Tracking System (BRRTS) website and the WDNR Request for Bid.

The OECI Site, at W2573 Oak Street, Town of Ashippun, WI (“Site”), is located approximately 11 miles east of Watertown, seven (7) miles north of Oconomowoc, and 28 miles west-northwest of the state’s largest city, Milwaukee. The Site is in the Northeast Quarter (NE ¼) of the Southeast Quarter (SE ¼) of Section 30, Township 9 North, Range 17 East, Dodge County, WI. The Site includes approximately four (4) acres of the former electroplating facility and an additional 6.5 acres of wetland, including part of Davy Creek, a tributary of the nearby Rock River (Figure 1).

The former OECI facility is bounded by Oak St. to the northeast; Eva St. to the northwest; Elm St. to the southwest; and a Town garage and park to the southeast. The former electroplating area is vacant, devoid of any structures, and generally grass and tree-covered (Figure 2). The Site is in a mixed-use neighborhood with commercial operations and railroad tracks to the northeast of the Site; single-family residents to the northeast; Village-owned buildings and the Ashippun Community Park to the southeast; and wetland, farmland, and a wastewater treatment plant to the southwest.

OECI operated an electroplating facility at the Site from 1957 until February 1991. Electroplating and finishing operations at the facility used nickel, chromium, zinc, copper brass, cadmium, and tin. Wastewater discharged from the Site contained cyanide, chromium, and acid and alkaline solutions. Degreasing at the Site resulted in the discharge of 1,1-dichloroethane (1,1-DCA), chloroform, 1,2-dichloroethane (1,2-DCA), and trichloroethene (TCE). Between 1957 and 1972, untreated wastewater was discharged directly to the wetland south of the Site. Two (2) unlined settling lagoons were constructed on-Site in 1972, prior to the construction of an on-Site wastewater treatment plant, which was completed in 1973. The lagoons measured approximately 60 feet long by 40 feet wide and were approximately 5 feet deep. Concrete lined two (2) of the walls, and sloped gravel lined the others. The untreated plating sludge was known to have overflowed the lagoon banks, accumulating wastes in the adjacent wetlands between Davy Creek and the OECI facility.

In 1980, OECI contracted to remove approximately one million pounds (500 tons) of plating sludge from the lagoons. This amount only represented approximately two-thirds of the volume present in the lagoons at the time. OECI refused to remove the remainder of the wastes.

In the late 1980s, United States Environmental Protection Agency (U.S. EPA) investigations of the Site revealed that approximately 75,000 sq. ft. of wetland near the OECI facility was contaminated with metals and cyanide. By 1990, the EPA completed a



Remedial Investigation (RI) and Feasibility Study (FS). A Record of Decision (ROD) was first signed in September 1990 (later amended in September 1991) and contained five (5) separate discrete actions or operable units (OUs). In general, these included the following:

OU One – Surface water, metal hydroxide sludge, and contaminated soil associated with the two lagoons.

OU Two – All other contaminated soil around the OECI facility not associated with the lagoons.

OU Three – Contaminated groundwater associated with the Site.

OU Four – The most highly contaminated sediments in Davy Creek and the wetlands.

OU Five – The manufacturing building.

In the early 1990s, all OECI assets were removed, including a main process building, wastewater treatment building, waste lagoons, and other miscellaneous equipment, along with 650 cubic yards of lagoon sediments, 700 yards of contaminated soil, and approximately 6,000 cubic yards of contaminated sediments from the adjacent wetlands around Davy Creek. A groundwater pump and treat system, including a building combined with five (5) groundwater recovery wells, was installed at the Site. The system operated between 1997 and 2004. At the request of the U.S. EPA, groundwater treatment was discontinued because the system was deemed no longer effective. The recovery wells were abandoned in 2009 and the treatment building removed in early 2017.

In 2011, the ROD was modified to include monitored natural attenuation (MNA) as a treatment alternative. Soil treatment of the area beneath the former OECI process building was completed with a zero valent iron product (Daramend®) in 2013. The Site has been reviewed for treatment effectiveness by the U.S. EPA over five (5), 5-Year Reviews. Groundwater has been consistently monitored since 2004, with the last groundwater monitoring event completed in November 2018.



3.0 FIELD ACTIVITIES

The following field activities were performed by Hyde personnel during the November 2021 monitoring event:

- Measured the depth to groundwater in the 33 existing OECI Site monitoring wells and noted the condition of the monitoring wells.
- Put new keyed locks on all existing stick-up OECI Site monitoring wells.
- Collected groundwater samples from 28 of the OECI Site monitoring wells for laboratory analyses of volatile organic compounds (VOCs) and MNA parameters including methane, ethane, ethene, total iron, dissolved iron, total manganese, dissolved manganese, alkalinity, chloride, sulfate, sulfide, nitrate, and total organic carbon (TOC). Field measurements, including temperature, pH, specific conductance, oxidation-reduction potential (ORP), dissolved oxygen (DO), and turbidity were also taken during the sampling event.
- Collected groundwater samples from six (6) of the eight (8) residential wells during the November 2021 monitoring event for laboratory analysis of VOCs including 1,4-dioxane. Two (2) of the residential wells that are part of the groundwater monitoring program were not sampled because; PW-04 (W2605 Oak St.), the residence was unoccupied and up for sale; and PW-11 (W2612 Elm St.), the residents were ill with Covid-19.
- Notified the property owners (and residents if different than the property owner), within 10 days of the receipt of the analytical reports from the laboratory subcontractor, of the VOC results. The notification included completing WDNR Form 4400-249, Site Investigation Sample Results Notification, and submitting electronic copies of the analytical reports and WDNR Form 4400-249 to the WDNR Project manager.
- Submitted all data to the WDNR GEMS database. The submittal included an Environmental Monitoring Data Certification Form 4400-231, an exceedance summary by well, an exceedance summary by parameter, and a CD-R containing WDNR ASCII format data files.

The November 2021 monitoring event took place November 30 through December 6, 2021. The groundwater samples were collected from the OECI Site monitoring wells using the low-flow sampling method, in accordance with the low-flow groundwater sampling procedures included in Hyde's November 4, 2021 Field Sampling Plan. Groundwater samples were also collected from six (6) residential wells, in accordance with the private



residential well groundwater sampling procedures included in Hyde's November 4, 2021, Field Sampling Plan.

Photographs, documenting the conditions of the OECI Site monitoring wells from which depth to groundwater measurements and groundwater samples are collected, are provided in Appendix A. Photographs of the five (5) outside spigots, which were used to collect the groundwater samples from five (5) of the private residential wells, are also provided in Appendix A. The residential well at W2601 Oak Street (well PW-03) was sampled from a basement spigot, at the request of the property owner, and a photograph was not taken.

Isoconcentration maps, showing the degree and extent of the trichloroethene (TCE) and vinyl chloride (VC) impacts in the shallow-depth, mid-depth, and bedrock monitoring wells from the April 2003, May 2015, May 2016, May 2017, November 2017, and November 2018 groundwater sampling events, are included in Appendix B. Copies of the laboratory subcontractor (CT Laboratories LLC, Baraboo, Wisconsin) analytical reports are provided in Appendix C. Field groundwater level measurements and groundwater sampling records are presented in Appendix D. The procedures used during these activities are described in the following sections.

3.1 Depth to Groundwater Measurements and Well Inspections

Depth to groundwater measurements were collected from all 33 of the OECI Site monitoring wells on November 30, 2021. The depth to groundwater measurements and the groundwater elevations calculated from the measurements are presented on Table 1. Groundwater elevation data from the previous reporting periods (beginning in November 2014) are also included on Table 1. Vertical gradients calculated for the nested monitoring wells are listed on Table 2.

The condition of the surface seals and monitoring well casings were also noted by the Hyde environmental scientist at the time the depth to groundwater measurements were collected. The conditions of the monitoring wells appear to be unchanged from the conditions noted during the November 2018 monitoring event. Photographs documenting the condition of the monitoring wells are included in Appendix A. The monitoring wells were found to be in good condition, except for the following instances:

- The concrete pad around the steel aboveground protective casing of monitoring well MW-13S is heaved up several inches, causing the protective casing to wobble.
- The top of the stainless-steel well casing of monitoring well MW-12S is significantly (approximately 12 inches) above its outer protective casing, making it impossible to lock the well.

The groundwater depths were measured using a decontaminated electronic water level meter to record the depth-to-water below a surveyed reference point (top of well casing).



The probe on the water level meter was slowly lowered into the monitoring well until the meter was activated (as indicated by an audible tone). The depth-to-water reading was then measured to the nearest 0.01 feet and recorded in the field notes book specific to the OECI site. The water level meter was decontaminated between locations, as described in Section 3.4. Copies of field notes are provided in Appendix D.

3.2 Monitoring Well Sampling Procedures

The following 28 OECI Site monitoring wells are on the annual groundwater sampling list: MW-1S, MW-1D, MW-2D, MW-3D, MW-4S, MW-5D, MW-9S, MW-12S, MW-12D, MW-12B, MW-13S, MW-13D, MW-15S, MW-15D, MW-15B, MW-16S, MW-101S, MW-101B, MW-102S, MW-102D, MW-103S, MW-103D, MW105S, MW105D, MW-105B, TW-202I, OW-6, and MW-14DR. The sampling frequency was reduced, from semi-annual to annual, starting in 2018. Dedicated sample tubing was used to collect the groundwater samples from the OECI Site monitoring wells, to eliminate the potential for cross-contamination of the samples.

The groundwater samples were collected using the low-flow sampling method, as described in Section 3.0 of Hyde's November 4, 2021 Field Sampling Plan, and in accordance with U.S. EPA Publication *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Update IIIB* and WDNR guidance, "Groundwater Sampling Desk Reference," September 1996: Publication Number PUBL-DG-037 96, pp. 95-96. A Geotech™ Model 900-1290 peristaltic pump and dedicated Teflon®-lined polyethylene tubing were used by the Hyde environmental scientist, to purge and sample each monitoring well.

A multi-parameter water quality meter (In-Situ AquaTroll™ 500), and flow-through cell manufactured by In-Situ, were used to measure the pH, ORP, DO, turbidity, specific conductance, and temperature of the groundwater during the low-flow purging process. The multi-parameter water quality meter was calibrated prior to the start of each sampling event, in accordance with the procedures presented in Section 3.6, Instrument Calibration, of Hyde's November 4, 2021 QAPP and the In-Situ AquaTroll™ 500 manual.

During the low flow purging of the monitoring wells, care was taken to ensure that water level drawdown and aquifer disturbance was minimized; keeping the drawdown in the monitoring wells at or below 0.33 feet. Using the flow-through cell (sonde), properly sized for immersion of the probes at pumping rates between 100 and 200 milliliters per minute (ml/min), measurements of pH, temperature, specific conductance, turbidity, DO, and ORP were made at intervals between one (1) and three (3) minutes as direct readings, through a Bluetooth device connected to the In-Situ sonde. The monitoring wells were purged until stable readings of pH, temperature, specific conductance, turbidity, DO, and ORP were obtained. These parameters were considered to be stabilized when three (3) consecutive readings, with interim periods of one (1) to three (3) minutes, varying less than:



- ±0.1 pH unit
- ±3 percent S/cm for specific electrical conductance
- ±0.5°C for temperature
- ±0.3 milligrams per liter (mg/L) for dissolved oxygen
- ±10 percent Nephelometric Turbidity Units (NTU) for turbidity
- ±10 millivolts (mV) for ORP

were observed. All selected field parameters stabilized in all monitoring wells sampled within 30 minutes. In addition, there were no monitoring wells sampled where the observed drawdown of groundwater in the monitoring well was greater than 0.33 feet during purging. Measurements made during the low-flow purging, including the stabilization parameters and the estimated volume purged, were digitally recorded in an application specifically designed for the In-Situ sonde. Copies of the Low-Flow Test Reports for each monitoring well sampled are provided in Appendix D. The final, stabilized field parameter readings are also included on Table 3.

The groundwater samples submitted for laboratory analyses were collected directly from the dedicated tubing of the monitoring wells at the discharge end of the peristaltic pump, after field parameters stabilization and the tubing had been disconnected from the flow-through cell. Samples were pumped at the same rate as that used to achieve well stabilization, directly into sample containers provided by the laboratory. The sample bottles for VOC analysis were filled first and remaining sample bottles requiring unfiltered sample were filled in no particular order. The samples submitted for dissolved iron and dissolved manganese analyses were collected last and filtered in the field, using disposable 0.45-micron(μ) filters, in accordance with procedures described in Section 3.0 of Hyde’s November 4, 2021 Field Sampling Plan. The disposable filters were connected directly to the dedicated tubing of the monitoring wells, at the discharge end of the peristaltic pump, and the sample containers provided by the laboratory subcontractor were filled directly from the outlet of the disposable filters. The groundwater samples were collected after approximately one liter of groundwater was pumped through the filters.

3.3 Residential Well Sampling Procedures

Annual groundwater samples were intended to be collected from eight (8) residential wells located west of the OECI Site during the November 2021 monitoring event. The well identifications and property addresses of the eight (8) residential wells are listed below:

- | | |
|----------------------|----------------------|
| PW-03: W2601 Oak St. | PW-08: W2603 Elm St. |
| PW-04: W2605 Oak St. | PW-09: W2606 Elm St. |
| PW-05: W2611 Oak St. | PW-10: W2607 Elm St. |
| PW-07: W2602 Elm St. | PW-11: W2612 Elm St. |



Two (2) of the eight (8) residential wells that are part of the groundwater monitoring program were not sampled. The residential well at W2605 Oak St. (PW-04) was not sampled because the residence was unoccupied and up for sale during the November 2021 sampling event. The residential well at W2612 Elm St. (PW-11) was not sampled because the residents were ill with Covid-19 during the November 2021 sampling event. Hyde personnel collected the groundwater samples from the residential wells at W2611 Oak St. (PW-05), W2602 Elm St. (PW-07), W2603 Elm St. (PW-08), 2607 Elm St. (PW-10), and W2607 Elm St. (PW-11) from an outside spigot, and from the residential well at W2601 Oak St. (PW-03) from a basement spigot (all before any household treatment system). Photographs of the outside spigots are provided in Appendix A. A photograph of the basement spigot was not taken. A garden hose attached to the outside tap was used to discharge the purge water away from the foundation of the residences. The garden hose was removed from the outside spigot after the purging was completed. As noted above, the residential well at W2601 Oak Street (PW-03) was sampled from a basement spigot, at the request of the property owner. Water was purged for a minimum of 10 minutes from the spigot prior to collecting the groundwater sample. After the 10-minute purging periods were complete, a groundwater sample was collected from each well, in laboratory-provided containers.

3.4 Sample Analysis and Quality Assurance/Quality Control

The groundwater samples collected from the OECI Site monitoring wells were submitted for laboratory analysis of VOCs by EPA Method 8260C. As previously noted, 1,4-dioxane was first added to the VOCs analyte list for the November 2016 sampling event at the request of the WDNR Project Manager. The OECI Site monitoring well groundwater samples were also submitted for laboratory analysis of the following MNA parameters:

<u>Parameter</u>	<u>Analysis Method</u>
Dissolved Gases (Methane, Ethane, Ethene)	Method RSK 175
Total Iron & Manganese	EPA Method 6010C
Dissolved Iron & Manganese	EPA Method 6010C
Alkalinity	EPA Method 310.2
Total Chloride	EPA Method 9056A
Total Sulfate	EPA Method 9056A
Total Sulfide	SM 4500-S2F
Total Nitrate Nitrogen	EPA Method 9056A
Total Organic Carbon (TOC)	EPA Method 9060A

The groundwater samples collected from the residential wells were submitted for laboratory analysis of VOCs by EPA Method 8260C and 1,4-Dioxane by EPA Method 8270D-SIM.



Copies of the laboratory analytical reports from the November 2021 monitoring event are included in Appendix C. The monitoring well sample analytical results and field parameter data are summarized on Table 3. The residential wells sample analytical results are presented on Table 4. Both tables include data obtained from previous semi-annual monitoring events, which were performed in December 2014, May 2015, November 2015, May 2016, November 2016, May 2017, November 2017, and November 2018.

The water level meter used to collect the depth-to-water measurements during the low-flow purging process was decontaminated before and between each use with powdered Alconox[®] mixed in potable water and a distilled water rinse. The flow-through cell used to measure the field parameters during the low-flow purging and sampling of the monitoring wells was also cleaned between samples with a powdered Alconox[®] wash and distilled water rinse. All decontamination procedures are further described in Hyde's November 4, 2021 Field Sampling Plan.

The following quality assurance/quality control samples were collected during the November 2021 monitoring event in accordance with the November 4, 2021 QAPP:

- Trip blanks, provided by the laboratory, were included with each sample shipment of samples to the laboratory. The trip blank samples were analyzed for VOCs.
- Duplicate groundwater samples were collected from monitoring wells MW-13S, MW-105B, and TW-202I and submitted for laboratory analyses of the same parameters as the original groundwater samples collected from the monitoring wells.
- Matrix Spike and Matrix Spike Duplicate (MS/MSD) samples were analyzed by the laboratory.

Note: No equipment blank samples were collected because the laboratory-provided sample containers were filled directly from dedicated sample tubing for the monitoring wells samples and directly from the well spigots for the residential well samples.

The laboratory QA/QC samples produced several qualified results, as follows:

- The 1,4-Dioxane results in OECI Site monitoring well samples MW-1S, MW-1D, MW-5D, MW-9S, MW-2D, OW-6, MW-103S, MW-103D, MW-105B, MW-105B Duplicate, MW-105D, MW-12S, MW-12B, MW-12D, and TB-120121 were qualified because the laboratory control sample was outside acceptance limits and the specified calibration criteria were not met.
- The 2,2-dichloropropane results in OECI Site monitoring well samples MW-3D, MW-4S, MW-14DR, TW-202I, TW-202I Duplicate, MW-15S, MW-15B, MW-



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15D, MW-101S, MW-101B, MW-102S, MW-102D, and TB-120121 were qualified because the replicate/duplicate precision was outside acceptance limits.

- Bromobenzene results in OECI Site monitoring well samples MW-3D, MW-4S, MW-14DR, TW-202I, TW-202I Duplicate, MW-15S, MW-15B, MW-15D, MW-101S, MW-101B, MW-102S, and TB-120121 were qualified because the specified calibration criteria were not met.
- MW-1S: Total Iron was qualified because the matrix spike and/or matrix spike duplicate recovery were outside acceptance limits. Methane was qualified because the matrix spike and/or matrix spike duplicate recovery were outside acceptance limits, and the replicate/duplicate precision was outside acceptance limits.
- MW-103D: Acetone was qualified because the matrix spike and/or matrix spike duplicate recovery were outside acceptance limits. Methylene chloride was qualified because the specified calibration criteria were not met.
- MW-103S: Chlorobenzene was qualified because the laboratory control sample was outside acceptance limits and the specified calibration criteria were not met.
- MW-105D: 1,2-dichlorobenzene, 1,4-dichlorobenzene, and chlorobenzene were qualified because the laboratory control sample was outside acceptance limits and the specified calibration criteria were not met.
- MW-105S: Methane was qualified because the matrix spike and/or matrix spike duplicate recovery were outside acceptance limits, and the replicate/duplicate precision was outside acceptance limits. 2,2-dichloropropane was qualified because the replicate/duplicate precision was outside acceptance limits. Acetone was qualified because it was detected in the associated method blank. Bromobenzene was qualified because the specified calibration criteria were not met. Methylene chloride was qualified because the laboratory control sample was outside acceptance limits, the specified calibration criteria were not met, and it was detected in the associated method blank.
- MW-12S: Chlorobenzene was qualified because the laboratory control sample was outside acceptance limits and the specified calibration criteria were not met.
- MW-15B: Total nitrate nitrogen was qualified because the matrix spike and/or matrix spike duplicate recovery was outside acceptance limits. Total chloride was qualified because the matrix spike and/or matrix spike duplicate recovery was outside acceptance limits and the replicate/duplicate precision was outside acceptance limits.



- TB-120221: Acetone was qualified because it was detected in an associated method blank. Methylene chloride was qualified because it was detected in an associated method blank, the laboratory control sample was outside acceptance limits, and the specified calibration criteria were not met.
- Several compounds detected in the residential wells were qualified because they were estimated values reported between the LOD and LOQ.

The duplicate groundwater samples generally produced results that were similar to the original samples, with relative percent difference values ranging from 0.00% to 29.16% for the duplicate samples collected during the November 2021 sampling event, except for the following instances:

- The reported total nitrate nitrogen concentrations for the original and duplicate samples collected from MW-105B were <0.12 mg/L and 0.47 mg/L, respectively, for a relative difference of 74.47%.
- The reported sulfate concentrations for original and duplicate samples collected from MW-105B were 4 mg/L and 12 mg/L, respectively. This equates to a relative difference of 66.67%.
- The reported total nitrate nitrogen concentrations for the original and duplicate samples collected from TW-202I were 0.25 mg/L and <0.12 mg/L, respectively, which equates to a relative difference of 52.0%.

3.5 Investigative Derived Waste Management

The groundwater purged from the OECI Site monitoring wells during the low-flow sampling method purging process was contained in 5-gallon containers at the well locations and then poured into a 55-gallon drum stored on the OECI Site. After the groundwater sampling activities were completed, the contained groundwater was passed through two (2) granular-activated carbon filters three (3) times, sampled for VOC's and then discharged to a grass-covered portion of the OECI Site property. A portable electric utility pump and garden hose were used to pump the groundwater from the 55-gallon drum through the carbon filters to a second 55-gallon drum. A water sample from the discharge end of the carbon filter was collected in sample vials provided by the laboratory after the third pass through the carbon filters and submitted for laboratory analysis of VOCs (EPA Method 8260C) to assure impacted water in excess of the Wisconsin ES was not being discharged and to document the VOC concentrations that remained in the groundwater discharged to the grass-covered area. The sample name for the November 2021 sampling event post carbon filter sample is PURGE WATER, and the VOCs results are included in Analytical Report 166528 (Appendix C). The PURGE WATER sample collected at the end of the November 2021 sampling event contained detectable concentrations of VOCs, including VC at 0.059 µg/L, which is above the Chapter NR 140 PAL of 0.02 µg/L, but



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below the Chapter NR 140 ES of 0.2 $\mu\text{g/L}$. No other detected compounds exceeded their respective Chapter NR 140 PALs.

The groundwater purged from the spigots of the residential wells, prior to the collection of the groundwater samples, was discharged to the ground surface, for the wells that were sampled using an outside spigot, and to a basement drain, for the well that was sampled from a basement spigot.

All used personal protective equipment and disposable sampling equipment was collected in trash bags and disposed of as general refuse.



4.0 FINDINGS AND DISCUSSION

4.1 Groundwater Flow and Gradients

The depth to groundwater measurements collected from the OECI Site monitoring wells during the November 2021 sampling event and the groundwater elevations calculated from the depth to groundwater measurements are presented on Table 1. Water table contours were produced from the depth to groundwater measurements and calculated groundwater elevations from the following monitoring wells: MW-1S, MW-4S, MW-9S, MW-12S, MW-13S, MW-15S, MW-16S, MW-101S, MW-102S, MW-103S, MW-104S, MW-105S, and MW-106S during the November 2021 sampling event. The water table contours are shown on Figure 2, and indicate that the general direction of groundwater flow at the water table across the OECI Site is to the southwest, towards Davy Creek. The average horizontal gradient calculated from the water table monitoring well water level data was 0.0012 ft/ft for the November 2021 monitoring event. The average horizontal gradients calculated from water table monitoring well water level data collected during the November 2017 and November 2018 monitoring events were 0.0027 ft/ft and 0.0060 ft/ft, respectively.

Table 1 includes the height of the water column in the monitoring wells, calculated from the depth to groundwater measurements and listed well depths. All of the shallow-depth (water table) monitoring wells have 10-foot screen lengths, therefore, a water column height greater than 10 feet indicates the top of the well screens were submerged during the monitoring event in which the water level measurements were collected. Review of the water column height data for the water table monitoring wells indicates the top of the well screens in monitoring wells MW-9S, MW-16S, and MW-106S were submerged during the November 2021 sampling event. The height above the top of the well screens that were submerged ranged from 0.55 feet in MW-16S to 5.99 feet in MW-9S.

Potentiometric surface contours were produced from the depth to groundwater measurements and calculated groundwater elevations from the following mid-depth unconsolidated deposits monitoring wells: MW-5D, MW-12D, MW-13D, MW-14DR, MW-15D, MW-102D, MW-103D, MW-104D, MW-105D, MW-106D, and TW-202I. The mid-depth potentiometric surface contours are shown on Figure 3 and indicate the general direction of groundwater flow in the mid-depth monitoring wells is also to the southwest, towards Davy Creek. The average horizontal gradient calculated from the mid-depth unconsolidated deposits monitoring wells potentiometric surface contours was 0.0018 for the November 2021 monitoring event. The average horizontal gradients calculated from mid-depth monitoring well water level data collected during the November 2017 and November 2018 monitoring events were 0.016 ft/ft and 0.0036 ft/ft, respectively.

Potentiometric surface contours were produced from the depth to groundwater measurements and calculated groundwater elevations from the following bedrock monitoring wells: MW-1D, MW-2D, MW-3D, MW-4D, MW-12B, MW-15B, MW-101B,



MW-105B, and OW-6. The bedrock potentiometric surface contours are shown on Figure 4 and indicate the general direction of groundwater flow in the bedrock is from east-northeast to west-southwest across the OECI Site. The average horizontal gradient calculated from the bedrock monitoring well water level data was 0.012 ft/ft for the November 2021 monitoring event. The average horizontal gradients calculated from bedrock monitoring well water level data collected during the November 2017 and November 2018 monitoring events were 0.017 ft/ft and 0.0036 ft/ft, respectively.

Vertical gradients were calculated for the nested OECI Site monitoring wells from the depth to groundwater measurements. The vertical gradient calculations are presented on Table 2. The positive vertical gradient values on Table 2 represent downward flow directions, while the negative vertical gradient values represent upward flow directions. As shown on Table 2, downward vertical gradient values ranged from 0.0145 ft/ft (MW-15S/D) to 0.0012 ft/ft (MW-105D/B), while upward vertical gradient values ranged from 0.0263 ft/ft (MW-102S/D) to 0.0036 ft/ft (MW-15D/B) during this reporting period.

The vertical gradients calculated for the OECI Site monitoring well nests were downward at the monitoring well nests MW-1S/D (located near the east/northeast corner of the former OECI facility), MW-4S/D (located near the northwest corner of the former OECI facility), and MW-101S/B (located northwest of the former OECI facility).

The vertical gradients calculated for the OECI Site monitoring well nests were upward at the monitoring well nests MW-12S/D/B and MW-13 S/D (located southwest of the former OECI facility), MW-102S/D (located west of the former OECI facility), MW-103S/D (located near the south/southwest corner of the former OECI facility), MW-104S/D (located southwest of the former OECI facility), and MW-106S/D (located west/southwest of the former OECI facility). Several of these locations are located nearer the wetland and Davy Creek, and the upward vertical gradient data from the monitoring well nests south of Elm Street suggest groundwater discharges to the wetland and Davy Creek. The downward vertical gradients seen in the monitoring well nests farther north are most likely due to the pumping from the nearby residential water supply wells.

Review of the vertical gradient data for the MW-15S/D/B well nest shows a downward gradient between MW-15S and MW-15D, and an upward gradient between MW-15D and MW-15B. Conversely, review of the vertical gradient data for the MW-105S/D/B well nest shows an upward gradient between MW-105S and MW-105D, and a downward gradient between MW-105D and MW-105B.

Vertical gradients calculated from the November 2021 depth to groundwater measurements are consistent with historical results.



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4.2 Monitoring Well Sample Results

The final stabilized field parameters readings taken during the low-flow purging of the monitoring wells and the laboratory results for the groundwater samples collected from the monitoring wells are summarized on Table 3. Review of the VOC analytical data presented on Table 3 shows several CVOCs are present at concentrations exceeding their respective Chapter NR 140 ESs and/or PALs in one or more of the groundwater samples collected from the OECI Site monitoring wells during the November 2021 monitoring event. The CVOCs are listed below:

Compound	NR 140 ES* (µg/L)	NR 140 PAL** (µg/L)	LOD (µg/L)	LOQ (µg/L)	# of Wells: ES or Greater	# of Wells: PAL or Greater, but Less Than ES	# of Wells with J/(*) - flagged Result	# of Wells with a Detection
1,1,1-Trichloroethane	200	40	0.013	0.10	0	0	0	5
1,1-Dichloroethane	850	85	0.017	0.10	0	1	6	12
1,1-Dichloroethene	7.0	0.7	0.024	0.10	2	3	3	9
1,2-Dichloroethane	5.0	0.5	0.017	0.10	0	3	1	7
1,4-Dioxane	3.0	0.3	7.0	23	9	0	6	9
Cis-1,2-Dichloroethene (cis-DCE)	70	7.0	0.023	0.10	4	6	3	18
Methylene Chloride	5.0	0.5	0.090	0.40	2	0	0	2
Tetrachloroethene	5.0	0.5	0.028	0.20	1	0	1	2
Trans-1,2-Dichloroethene (trans-DCE)	100	20	0.020	0.10	1	0	2	13
Trichloroethene (TCE)	5.0	0.5	0.022	0.10	6	3	4	17
Vinyl chloride (VC)	0.2	0.02	0.019	0.10	9	3	4	12

Notes:

ES = Enforcement Standard PAL = Preventive Action Limit

LOD = Undiluted Limit of Detection LOQ = Undiluted Limit of Quantitation

J/(*) flag = Reported concentration was between the LOD and LOQ

Dedicated sample tubing was used to collect the groundwater samples from the OECI Site monitoring wells, so no cross-contamination is expected.



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Time series charts showing the trends in TCE concentrations and the concentrations of cis-1,2-DCE and VC, which are the primary biodegradation breakdown products of TCE, in 23 of the monitoring wells that are part of the OECI Site groundwater sampling program, are included as Charts 1 through 23. The trend lines are displayed as dashed lines on the charts. The 2009 through 2013 data presented on the charts was downloaded from the WDNR GEMS on the Web (GOTW) Public Access website.

Time series charts were not produced for monitoring wells MW-4S, MW-15B, MW-101S, and MW-102S because TCE, cis-1,2-DCE, and VC have not been detected in any of the groundwater samples collected from those monitoring wells. A time series chart was not produced for monitoring well MW-12B, because cis-1,2-DCE and VC have not been detected, and TCE was only detected during two (2) of the sampling events, at concentrations well below its Chapter NR 140 PAL of 0.50 µg/L.

Assessment of the historic analytical data and time series charts reveals the following:

TCE, cis-1,2-DCE, and/or VC have not been detected in the following monitoring wells from 2009 to 2021:

TCE	cis-1,2-DCE	VC	Notes
		MW-1S	Monitoring wells with an “S” designation are shallow-depth water table monitoring wells. Pz: Mid-depth unconsolidated deposits monitoring well. BR: Bedrock monitoring well.
MW-1D (BR)	MW-1D (BR)		
MW-3D (BR)			
MW-4S	MW-4S	MW-4S	
	MW-9S	MW-9S	
	MW-12B (BR)	MW-12B (BR)	
		MW-15S	
MW-15B (BR)	MW-15B (BR)	MW-15B (BR)	
MW-101S	MW-101S	MW-101S	
		MW-101B (BR)	
MW-102S	MW-102S	MW-102S	
		OW-6 (BR)	
		MW-14DR (Pz)	



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TCE, cis-1,2-DCE, and/or VC concentrations are exhibiting an overall decreasing trend from 2009 to 2021 in the monitoring wells listed below:

TCE	cis-1,2-DCE	VC	Notes
		MW-1D (BR)	Monitoring wells with an “S” designation are shallow-depth water table monitoring wells.
		MW-2D (BR)	
MW-5D (Pz)	MW-5D (Pz)		Pz: Mid-depth unconsolidated deposits monitoring well.
MW-9S			
MW-12S	MW-12S	MW-12S	
MW-12D (Pz)			
MW-12B (BR)			
MW-13S	MW-13S	MW-13S	
MW-13D (Pz)			
MW-15S			
MW-15D (Pz)	MW-15D (Pz)		
MW-16S	MW-16S	MW-16S	
MW-101B (BR)	MW-101B (BR)		
MW-102D (Pz)			
MW-103S	MW-103S		
MW-103D (Pz)	MW-103D (Pz)		
MW-105S		MW-105S	
MW-105D (Pz)			
MW105B (BR)	MW-105B (BR)	MW-105B (BR)	
TW-202I (Pz)	TW-202I (Pz)	TW-202I (Pz)	
OW-6 (BR)	OW-6 (BR)		
MW-14DR (Pz)	MW-14DR (Pz)		

Note: The ES is still exceeded in the monitoring wells in **bold** font.

TCE concentrations in monitoring well MW-13D exhibit a stable trend through the November 2021 monitoring event. MW-13D had low level, intermittent TCE detections from November 2012 through November 2015. TCE has not been detected in MW-13D from May 2016 to present. VC concentrations in monitoring well MW-15D also exhibit a stable trend from 2009 to 2021 with VC concentrations not being detected above the LOD in 10 of the 12 sampling rounds. The reported VC concentrations in the two (2) samples collected from MW-15D that had detections of VC were 0.02 µg/L and 0.03 µg/L. Both of these VC detections were flagged with the “J” qualifier, which indicates the listed concentration is an estimated value between the LOD and LOQ.



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TCE, cis-DCE and/or VC concentrations are exhibiting an increasing trend from 2009 to 2021 in the monitoring wells listed below:

TCE	cis-1,2-DCE	VC	Notes
MW-1S	MW-1S		Monitoring wells with an "S" designation are shallow-depth water table monitoring wells. Pz: Mid-depth unconsolidated deposits monitoring well. BR: Bedrock monitoring well.
	MW-2D (BR)		
	MW-3D (BR)	MW-3D (BR)	
		MW-5D (Pz)	
MW-9S			
		MW-12S	
	MW-12D (Pz)	MW-12D (Pz)	
	MW-13D (Pz)	MW-13D (Pz)	
	MW-15S		
	MW-102D (Pz)	MW-102D (Pz)	
		MW-103S	
		MW-103D (Pz)	
	MW-105S		
	MW-105D (Pz)	MW-105D (Pz)	

Note: The ES is still exceeded in the monitoring wells in **bold** font.

- The data presented above shows TCE concentrations are non-detect or decreasing in 26 of the monitoring wells; (down from 27 for the November 2018 monitoring event), cis-1,2-DCE concentrations are non-detect or decreasing in 19 of the monitoring wells (down from 21 for the November 2018 monitoring event); and VC concentrations are non-detect or decreasing in 19 of the monitoring wells (down from 22 for the November 2018 monitoring event).
- As noted above, TCE concentrations in monitoring wells MW-1S and MW-9S exhibited an increasing trend from 2009 to 2021. However, review of the time series charts for MW-1S and MW-9S show that all TCE detections in the groundwater samples collected from MW-1S and MW-9S are well below the Chapter NR 140 PAL of 0.50 µg/L.
- The greatest decrease in TCE impacts from the January 2009 to November 2021 monitoring event occurred at water table monitoring well MW-105S, with TCE concentrations declining from 3,700 µg/L in November 2013 to 70 µg/L in November 2021 (Chart 18).
- Review of the time series chart for mid-depth unconsolidated deposits monitoring well MW-105D (Chart 19) shows TCE, cis-1,2-DCE, and VC concentrations increased from January 2009 to November 2012, but were on a decreasing trend since Daramend™ was applied to Area A of the OECl Site, in June 2013. However,



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TCE, cis-1,2-DCE, and VC concentrations in MW-105D reported during the November 2021 monitoring event were the highest since November 2012.

- The low-level TCE, cis-1,2-DCE, and VC impacts in bedrock monitoring well MW-105B have also generally declined since the June 2013 application of Daramend™ in Area A, to the point that cis-1,2-DCE is the only one of the three (3) compounds that has been detected in the samples collected during the last six (6) monitoring events (Chart 20). The MW-105S/D/B monitoring well nest is located south of Elm Street, in the wetland area on the OECI Site.
- TCE impacts also decreased significantly in mid-depth monitoring well MW-103D, which is located north of Elm Street, on the south side of the former OECI facility. The reported TCE concentration was 740 µg/L in the sample collected from MW-103D in January 2009 and was 120 µg/L in the sample collected during the November 2021 monitoring event.
- The greatest decrease in VC impacts occurred at water table monitoring well MW-16S, with VC concentrations declining from 97 µg/L in November 2012 to 33 µg/L in November 2021. MW-16S is located south of Elm Street, in the wetland area on the OECI Site. Review of the MW-16S time series chart (Chart 13) also shows that cis-1,2-DCE concentrations increased from 770 µg/L in November 2012 to 1,400 µg/L in November 2013 (about five months after Daramend™ was applied to Area A), but have since been on a declining trend, with the cis-1,2-DCE concentration in the November 2021 sample down to 390 µg/L. TCE was not detected in the samples collected from MW-16S during the last eight (8) sampling events.
- Review of the chart for mid-depth unconsolidated deposits monitoring in well MW-5D (Chart 5), which is located north of Elm Street, near the southeast corner of the former OECI facility, shows that TCE and cis-1,2-DCE impacts are on a declining trend from 2009 to 2021, with the reported TCE and cis-1,2-DCE concentrations from the November 2021 monitoring event the lowest since at least 2009. Although VC concentrations are on an increasing trend, from not detected (detection limit = 0.65 µg/L) in January 2009, the November 2021 VC concentration in MW-5D (0.8 µg/L) was the lowest since 2009, and down from a high of 6.9 µg/L in November 2018.
- Review of the time series chart for mid-depth, unconsolidated deposits in monitoring well MW-15D (Chart 12), which is located on the north side of the Elm Street right-of-way, west of the OECI Site, shows a declining trend in TCE and cis-1,2-DCE impacts from 2009 to 2021. VC concentrations in MW-15D were below the detection limit of 0.019 µg/L for the samples collected during the January 2009, November 2013, and May 2015 events, and below the detection limit of 0.016 µg/L for the samples collected from May 2016 through the November

2021 monitoring events. VC was detected at J-flagged concentrations of 0.02 µg/L in the sample collected during the November 2014 monitoring event and 0.03 µg/L in the sample collected during the November 2015 monitoring event, which are at or slightly above the Chapter NR 140 PAL of 0.020 µg/L for VC. The J-flag qualifier indicates that the VC concentrations in the samples are estimated values, between the LOD and LOQ. VC has not been detected in the last six (6) groundwater samples collected from MW-15D, which suggests a declining trend since the November 2015 sampling event.

- VC concentrations in mid-depth monitoring well MW-102D (Chart 15), which is located on the south side of the Elm Street right-of-way, approximately 180 feet west of the MW-15S/D/B well nest, increased from 0.067 µg/L in January 2009 to 0.32 µg/L in May 2016 and VC concentrations have been above the Chapter NR 140 ES of 0.20 µg/L since the May 2015 monitoring event. The VC concentration in MW-102D reported during the November 2021 monitoring event (1.1 µg/L) was the highest reported concentration of VC in MW-102D since at least 2009.

TCE and VC isoconcentration maps for the shallow-depth, unconsolidated deposits monitoring wells, mid-depth unconsolidated deposits monitoring wells, and bedrock monitoring wells were produced from the November 2021 monitoring event analytical data. The isoconcentration maps are included as Figures 5 through 10 and are discussed below. The discussion also includes a comparison of the November 2021 isoconcentration maps to the shallow-depth (water table), mid-depth, and bedrock monitoring wells isoconcentration maps produced from the November 2018 monitoring event. Copies of the November 2018 monitoring event isoconcentration maps are provided in Appendix B.

4.2.1 Isoconcentration Maps Discussion – Trichloroethene (TCE)

As shown on Figure 5, monitoring well MW-105S, which is located south of Elm Street in the wetland area near Davy Creek, has the highest TCE concentration in shallow groundwater with a reported TCE concentration of 70 µg/L in November 2021. The occurrence of the highest shallow-depth TCE impacts in the wetland area instead of in or near the source areas on the former OEI facility can likely be attributed to the remedial actions performed in the source areas including the application of Daramend™ in Area A in June 2013. The presence of predominantly downward vertical gradients north of Elm Street and upward vertical gradients in the wetland area also contribute to the highest TCE impacts near the water table occurring in the wetland area. Monitoring well MW-103S, which is located north of Elm Street, on the south side of the former OEI facility, is the other shallow-depth monitoring well with TCE impacts above the Chapter NR 140 ES of 5.0 µg/L, with a reported TCE concentration of 32 µg/L in November 2021. Low-level (less than 0.5 µg/L) TCE impacts, reported from the November 2021 monitoring event, are found at monitoring wells MW-1S, MW-9S, MW-13S, MW-15S, and MW-16S. TCE was not detected in the other shallow-depth monitoring wells on the OEI Site (MW-4S, MW-101S, and MW-102S).



Comparison of the November 2021 TCE isoconcentration map for the shallow-depth (water table) monitoring wells and the November 2018 TCE isoconcentration map indicates that TCE impacts south of Elm Street, in and near the wetland area, decreased from November 2018 to November 2021. Specifically, the reported TCE concentration in monitoring well MW-105S, located south of Elm Street, in the wetland near Davey Creek, decreased from 610 µg/L in November 2018 to 70 µg/L in November 2021; and the reported TCE concentration in monitoring well MW-12S decreased, from 45 µg/L in November 2018 to 2.6 µg/L in November 2021. TCE was not detected in the sample collected from MW-4S in November 2021 and the reported TCE concentrations in MW-9S were essentially stable, with concentrations between 0.18 µg/L in November 2018 and 0.21 µg/L in November 2021. TCE concentrations decreased in MW-1S from 0.17 µg/L in November 2018 to 0.035 µg/L in November 2021 and in MW-13S from 0.18 µg/L in November 2018 to 0.15 in November 2021. TCE was not detected above the LOD of 0.050 µg/L in MW-15S during the November 2018 sample; however, TCE was detected at a concentration of 0.078 µg/L in November 2021. TCE concentrations in MW-103S increased slightly, with concentrations between 26 µg/L in November 2018 and 32 µg/L in November 2021. TCE was not detected in the other shallow-depth monitoring wells that were sampled in November 2018.

Figure 6 shows that the mid-depth TCE plume is larger than the water table TCE plume (Figure 5), and much larger than the bedrock TCE plume (Figure 7). The greater TCE plume extent in the mid-depth zone can be attributed to the migration of impacts away from the source areas on the former OEI facility due to advection, dispersion, and groundwater flow. As discussed in Section 4.1, horizontal groundwater flow in the unconsolidated deposits is generally more to the southwest, and more to the west-southwest in bedrock. Vertical gradients are predominantly downward north of Elm Street so the TCE impacts originating on the former OEI facility would move downward as groundwater flows to the southwest and west. As shown on Figure 6, the highest TCE impacts in the mid-depth monitoring wells, based on November 2021 analytical data, occurs at monitoring well MW-103D, which is located north of Elm Street, on the south side of the former OEI facility, with a reported TCE concentration of 120 µg/L. TCE impacts above the Chapter NR 140 ES of 5.0 µg/L are also present at monitoring wells TW-202I (5.1 µg/L), which is located south of Elm Street, near the intersection of Eva Street and Elm Street; MW-15D (7.3 µg/L), which is located on the north side of the Elm Street right-of-way, west of the OEI Site; and MW-105D (73 µg/L), which is located south of Elm Street, in the wetland near Davey Creek. TCE impacts above the Chapter NR 140 PAL of 0.5 µg/L are present at monitoring wells MW-5D (1.3 µg/L) and MW-12D (0.64 µg/L). The November 2021 monitoring event TCE concentrations in the other mid-depth monitoring wells (MW-13D, MW-14DR, and MW-102D), were either below the LOD of 0.022 µg/L, or were below the Chapter NR 140 PAL of 0.50 µg/L.

Comparison of the TCE isoconcentration map for the mid-depth monitoring wells in November 2021 to the November 2018 TCE isoconcentration map indicates that TCE impacts declined, or were generally stable, in monitoring wells MW-12D, MW-13D,



MW-15D, and TW-202I. . The highest TCE impacts in the mid-depth monitoring wells for the last several monitoring events occurred at monitoring well MW-103D, which is located north of Elm Street, on the south side of the former OEI facility. TCE impacts in MW-103D decreased from 320 µg/L in November 2018 to 120 µg/L in November 2021; while TCE impacts in MW-5D, which is located near the southeast corner of the former OEI electroplating facility, decreased from 38 µg/L in November 2018 to 1.3 µg/L in November 2021. TCE impacts in MW-105D, located south of Elm Street, in the wetland near Davey Creek, increased significantly, from 0.32 µg/L in November 2018 to 73 µg/L in November 2021. TCE impacts increased slightly at monitoring well MW-14DR, from <0.050 µg/L in November 2018 to 0.083 µg/L in November 2021

As shown on Figure 7, TCE was only detected in one of the eight (8) bedrock monitoring wells that are sampled as part of the OEI Site monitoring program. TCE was detected in MW-101B at a concentration of 0.18 µg/L, which is below the NR 140 PAL of 0.50 µg/L. TCE has not been detected in any of the bedrock monitoring wells since the May 2016 monitoring event, when TCE was detected in MW-101B at a concentration of 0.045 µg/L. MW-101B is located west of the OEI Site, on the west side of the Eva Street right-of-way.

4.2.2 Isoconcentration Maps Discussion – Vinyl Chloride (VC)

As shown on Figure 8, the highest VC impacts in the shallow groundwater occur at monitoring well MW-16S, which is located in the wetland south of Elm Street, with a reported VC concentration of 33 µg/L in November 2021. VC concentrations also exceed the Chapter NR 140 ES of 0.20 µg/L at monitoring wells MW-12S (5.4 µg/L) and MW-105S (0.69 µg/L) in November 2021. The VC concentration at monitoring well MW-103S (0.16 µg/L) exceeded the NR 140 PAL of 0.020 µg/L in November 2021. VC was not detected in the seven (7) other shallow-depth (water table) monitoring wells on the OEI Site sampling list (MW-1S, MW-4S, MW-9S, MW-13S, MW-15S, MW-101S, and MW-102S).

The shallow-depth monitoring wells' VC plume, produced from the November 2018 monitoring event data, is similar to the shallow-depth VC plume produced from the November 2021 monitoring event data; however, it extends slightly farther to the north/northeast, with the low-level detection at MW-103S (0.16 µg/L). Monitoring well MW-16S had the highest VC impacts over the last several monitoring events. The VC concentrations at monitoring wells MW-16S, MW-12S, and MW-105S exceeded the NR140 ES in the November 2018 monitoring event. VC has not been detected in the seven (7) other shallow-depth (water table) monitoring wells that are on the OEI Site sampling list (MW-1S, MW-4S, MW-9S, MW-13S, MW-15S, MW-101S, and MW-102S) over the last several monitoring events.

Review of the analytical data shows that VC concentrations increased at MW-12S, from 0.56 µg/L in November 2018 to 5.4 µg/L in November 2021. VC concentrations at



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MW-103S increased from <0.095 $\mu\text{g/L}$ in November 2018 to 0.16 $\mu\text{g/L}$ in November 2021. VC concentrations increased at MW-16S, from 25 $\mu\text{g/L}$ in November 2018 to 33 $\mu\text{g/L}$ in November 2021. VC concentrations at MW-105S decreased from 7.8 $\mu\text{g/L}$ in November 2018 to 0.69 $\mu\text{g/L}$ in November 2021. VC was not detected above the LOD in the seven (7) other shallow-depth (water table) monitoring wells that are on the OECI Site sampling list.

Comparison of Figures 8 and 9 shows the mid-depth VC plume (November 2021) extends farther west than the shallow-depth VC plume. The NR 140 ES of 0.20 $\mu\text{g/L}$ for VC was exceeded in the November 2021 groundwater samples collected from MW-5D, MW-12D, MW-13D, MW-102D, MW-103D, and MW-105D. The groundwater sample collected from monitoring well MW-105D, which is located south of Elm Street, in the wetland near Davey Creek, had the highest VC concentration of the mid-depth monitoring wells, at 27 $\mu\text{g/L}$, in November 2021. VC was not detected in the groundwater samples collected from mid-depth monitoring wells MW-14DR, MW-15D, and TW-202I during the November 2021 monitoring event.

Comparison of the VC isoconcentration map for the mid-depth monitoring wells in November 2021 to the VC isoconcentration map for the mid-depth monitoring wells in November 2018 indicates that the extent of the mid-depth VC plume in the north-to-south direction shifted to the south, with the increase in the VC concentration in MW-105D, from 2.8 $\mu\text{g/L}$ in November 2018 to 27 $\mu\text{g/L}$ in November 2021, and the decrease in MW-5D from 6.9 $\mu\text{g/L}$ in November 2018 to 0.80 $\mu\text{g/L}$ in November 2021. The western extent of the mid-depth VC plumes is very similar for the last several monitoring events, because the VC concentration in monitoring well MW-102D has exceeded the NR 140 ES of 0.20 $\mu\text{g/L}$ (ranging from 0.21 $\mu\text{g/L}$ to 1.1 $\mu\text{g/L}$) in all of those events. VC was not detected in the samples collected from mid-depth monitoring wells MW-14DR, MW-15D, and TW-202I over the last several monitoring events. The VC concentration in mid-depth monitoring well MW-12D increased from 0.85 $\mu\text{g/L}$ in November 2018 to 8.9 $\mu\text{g/L}$ in November 2021, and the VC concentration in mid-depth monitoring well MW-13D increased from 0.044 $\mu\text{g/L}$ in November 2018 to 0.25 $\mu\text{g/L}$ in November 2021. The VC concentration in mid-depth monitoring well MW-103D was reported below a higher LOD of ($<$) 0.95 $\mu\text{g/L}$ in November 2018, while the VC concentration in MW-103D was 0.27 $\mu\text{g/L}$ in November 2021. The reported VC concentration for the groundwater samples collected from mid-depth monitoring well MW-102D increased slightly, from 0.25 $\mu\text{g/L}$ in both November 2017 and November 2018 to 1.1 $\mu\text{g/L}$ in November 2021, indicating generally stable VC concentrations at the downgradient edge of the plume.

As shown on Figure 10, VC was detected in two (2) of the bedrock monitoring wells during the November 2021 monitoring event: MW-1D and MW-3D. The reported VC concentration in the sample collected from MW-1D was 0.098 $\mu\text{g/L}$ and the reported VC concentration in the sample collected from MW-3D was 0.075 $\mu\text{g/L}$. These concentrations are below the Chapter NR 140 ES of 0.20 $\mu\text{g/L}$, but above the Chapter NR 140 PAL of 0.02 $\mu\text{g/L}$. VC was detected in the groundwater samples collected from bedrock



monitoring wells MW-1D (0.11 µg/L), MW-2D (0.042 µg/L), and MW-3D (0.025 µg/L) during the November 2018 monitoring event. These reported concentrations exceed the Chapter NR 140 PAL but are below the Chapter NR 140 ES of 0.20 µg/L.

Per a previous monitoring report, the extent of VC impacts in bedrock that exceeded the Chapter NR 140 PAL of 0.020 µg/L increased from November 2017 to November 2018 due to the increase in VC concentrations in monitoring wells MW-2D and MW-3D. Comparison of the bedrock monitoring well November 2018 VC plume map to the November 2021 VC plume maps shows the extent of VC impacts in the bedrock that exceed the Chapter NR 140 PAL have decreased slightly. The November 2021 VC plume does not extend as far south as the November 2018 VC plume, as MW-2D decreased from 0.042 µg/L in November 2018 to <0.019 µg/L (non-detect) in November 2021. The bedrock VC plume isoconcentration maps produced from the last several monitoring events suggest low-level VC impacts are detected sporadically in some of the bedrock monitoring wells, but the detections are all well below the Chapter NR 140 ES.

4.2.3 Isoconcentration Maps Discussion – 1,4-Dioxane

Given the higher LODs in past monitoring events, there has never been a detection of 1,4-dioxane, a chlorinated solvent stabilizer, prior to the November 2021 monitoring event in any monitoring well since monitoring for 1,4-dioxane began in November 2016. As shown on Figure 11, monitoring well MW-105S, which is located south of Elm Street in the wetland area near Davy Creek, likely has the highest 1,4-dioxane concentration in shallow groundwater but due to elevated concentrations of CVOCs in MW-105S, the LOD for 1,4-dioxane is 140 µg/L. Similar to TCE, the occurrence of the highest shallow-depth 1,4-dioxane impacts are in the wetland area instead of in or near the source areas on the former OEI facility. This can possibly be attributed to the remedial actions performed in the source areas with the application of Daramend™ in June 2013, the presence of predominantly downward vertical gradients north of Elm Street and upward vertical gradients in the wetland area. Monitoring wells MW-4S (21 µg/L), MW-15S (12 µg/L), MW-101S (17 µg/L), and MW-102S (16 µg/L), all generally located west-northwest of the OEI Site; MW-103S (32 µg/L), which is located north of Elm Street, on the south side of the former OEI facility; and MW-16S (31 µg/L), which is located south of Elm Street, in the wetland area near Davy Creek, are the other shallow-depth monitoring wells with 1,4-dioxane impacts above the Chapter NR 140 ES of 3.0 µg/L. 1,4-Dioxane was not detected in the other shallow-depth monitoring wells including MW-1S, MW-9S, MW-12S, and MW-13S.

As shown on Figure 12, the mid-depth 1,4-dioxane plume is much smaller than the shallow-depth (water table) 1,4-dioxane plume (Figure 11). The mid-depth 1,4-dioxane plume is generally located south of Elm Street, in the wetland area near Davy Creek. As with MW-105S, screened in the shallow water bearing unit, MW-105D has a higher LOD; thus, the concentration in MW-105D is reported as < 35 µg/L. The only mid-depth monitoring well with a detection of 1,4-dioxane is MW-12D, at 31 µg/L. Both of these



monitoring wells are located south of Elm Street, in the wetland area near Davy Creek. The extent of 1,4-dioxane in the mid-depth zone can be attributed to the migration of impacts away from the source areas on the former OECI facility due to advection, dispersion, and groundwater flow. As discussed in Section 4.1, horizontal groundwater flow in the unconsolidated deposits is generally more to the southwest. Vertical gradients are predominantly downward north of Elm Street, so the 1,4-dioxane impacts originating on the former OECI facility would move downward as groundwater flows to the southwest. 1,4-Dioxane was not detected in the other mid-depth monitoring wells, including MW-5D, MW-13D, MW-15D, MW-102D, MW-103D, TW-202I, and MW-14DR.

As shown on Figure 13, 1,4-dioxane was only detected in MW-101B (11 µg/L) and MW-3D (33 µg/L). Both of these reported concentrations are above the Chapter NR 140 ES of 3.0 µg/L. The extent of 1,4-dioxane in the bedrock monitoring wells is very similar to the extent of TCE in the bedrock monitoring wells (Figure 7). As previously discussed, the only detection of TCE in the bedrock monitoring wells in November 2021 was in MW-101B. MW-101B is located west of the OECI Site, on the west side of the Eva Street right-of-way, and MW-3D is located on the west side of the former OECI facility.

4.2.4 MNA Parameters Results

The MNA parameters results from the November 2021 monitoring event for the shallow-depth unconsolidated deposits monitoring wells, mid-depth unconsolidated deposits monitoring wells, and bedrock monitoring wells are listed on Figures 14 through 16. All MNA field measurements were taken at the end of the low-flow purging process. The stabilized ORP measurements suggest conditions conducive for reductive dechlorination of TCE (ORP less than 50 mV) are present in eight (8) of the eleven (11) shallow-depth monitoring wells, seven (7) of the nine (9) mid-depth monitoring wells, and seven (7) of the eight (8) bedrock monitoring wells.

There are no stabilized DO concentrations conducive for reductive dechlorination of TCE (DO less than 0.50 mg/L) in any of the monitoring wells sampled. The lowest DO concentration was 0.57 mg/L in bedrock monitoring well MW-1D. Per the last annual monitoring report, none of the stabilized DO concentrations measured in the shallow-depth monitoring wells during the November 2018 sampling event were below 0.50 mg/L and only two (2) of the nine (9) DO concentrations measured in the mid-depth unconsolidated deposits monitoring wells were below 0.50 mg/L. The DO concentrations measured in six (6) of the eight (8) bedrock monitoring wells during the November 2018 sampling event were below 0.50 mg/L. The data suggests that DO concentrations in the groundwater beneath the OECI Site can fluctuate from concentrations that are favorable for reductive dechlorination of TCE (less than 0.50 mg/L) to concentrations that are not favorable for reductive dechlorination of TCE.

The scoring system for MNA parameters presented in the June 2006 Minnesota Pollution Control Agency (MPCA) Site Remediation Section report entitled “*Natural Attenuation of*



Chlorinated Solvents in Ground Water” was used to evaluate the MNA data from the November 2021 monitoring event. A copy of the Table included as Appendix B of the June 2006 MPCA Site Remediation Section report that lists the scoring criteria for the MNA parameters is included in Appendix E. Points are also given if VC, cis-1,2-DCE, or chloroethane are present in a specific groundwater sample. VC and cis-1,2-DCE are produced during the biological reductive dechlorination of TCE and chloroethane is a product of VC biodegradation under reducing conditions. Zero (0), one (1), two (2), three (3), or minus three (-3) points are assigned to each MNA parameter result for each of the groundwater samples collected from the OECI Site monitoring wells during the November 2021 monitoring event, based on the scoring criteria listed in the MPCA Table included in Appendix E. The total points given for the monitoring wells samples and the interpretation as to whether the MNA parameters data is indicative of conditions favorable for natural biodegradation of chlorinated ethenes is presented on Table 5. The scores calculated from the May 2015, May 2016, May 2017, November 2017, and November 2018 monitoring events data, which were discussed in previous annual monitoring reports, are also included on Table 5. As listed on Table 5, samples with a total score between 0 and 5 are considered to have inadequate evidence for biodegradation, scores between 6 and 14 are considered to have limited evidence for biodegradation, and scores between 15 and 20 are considered to have adequate evidence for biodegradation.

The data from the November 2021 monitoring event produced the following results:

- Scores for seven (7) of the shallow-depth (water table) monitoring wells, two (2) of the mid-depth monitoring wells, and five (5) of the bedrock monitoring wells fell within the 0 to 5 range (inadequate evidence for biodegradation).
- Scores for four (4) of the shallow-depth (water table) monitoring wells, seven (7) of the mid-depth monitoring wells, and three (3) of the bedrock monitoring wells fell within the 6 to 14 range (limited evidence for biodegradation).
- There were no monitoring wells that fell within the 15 to 20 range (adequate evidence for biodegradation).

For comparison, the data from the November 2018 monitoring event produced the following results:

- Scores for nine (9) of the shallow-depth (water table) monitoring wells, five (5) of the mid-depth monitoring wells, and one of the bedrock monitoring wells fell within the 0 to 5 range (inadequate evidence for biodegradation).
- Scores for two (2) of the shallow-depth (water table) monitoring wells, four (4) of the mid-depth monitoring wells, and six (6) of the bedrock monitoring wells fell within the 6 to 14 range (limited evidence for biodegradation).



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- The score for bedrock monitoring well MW-2D (score = 15) fell within the 15 to 20 range (adequate evidence for biodegradation).

The scores produced from the recent (November 2017, November 2018, and November 2021) monitoring event MNA parameters data suggest Site conditions are not optimal for natural biodegradation of TCE.

4.3 Residential Wells Sample Results

Groundwater sample results for the residential wells are presented on Table 4. TCE and VC are the primary contaminants of concern for the residential wells, as both have been detected above their respective Chapter NR 140 PALs in several of the residential well samples from previous monitoring events. The TCE, VC, and 1,4-Dioxane results for the residential wells are summarized below:

Compound	Trichloroethene (TCE) (µg/L)								
	Year	2012	2013	2014	2015	2016	2017	2018	2021
PW-03		<u>0.61</u>	<u>0.71</u>	<u>0.62</u>	<u>0.69</u>	<u>0.62</u>	<u>0.64</u>	0.38	<u>0.51</u>
PW-04		NS	NS	NS	0.086 J	0.089 J	0.097 J	NS	NS
PW-05		0.14	0.16	NS	NS	NS	NS	0.12 J	0.097
PW-07		0.026	<0.020	<0.020	0.031 J	<0.050	<0.050	<0.050	0.039 J
PW-08		0.074	<0.020	0.083	0.069 J	0.11 J	0.10 J	0.089 J	0.074
PW-09		0.063	<0.020	0.06 J	0.068 J	0.066 J	0.082 J	0.071 J	0.037
PW-10		<0.020	<0.020	<0.020	<0.030	<0.050	<0.050	<0.050	<0.022
PW-11		<0.020	<0.020	<0.020	<0.030	<0.050	<0.050	<0.050	NS

Compound	Vinyl Chloride (VC) (µg/L)								
	Year	2012	2013	2014	2015	2016	2017	2018	2021
PW-03		<0.019	<u>0.033</u>	<0.019	<0.016	<0.019	<0.019	<0.019	<0.019
PW-04		NS	NS	NS	<0.016	<0.019	<0.019	NS	NS
PW-05		<0.019	<0.019	NS	NS	NS	NS	<0.019	<0.019
PW-07		0.063	<u>0.064</u>	<u>0.05 J</u>	<u>0.053</u>	<u>0.041 J</u>	<u>0.036 J</u>	<u>0.038 J</u>	<u>0.038 J</u>
PW-08		<0.019	<u>0.04</u>	<u>0.045 J</u>	<u>0.043 J</u>	<0.019	<u>0.036 J</u>	<u>0.039 J</u>	<u>0.041</u>
PW-09		0.057	<u>0.057</u>	<u>0.056 J</u>	<u>0.055</u>	<0.019	<u>0.037 J</u>	<u>0.035 J</u>	<u>0.037</u>
PW-10		<0.019	<0.019	<0.019	<u>0.021 J</u>	<0.019	<0.019	<0.019	<0.019
PW-11		<0.019	<u>0.029</u>	<u>0.039 J</u>	<u>0.04 J</u>	<0.019	<0.019	<u>0.022 J</u>	NS



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Compound	1,4-Dioxane ($\mu\text{g/L}$)							
	2012	2013	2014	2015	2016	2017	2018	2021
PW-03	NS	NS	NS	NS	<7.0	<0.40	<0.40	<0.40
PW-04	NS	NS	NS	NS	<7.0	<0.40	NS	NS
PW-05	NS	NS	NS	NS	NS	NS	<0.4	<0.40
PW-07	NS	NS	NS	NS	<7.0	<0.40	<0.40	<u>0.46 J</u>
PW-08	NS	NS	NS	NS	<7.0	<0.40	<0.40	<u>0.44 J</u>
PW-09	NS	NS	NS	NS	<7.0	<0.40	<0.40	<0.40
PW-10	NS	NS	NS	NS	<7.0	<0.40	<0.40	<u>0.40 J</u>
PW-11	NS	NS	NS	NS	<7.0	<0.40	<0.40	NS

Notes:

The in-situ treatment of soil in source Area A with Daramend™ took place in June 2013, between the 2012 and 2013 sampling events.

NS = Not Sampled

J flag = Reported concentration was between the limit of detection (LOD) and limit of quantitation (LOQ).

Underlined values exceed the Chapter NR 140 Preventive Action Limit (PAL) for trichloroethene (TCE), vinyl chloride (VC), and 1,4-Dioxane, which are 0.50 $\mu\text{g/L}$, 0.020 $\mu\text{g/L}$, and 0.30 $\mu\text{g/L}$, respectively.

The reported TCE concentration in the groundwater sample collected from the residential well located on the 2601 Oak Street property (Well ID: PW-03) during the November 2021 monitoring event exceeded the Chapter NR 140 PAL of 0.50 $\mu\text{g/L}$. TCE was detected in five (5) of the six (6) residential wells that were sampled in 2021, with four (4) of the reported TCE concentrations being below the Chapter NR 140 PAL. TCE was not detected in any of the residential wells sampled in excess of the Chapter NR 140 ES of 5 $\mu\text{g/L}$.

VC was detected in three (3) of the six (6) residential wells sampled in November 2021. The reported VC concentrations in all three (3) of these residential wells exceeded the Chapter NR 140 PAL of 0.02 $\mu\text{g/L}$; however, they are below the Chapter NR 140 ES of 0.20 $\mu\text{g/L}$.

1,4-Dioxane was also detected in three (3) of the six (6) residential wells sampled in November 2021. The reported 1,4-dioxane concentrations in all three (3) of these residential wells exceeded the Chapter NR 140 PAL of 0.30 $\mu\text{g/L}$; however, they are below the Chapter NR 140 ES of 3.0 $\mu\text{g/L}$. As noted above, all the 1,4-dioxane detections from the November 2021 monitoring event are J-flagged results, which indicates the 1,4-dioxane concentration in the samples were lower than the LOQ of 1.4 $\mu\text{g/L}$ and; therefore, the listed concentration is an estimated value. The November 2021 detections of 1,4-dioxane are the first since sampling for 1,4-dioxane began in 2016.

Other than cis-1,2-DCE, reported at 7.0 $\mu\text{g/L}$ (Chapter NR 140 PAL = 7.0 $\mu\text{g/L}$) in PW-09 in November 2021, none of the other compounds detected in the residential well samples exceeded their respective Chapter NR 140 groundwater quality standards. The 2012



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through 2021 TCE and VC results suggests impacts are generally stable or declining in the bedrock residential wells.

The residential wells sampling results were reported to the property owners, and to the occupants of the house, if the property owners did not reside on the property, using WDNR Site Investigation Sampling Results Notification Form 4400-249. A copy of the analytical report for the groundwater sample collected from the residential well, a table summarizing the analytical results and a figure showing the location of the residential well on the property were included with the Site Investigation Sampling Results Notification Form. Copies of the notifications were also submitted to the WDNR Project Manager for the OECI Site, Ms. Gwen Saliars, via email on February 28, 2022. Copies of the notifications are provided in Appendix F.



5.0 CONCLUSIONS

The depth to groundwater measurements collected from the OECI Site monitoring wells during the November 2021 groundwater monitoring event indicate groundwater flow is predominantly to the southwest, toward Davy Creek, in the unconsolidated deposits and to the west-southwest in the bedrock. The flow directions observed during the November 2021 monitoring event are consistent with the flow directions observed during several previous monitoring events. Based on the vertical gradients calculated from the nested OECI Site monitoring wells water-level data, vertical gradients are predominantly upward in the wetland area located south of Elm Street, and predominantly downward north of Elm Street. The vertical gradient data from the monitoring well nests south of Elm Street suggest groundwater discharges to the wetland and Davy Creek.

The VOC analytical data indicate the center of mass of the TCE plume at the water table is south of Elm Street, with the highest TCE impacts occurring at shallow-depth (water table) monitoring well MW-105S (70 µg/L). The TCE plume extends further west in the zone monitored by the mid-depth monitoring wells, compared to the zone monitored by the water table monitoring wells, with the highest TCE concentration in any Site monitoring well occurring at mid-depth monitoring well MW-103D (120 µg/L), located near the southeast corner of the former OECI facility. The analytical data from the bedrock monitoring wells and residential wells indicate that TCE impacts are of very limited extent in the bedrock and, where present, they do not exceed the Chapter NR 140 ES of 5.0 µg/L. The monitoring wells time series charts produced from the January 2009 through November 2021 monitoring events' analytical results indicate that TCE concentrations are non-detect or decreasing in 26 of the 28 monitoring wells that are part of the OECI Site groundwater monitoring program, which suggests the OECI Site plume is stable to decreasing.

The groundwater sample collected from water table monitoring well MW-16S, during the November 2021 monitoring event, had the highest VC impacts of 33 µg/L, which places the center of mass of the VC plume south of Elm Street (similar to previous monitoring results). VC impacts exceeding the Chapter NR 140 ES of 0.20 µg/L are most extensive in the zone monitored by the mid-depth monitoring wells. The analytical results from the bedrock monitoring wells and residential wells indicate VC impacts in the bedrock, where present, do not exceed the Chapter NR 140 ES and are less extensive compared to the extent of VC impacts in the unconsolidated deposits.

Shallow-depth (water table) monitoring well MW-105S, which is located south of Elm Street in the wetland area near Davy Creek, likely has the highest 1,4-dioxane concentration in shallow groundwater; however, due to elevated concentrations of CVOCs in MW-105S, 1,4-dioxane had a LOD of 140 µg/L in November 2021. Similar to TCE, the occurrence of the highest shallow-depth 1,4-dioxane impacts is in the wetland area. Unlike the mid-depth TCE plume, the mid-depth 1,4-dioxane plume is much smaller than the shallow-depth (water table) 1,4-dioxane plume, with the mid-depth 1,4-dioxane plume



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generally located south of Elm Street, in the wetland area near Davy Creek. 1,4-Dioxane was only detected in bedrock monitoring wells MW-101B (11 $\mu\text{g/L}$) and MW-3D (33 $\mu\text{g/L}$). Both of these reported concentrations are above the Chapter NR 140 ES of 3.0 $\mu\text{g/L}$. The extent of 1,4-dioxane in the bedrock monitoring wells is very similar to the extent of TCE in the bedrock monitoring wells. MW-101B is located west of the OECI Site, on the west side of the Eva Street right-of-way, and MW-3D is located on the west side of the former OECI facility.

The presence of VC and cis-1,2-DCE in many of the monitoring well samples indicate reductive dechlorination of TCE is occurring within the OECI Site contaminant plume. However, the MNA parameters data suggest that Site conditions are not optimal for natural biodegradation of TCE.

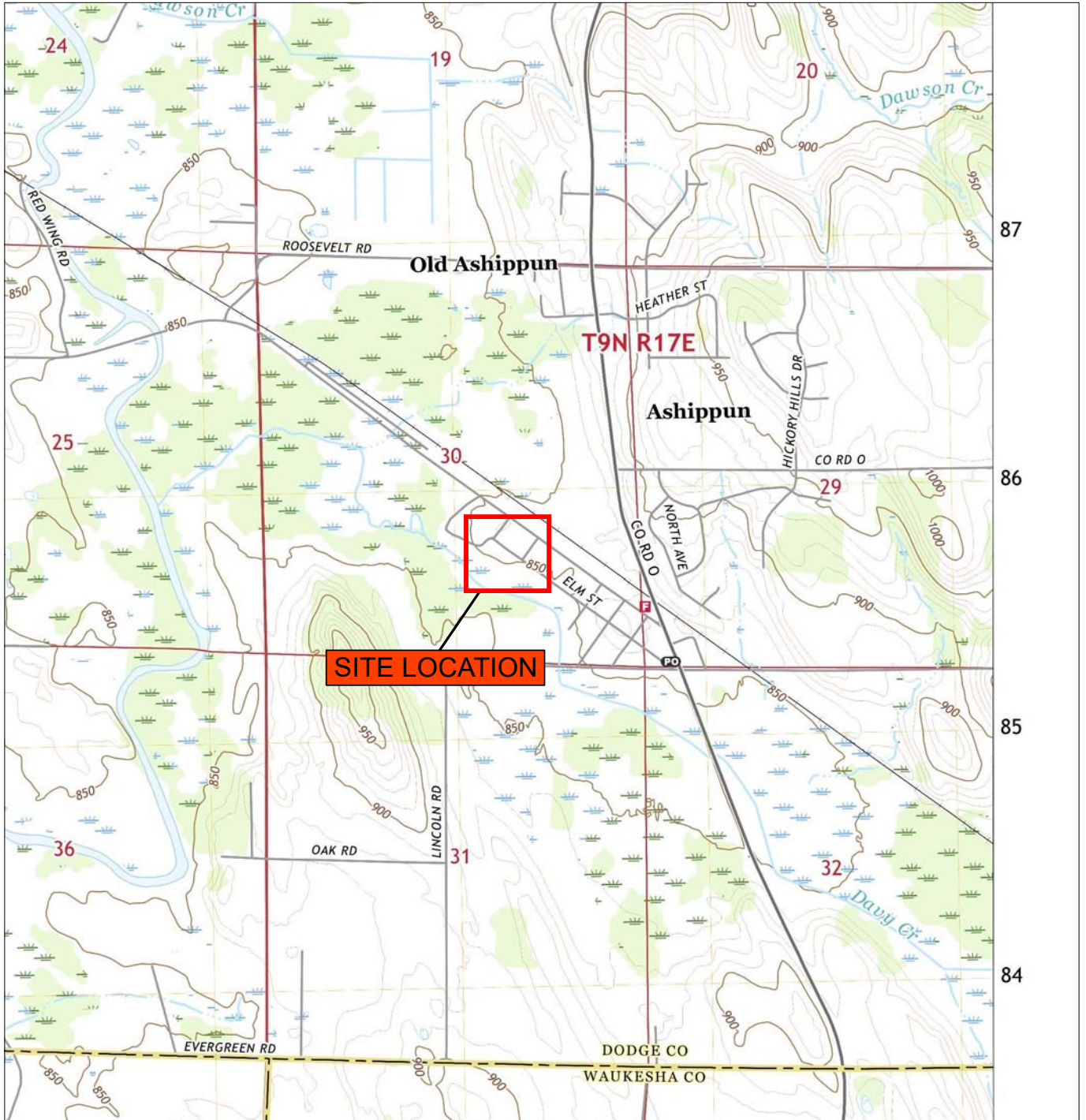


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FIGURES



Base map from U.S.G.S. 7.5' IXONIA, 2022, WISCONSIN topographic quadrangle map.

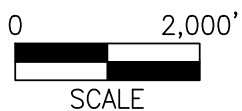
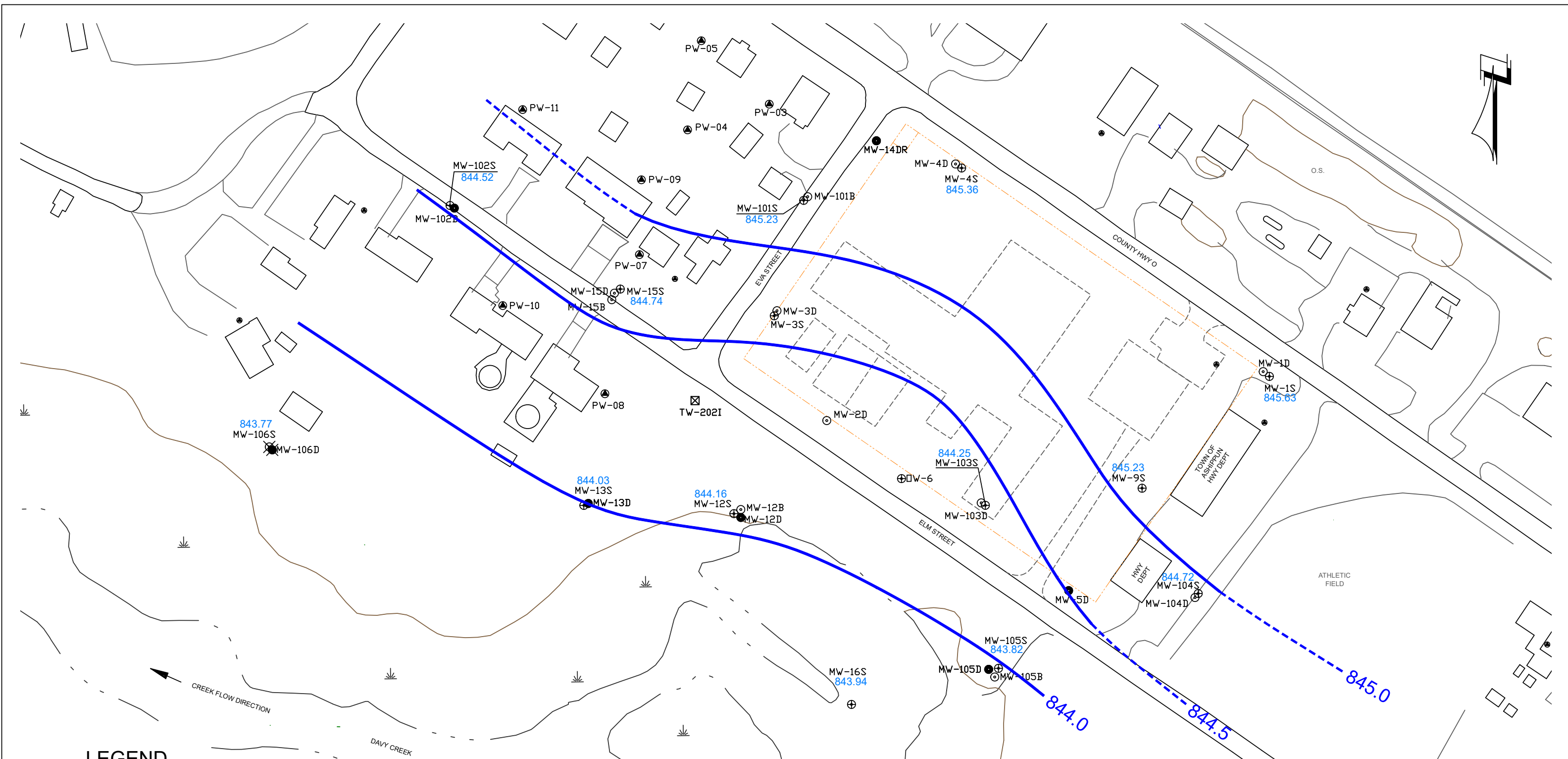


Figure 1
SITE LOCATION MAP
Oconomowoc Electroplating Company, Inc.
Ashippun, WI



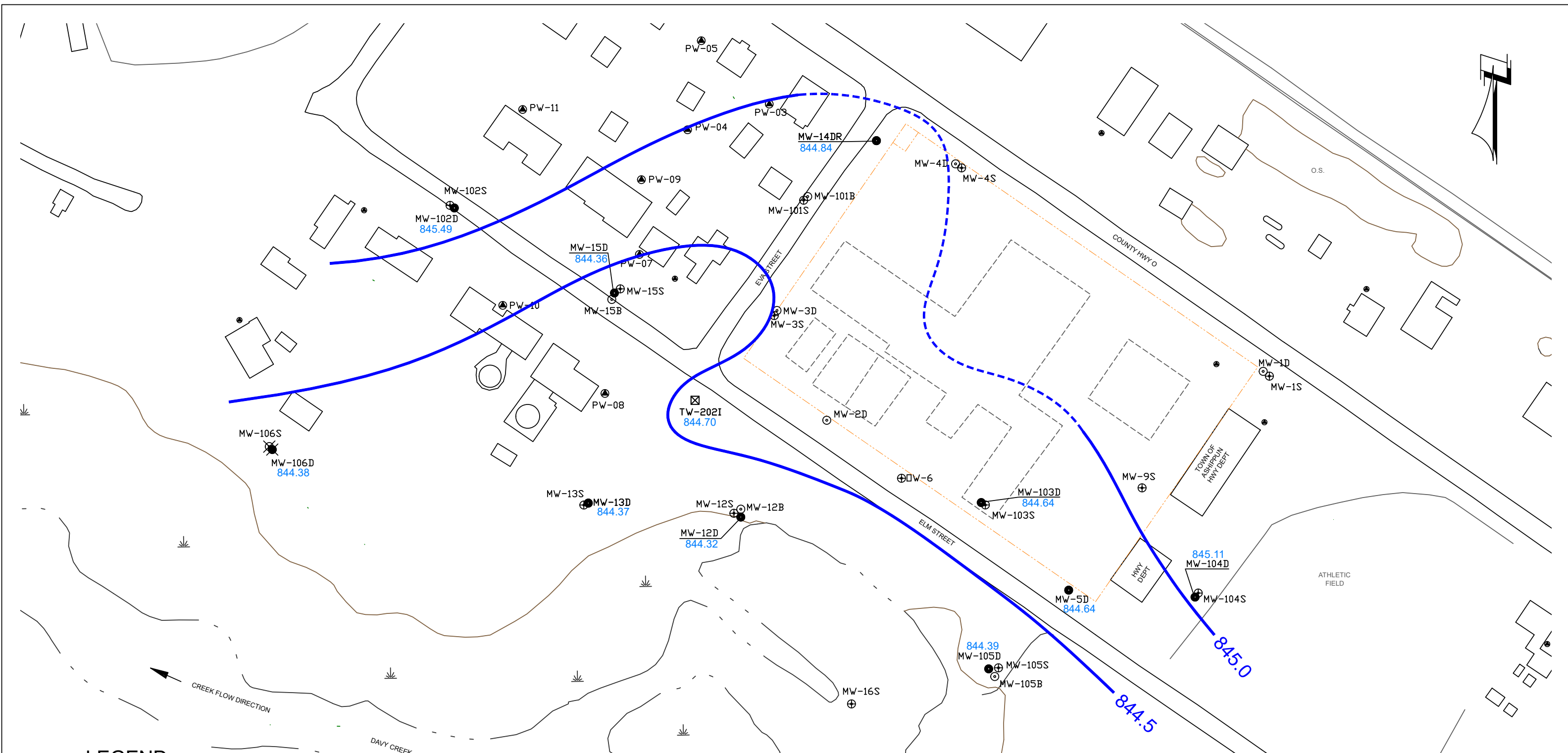
LEGEND

- ⊙ MW-105B BEDROCK MONITORING WELL
- MW-105D DEEP UNCONSOLIDATED MONITORING WELL
- ⊕ MW-105S SHALLOW UNCONSOLIDATED MONITORING WELL
- PW-11 RESIDENTIAL WELL
- ⊗ MW-106D DEEP UNCONSOLIDATED SENTINEL WELL
- ⊗ MW-106S SHALLOW UNCONSOLIDATED SENTINEL WELL
- ⊠ TW-2021 TEMPORARY WELL
- FORMER OECI SITE BOUNDARY

- 845.63 NOVEMBER 2021 GROUNDWATER ELEVATION (FEET MSL)
- 844.5 --- NOVEMBER 2021 GROUNDWATER CONTOUR (FEET MSL)
DASHED WHERE INFERRED
- CONTOUR INTERVAL: 0.5 FEET
- DATUM: FEET ABOVE MEAN SEA LEVEL (MSL)



Note: Basemap provided by Tetra Tech
Figure 2
NOVEMBER 2021 WATER TABLE CONTOUR MAP
 Oconomowoc Electroplating Company, Inc.
 Ashippun, WI

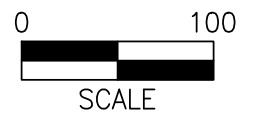


LEGEND

- ⊙ MW-105B BEDROCK MONITORING WELL
- MW-105D DEEP UNCONSOLIDATED MONITORING WELL
- ⊕ MW-105S SHALLOW UNCONSOLIDATED MONITORING WELL
- PW-11 RESIDENTIAL WELL
- ⊙ MW-106D DEEP UNCONSOLIDATED SENTINEL WELL
- ⊙ MW-106S SHALLOW UNCONSOLIDATED SENTINEL WELL
- ⊙ TW-2021 TEMPORARY WELL
- FORMER OECI SITE BOUNDARY

844.64
 — 844.5 — — —

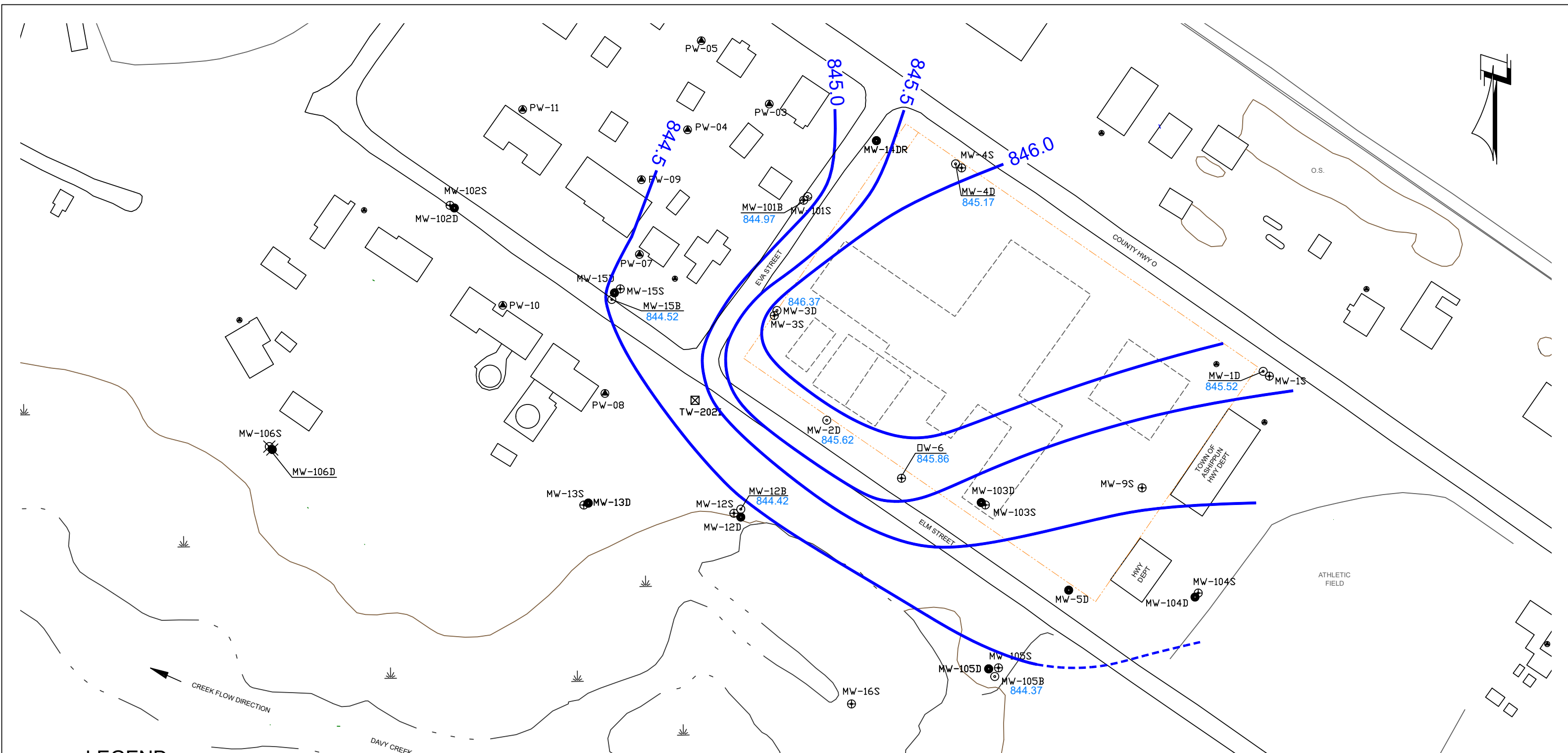
NOVEMBER 2021 GROUNDWATER ELEVATION (FEET MSL)
 NOVEMBER 2021 GROUNDWATER CONTOUR (FEET MSL)
 DASHED WHERE INFERRED
 CONTOUR INTERVAL: 0.5 FEET
 DATUM: FEET ABOVE MEAN SEA LEVEL (MSL)



Note: Basemap provided by Tetra Tech



Figure 3
NOVEMBER 2021 MID-DEPTH MONITORING WELLS
POTENTIOMETRIC SURFACE CONTOUR MAP
 Oconomowoc Electroplating Company, Inc.
 Ashippun, WI



LEGEND

- ⊙ MW-105B BEDROCK MONITORING WELL
- MW-105D DEEP UNCONSOLIDATED MONITORING WELL
- ⊕ MW-105S SHALLOW UNCONSOLIDATED MONITORING WELL
- PW-11 RESIDENTIAL WELL
- MW-106D DEEP UNCONSOLIDATED SENTINEL WELL
- ⊗ MW-106S SHALLOW UNCONSOLIDATED SENTINEL WELL
- ⊠ TW-2021 TEMPORARY WELL
- FORMER OECI SITE BOUNDARY

845.52 NOVEMBER 2021 GROUNDWATER ELEVATION (FEET MSL)

844.5 --- NOVEMBER 2021 GROUNDWATER CONTOUR (FEET MSL)
DASHED WHERE INFERRED

CONTOUR INTERVAL: 0.5 FEET

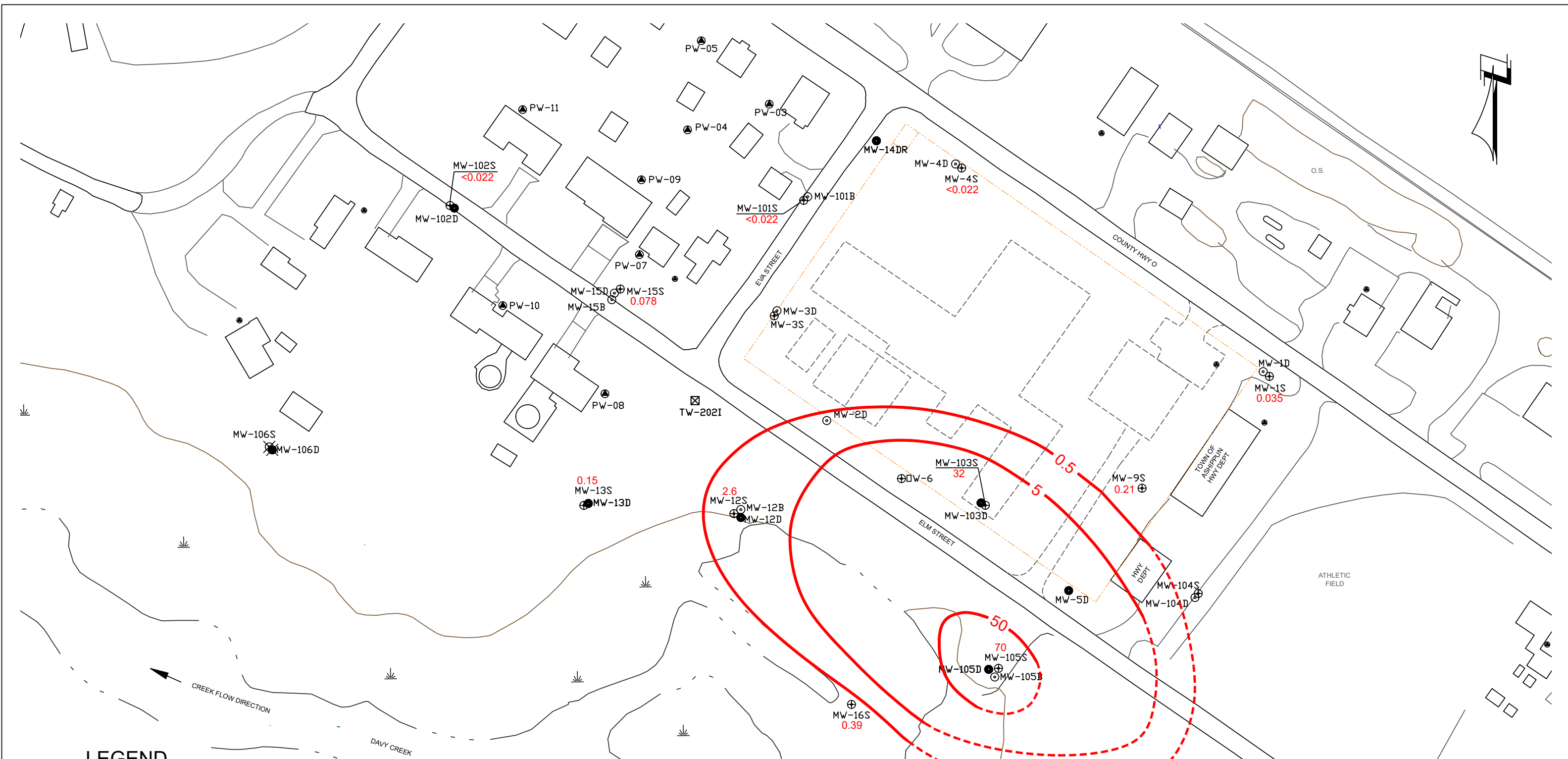
DATUM: FEET ABOVE MEAN SEA LEVEL (MSL)



Note: Basemap provided by Tetra Tech



Figure 4
NOVEMBER 2021 BEDROCK MONITORING WELLS
POTENTIOMETRIC SURFACE CONTOUR MAP
 Oconomowoc Electroplating Company, Inc.
 Ashippun, WI

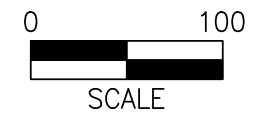


LEGEND

- ⊙ MW-105B BEDROCK MONITORING WELL
- MW-105D DEEP UNCONSOLIDATED MONITORING WELL
- ⊕ MW-105S SHALLOW UNCONSOLIDATED MONITORING WELL
- PW-11 RESIDENTIAL WELL
- MW-106D DEEP UNCONSOLIDATED SENTINEL WELL
- ⊗ MW-106S SHALLOW UNCONSOLIDATED SENTINEL WELL
- ⊠ TW-2021 TEMPORARY WELL
- FORMER OECI SITE BOUNDARY

32 TCE CONCENTRATION (ug/L)

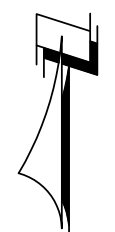
50 TCE ISOCONCENTRATION CONTOUR (ug/L)
DASHED WHERE INFERRED



Note: Basemap provided by Tetra Tech



Figure 5
NOVEMBER 2021 SAMPLING EVENT SHALLOW-DEPTH MONITORING WELLS TCE ISOCONCENTRATION MAP
 Oconomowoc Electroplating Company, Inc.
 Ashippun, WI



LEGEND

- ⊙ MW-105B BEDROCK MONITORING WELL
- MW-105D DEEP UNCONSOLIDATED MONITORING WELL
- ⊕ MW-105S SHALLOW UNCONSOLIDATED MONITORING WELL
- PW-11 RESIDENTIAL WELL
- MW-106D DEEP UNCONSOLIDATED SENTINEL WELL
- ⊗ MW-106S SHALLOW UNCONSOLIDATED SENTINEL WELL
- ⊠ TW-2021 TEMPORARY WELL
- FORMER OECl SITE BOUNDARY

73 TCE CONCENTRATION (ug/L)

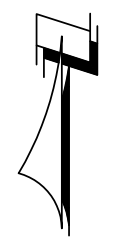
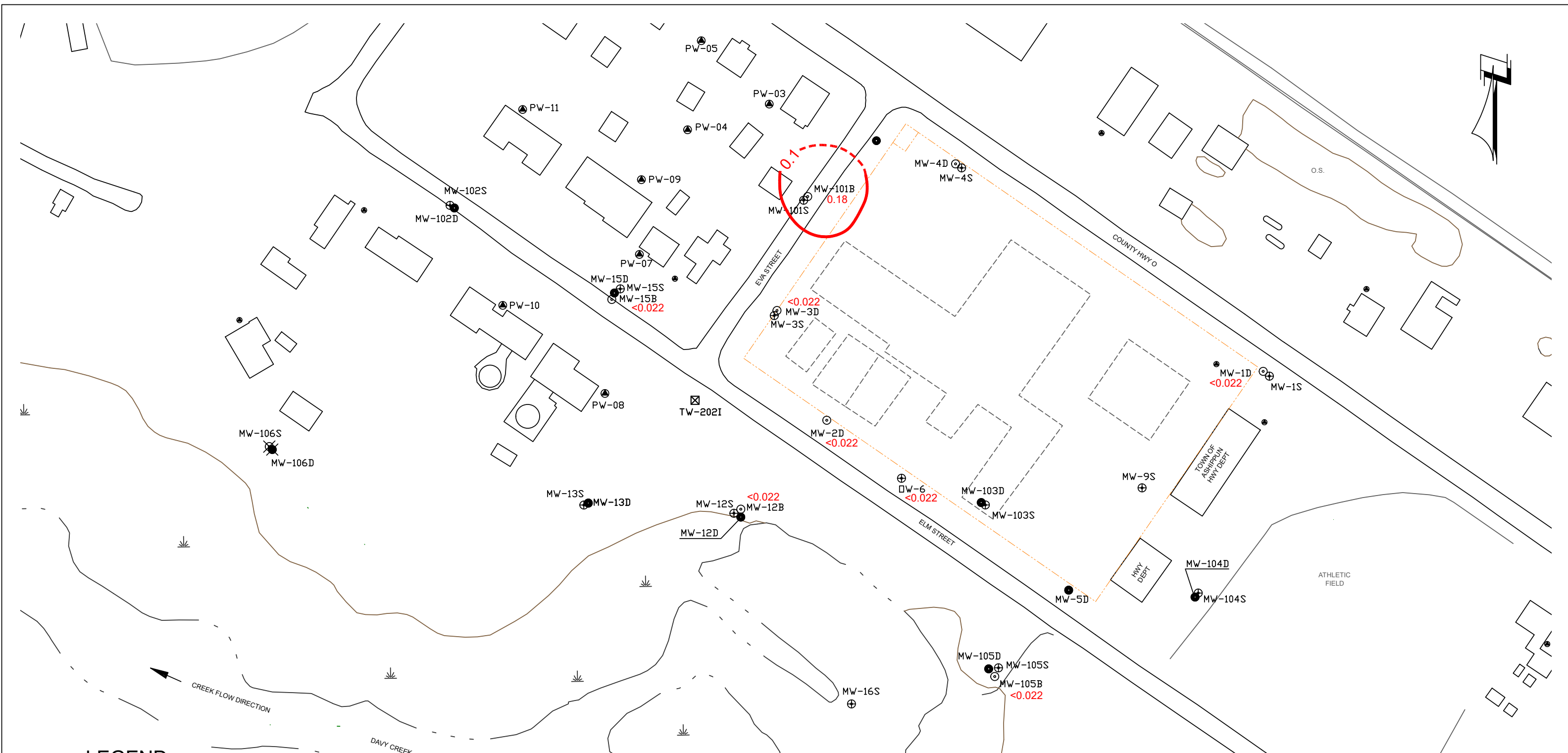
50 TCE ISOCONCENTRATION CONTOUR (ug/L)
DASHED WHERE INFERRED



Note: Basemap provided by Tetra Tech



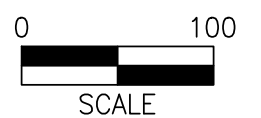
Figure 6
NOVEMBER 2021 SAMPLING EVENT MID-DEPTH MONITORING WELLS TCE ISOCONCENTRATION MAP
 Oconomowoc Electroplating Company, Inc.
 Ashippun, WI



LEGEND

- ⊙ MW-105B BEDROCK MONITORING WELL
- MW-105D DEEP UNCONSOLIDATED MONITORING WELL
- ⊕ MW-105S SHALLOW UNCONSOLIDATED MONITORING WELL
- PW-11 RESIDENTIAL WELL
- ⊗ MW-106D DEEP UNCONSOLIDATED SENTINEL WELL
- ⊗ MW-106S SHALLOW UNCONSOLIDATED SENTINEL WELL
- ⊠ TW-2021 TEMPORARY WELL
- FORMER OECI SITE BOUNDARY

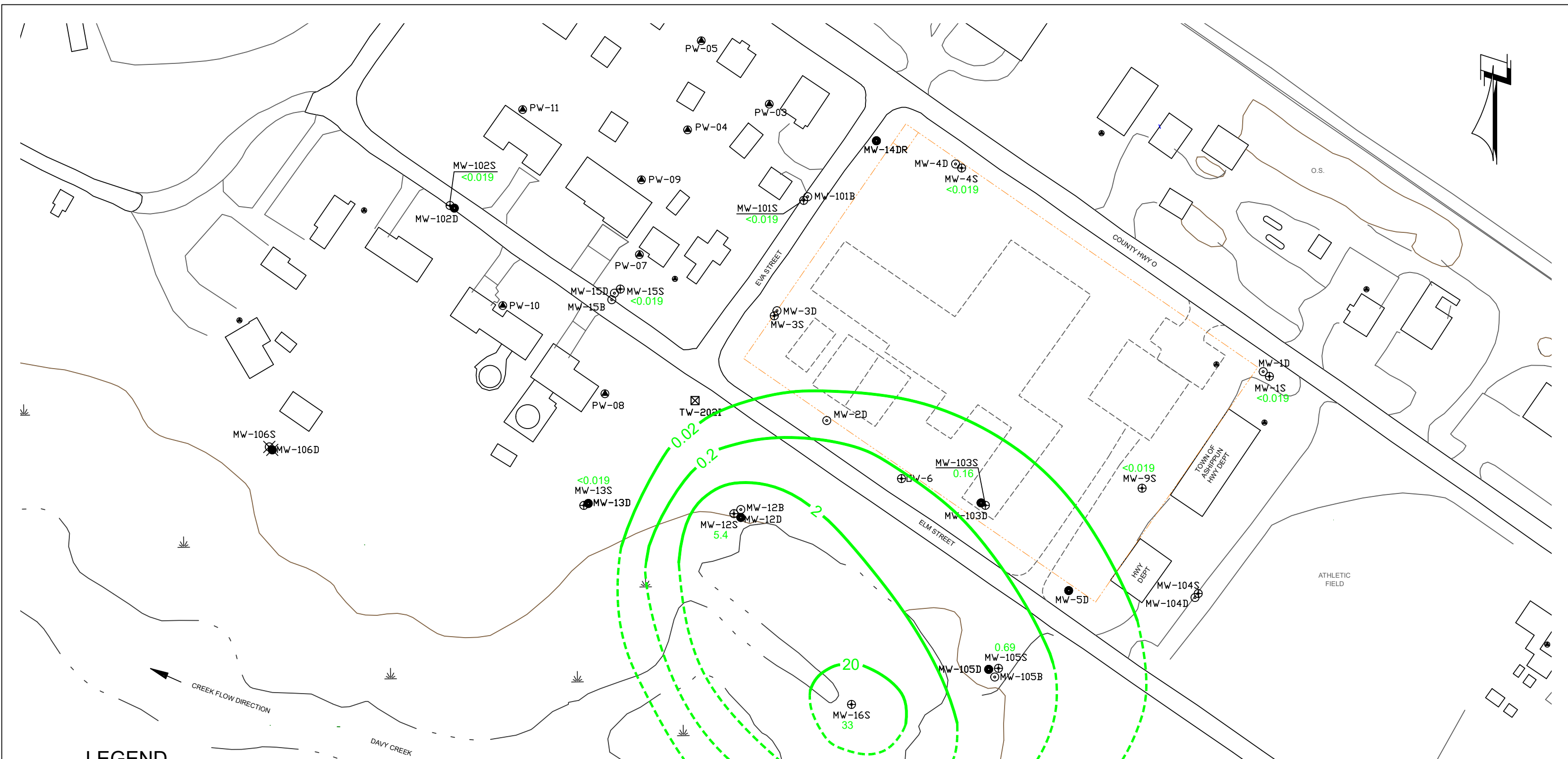
0.18 TCE CONCENTRATION (ug/L)
 ---0.1--- TCE ISOCONCENTRATION CONTOUR (ug/L)
 DASHED WHERE INFERRED



Note: Basemap provided by Tetra Tech



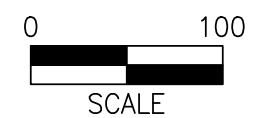
Figure 7
NOVEMBER 2021 SAMPLING EVENT BEDROCK MONITORING WELLS TCE ISOCONCENTRATION MAP
 Oconomowoc Electroplating Company, Inc.
 Ashippun, WI



LEGEND

- ⊙ MW-105B BEDROCK MONITORING WELL
- MW-105D DEEP UNCONSOLIDATED MONITORING WELL
- ⊕ MW-105S SHALLOW UNCONSOLIDATED MONITORING WELL
- PW-11 RESIDENTIAL WELL
- MW-106D DEEP UNCONSOLIDATED SENTINEL WELL
- ⊗ MW-106S SHALLOW UNCONSOLIDATED SENTINEL WELL
- ⊠ TW-2021 TEMPORARY WELL
- FORMER OECI SITE BOUNDARY

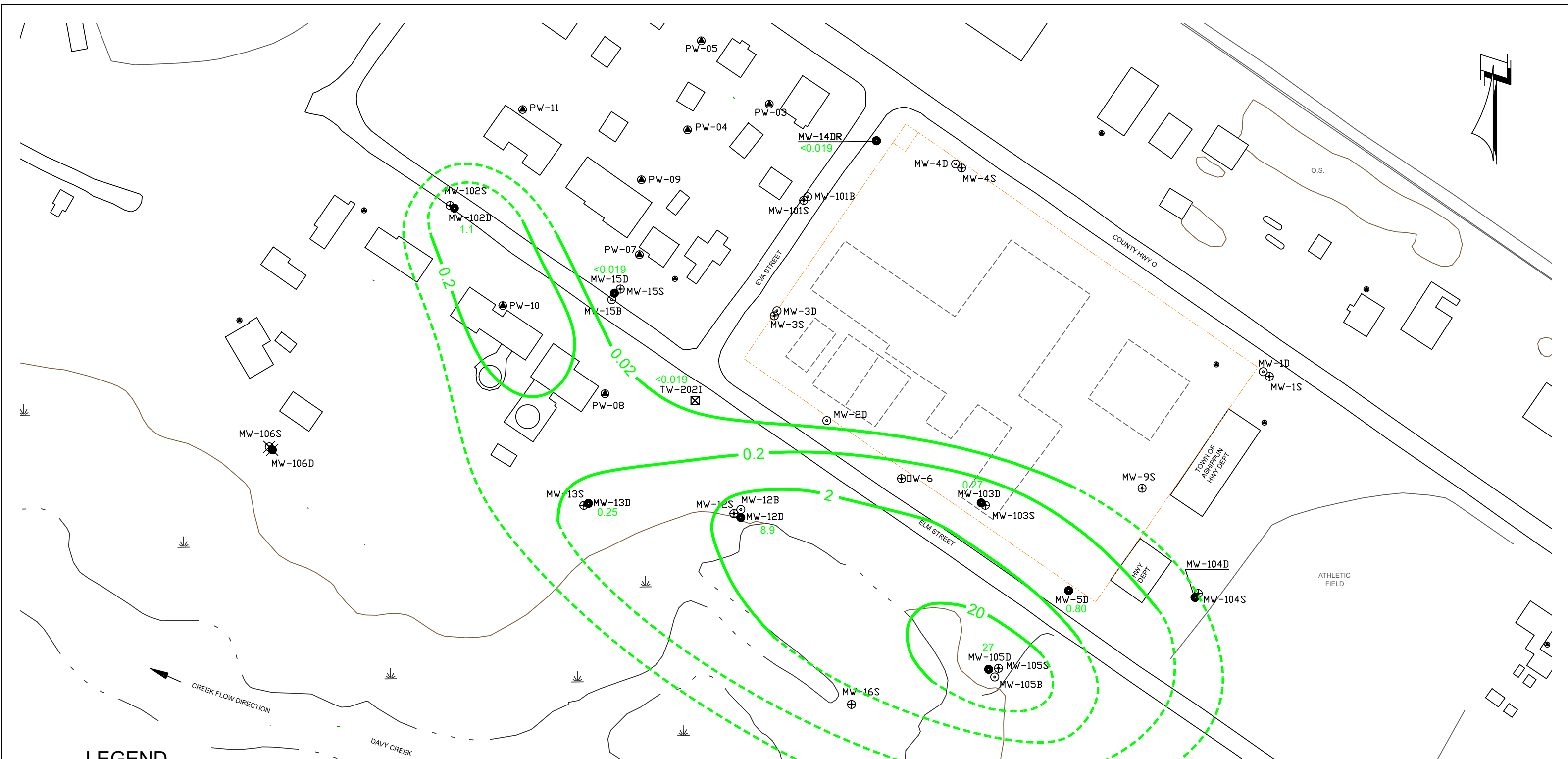
- 5.4 VINYL CHLORIDE CONCENTRATION (ug/L)
- 2 --- VINYL CHLORIDE ISOCONCENTRATION CONTOUR (ug/L)
DASHED WHERE INFERRED



Note: Basemap provided by Tetra Tech



Figure 8
 NOVEMBER 2021 SAMPLING EVENT SHALLOW-DEPTH
 MONITORING WELLS VINYL CHLORIDE ISOCONCENTRATION MAP
 Oconomowoc Electroplating Company, Inc.
 Ashippun, WI



LEGEND

- ⊙ MW-105B BEDROCK MONITORING WELL
- MW-105D DEEP UNCONSOLIDATED MONITORING WELL
- ⊕ MW-105S SHALLOW UNCONSOLIDATED MONITORING WELL
- PW-11 RESIDENTIAL WELL
- ⊗ MW-106D DEEP UNCONSOLIDATED SENTINEL WELL
- ⊗ MW-106S SHALLOW UNCONSOLIDATED SENTINEL WELL
- ⊗ TW-2021 TEMPORARY WELL
- FORMER OECI SITE BOUNDARY

1.1
 2

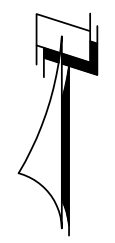
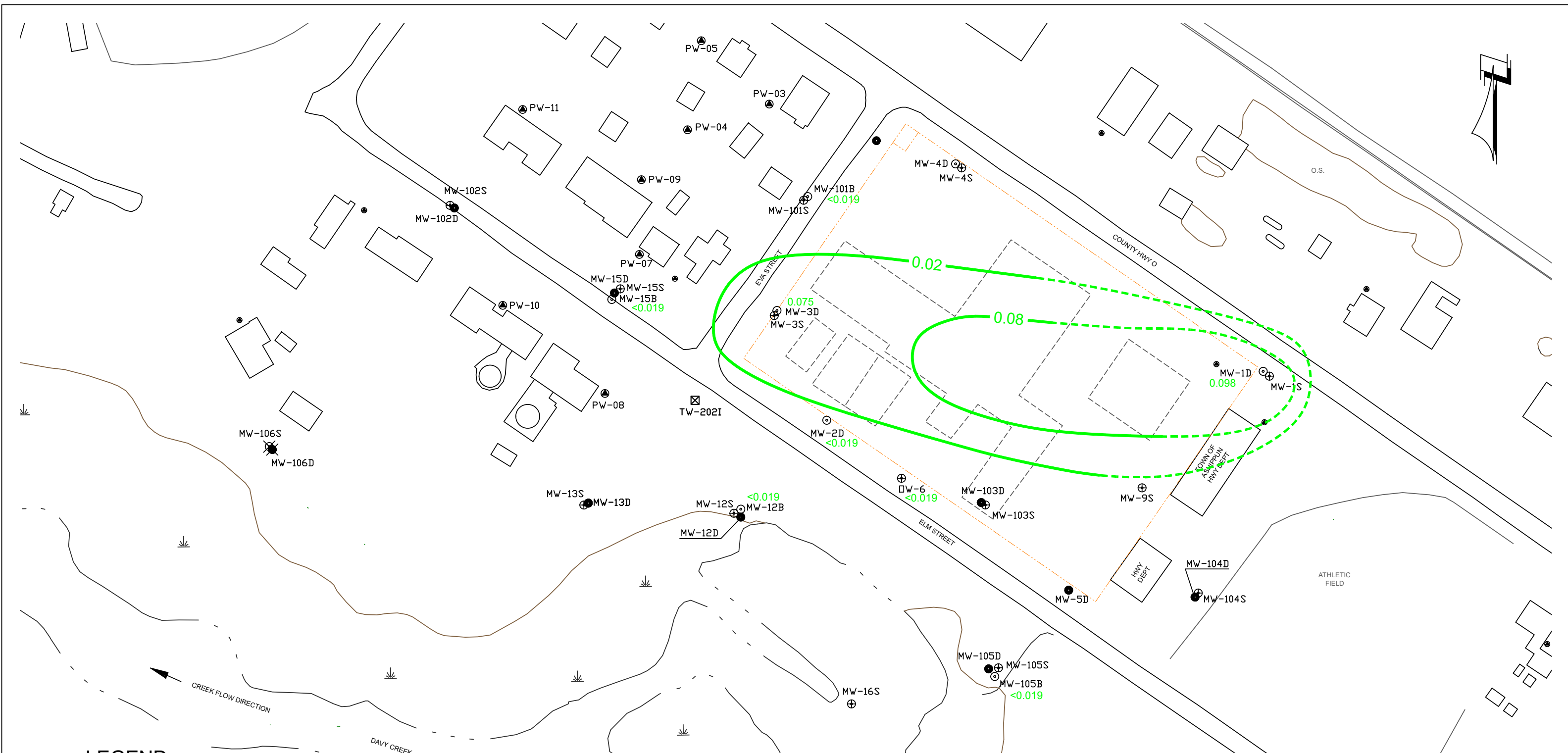
 VINYL CHLORIDE CONCENTRATION (ug/L)
 VINYL CHLORIDE ISOCONCENTRATION CONTOUR (ug/L)
 DASHED WHERE INFERRED



Note: Basemap provided by Tetra Tech



Figure 9
 NOVEMBER 2021 SAMPLING EVENT MID-DEPTH
 MONITORING WELLS VINYL CHLORIDE ISOCONCENTRATION MAP
 Oconomowoc Electroplating Company, Inc.
 Ashippun, WI



LEGEND

- ⊙ MW-105B BEDROCK MONITORING WELL
- MW-105D DEEP UNCONSOLIDATED MONITORING WELL
- ⊕ MW-105S SHALLOW UNCONSOLIDATED MONITORING WELL
- PW-11 RESIDENTIAL WELL
- ⊗ MW-106D DEEP UNCONSOLIDATED SENTINEL WELL
- ⊗ MW-106S SHALLOW UNCONSOLIDATED SENTINEL WELL
- ⊠ TW-2021 TEMPORARY WELL
- - - - - FORMER OECI SITE BOUNDARY

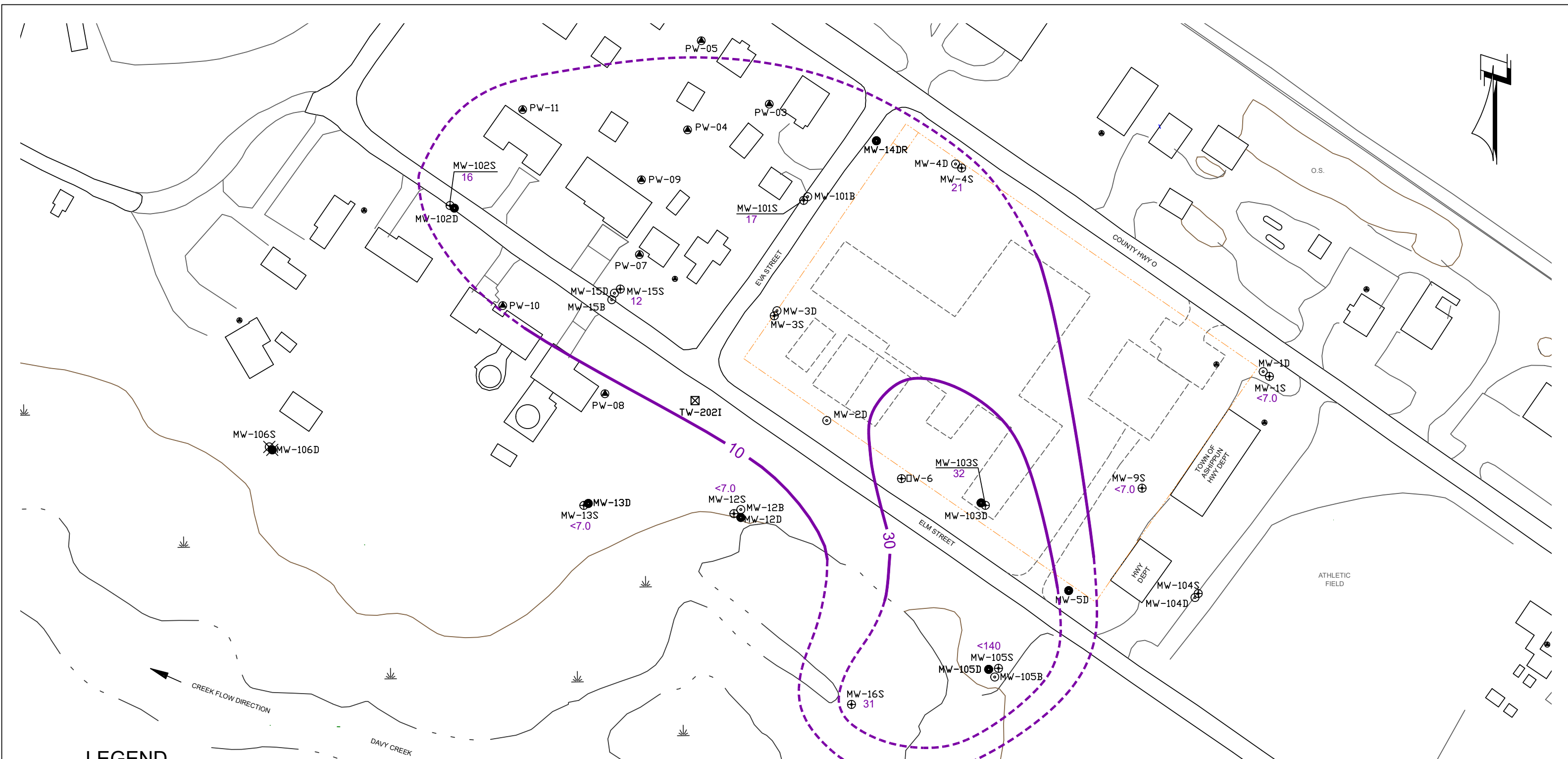
0.098 VINYL CHLORIDE CONCENTRATION (ug/L)
 —0.02— VINYL CHLORIDE ISOCONCENTRATION CONTOUR (ug/L)
 DASHED WHERE INFERRED



Note: Basemap provided by Tetra Tech



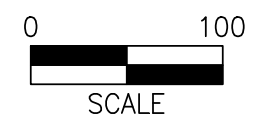
Figure 10
 NOVEMBER 2021 SAMPLING EVENT BEDROCK
 MONITORING WELLS VINYL CHLORIDE ISOCONCENTRATION MAP
 Oconomowoc Electroplating Company, Inc.
 Ashippun, WI



LEGEND

- ⊙ MW-105B BEDROCK MONITORING WELL
- MW-105D DEEP UNCONSOLIDATED MONITORING WELL
- ⊕ MW-105S SHALLOW UNCONSOLIDATED MONITORING WELL
- PW-11 RESIDENTIAL WELL
- MW-106D DEEP UNCONSOLIDATED SENTINEL WELL
- ⊗ MW-106S SHALLOW UNCONSOLIDATED SENTINEL WELL
- ⊠ TW-2021 TEMPORARY WELL
- FORMER OECI SITE BOUNDARY

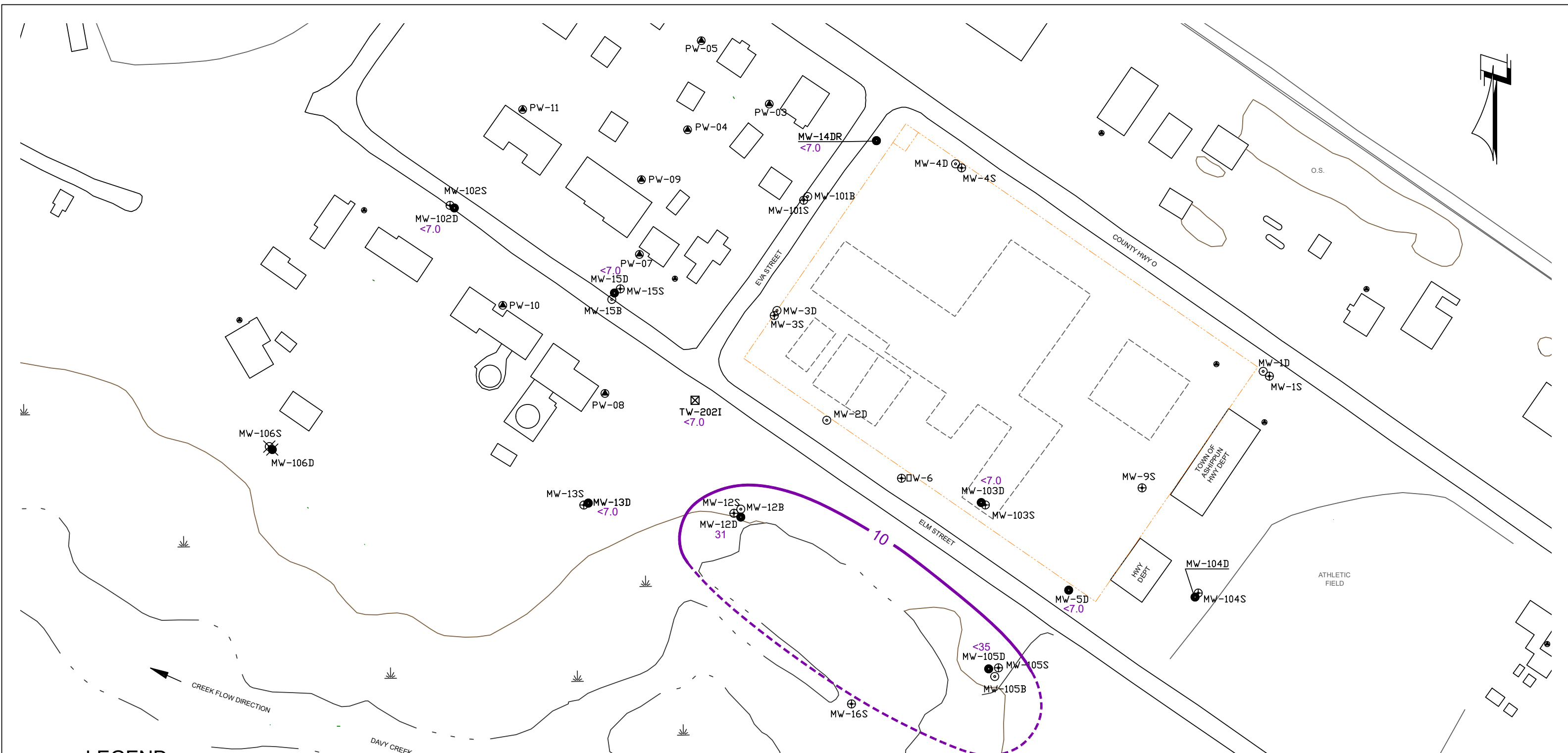
32 1,4-DIOXANE CONCENTRATION (ug/L)
 10 1,4-DIOXANE ISOCONCENTRATION CONTOUR (ug/L)
 --- DASHED WHERE INFERRED



Note: Basemap provided by Tetra Tech



Figure 11
 NOVEMBER 2021 SAMPLING EVENT SHALLOW-DEPTH
 MONITORING WELLS 1,4-DIOXANE ISOCONCENTRATION MAP
 Oconomowoc Electroplating Company, Inc.
 Ashippun, WI



LEGEND

- ⊙ MW-105B BEDROCK MONITORING WELL
- MW-105D DEEP UNCONSOLIDATED MONITORING WELL
- ⊕ MW-105S SHALLOW UNCONSOLIDATED MONITORING WELL
- PW-11 RESIDENTIAL WELL
- ⊙ MW-106D DEEP UNCONSOLIDATED SENTINEL WELL
- ⊙ MW-106S SHALLOW UNCONSOLIDATED SENTINEL WELL
- ⊙ TW-2021 TEMPORARY WELL
- FORMER OECI SITE BOUNDARY

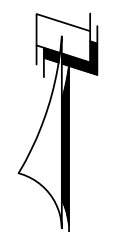
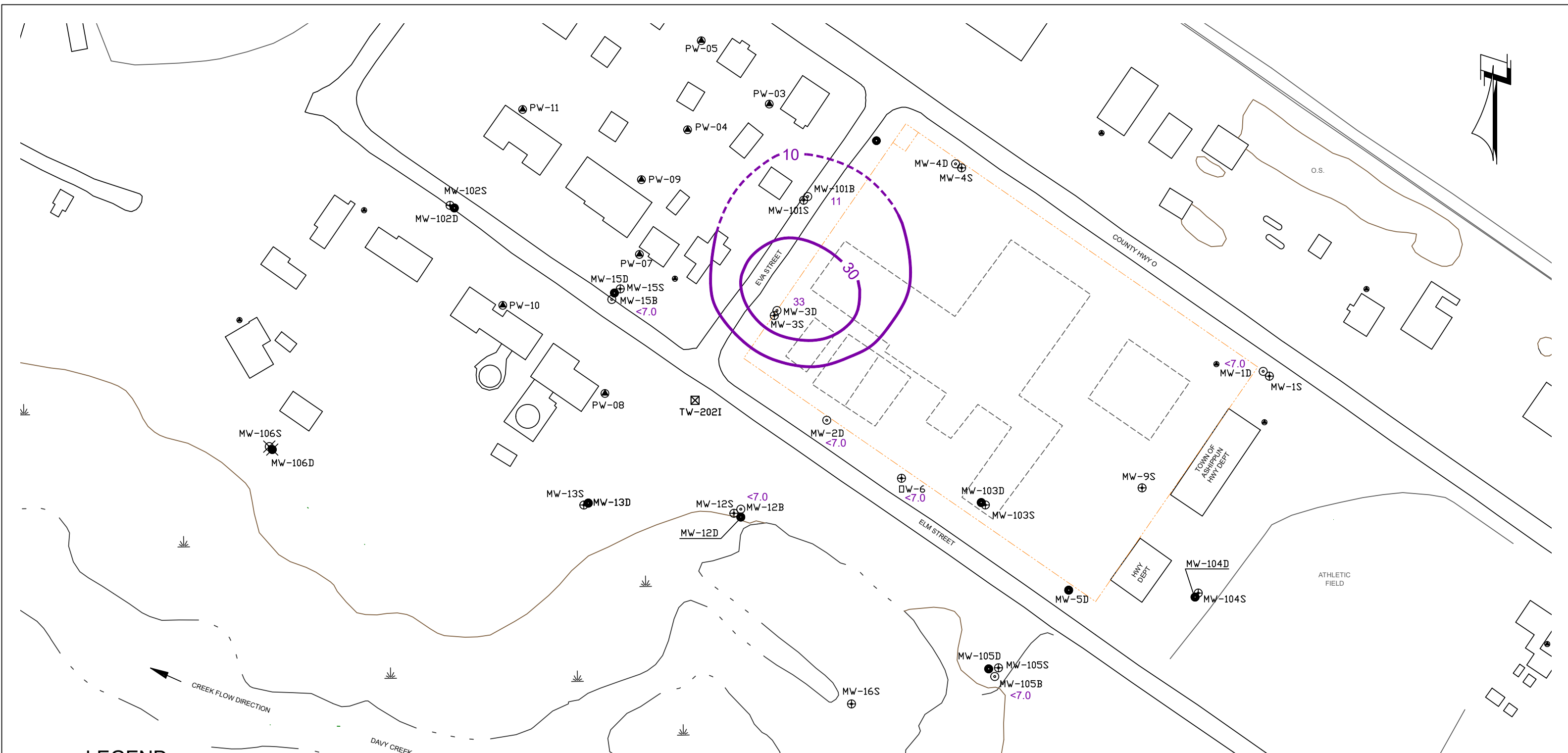
31 1,4-DIOXANE CONCENTRATION (ug/L)
 10 --- 1,4-DIOXANE ISOCONCENTRATION CONTOUR (ug/L)
 DASHED WHERE INFERRED



Note: Basemap provided by Tetra Tech



Figure 12
 NOVEMBER 2021 SAMPLING EVENT MID-DEPTH MONITORING
 WELLS 1,4-DIOXANE ISOCONCENTRATION MAP
 Oconomowoc Electroplating Company, Inc.
 Ashippun, WI



LEGEND

- ⊙ MW-105B BEDROCK MONITORING WELL
- MW-105D DEEP UNCONSOLIDATED MONITORING WELL
- ⊕ MW-105S SHALLOW UNCONSOLIDATED MONITORING WELL
- PW-11 RESIDENTIAL WELL
- ⊗ MW-106D DEEP UNCONSOLIDATED SENTINEL WELL
- ⊗ MW-106S SHALLOW UNCONSOLIDATED SENTINEL WELL
- ⊠ TW-2021 TEMPORARY WELL
- FORMER OECI SITE BOUNDARY

11 1,4-DIOXANE CONCENTRATION (ug/L)

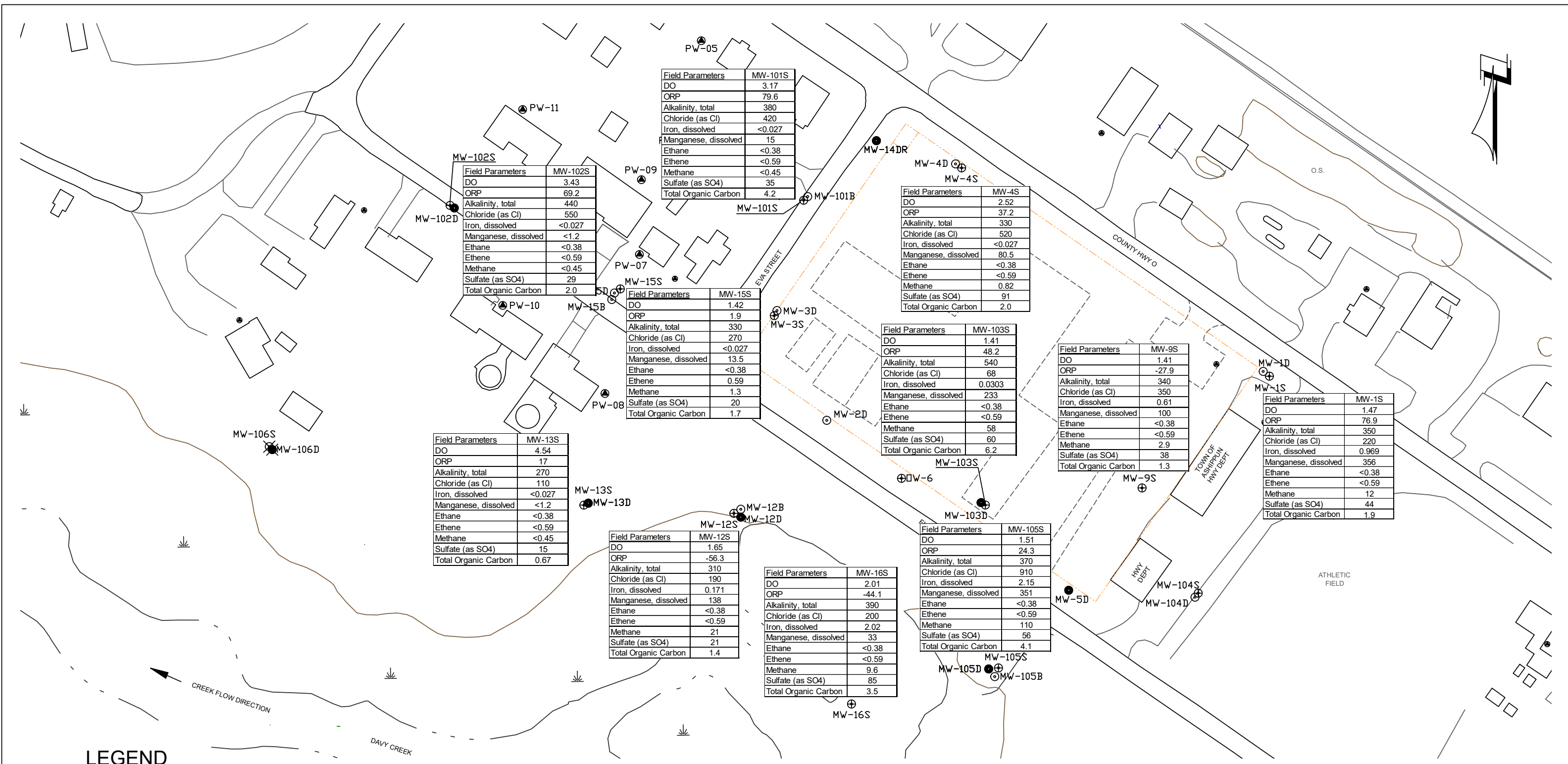
10--- 1,4-DIOXANE ISOCONCENTRATION CONTOUR (ug/L)
DASHED WHERE INFERRED



Note: Basemap provided by Tetra Tech



Figure 13
 NOVEMBER 2021 SAMPLING EVENT BEDROCK MONITORING
 WELLS 1,4-DIOXANE ISOCONCENTRATION MAP
 Oconomowoc Electroplating Company, Inc.
 Ashippun, WI



Field Parameters	MW-102S
DO	3.43
ORP	69.2
Alkalinity, total	440
Chloride (as Cl)	550
Iron, dissolved	<0.027
Manganese, dissolved	<1.2
Ethane	<0.38
Ethene	<0.59
Methane	<0.45
Sulfate (as SO4)	29
Total Organic Carbon	2.0

Field Parameters	MW-101S
DO	3.17
ORP	79.6
Alkalinity, total	380
Chloride (as Cl)	420
Iron, dissolved	<0.027
Manganese, dissolved	15
Ethane	<0.38
Ethene	<0.59
Methane	<0.45
Sulfate (as SO4)	35
Total Organic Carbon	4.2

Field Parameters	MW-4S
DO	2.52
ORP	37.2
Alkalinity, total	330
Chloride (as Cl)	520
Iron, dissolved	<0.027
Manganese, dissolved	80.5
Ethane	<0.38
Ethene	<0.59
Methane	0.82
Sulfate (as SO4)	91
Total Organic Carbon	2.0

Field Parameters	MW-15S
DO	1.42
ORP	1.9
Alkalinity, total	330
Chloride (as Cl)	270
Iron, dissolved	<0.027
Manganese, dissolved	13.5
Ethane	<0.38
Ethene	0.59
Methane	1.3
Sulfate (as SO4)	20
Total Organic Carbon	1.7

Field Parameters	MW-103S
DO	1.41
ORP	48.2
Alkalinity, total	540
Chloride (as Cl)	68
Iron, dissolved	0.0303
Manganese, dissolved	233
Ethane	<0.38
Ethene	<0.59
Methane	58
Sulfate (as SO4)	60
Total Organic Carbon	6.2

Field Parameters	MW-9S
DO	1.41
ORP	-27.9
Alkalinity, total	340
Chloride (as Cl)	350
Iron, dissolved	0.61
Manganese, dissolved	100
Ethane	<0.38
Ethene	<0.59
Methane	2.9
Sulfate (as SO4)	38
Total Organic Carbon	1.3

Field Parameters	MW-1S
DO	1.47
ORP	76.9
Alkalinity, total	350
Chloride (as Cl)	220
Iron, dissolved	0.969
Manganese, dissolved	356
Ethane	<0.38
Ethene	<0.59
Methane	12
Sulfate (as SO4)	44
Total Organic Carbon	1.9

Field Parameters	MW-13S
DO	4.54
ORP	17
Alkalinity, total	270
Chloride (as Cl)	110
Iron, dissolved	<0.027
Manganese, dissolved	<1.2
Ethane	<0.38
Ethene	<0.59
Methane	<0.45
Sulfate (as SO4)	15
Total Organic Carbon	0.67

Field Parameters	MW-12S
DO	1.65
ORP	-56.3
Alkalinity, total	310
Chloride (as Cl)	190
Iron, dissolved	0.171
Manganese, dissolved	138
Ethane	<0.38
Ethene	<0.59
Methane	21
Sulfate (as SO4)	21
Total Organic Carbon	1.4

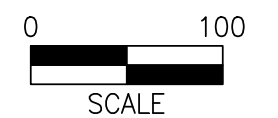
Field Parameters	MW-16S
DO	2.01
ORP	-44.1
Alkalinity, total	390
Chloride (as Cl)	200
Iron, dissolved	2.02
Manganese, dissolved	33
Ethane	<0.38
Ethene	<0.59
Methane	9.6
Sulfate (as SO4)	85
Total Organic Carbon	3.5

Field Parameters	MW-105S
DO	1.51
ORP	24.3
Alkalinity, total	370
Chloride (as Cl)	910
Iron, dissolved	2.15
Manganese, dissolved	351
Ethane	<0.38
Ethene	<0.59
Methane	110
Sulfate (as SO4)	56
Total Organic Carbon	4.1

LEGEND

- ⊙ MW-105B BEDROCK MONITORING WELL
- MW-105D DEEP UNCONSOLIDATED MONITORING WELL
- ⊕ MW-105S SHALLOW UNCONSOLIDATED MONITORING WELL
- PW-11 RESIDENTIAL WELL
- MW-106D DEEP UNCONSOLIDATED SENTINEL WELL
- ⊗ MW-106S SHALLOW UNCONSOLIDATED SENTINEL WELL
- ⊠ TW-2021 TEMPORARY WELL
- - - - - FORMER OECl SITE BOUNDARY

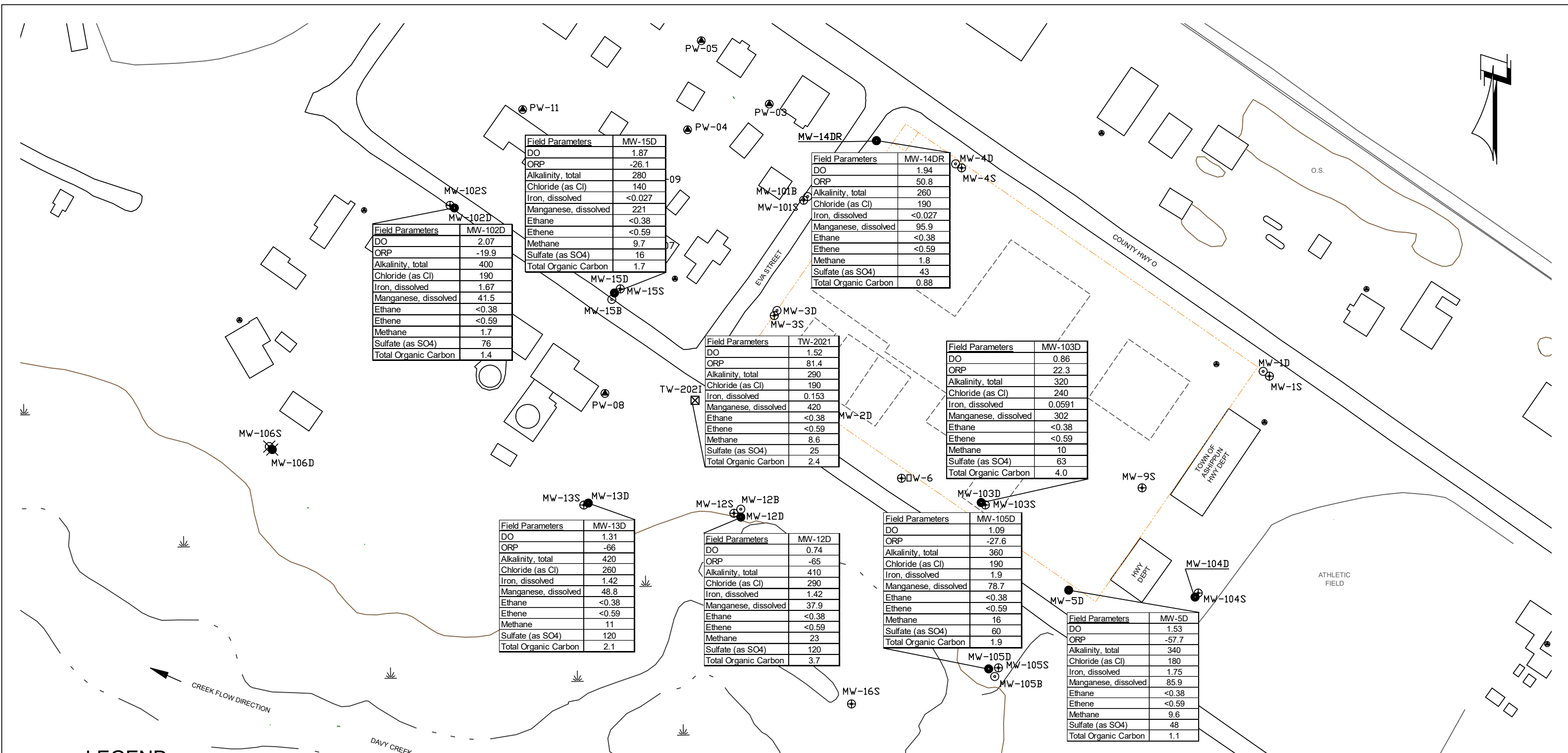
Field Parameters	Units
Dissolved Oxygen (DO)	mg/L
Oxidation Reduction Potential (ORP)	millivolts
Alkalinity, total	mg/L
Chloride (as Cl)	mg/L
Iron, dissolved	mg/L
Manganese, dissolved	µg/L
Ethane	µg/L
Ethene	µg/L
Methane	µg/L
Sulfate (as SO4)	mg/L
Total Organic Carbon	mg/L



Note: Basemap provided by Tetra Tech



Figure 14
 NOVEMBER 2021 SAMPLING EVENT SHALLOW-DEPTH MONITORING WELLS MONITORED NATURAL ATTENUATION PARAMETERS
 Oconomowoc Electroplating Company, Inc.
 Ashippun, WI



Field Parameters	MW-102D
DO	2.07
ORP	-19.9
Alkalinity, total	400
Chloride (as Cl)	190
Iron, dissolved	1.67
Manganese, dissolved	41.5
Ethane	<0.38
Ethene	<0.59
Methane	1.7
Sulfate (as SO4)	76
Total Organic Carbon	1.4

Field Parameters	MW-15D
DO	1.87
ORP	-26.1
Alkalinity, total	280
Chloride (as Cl)	140
Iron, dissolved	<0.027
Manganese, dissolved	221
Ethane	<0.38
Ethene	<0.59
Methane	9.7
Sulfate (as SO4)	16
Total Organic Carbon	1.7

Field Parameters	MW-14DR
DO	1.94
ORP	50.8
Alkalinity, total	260
Chloride (as Cl)	190
Iron, dissolved	<0.027
Manganese, dissolved	95.9
Ethane	<0.38
Ethene	<0.59
Methane	1.8
Sulfate (as SO4)	43
Total Organic Carbon	0.88

Field Parameters	TW-2021
DO	1.52
ORP	81.4
Alkalinity, total	290
Chloride (as Cl)	190
Iron, dissolved	0.153
Manganese, dissolved	420
Ethane	<0.38
Ethene	<0.59
Methane	8.6
Sulfate (as SO4)	25
Total Organic Carbon	2.4

Field Parameters	MW-103D
DO	0.86
ORP	22.3
Alkalinity, total	320
Chloride (as Cl)	240
Iron, dissolved	0.0591
Manganese, dissolved	302
Ethane	<0.38
Ethene	<0.59
Methane	10
Sulfate (as SO4)	63
Total Organic Carbon	4.0

Field Parameters	MW-13D
DO	1.31
ORP	-66
Alkalinity, total	420
Chloride (as Cl)	260
Iron, dissolved	1.42
Manganese, dissolved	48.8
Ethane	<0.38
Ethene	<0.59
Methane	11
Sulfate (as SO4)	120
Total Organic Carbon	2.1

Field Parameters	MW-12D
DO	0.74
ORP	-65
Alkalinity, total	410
Chloride (as Cl)	290
Iron, dissolved	1.42
Manganese, dissolved	37.9
Ethane	<0.38
Ethene	<0.59
Methane	23
Sulfate (as SO4)	120
Total Organic Carbon	3.7

Field Parameters	MW-105D
DO	1.09
ORP	-27.6
Alkalinity, total	360
Chloride (as Cl)	190
Iron, dissolved	1.9
Manganese, dissolved	78.7
Ethane	<0.38
Ethene	<0.59
Methane	16
Sulfate (as SO4)	60
Total Organic Carbon	1.9

Field Parameters	MW-5D
DO	1.53
ORP	-57.7
Alkalinity, total	340
Chloride (as Cl)	180
Iron, dissolved	1.75
Manganese, dissolved	85.9
Ethane	<0.38
Ethene	<0.59
Methane	9.6
Sulfate (as SO4)	48
Total Organic Carbon	1.1

LEGEND

- ⊙ MW-105B BEDROCK MONITORING WELL
- MW-105D DEEP UNCONSOLIDATED MONITORING WELL
- ⊕ MW-105S SHALLOW UNCONSOLIDATED MONITORING WELL
- PW-11 RESIDENTIAL WELL
- MW-106D DEEP UNCONSOLIDATED SENTINEL WELL
- ⊗ MW-106S SHALLOW UNCONSOLIDATED SENTINEL WELL
- ⊠ TW-2021 TEMPORARY WELL
- FORMER OECl SITE BOUNDARY

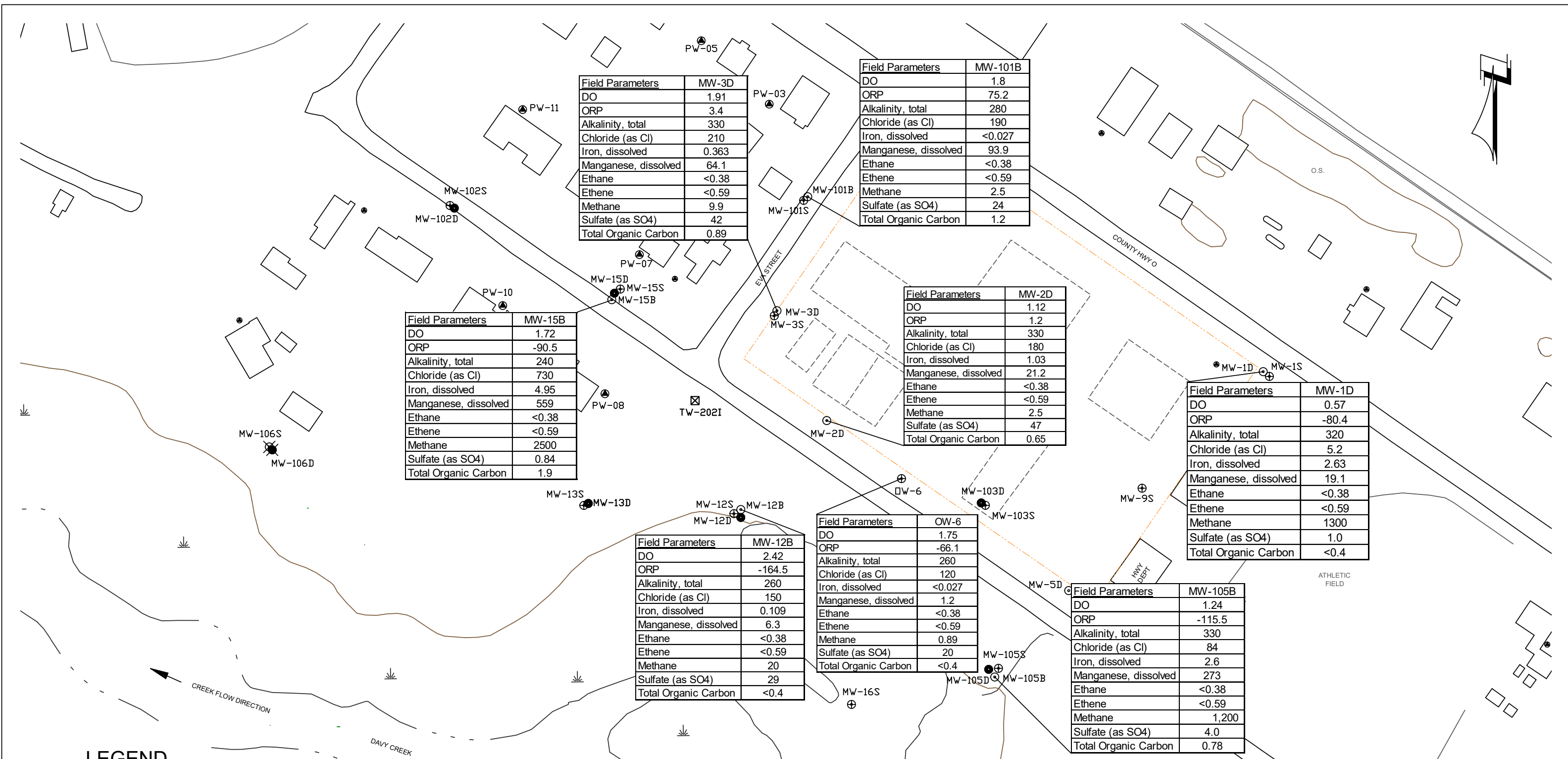
Field Parameters	Units
Dissolved Oxygen (DO)	mg/L
Oxidation Reduction Potential (ORP)	millivolts
Alkalinity, total	mg/L
Chloride (as Cl)	mg/L
Iron, dissolved	mg/L
Manganese, dissolved	µg/L
Ethane	µg/L
Ethene	µg/L
Methane	µg/L
Sulfate (as SO4)	mg/L
Total Organic Carbon	mg/L



Note: Basemap provided by Tetra Tech



Figure 15
 NOVEMBER 2021 SAMPLING EVENT MID-DEPTH MONITORING
 WELLS MONITORED NATURAL ATTENUATION PARAMETERS
 Oconomowoc Electroplating Company, Inc.
 Ashippun, WI



Field Parameters	MW-15B
DO	1.72
ORP	-90.5
Alkalinity, total	240
Chloride (as Cl)	730
Iron, dissolved	4.95
Manganese, dissolved	559
Ethane	<0.38
Ethene	<0.59
Methane	2500
Sulfate (as SO4)	0.84
Total Organic Carbon	1.9

Field Parameters	MW-3D
DO	1.91
ORP	3.4
Alkalinity, total	330
Chloride (as Cl)	210
Iron, dissolved	0.363
Manganese, dissolved	64.1
Ethane	<0.38
Ethene	<0.59
Methane	9.9
Sulfate (as SO4)	42
Total Organic Carbon	0.89

Field Parameters	MW-101B
DO	1.8
ORP	75.2
Alkalinity, total	280
Chloride (as Cl)	190
Iron, dissolved	<0.027
Manganese, dissolved	93.9
Ethane	<0.38
Ethene	<0.59
Methane	2.5
Sulfate (as SO4)	24
Total Organic Carbon	1.2

Field Parameters	MW-2D
DO	1.12
ORP	1.2
Alkalinity, total	330
Chloride (as Cl)	180
Iron, dissolved	1.03
Manganese, dissolved	21.2
Ethane	<0.38
Ethene	<0.59
Methane	2.5
Sulfate (as SO4)	47
Total Organic Carbon	0.65

Field Parameters	MW-1D
DO	0.57
ORP	-80.4
Alkalinity, total	320
Chloride (as Cl)	5.2
Iron, dissolved	2.63
Manganese, dissolved	19.1
Ethane	<0.38
Ethene	<0.59
Methane	1300
Sulfate (as SO4)	1.0
Total Organic Carbon	<0.4

Field Parameters	MW-12B
DO	2.42
ORP	-164.5
Alkalinity, total	260
Chloride (as Cl)	150
Iron, dissolved	0.109
Manganese, dissolved	6.3
Ethane	<0.38
Ethene	<0.59
Methane	20
Sulfate (as SO4)	29
Total Organic Carbon	<0.4

Field Parameters	OW-6
DO	1.75
ORP	-66.1
Alkalinity, total	260
Chloride (as Cl)	120
Iron, dissolved	<0.027
Manganese, dissolved	1.2
Ethane	<0.38
Ethene	<0.59
Methane	0.89
Sulfate (as SO4)	20
Total Organic Carbon	<0.4

Field Parameters	MW-105B
DO	1.24
ORP	-115.5
Alkalinity, total	330
Chloride (as Cl)	84
Iron, dissolved	2.6
Manganese, dissolved	273
Ethane	<0.38
Ethene	<0.59
Methane	1,200
Sulfate (as SO4)	4.0
Total Organic Carbon	0.78

LEGEND

- ⊙ MW-105B BEDROCK MONITORING WELL
- MW-105D DEEP UNCONSOLIDATED MONITORING WELL
- ⊕ MW-105S SHALLOW UNCONSOLIDATED MONITORING WELL
- PW-11 RESIDENTIAL WELL
- ⊙ MW-106D DEEP UNCONSOLIDATED SENTINEL WELL
- ⊕ MW-106S SHALLOW UNCONSOLIDATED SENTINEL WELL
- ⊠ TW-2021 TEMPORARY WELL
- FORMER OECl SITE BOUNDARY

Field Parameters	Units
Dissolved Oxygen (DO)	mg/L
Oxidation Reduction Potential (ORP)	millivolts
Alkalinity, total	mg/L
Chloride (as Cl)	mg/L
Iron, dissolved	mg/L
Manganese, dissolved	µg/L
Ethane	µg/L
Ethene	µg/L
Methane	µg/L
Sulfate (as SO4)	mg/L
Total Organic Carbon	mg/L



Note: Basemap provided by Tetra Tech



Figure 16
 NOVEMBER 2021 SAMPLING EVENT BEDROCK MONITORING WELLS MONITORED NATURAL ATTENUATION PARAMETERS
 Oconomowoc Electroplating Company, Inc.
 Ashippun, WI



ANNUAL GROUNDWATER MONITORING REPORT

OECI Superfund Site, Town of Ashippun, WI

June 28, 2022

TABLES

Table 1. Water Level Data, Oconomowoc Electroplating Company Inc. (OECI) Superfund Site Monitoring Wells

Well ID	Type	Reference TOC Elevation	Screen Length	Date Measured	Depth to Groundwater (from TOC)	Groundwater Elevation	Depth to Bottom of Well (from TOC)	Height of Water Column in Well
		ft MSL			ft		ft btoc	
MW-1S	WT	853.42	10.	12/10/2014	6.68	846.74	17.59	10.91
MW-1S	WT	853.42	10.	5/4/2015	5.39	848.03	17.59	12.2
MW-1S	WT	853.42	10.	11/2/2015	6.57	846.85	17.59	11.02
MW-1S	WT	853.42	10.	5/9/2016	5.57	847.85	17.59	12.02
MW-1S	WT	853.42	10.	10/31/2016	4.74	848.68	17.59	12.85
MW-1S	WT	853.42	10.	5/8/2017	4.92	848.50	17.59	12.67
MW-1S	WT	853.42	10.	11/28/2017	6.37	847.05	17.59	11.22
MW-1S	WT	853.42	10.	11/6/2018	4.52	848.90	17.59	13.07
MW-1S	WT	853.42	10.	11/30/2021	7.79	845.63	17.62	9.83
MW-1D	BR	853.14	10.	12/10/2014	7.07	846.07	50.72	43.65
MW-1D	BR	853.14	10.	5/4/2015	5.32	847.82	50.72	45.4
MW-1D	BR	853.14	10.	11/2/2015	6.94	846.20	50.72	43.78
MW-1D	BR	853.14	10.	5/9/2016	5.07	848.07	50.72	45.65
MW-1D	BR	853.14	10.	10/31/2016	4.62	848.52	50.72	46.1
MW-1D	BR	853.14	10.	5/8/2017	4.59	848.55	50.72	46.13
MW-1D	BR	853.14	10.	11/28/2017	6.73	846.41	50.72	43.99
MW-1D	BR	853.14	10.	11/6/2018	4.69	848.45	50.72	46.03
MW-1D	BR	853.14	10.	11/30/2021	7.62	845.52	50.73	43.11
MW-2D	BR	852.36	10.	12/11/2014	5.94	846.42	43.48	37.54
MW-2D	BR	852.36	10.	5/4/2015	4.90	847.46	43.48	38.58
MW-2D	BR	852.36	10.	11/2/2015	6.02	846.34	43.48	37.46
MW-2D	BR	852.36	10.	5/9/2016	5.03	847.33	43.48	38.45
MW-2D	BR	852.36	10.	10/31/2016	4.21	848.15	43.48	39.27
MW-2D	BR	852.36	10.	5/8/2017	4.11	848.25	43.48	39.37
MW-2D	BR	852.36	10.	11/28/2017	5.55	846.81	43.48	37.93
MW-2D	BR	852.36	10.	11/6/2018	4.03	848.33	43.48	39.45
MW-2D	BR	852.36	10.	11/30/2021	6.74	845.62	43.54	36.8
MW-3D	BR	853.51	10.	12/10/2014	7.56	845.95	50.56	43
MW-3D	BR	853.51	10.	5/4/2015	5.98	847.53	50.56	44.58
MW-3D	BR	853.51	10.	11/2/2015	8.12	845.39	50.56	42.44
MW-3D	BR	853.51	10.	5/9/2016	7.21	846.30	50.56	43.35
MW-3D	BR	853.51	10.	10/31/2016	6.25	847.26	50.56	44.31
MW-3D	BR	853.51	10.	5/8/2017	6.20	847.31	50.56	44.36
MW-3D	BR	853.51	10.	11/28/2017	7.65	845.86	50.56	42.91
MW-3D	BR	853.51	10.	11/6/2018	6.07	847.44	50.56	44.49
MW-3D	BR	853.51	10.	11/30/2021	7.14	846.37	50.54	43.4
MW-4S	WT	854.58	10.	12/11/2014	8.37	846.21	18.09	9.72
MW-4S	WT	854.58	10.	5/4/2015	6.62	847.96	18.09	11.47
MW-4S	WT	854.58	10.	11/2/2015	8.28	846.30	18.09	9.81
MW-4S	WT	854.58	10.	5/9/2016	6.71	847.87	18.09	11.38
MW-4S	WT	854.58	10.	10/31/2016	5.88	848.70	18.09	12.21
MW-4S	WT	854.58	10.	5/8/2017	5.98	848.60	18.09	12.11
MW-4S	WT	854.58	10.	11/28/2017	7.88	846.70	18.09	10.21
MW-4S	WT	854.58	10.	11/6/2018	5.78	848.80	18.09	12.31
MW-4S	WT	854.58	10.	11/30/2021	9.22	845.36	18.08	8.86

Table 1. Water Level Data, Oconomowoc Electroplating Company Inc. (OECI) Superfund Site Monitoring Wells

Well ID	Type	Reference TOC Elevation	Screen Length	Date Measured	Depth to Groundwater (from TOC)	Groundwater Elevation	Depth to Bottom of Well (from TOC)	Height of Water Column in Well
		ft MSL	ft		ft btoc	ft MSL	ft btoc	feet
MW-4D	BR	854.63	10.	5/4/2015	7.41	847.22		
MW-4D	BR	854.63	10.	11/2/2015	8.74	845.89		
MW-4D	BR	854.63	10.	5/9/2016	7.37	847.26		
MW-4D	BR	854.63	10.	10/31/2016	6.20	848.43		
MW-4D	BR	854.63	10.	5/8/2017	6.33	848.30		
MW-4D	BR	854.63	10.	11/28/2017	8.26	846.37		
MW-4D	BR	854.63	10.	11/6/2018	6.01	848.62		
MW-4D	BR	854.63	10.	11/30/2021	4.46	850.17	18.22	13.76
MW-5D	Pz	848.80	5.	12/10/2014	3.95	844.85	24.45	20.5
MW-5D	Pz	848.80	5.	5/4/2015	2.52	846.28	24.45	21.93
MW-5D	Pz	848.80	5.	11/2/2015	3.26	845.54	24.45	21.19
MW-5D	Pz	848.80	5.	5/9/2016	3.72	845.08	24.45	20.73
MW-5D	Pz	848.80	5.	10/31/2016	2.05	846.75	24.45	22.4
MW-5D	Pz	848.80	5.	5/8/2017	2.21	846.59	24.45	22.24
MW-5D	Pz	848.80	5.	11/28/2017	3.09	845.71	24.45	21.36
MW-5D	Pz	848.80	5.	11/6/2018	1.95	846.85	24.45	22.5
MW-5D	Pz	848.80	5.	11/30/2021	4.16	844.64	24.55	20.39
MW-9S	WT	851.57	10.	12/10/2014	5.53	846.04	22.33	16.8
MW-9S	WT	851.57	10.	5/4/2015	4.50	847.07	22.33	17.83
MW-9S	WT	851.57	10.	11/2/2015	5.28	846.29	22.33	17.05
MW-9S	WT	851.57	10.	5/9/2016	4.77	846.80	22.33	17.56
MW-9S	WT	851.57	10.	10/31/2016	4.08	847.49	22.33	18.25
MW-9S	WT	851.57	10.	5/8/2017	4.17	847.40	22.33	18.16
MW-9S	WT	851.57	10.	11/28/2017	5.06	846.51	22.33	17.27
MW-9S	WT	851.57	10.	11/6/2018	3.79	847.78	22.33	18.54
MW-9S	WT	851.57	10.	11/30/2021	6.34	845.23	22.33	15.99
MW-12S	WT	849.17	10.	12/11/2014	4.24	844.93	14.89	10.65
MW-12S	WT	849.17	10.	5/4/2015	3.79	845.38	14.89	11.1
MW-12S	WT	849.17	10.	11/2/2015	4.34	844.83	14.89	10.55
MW-12S	WT	849.17	10.	5/9/2016	4.00	845.17	14.89	10.89
MW-12S	WT	849.17	10.	10/31/2016	3.22	845.95	14.89	11.67
MW-12S	WT	849.17	10.	5/8/2017	3.42	845.75	14.89	11.47
MW-12S	WT	849.17	10.	11/28/2017	4.12	845.05	14.89	10.77
MW-12S	WT	849.17	10.	11/6/2018	3.12	846.05	14.89	11.77
MW-12S	WT	849.17	10.	11/30/2021	5.01	844.16	14.78	9.77
MW-12D	Pz	848.31	5.	12/11/2014	2.96	845.35	25.11	22.15
MW-12D	Pz	848.31	5.	5/4/2015	2.19	846.12	25.11	22.92
MW-12D	Pz	848.31	5.	11/2/2015	4.06	844.25	25.11	21.05
MW-12D	Pz	848.31	5.	5/9/2016	2.44	845.87	25.11	22.67
MW-12D	Pz	848.31	5.	10/31/2016	1.62	846.69	25.11	23.49
MW-12D	Pz	848.31	5.	5/8/2017	1.63	846.68	25.11	23.48
MW-12D	Pz	848.31	5.	11/28/2017	2.22	846.09	25.11	22.89
MW-12D	Pz	848.31	5.	11/6/2018	1.39	846.92	25.11	23.72
MW-12D	Pz	848.31	5.	11/30/2021	3.99	844.32	25.19	21.2

Table 1. Water Level Data, Oconomowoc Electroplating Company Inc. (OECI) Superfund Site Monitoring Wells

Well ID	Type	Reference TOC Elevation	Screen Length	Date Measured	Depth to Groundwater (from TOC)	Groundwater Elevation	Depth to Bottom of Well (from TOC)	Height of Water Column in Well
		ft MSL	ft		ft btoc	ft MSL	ft btoc	feet
MW-12B	BR	849.40	5.	12/11/2014	4.15	845.25	44.55	40.4
MW-12B	BR	849.40	5.	5/4/2015	3.19	846.21	44.55	41.36
MW-12B	BR	849.40	5.	11/2/2015	4.11	845.29	44.55	40.44
MW-12B	BR	849.40	5.	5/9/2016	3.37	846.03	44.55	41.18
MW-12B	BR	849.40	5.	10/31/2016	2.65	846.75	44.55	41.9
MW-12B	BR	849.40	5.	5/8/2017	2.65	846.75	44.55	41.9
MW-12B	BR	849.40	5.	11/28/2017	3.77	845.63	44.55	40.78
MW-12B	BR	849.40	5.	11/6/2018	2.41	846.99	44.55	42.14
MW-12B	BR	849.40	5.	11/30/2021	4.98	844.42	44.62	39.64
MW-13S	WT	850.91	10.	12/11/2014	5.83	845.08	15.31	9.48
MW-13S	WT	850.91	10.	5/4/2015	4.98	845.93	15.31	10.33
MW-13S	WT	850.91	10.	11/2/2015	5.96	844.95	15.31	9.35
MW-13S	WT	850.91	10.	5/9/2016	5.16	845.75	15.31	10.15
MW-13S	WT	850.91	10.	10/31/2016	4.46	846.45	15.31	10.85
MW-13S	WT	850.91	10.	5/8/2017	4.45	846.46	15.31	10.86
MW-13S	WT	850.91	10.	11/28/2017	5.61	845.30	15.31	9.7
MW-13S	WT	850.91	10.	11/6/2018	4.32	846.59	15.31	10.99
MW-13S	WT	850.91	10.	11/30/2021	6.88	844.03	15.39	8.51
MW-13D	Pz	850.02	5.	12/11/2014	4.84	845.18	31.94	27.1
MW-13D	Pz	850.02	5.	5/4/2015	3.92	846.10	31.94	28.02
MW-13D	Pz	850.02	5.	11/2/2015	4.82	845.20	31.94	27.12
MW-13D	Pz	850.02	5.	5/9/2016	4.20	845.82	31.94	27.74
MW-13D	Pz	850.02	5.	10/31/2016	3.34	846.68	31.94	28.6
MW-13D	Pz	850.02	5.	5/8/2017	3.33	846.69	31.94	28.61
MW-13D	Pz	850.02	5.	11/28/2017	4.48	845.54	31.94	27.46
MW-13D	Pz	850.02	5.	11/6/2018	3.15	846.87	31.94	28.79
MW-13D	Pz	850.02	5.	11/30/2021	5.65	844.37	31.94	26.29
MW-15S	WT	854.68	10.	12/8/2014	9.32	845.36	16.17	6.85
MW-15S	WT	854.68	10.	5/4/2015	7.96	846.72	16.17	8.21
MW-15S	WT	854.68	10.	11/2/2015	9.39	845.29	16.17	6.78
MW-15S	WT	854.68	10.	5/9/2016	8.11	846.57	16.17	8.06
MW-15S	WT	854.68	10.	10/31/2016	7.06	847.62	16.17	9.11
MW-15S	WT	854.68	10.	5/8/2017	6.93	847.75	16.17	9.24
MW-15S	WT	854.68	10.	11/28/2017	8.88	845.80	16.17	7.29
MW-15S	WT	854.68	10.	11/6/2018	7.33	847.35	16.17	8.84
MW-15S	WT	854.68	10.	11/30/2021	9.94	844.74	16.42	6.48
MW-15D	Pz	855.30	10.	12/9/2014	9.91	845.39	39.19	29.28
MW-15D	Pz	855.30	10.	5/4/2015	8.90	846.40	39.19	30.29
MW-15D	Pz	855.30	10.	11/2/2015	9.99	845.31	39.19	29.2
MW-15D	Pz	855.30	10.	5/9/2016	9.40	845.90	39.19	29.79
MW-15D	Pz	855.30	10.	10/31/2016	8.28	847.02	39.19	30.91
MW-15D	Pz	855.30	10.	5/8/2017	8.20	847.10	39.19	30.99
MW-15D	Pz	855.30	10.	11/28/2017	9.54	845.76	39.19	29.65
MW-15D	Pz	855.30	10.	11/6/2018	8.06	847.24	39.19	31.13
MW-15D	Pz	855.30	10.	11/30/2021	10.94	844.36	39.32	28.38

Table 1. Water Level Data, Oconomowoc Electroplating Company Inc. (OECI) Superfund Site Monitoring Wells

Well ID	Type	Reference TOC Elevation	Screen Length	Date Measured	Depth to Groundwater (from TOC)	Groundwater Elevation	Depth to Bottom of Well (from TOC)	Height of Water Column in Well
		ft MSL	ft		ft btoc	ft MSL	ft btoc	feet
MW-15B	BR	854.35	5.	12/8/2014	10.46	843.89	57.06	46.6
MW-15B	BR	854.35	5.	5/4/2015	13.61	840.74	57.06	43.45
MW-15B	BR	854.35	5.	11/2/2015	14.25	840.10	57.06	42.81
MW-15B	BR	854.35	5.	5/9/2016	12.97	841.38	57.06	44.09
MW-15B	BR	854.35	5.	10/31/2016	14.08	840.27	57.06	42.98
MW-15B	BR	854.35	5.	5/8/2017	13.39	840.96	57.06	43.67
MW-15B	BR	854.35	5.	11/28/2017	12.90	841.45	57.06	44.16
MW-15B	BR	854.35	5.	11/6/2018	0.00*	854.35	57.06	57.06
MW-15B	BR	854.35	5.	11/30/2021	9.83	844.52	57.93	48.1
MW-16S	BR	847.90	10.	12/18/2014	0.94	846.96	14.42	13.484
MW-16S	WT	847.90	10.	5/4/2015	2.64	845.26	14.42	11.78
MW-16S	WT	847.90	10.	11/2/2015	3.08	844.82	14.42	11.34
MW-16S	WT	847.90	10.	5/9/2016	2.81	845.09	14.42	11.61
MW-16S	WT	847.90	10.	11/4/2016	2.19	845.71	14.42	12.23
MW-16S	WT	847.90	10.	5/12/2017	2.52	845.38	14.42	11.9
MW-16S	WT	847.90	10.	11/28/2017	2.76	845.14	14.42	11.66
MW-16S	WT	847.90	10.	11/19/2018	2.94	844.96	14.42	11.48
MW-16S	WT	847.90	10.	11/30/2021	3.96	843.94	14.51	10.55
MW-101S	WT	851.24	10.	12/9/2014	5.29	845.95	12.41	7.12
MW-101S	WT	851.24	10.	5/4/2015	3.64	847.60	12.41	8.77
MW-101S	WT	851.24	10.	11/2/2015	5.32	845.92	12.41	7.09
MW-101S	WT	851.24	10.	5/9/2016	3.74	847.50	12.41	8.67
MW-101S	WT	851.24	10.	10/31/2016	2.88	848.36	12.41	9.53
MW-101S	WT	851.24	10.	5/8/2017	2.62	848.62	12.41	9.79
MW-101S	WT	851.24	10.	11/28/2017	4.86	846.38	12.41	7.55
MW-101S	WT	851.24	10.	11/6/2018	2.70	848.54	12.41	9.71
MW-101S	WT	851.24	10.	11/30/2021	6.01	845.23	12.51	6.5
MW-101B	BR	851.08	5.	12/9/2014	5.46	845.62	48.75	43.29
MW-101B	BR	851.08	5.	5/4/2015	4.33	846.75	48.75	44.42
MW-101B	BR	851.08	5.	11/2/2015	5.52	845.56	48.75	43.23
MW-101B	BR	851.08	5.	5/9/2016	4.60	846.48	48.75	44.15
MW-101B	BR	851.08	5.	10/31/2016	2.87	848.21	48.75	45.88
MW-101B	BR	851.08	5.	5/8/2017	3.44	847.64	48.75	45.31
MW-101B	BR	851.08	5.	11/28/2017	5.09	845.99	48.75	43.66
MW-101B	BR	851.08	5.	11/6/2018	3.29	847.79	48.75	45.46
MW-101B	BR	851.08	5.	11/30/2021	6.11	844.97	48.74	42.63
MW-102S	WT	853.65	10.	12/9/2014	7.41	846.24	15.56	8.15
MW-102S	WT	853.65	10.	5/4/2015	7.05	846.60	15.56	8.51
MW-102S	WT	853.65	10.	11/2/2015	8.58	845.07	15.56	6.98
MW-102S	WT	853.65	10.	5/9/2016	7.14	846.51	15.56	8.42
MW-102S	WT	853.65	10.	10/31/2016	6.02	847.63	15.56	9.54
MW-102S	WT	853.65	10.	5/8/2017	5.94	847.71	15.56	9.62
MW-102S	WT	853.65	10.	11/28/2017	8.04	845.61	15.56	7.52
MW-102S	WT	853.65	10.	11/6/2018	6.14	847.51	15.56	9.42
MW-102S	WT	853.65	10.	11/30/2021	9.13	844.52	15.65	6.52

Table 1. Water Level Data, Oconomowoc Electroplating Company Inc. (OECI) Superfund Site Monitoring Wells

Well ID	Type	Reference TOC Elevation	Screen Length	Date Measured	Depth to Groundwater (from TOC)	Groundwater Elevation	Depth to Bottom of Well (from TOC)	Height of Water Column in Well
		ft MSL	ft		ft btoc	ft MSL	ft btoc	feet
MW-102D	Pz	853.70	5.	12/9/2014	8.39	845.31	48.36	39.97
MW-102D	Pz	853.70	5.	5/4/2015	7.32	846.38	48.36	41.04
MW-102D	Pz	853.70	5.	11/2/2015	8.29	845.41	48.36	40.07
MW-102D	Pz	853.70	5.	5/9/2016	7.56	846.14	48.36	40.8
MW-102D	Pz	853.70	5.	10/31/2016	6.80	846.90	48.36	41.56
MW-102D	Pz	853.70	5.	5/8/2017	6.51	847.19	48.36	41.85
MW-102D	Pz	853.70	5.	11/28/2017	8.00	845.70	48.36	40.36
MW-102D	Pz	853.70	5.	11/6/2018	6.35	847.35	48.36	42.01
MW-102D	Pz	853.70	5.	11/30/2021	8.21	845.49	49.03	40.82
MW-103S	WT	851.84	10.	12/8/2014	6.37	845.47	16.57	10.2
MW-103S	WT	851.84	10.	5/4/2015	5.49	846.35	16.57	11.08
MW-103S	WT	851.84	10.	11/4/2015	6.62	845.22	16.57	9.95
MW-103S	WT	851.84	10.	5/9/2016	5.61	846.23	16.57	10.96
MW-103S	WT	851.84	10.	10/31/2016	4.97	846.87	16.57	11.6
MW-103S	WT	851.84	10.	5/8/2017	5.24	846.60	16.57	11.33
MW-103S	WT	851.84	10.	11/28/2017	6.39	845.45	16.57	10.18
MW-103S	WT	851.84	10.	11/6/2018	4.44	847.40	16.57	12.13
MW-103S	WT	851.84	10.	11/30/2021	7.59	844.25	16.64	9.05
MW-103D	Pz	851.97	5.	12/17/2014	6.52	845.45	26.86	20.34
MW-103D	Pz	851.97	5.	5/4/2015	5.45	846.52	26.86	21.41
MW-103D	Pz	851.97	5.	11/2/2015	6.29	845.68	26.86	20.57
MW-103D	Pz	851.97	5.	5/9/2016	5.65	846.32	26.86	21.21
MW-103D	Pz	851.97	5.	10/31/2016	4.86	847.11	26.86	22
MW-103D	Pz	851.97	5.	5/8/2017	5.02	846.95	26.86	21.84
MW-103D	Pz	851.97	5.	11/28/2017	6.15	845.82	26.86	20.71
MW-103D	Pz	851.97	5.	11/6/2018	4.35	847.62	26.86	22.51
MW-103D	Pz	851.97	5.	11/30/2021	7.33	844.64	26.91	19.58
MW-104S	WT	850.56	10.	5/4/2015	4.19	846.37	14.53	10.34
MW-104S	WT	850.56	10.	11/2/2015	4.59	845.97	14.53	9.94
MW-104S	WT	850.56	10.	5/9/2016	4.27	846.29	14.53	10.26
MW-104S	WT	850.56	10.	10/31/2016	3.67	846.89	14.53	10.86
MW-104S	WT	850.56	10.	5/8/2017	3.89	846.67	14.53	10.64
MW-104S	WT	850.27	10.	11/28/2017	4.32	845.95	14.53	10.21
MW-104S	WT	850.27	10.	11/6/2018	3.14	847.13	14.53	11.39
MW-104S	WT	850.27	10.	11/30/2021	5.55	844.72	14.24	8.69
MW-104D	Pz	850.57	5.	5/4/2015	4.06	846.51	27.64	23.58
MW-104D	Pz	850.57	5.	11/2/2015	4.70	845.87	27.64	22.94
MW-104D	Pz	850.57	5.	5/9/2016	4.46	846.11	27.64	23.18
MW-104D	Pz	850.57	5.	10/31/2016	3.55	847.02	27.64	24.09
MW-104D	Pz	850.57	5.	5/8/2017	3.75	846.82	27.64	23.89
MW-104D	Pz	850.22	5.	11/28/2017	4.21	846.01	27.64	23.43
MW-104D	Pz	850.22	5.	11/6/2018	2.90	847.32	27.64	24.74
MW-104D	Pz	850.22	5.	11/30/2021	5.11	845.11	27.32	22.21

Table 1. Water Level Data, Oconomowoc Electroplating Company Inc. (OECI) Superfund Site Monitoring Wells

Well ID	Type	Reference TOC Elevation	Screen Length	Date Measured	Depth to Groundwater (from TOC)	Groundwater Elevation	Depth to Bottom of Well (from TOC)	Height of Water Column in Well
		ft MSL			ft btoc	ft MSL	ft btoc	feet
MW-105S	WT	849.01	10.	12/10/2014	4.03	844.98	15.58	11.55
MW-105S	WT	849.01	10.	5/4/2015	3.38	845.63	15.58	12.2
MW-105S	WT	849.01	10.	11/2/2015	3.82	845.19	15.58	11.76
MW-105S	WT	849.01	10.	5/9/2016	3.50	845.51	15.58	12.08
MW-105S	WT	849.01	10.	10/31/2016	2.99	846.02	15.58	12.59
MW-105S	WT	849.01	10.	5/8/2017	3.10	845.91	15.58	12.48
MW-105S	WT	849.01	10.	11/28/2017	3.70	845.31	15.58	11.88
MW-105S	WT	849.01	10.	11/6/2018	2.90	846.11	15.58	12.68
MW-105S	WT	849.01	10.	11/30/2021	5.19	843.82	15.69	10.5
MW-105D	Pz	848.90	5.	12/10/2014	3.52	845.38	29.61	26.09
MW-105D	Pz	848.90	5.	5/4/2015	2.80	846.10	29.61	26.81
MW-105D	Pz	848.90	5.	11/2/2015	3.60	845.30	29.61	26.01
MW-105D	Pz	848.90	5.	5/9/2016	2.95	845.95	29.61	26.66
MW-105D	Pz	848.90	5.	10/31/2016	2.32	846.58	29.61	27.29
MW-105D	Pz	848.90	5.	5/8/2017	2.25	846.65	29.61	27.36
MW-105D	Pz	848.90	5.	11/28/2017	3.29	845.61	29.61	26.32
MW-105D	Pz	848.90	5.	11/6/2018	1.98	846.92	29.61	27.63
MW-105D	Pz	848.90	5.	11/30/2021	4.51	844.39	29.65	25.14
MW-105B	BR	848.90	5.	12/10/2014	2.82	846.08	47.13	44.31
MW-105B	BR	848.90	5.	5/4/2015	2.74	846.16	47.13	44.39
MW-105B	BR	848.90	5.	11/2/2015	3.84	845.06	47.13	43.29
MW-105B	BR	848.90	5.	5/9/2016	2.91	845.99	47.13	44.22
MW-105B	BR	848.90	5.	10/31/2016	2.08	846.82	47.13	45.05
MW-105B	BR	848.90	5.	5/8/2017	2.12	846.78	47.13	45.01
MW-105B	BR	848.90	5.	11/28/2017	3.32	845.58	47.13	43.81
MW-105B	BR	848.90	5.	11/6/2018	2.30	846.60	47.13	44.83
MW-105B	BR	848.90	5.	11/30/2021	4.53	844.37	47.17	42.64
MW-106S	WT	848.92	10.	5/4/2015	3.81	845.11	17.31	13.5
MW-106S	WT	848.92	10.	11/2/2015	4.41	844.51	17.31	12.9
MW-106S	WT	848.92	10.	5/9/2016	4.19	844.73	17.31	13.12
MW-106S	WT	848.92	10.	10/31/2016	3.09	845.83	17.31	14.22
MW-106S	WT	848.92	10.	5/8/2017	3.30	845.62	17.31	14.01
MW-106S	WT	848.92	10.	11/28/2017	4.16	844.76	17.31	13.15
MW-106S	WT	848.92	10.	11/6/2018	2.86	846.06	17.31	14.45
MW-106S	WT	848.92	10.	11/30/2021	5.15	843.77	17.16	12.01
MW-106D	Pz	849.01	5.	5/4/2015	2.85	846.16	56.72	53.87
MW-106D	Pz	849.01	5.	11/2/2015	3.71	845.30	56.72	53.01
MW-106D	Pz	849.01	5.	5/9/2016	3.12	845.89	56.72	53.6
MW-106D	Pz	849.01	5.	10/31/2016	2.24	846.77	56.72	54.48
MW-106D	Pz	849.01	5.	5/8/2017	2.25	846.76	56.72	54.47
MW-106D	Pz	849.01	5.	11/28/2017	3.36	845.65	56.72	53.36
MW-106D	Pz	849.01	5.	11/6/2018	1.99	847.02	56.72	54.73
MW-106D	Pz	849.01	5.	11/30/2021	4.63	844.38	52.22	47.59

Table 1. Water Level Data, Oconomowoc Electroplating Company Inc. (OECI) Superfund Site Monitoring Wells

Well ID	Type	Reference TOC Elevation	Screen Length	Date Measured	Depth to Groundwater (from TOC)	Groundwater Elevation	Depth to Bottom of Well (from TOC)	Height of Water Column in Well
		ft MSL	ft		ft btoc	ft MSL	ft btoc	feet
TW-202I	Pz	851.13	5.	12/10/2014	5.95	845.18	20.98	15.03
TW-202I	Pz	851.13	5.	5/4/2015	4.72	846.41	20.98	16.26
TW-202I	Pz	851.13	5.	11/2/2015	5.80	845.33	20.98	15.18
TW-202I	Pz	851.13	5.	5/9/2016	4.82	846.31	20.98	16.16
TW-202I	Pz	851.13	5.	10/31/2016	3.91	847.22	20.98	17.07
TW-202I	Pz	851.13	5.	5/8/2017	3.89	847.24	20.98	17.09
TW-202I	Pz	852.62	5.	11/28/2017	6.84	845.78	20.98	14.14
TW-202I	Pz	852.62	5.	11/6/2018	5.35	847.27	20.98	15.63
TW-202I	Pz	852.62	5.	11/30/2021	7.92	844.70	22.39	14.47
OW-6	BR	851.99	5.	12/11/2014	6.34	845.65	50.56	44.22
OW-6	BR	851.99	5.	5/4/2015	5.27	846.72	50.56	45.29
OW-6	BR	851.99	5.	11/2/2015	6.69	845.30	50.56	43.87
OW-6	BR	851.99	5.	5/9/2016	5.32	846.67	50.56	45.24
OW-6	BR	851.99	5.	10/31/2016	4.79	847.20	50.56	45.77
OW-6	BR	851.99	5.	5/8/2017	4.49	847.50	50.56	46.07
OW-6	BR	851.99	5.	11/28/2017	6.08	845.91	50.56	44.48
OW-6	BR	851.99	5.	11/6/2018	4.94	847.05	50.56	45.62
OW-6	BR	851.99	5.	11/30/2021	6.13	845.86	50.68	44.55
MW-14DR	Pz	851.00	10.	12/15/2014	5.51	845.49	31.74	26.23
MW-14DR	Pz	851.00	10.	5/4/2015	3.58	847.42	31.74	28.16
MW-14DR	Pz	851.00	10.	11/2/2015	5.23	845.77	31.74	26.51
MW-14DR	Pz	851.00	10.	5/9/2016	4.18	846.82	31.74	27.56
MW-14DR	Pz	851.00	10.	10/31/2016	3.38	847.62	31.74	28.36
MW-14DR	Pz	851.00	10.	5/8/2017	3.06	847.94	31.74	28.68
MW-14DR	Pz	851.00	10.	11/28/2017	4.94	846.06	31.74	26.8
MW-14DR	Pz	851.00	10.	11/6/2018	2.87	848.13	31.74	28.87
MW-14DR	Pz	851.00	10.	11/30/2021	6.16	844.84	31.82	25.66

Notes:

ft MSL = feet above mean sea level

ft = feet

ft btoc = feet below top of well casing

TOC = Top of well casing

WT = Water Table monitoring well.

Pz = Unconsolidated deposits monitoring well.

BR = Bedrock monitoring well.

MW-104S: Cut PVC down 0.29 ft & installed new flush mount cover 10/27/2017.

MW-104D: Cut PVC down 0.35 ft & installed new flush mount cover 10/27/2017.

TW-202I: Added 1.49 ft. PVC extension to casing and installed steel protector top around well on 10/27/2017.

* = Water level not representative of site conditions because well casing was filled to the top with surface water.

**Table 2. Vertical Gradient Calculations
conomowoc Electroplating Company Inc. (OECI) Superfund Site Monitoring Well Nests**

Well ID	Ground Surface Elev. (ft MSL)	Top of Casing Elev. (ft MSL)	Screen Length (ft)	Top of Screen Elev. (ft MSL)	Bottom of Screen Elev. (ft MSL)	Date	Depth to GW (ft btoc)	GW Elev. (ft MSL)	Gradient + (Down) - (Up)	Date	Depth to GW (ft btoc)	GW Elev. (ft MSL)	Gradient + (Down) - (Up)	Date	Depth to GW (ft btoc)	GW Elev. (ft MSL)	Gradient + (Down) - (Up)
MW-1S	851.75	853.42	10.0	845.95	835.95	12/10/2014	6.68	846.74		5/4/2015	5.39	848.03		11/2/2015	6.57	846.85	
MW-1D	851.68	853.14	10.0	809.58	799.58	12/10/2014	7.07	846.07	0.0159	5/4/2015	5.32	847.82	0.0048	11/2/2015	6.94	846.20	0.0154
MW-4S	852.06	854.58	10.0	847.26	837.26	12/11/2014	8.37	846.21		5/4/2015	6.62	847.96		11/2/2015	8.28	846.30	
MW-4D	852.08	854.63	10.0	812.18	802.18					5/4/2015	7.41	847.22	0.0181	11/2/2015	8.74	845.89	0.0105
MW-12S	846.73	849.17	10.0	843.73	833.73	12/11/2014	4.24	844.93		5/4/2015	3.79	845.38		11/2/2015	4.34	844.83	
MW-12D	846.52	848.31	5.0	828.52	823.52	12/11/2014	2.96	845.35	-0.0222	5/4/2015	2.19	846.12	-0.0382	11/2/2015	4.06	844.25	0.0308
MW-12B	847.01	849.40	5.0	811.01	806.01	12/11/2014	4.15	845.25	0.0057	5/4/2015	3.19	846.21	-0.0051	11/2/2015	4.11	845.29	-0.0594
MW-13S	847.67	850.91	10.0	844.67	834.67	12/11/2014	5.83	845.08		5/4/2015	4.98	845.93		11/2/2015	5.96	844.95	
MW-13D	847.40	850.02	5.0	823.40	818.40	12/11/2014	4.84	845.18	-0.0041	5/4/2015	3.92	846.10	-0.0068	11/2/2015	4.82	845.20	-0.0104
MW-15S	855.10	854.68	10.0	848.60	838.60	12/8/2014	9.32	845.36		5/4/2015	7.96	846.72		11/2/2015	9.39	845.29	
MW-15D	855.53	855.30	10.0	823.53	813.53	12/9/2014	9.91	845.39	-0.0011	5/4/2015	8.90	846.40	0.0114	11/2/2015	9.99	845.31	-0.0007
MW-15B	854.80	854.35	5.0	802.30	797.30	12/8/2014	10.46	843.89	0.0801	5/4/2015	13.61	840.74	0.3022	11/2/2015	14.25	840.10	0.2782
MW-101S	851.60	851.24	10.0	848.60	838.60	12/15/2014	5.31	845.93		5/4/2015	3.64	847.60		11/2/2015	5.32	845.92	
MW-101B	851.50	851.08	5.0	807.50	802.50	12/9/2014	5.46	845.62	0.0076	5/4/2015	4.33	846.75	0.0200	11/2/2015	5.52	845.56	0.0088
MW-102S	854.20	853.65	10.0	848.20	838.20	12/9/2014	7.41	846.24		5/4/2015	7.05	846.60		11/2/2015	8.58	845.07	
MW-102D	854.20	853.70	5.0	810.20	805.20	12/9/2014	8.39	845.31	0.0241	5/4/2015	7.32	846.38	0.0057	11/2/2015	8.29	845.41	-0.0091
MW-103S	849.40	851.84	10.0	845.40	835.40	12/8/2014	6.32	845.52		5/4/2015	5.49	846.35		11/2/2015	6.62	845.22	
MW-103D	849.30	851.97	5.0	830.30	825.30	12/8/2014	6.52	845.45	0.0040	5/4/2015	5.45	846.52	-0.0092	11/2/2015	6.29	845.68	-0.0264
MW-104S	850.90	850.56	10.0	845.90	835.90					5/4/2015	4.19	846.37		11/2/2015	4.59	845.97	
MW-104D	850.90	850.57	5.0	827.90	822.90					5/4/2015	4.06	846.51	-0.0067	11/2/2015	4.70	845.87	0.0049
MW-105S	846.40	849.01	10.0	843.40	833.40	12/10/2014	4.03	844.98		5/4/2015	3.38	845.63		11/2/2015	3.82	845.19	
MW-105D	846.30	848.90	5.0	824.30	819.30	12/10/2014	3.52	845.38	-0.0173	5/4/2015	2.80	846.10	-0.0197	11/2/2015	3.60	845.30	-0.0047
MW-105B	846.10	848.90	5.0	807.10	802.10	12/10/2014	2.82	846.08	-0.0407	5/4/2015	2.74	846.16	-0.0035	11/2/2015	3.84	845.06	0.0140
MW-106S	846.30	848.92	10.0	841.30	831.30					5/4/2015	3.81	845.11		11/2/2015	4.41	844.51	
MW-106D	846.30	849.01	5.0	797.30	792.30					5/4/2015	2.85	846.16	-0.0209	11/2/2015	3.71	845.30	-0.0159

Notes: ft = feet

ft bgs = feet below ground surface; ft MSL = feet above Mean Sea Level

ft btoc = feet below top of well casing

* = Water level not representative of site conditions because well casing filled to top with surface water.

**Table 2. Vertical Gradient Calculations
conomowoc Electroplating Company Inc. (OECI) Superfund Site Monitoring Well Nests**

Well ID	Ground Surface Elev. (ft MSL)	Top of Casing Elev. (ft MSL)	Screen Length (ft)	Top of Screen Elev. (ft MSL)	Bottom of Screen Elev. (ft MSL)	Date	Depth to GW (ft btoc)	GW Elev. (ft MSL)	Gradient + (Down) - (Up)	Date	Depth to GW (ft btoc)	GW Elev. (ft MSL)	Gradient + (Down) - (Up)	Date	Depth to GW (ft btoc)	GW Elev. (ft MSL)	Gradient + (Down) - (Up)
MW-1S	851.75	853.42	10.0	845.95	835.95	5/9/2016	5.57	847.85		10/31/2016	4.74	848.68		5/8/2017	4.92	848.50	
MW-1D	851.68	853.14	10.0	809.58	799.58	5/9/2016	5.07	848.07	-0.0051	10/31/2016	4.62	848.52	0.0036	5/8/2017	4.59	848.55	-0.0011
MW-4S	852.06	854.58	10.0	847.26	837.26	5/9/2016	6.71	847.87		10/31/2016	5.88	848.70		5/8/2017	5.98	848.60	
MW-4D	852.08	854.63	10.0	812.18	802.18	5/9/2016	7.37	847.26	0.0150	10/31/2016	6.20	848.43	0.0065	5/8/2017	6.33	848.30	0.0072
MW-12S	846.73	849.17	10.0	843.73	833.73	5/9/2016	4.00	845.17		10/31/2016	3.22	845.95		5/8/2017	3.42	845.75	
MW-12D	846.52	848.31	5.0	828.52	823.52	5/9/2016	2.44	845.87	-0.0366	10/31/2016	1.62	846.69	-0.0371	5/8/2017	1.63	846.68	-0.0471
MW-12B	847.01	849.40	5.0	811.01	806.01	5/9/2016	3.37	846.03	-0.0091	10/31/2016	2.65	846.75	-0.0034	5/8/2017	2.65	846.75	-0.0040
MW-13S	847.67	850.91	10.0	844.67	834.67	5/9/2016	5.16	845.75		10/31/2016	4.46	846.45		5/8/2017	4.45	846.46	
MW-13D	847.40	850.02	5.0	823.40	818.40	5/9/2016	4.20	845.82	-0.0028	10/31/2016	3.34	846.68	-0.0090	5/8/2017	3.33	846.69	-0.0090
MW-15S	855.10	854.68	10.0	848.60	838.60	5/9/2016	8.11	846.57		10/31/2016	7.06	847.62		5/8/2017	6.93	847.75	
MW-15D	855.53	855.30	10.0	823.53	813.53	5/9/2016	9.40	845.90	0.0239	10/31/2016	8.28	847.02	0.0206	5/8/2017	8.20	847.10	0.0222
MW-15B	854.80	854.35	5.0	802.30	797.30	5/9/2016	12.97	841.38	0.2413	10/31/2016	14.08	840.27	0.3604	5/8/2017	13.39	840.96	0.3278
MW-101S	851.60	851.24	10.0	848.60	838.60	5/9/2016	3.74	847.50		10/31/2016	2.88	848.36		5/8/2017	2.62	848.62	
MW-101B	851.50	851.08	5.0	807.50	802.50	5/9/2016	4.60	846.48	0.0240	10/31/2016	2.87	848.21	0.0035	5/8/2017	3.44	847.64	0.0225
MW-102S	854.20	853.65	10.0	848.20	838.20	5/9/2016	7.14	846.51		10/31/2016	6.02	847.63		5/8/2017	5.94	847.71	
MW-102D	854.20	853.70	5.0	810.20	805.20	5/9/2016	7.56	846.14	0.0095	10/31/2016	6.80	846.90	0.0183	5/8/2017	6.51	847.19	0.0130
MW-103S	849.40	851.84	10.0	845.40	835.40	5/9/2016	5.61	846.23		10/31/2016	4.97	846.87		5/8/2017	5.24	846.60	
MW-103D	849.30	851.97	5.0	830.30	825.30	5/9/2016	5.65	846.32	-0.0049	10/31/2016	4.86	847.11	-0.0126	5/8/2017	5.02	846.95	-0.0186
MW-104S	850.90	850.56	10.0	845.90	835.90	5/9/2016	4.27	846.29		10/31/2016	3.67	846.89		5/8/2017	3.89	846.67	
MW-104D	850.90	850.57	5.0	827.90	822.90	5/9/2016	4.46	846.11	0.0086	10/31/2016	3.55	847.02	-0.0060	5/8/2017	3.75	846.82	-0.0071
MW-105S	846.40	849.01	10.0	843.40	833.40	5/9/2016	3.50	845.51		10/31/2016	2.99	846.02		5/8/2017	3.10	845.91	
MW-105D	846.30	848.90	5.0	824.30	819.30	5/9/2016	2.95	845.95	-0.0186	10/31/2016	2.32	846.58	-0.0231	5/8/2017	2.25	846.65	-0.0307
MW-105B	846.10	848.90	5.0	807.10	802.10	5/9/2016	2.91	845.99	-0.0023	10/31/2016	2.08	846.82	-0.0140	5/8/2017	2.12	846.78	-0.0076
MW-106S	846.30	848.92	10.0	841.30	831.30	5/9/2016	4.19	844.73		10/31/2016	3.09	845.83		5/8/2017	3.30	845.62	
MW-106D	846.30	849.01	5.0	797.30	792.30	5/9/2016	3.12	845.89	-0.0232	10/31/2016	2.24	846.77	-0.0184	5/8/2017	2.25	846.76	-0.0224

Notes: ft = feet

ft bgs = feet below ground surface; ft MSL = feet above Mean Sea Level

ft btoc = feet below top of well casing

* = Water level not representative of site conditions because well casing is not screened

**Table 2. Vertical Gradient Calculations
conomowoc Electroplating Company Inc. (OECI) Superfund Site Monitoring Well Nests**

Well ID	Ground Surface Elev. (ft MSL)	Top of Casing Elev. (ft MSL)	Screen Length (ft)	Top of Screen Elev. (ft MSL)	Bottom of Screen Elev. (ft MSL)	Date	Depth to GW (ft btoc)	GW Elev. (ft MSL)	Gradient + (Down) - (Up)	Date	Depth to GW (ft btoc)	GW Elev. (ft MSL)	Gradient + (Down) - (Up)	Date	Depth to GW (ft btoc)	GW Elev. (ft MSL)	Gradient + (Down) - (Up)
MW-1S	851.75	853.42	10.0	845.95	835.95	11/28/2017	6.37	847.05		11/6/2018	4.52	848.90		11/30/2021	7.79	845.63	
MW-1D	851.68	853.14	10.0	809.58	799.58	11/28/2017	6.73	846.41	0.0151	11/6/2018	4.69	848.45	0.0102	11/30/2021	7.62	845.52	0.0027
MW-4S	852.06	854.58	10.0	847.26	837.26	11/28/2017	7.88	846.70		11/6/2018	5.78	848.80		11/30/2021	9.22	845.36	
MW-4D	852.08	854.63	10.0	812.18	802.18	11/28/2017	8.26	846.37	0.0084	11/6/2018	6.01	848.62	0.0043	11/30/2021	9.46	845.17	0.0050
MW-12S	846.73	849.17	10.0	843.73	833.73	11/28/2017	4.12	845.05		11/6/2018	3.12	846.05		11/30/2021	5.01	844.16	
MW-12D	846.52	848.31	5.0	828.52	823.52	11/28/2017	2.22	846.09	-0.0547	11/6/2018	1.39	846.92	-0.0434	11/30/2021	3.99	844.32	-0.0088
MW-12B	847.01	849.40	5.0	811.01	806.01	11/28/2017	3.77	845.63	0.0263	11/6/2018	2.41	846.99	-0.0040	11/30/2021	4.98	844.42	-0.0057
MW-13S	847.67	850.91	10.0	844.67	834.67	11/28/2017	5.61	845.30		11/6/2018	4.32	846.59		11/30/2021	6.88	844.03	
MW-13D	847.40	850.02	5.0	823.40	818.40	11/28/2017	4.48	845.54	-0.0098	11/6/2018	3.15	846.87	-0.0109	11/30/2021	5.65	844.37	-0.0147
MW-15S	855.10	854.68	10.0	848.60	838.60	11/28/2017	8.88	845.80		11/6/2018	7.33	847.35		11/30/2021	9.94	844.74	
MW-15D	855.53	855.30	10.0	823.53	813.53	11/28/2017	9.54	845.76	0.0015	11/6/2018	8.06	847.24	0.0038	11/30/2021	10.94	844.36	0.0145
MW-15B	854.80	854.35	5.0	802.30	797.30	11/28/2017	12.90	841.45	0.2301	11/6/2018	0.00*	854.35	-0.1499	11/30/2021	9.83	844.52	-0.0036
MW-101S	851.60	851.24	10.0	848.60	838.60	11/28/2017	4.86	846.38		11/6/2018	2.70	848.54		11/30/2021	6.01	845.23	
MW-101B	851.50	851.08	5.0	807.50	802.50	11/28/2017	5.09	845.99	0.0094	11/6/2018	3.29	847.79	0.0172	11/30/2021	6.11	844.97	0.0065
MW-102S	854.20	853.65	10.0	848.20	838.20	11/28/2017	8.04	845.61		11/6/2018	6.14	847.51		11/30/2021	9.13	844.52	
MW-102D	854.20	853.70	5.0	810.20	805.20	11/28/2017	8.00	845.70	-0.0024	11/6/2018	6.35	847.35	0.0040	11/30/2021	8.21	845.49	-0.0263
MW-103S	849.40	851.84	10.0	845.40	835.40	11/28/2017	6.39	845.45		11/6/2018	4.44	847.40		11/30/2021	7.59	844.25	
MW-103D	849.30	851.97	5.0	830.30	825.30	11/28/2017	6.15	845.82	-0.0210	11/6/2018	4.35	847.62	-0.0112	11/30/2021	7.33	844.64	-0.0237
MW-104S	850.90	850.56	10.0	845.90	835.90	11/28/2017	4.32	845.95		11/6/2018	3.14	847.13		11/30/2021	5.55	845.01	
MW-104D	850.90	850.57	5.0	827.90	822.90	11/28/2017	4.21	846.01	-0.0029	11/6/2018	2.90	847.32	-0.0087	11/30/2021	5.11	845.46	-0.0229
MW-105S	846.40	849.01	10.0	843.40	833.40	11/28/2017	3.70	845.31		11/6/2018	2.90	846.11		11/30/2021	5.19	843.82	
MW-105D	846.30	848.90	5.0	824.30	819.30	11/28/2017	3.29	845.61	-0.0128	11/6/2018	1.98	846.92	-0.0333	11/30/2021	4.51	844.39	-0.0259
MW-105B	846.10	848.90	5.0	807.10	802.10	11/28/2017	3.32	845.58	0.0017	11/6/2018	2.30	846.60	0.0186	11/30/2021	4.53	844.37	0.0012
MW-106S	846.30	848.92	10.0	841.30	831.30	11/28/2017	4.16	844.76		11/6/2018	2.86	846.06		11/30/2021	5.15	843.77	
MW-106D	846.30	849.01	5.0	797.30	792.30	11/28/2017	3.36	845.65	-0.0178	11/6/2018	1.99	847.02	-0.0187	11/30/2021	4.63	844.38	-0.0125

Notes: ft = feet

ft bgs = feet below ground surface; ft MSL = feet above Mean Sea Level

ft btoc = feet below top of well casing

* = Water level not representative of site conditions because well casing was not fully screened

Table 3. Groundwater Quality Data, Oconomowoc Electroplating Company Inc. (OECI) Superfund Site Monitoring Wells

	Date Sampled:		12/10/2014	5/5/2015	11/03/2015	5/10/2016	11/3/2016	5/10/2017	11/30/2017	11/12/2018	12/1/2021	12/10/2014	5/5/2015	
	Units	NR140 ES	NR140 PAL	MW-1S	MW-1S	MW-1S	MW-1S	MW-1S	MW-1S	MW-1S	MW-1S	MW-1D	MW-1D	
Field Parameters														
Dissolved Oxygen (DO)	mg/L	--	--	0.97	0.71	0.46	0.00	0.01	3.30	0.00	0.79	1.47	10.96	0.00
Oxidation Reduction Potential	millivolts	--	--	38	72	69	38	-53	-43	15	-100	76.9	-155	-107
pH	pH-units	--	--	7.33	6.80	7.09	6.95	7.13	7.36	7.22	7.02	7.52	7.66	7.48
Specific Conductivity	umhos/cm	--	--	1020	1400	1380	1110	986	895	891	1089	1206.4	505	638
Temperature	deg-C	--	--	9.32	8.08	17.22	9.95	9.92	16.12	17.87	10.68	11.19	10.67	9.52
Turbidity	ntu	--	--	0.	10.2	0.	9.	0.	0.	0.	10.3	182.04	0.	6.
Natural Attenuation Parameters														
Alkalinity, total (as CaCO ₃)	mg/L	--	--	340.	350.	380.	350.	350.	370.	410.	400.	350.	350.	330.
Chloride (as Cl)	mg/L	250.	125.	240.	190.	230.	160.	150.	150.	220.	200.	220.	7.8	5.9
Iron, total (unfiltered)	mg/L	--	--	0.473	0.183	<0.02 U	2.32	35 M	1.23	1.17	2.12	1.76	3.14	2.15 M
Iron, dissolved (filtered)	mg/L	0.3	0.15	<0.010 U	0.0673	0.406	0.406	0.532	0.945	0.0924J	0.985	0.969	3.07	1.76
Manganese, total (unfiltered)	µg/L	--	--	44.1	131.	76.7 Y,M	206.	124.	75.7	111.	79.8	349.	18.2	18.7
Manganese, dissolved (filtered)	µg/L	50.	25.	16.4	129.	97.2	196.	96.9	70.8	89.3	83.3	356.	20.7	21.6
Nitrate Nitrogen, total	mg/L	10.	2.	NA	NA	NA	NA	NA	NA	NA	NA	<0.12	NA	NA
Acetylene	µg/L	--	--	<0.23 U	<0.23 UM,Y	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	NA	<0.23 UM	<0.23 U
Ethane	µg/L	--	--	<0.60 U	<0.60 UY	<0.9 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.38	0.75 J	<0.60 U
Ethene	µg/L	--	--	<0.90 U	<0.90 U	<1.2 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<1.2 U	<0.59	<0.90 U	<0.90 U
Methane	µg/L	--	--	2.2	16 M	8.2	18.	5.7	2.1	1.7	3.3	12.	1500 M	560.
Sulfate(as SO ₄)	mg/L	250.	125.	50.	50.	49.	53.	46.	50.	63.	33.	44.	<1.0 U	<1.0 U
Total Organic Carbon	mg/L	--	--	1.4 J	1.2 J	1.7	1.8	1.4 J	2.6	1.6J	0.8 J	1.9	<0.40 U	0.52 JY
VOCs														
1,1,1,2-Tetrachloroethane	µg/L	70.	7.	<0.030 U	<0.030 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.030 U	<0.030 U
1,1,1-Trichloroethane	µg/L	200.	40.	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.013	<0.030 U	<0.030 U
1,1,2,2-Tetrachloroethane	µg/L	0.2	0.02	<0.020 U	<0.020 U	<0.02 U	<0.020 U	<0.017 U	<0.017 U	<0.017 U	<0.017 U	<0.015	<0.020 U	<0.020 U
1,1,2-Trichloroethane	µg/L	5.	0.5	<0.070 U	<0.070 U	<0.05 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.036	<0.070 U	<0.070 U
1,1-Dichloroethane	µg/L	850.	85.	0.15	0.31	0.11 J	0.24	0.095 J	<0.060 U	<0.060 U	<0.060 U	0.023	<0.024 U	<0.024 U
1,1-Dichloroethene	µg/L	7.	0.7	<0.024 U	<0.024 U	<0.07 U	<0.070 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.024	<0.024 U	<0.024 U
1,1-Dichloropropene	µg/L	--	--	<0.080 U	<0.080 U	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.074	<0.080 U	<0.080 U
1,2,3-Trichlorobenzene	µg/L	--	--	<0.040 U	<0.040 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.019	<0.040 U	<0.040 U
1,2,3-Trichloropropane	µg/L	60.	12.	<0.080 U	<0.080 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.031	<0.080 U	<0.080 U
1,2,4-Trichlorobenzene	µg/L	70.	14.	<0.029 U	<0.029 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.022	<0.029 U	<0.029 U
1,2,4-Trimethylbenzene	µg/L	480.	96.	<0.024 U	<0.024 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.011	<0.024 U	<0.024 U
1,2-Dibromo-3-chloropropane	µg/L	0.2	0.02	<0.050 U	<0.050 U	<0.03 U	<0.030 U	<0.090 U	<0.090 U	<0.090 U	<0.090 U	<0.12	<0.050 U	<0.050 U
1,2-Dibromoethane	µg/L	0.05	0.005	<0.040 U	<0.040 U	<0.04 U	<0.040 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.029	<0.040 U	<0.040 U
1,2-Dichlorobenzene	µg/L	600.	60.	<0.025 U	<0.025 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.016	<0.025 U	<0.025 U
1,2-Dichloroethane	µg/L	5.	0.5	<0.024 U	<0.024 U	<0.04 U	<0.040 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.017	<0.024 U	<0.024 U
1,2-Dichloropropane	µg/L	5.	0.5	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.013	<0.030 U	<0.030 U
1,3,5-Trimethylbenzene	µg/L	480.	96.	<0.022 U	<0.022 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.013	<0.022 U	<0.022 U
1,3-Dichlorobenzene	µg/L	600.	120.	<0.021 U	<0.021 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.021 U	<0.021 U
1,3-Dichloropropane	µg/L	--	--	<0.040 U	<0.040 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.020	<0.040 U	<0.040 U
1,4-Dichlorobenzene	µg/L	75.	15.	<0.026 U	<0.026 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.017	<0.026 U	<0.026 U
1,4-Dioxane	µg/L	3.	0.3	NA	NA	NA	NA	<7.0 U	<7.0 U	<7.0 U	<7.0 U	<7.0 Z,Q	NA	NA
2,2-Dichloropropane	µg/L	--	--	<0.022 U	<0.022 U	<0.04 U	<0.040 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.075	<0.022 U	<0.022 U
2-Butanone (MEK)	µg/L	4000.	800.	<0.80 U	<0.80 U	<0.8 U	<0.80 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.31	<0.80 U	<0.80 U
2-Chlorotoluene	µg/L	--	--	<0.025 U	<0.025 U	<0.06 U	<0.060 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.20	<0.025 U	<0.025 U
2-Hexanone	µg/L	--	--	<0.40 U	<0.40 U	<0.4 U	<0.40 U	<0.24 U	<0.24 U	<0.24 U	<0.24 U	<0.15	<0.40 U	<0.40 U
4-Chlorotoluene	µg/L	--	--	<0.029 U	<0.029 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.029 U	<0.029 U
4-Methyl-2-pentanone (MIBK)	µg/L	500.	50.	<0.26 U	<0.26 U	<0.4 U	<0.40 U	<0.24 U	<0.24 U	<0.24 U	<0.24 U	<0.19	<0.26 U	<0.26 U

Table 3. Groundwater Quality Data, Oconomowoc Electroplating Company Inc. (OECI) Superfund Site Monitoring Wells

	Date Sampled:		12/10/2014	5/5/2015	11/03/2015	5/10/2016	11/3/2016	5/10/2017	11/30/2017	11/12/2018	12/1/2021	12/10/2014	5/5/2015	
	Units	NR140 ES	NR140 PAL	MW-1S	MW-1S	MW-1S	MW-1S	MW-1S	MW-1S	MW-1S	MW-1S	MW-1D	MW-1D	
Acetone	µg/L	9000.	1800.	<1.3 UZ	<1.3 UZ	<0.9 U	<0.90 U	5 B	5.1 B	<0.30 U	<0.30 U	1.5	<1.3 UZ	<1.3 UZ
Benzene	µg/L	5.	0.5	<0.019 U	<0.019 U	<0.06 U	<0.060 U	<0.018 U	<0.018 U	<0.018 U	<0.018 U	<0.022	<0.019 U	0.092
Bromobenzene	µg/L	--	--	<0.030 U	<0.030 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.018	<0.030 U	<0.030 U
Bromochloromethane	µg/L	--	--	<0.090 U	<0.090 U	<0.017 U	<0.017 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.034	<0.090 U	<0.090 U
Bromodichloromethane	µg/L	0.6	0.06	<0.018 U	<0.018 U	<0.017 U	<0.017 U	<0.016 U	<0.016 U	<0.016 U	<0.016 U	<0.019	<0.018 U	<0.018 U
Bromoform	µg/L	4.4	0.44	<0.060 U	<0.060 U	<0.018 U	<0.018 U	<0.040 UZ	<0.040 U	<0.040 U	<0.040 U	<0.041	<0.060 U	<0.060 U
Bromomethane	µg/L	10.	1.	<0.070 U	<0.070 U	<0.09 U	<0.090 U	<0.080 U	<0.080 U	<0.080 UZ	<0.080 UY	<0.052	<0.070 U	<0.070 U
Carbon disulfide	µg/L	1000.	200.	<0.080 U	<0.080 U	<0.11 U	<0.11 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.11	<0.080 U	<0.080 U
Carbon tetrachloride	µg/L	5.	0.05	<0.029 U	<0.029 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.018	<0.029 U	<0.029 U
Chlorobenzene	µg/L	--	--	<0.024 U	<0.024 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.024 U	<0.024 U
Chloroethane	µg/L	400.	80.	<0.040 U	<0.040 U	<0.06 U	<0.060 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.40	<0.040 U	<0.040 U
Chloroform	µg/L	6.	0.6	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.016	<0.030 U	<0.030 U
Chloromethane	µg/L	30.	3.	<0.040 UB	<0.040 U	<0.05 U	<0.050 U	<0.040 U	0.1 JB	<0.040 U	0.064 J	<0.045	0.088 JB	<0.040 U
cis-1,2-Dichloroethene	µg/L	70.	7.	<0.030 U	0.062 J	<0.06 U	0.11 J	0.14 J	<0.070 U	<0.070 U	<0.070 U	<0.023	<0.030 U	<0.030 U
cis-1,3-Dichloropropene	µg/L	0.4	0.04	<0.020 U	<0.020 U	<0.015 U	<0.015 U	<0.011 U	<0.011 U	<0.011 U	<0.011 U	<0.014	<0.020 U	<0.020 U
Dibromochloromethane	µg/L	60.	6.	<0.040 U	<0.040 U	<0.016 U	<0.016 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.016	<0.040 U	<0.040 U
Dibromomethane	µg/L	--	--	<0.040 U	<0.040 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.018	<0.040 U	<0.040 U
Dichlorodifluoromethane	µg/L	1000.	200.	<0.11 U	<0.11 U	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.091	<0.11 U	<0.11 U
Diisopropyl ether	µg/L	--	--	<0.021 U	<0.021 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.02	<0.021 U	<0.021 U
Ethylbenzene	µg/L	700.	140.	<0.019 U	<0.019 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.014	0.091	0.037 J
Hexachlorobutadiene	µg/L	--	--	<0.070 U	<0.070 U	<0.07 U	<0.070 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.027	<0.070 U	<0.070 U
Isopropylbenzene	µg/L	--	--	<0.060 U	<0.060 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.014	0.13 J	<0.060 U
m & p-Xylene	µg/L	2000.	400.	<0.050 U	<0.050 U	<0.12 U	<0.12 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.022	0.11 J	0.067 J
Methyl tert-butyl ether	µg/L	60.	12.	<0.040 U	<0.040 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.014	<0.040 U	<0.040 U
Methylene chloride	µg/L	5.	0.5	<0.15 U	<0.15 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 UYQ	<0.090	<0.15 U	<0.15 U
Naphthalene	µg/L	100.	10.	<0.040 U	<0.040 U	<0.05 U	<0.050 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.025	0.066 J	0.055 J
n-Butylbenzene	µg/L	--	--	<0.021 U	<0.021 U	<0.05 U	<0.050 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.021	<0.021 U	<0.021 U
n-Propylbenzene	µg/L	--	--	<0.022 U	<0.022 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.022 U	<0.022 U
o-Xylene	µg/L	2000.	400.	<0.027 U	<0.027 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.016	0.033 J	0.029 J
p-Isopropyltoluene	µg/L	--	--	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.016	<0.030 U	<0.030 U
sec-Butylbenzene	µg/L	--	--	<0.024 U	<0.024 U	<0.05 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.012	<0.024 U	<0.024 U
Styrene	µg/L	100.	10.	<0.020 U	<0.020 U	<0.05 U	<0.050 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.014	0.19	0.092
tert-Butylbenzene	µg/L	--	--	<0.025 U	<0.025 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.025 U	<0.025 U
Tetrachloroethene	µg/L	5.	0.05	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.028	<0.030 U	<0.030 U
Tetrahydrofuran	µg/L	50.	10.	<0.70 U	<0.70 U	<0.6 U	0.74 JB,Z	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.38	<0.70 U	<0.70 U
Toluene	µg/L	800.	160.	<0.027 U	<0.027 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.014	0.051 J	0.04 J
trans-1,2-Dichloroethene	µg/L	100.	20.	<0.040 U	<0.040 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.020	<0.040 U	<0.040 U
trans-1,3-Dichloropropene	µg/L	0.4	0.04	<0.018 U	<0.018 U	<0.014 U	<0.014 U	<0.019 U	<0.019 U	<0.019 U	<0.019 U	<0.020	<0.018 U	<0.018 U
Trichloroethene	µg/L	5.	0.5	0.021 J	0.05 J	<0.03 U	0.061 J	0.15 J	0.15 J	<0.050 U	0.17	0.035	<0.020 U	<0.020 U
Trichlorofluoromethane	µg/L	--	--	<0.024 U	<0.024 U	<0.05 U	<0.050 U	<0.090 U	<0.090 U	<0.090 U	<0.090 U	<0.033	<0.024 U	<0.024 U
Vinyl acetate	µg/L	--	--	<0.60 U	<0.60 U	<0.5 U	<0.50 U	<0.22 U	<0.22 U	<0.22 U	<0.22 U	<0.14	<0.60 U	<0.60 U
Vinyl chloride	µg/L	0.2	0.02	<0.019 U	<0.019 U	<0.016 U	<0.016 U	<0.019 U	<0.019 U	<0.019 U	<0.019 U	<0.019	0.12	0.076

Table 3. Groundwater Quality Data, Oconomowoc Electroplating Company Inc. (OECI) Superfund Site Monitoring Wells

	Date Sampled:			11/03/2015	5/10/2016	11/3/2016	5/10/2017	11/30/2017	12/12/2018	12/1/2021	12/11/2014	5/6/2015	11/04/2015	5/18/2016
	Units	NR140 ES	NR140 PAL	MW-1D	MW-1D	MW-1D	MW-1D	MW-1D	MW-1D	MW-1D	MW-2D	MW-2D	MW-2D	MW-2D
Field Parameters														
Dissolved Oxygen (DO)	mg/L	--	--	1.26	0.27	0.72	0.09	0.00	0.44	0.57	0.17	7.22	0.46	0.00
Oxidation Reduction Potential	millivolts	--	--	-133	-74	-144	-124	-116	-167	-80.4	-100	68	-111	25
pH	pH-units	--	--	8.33	7.42	7.48	7.54	8.27	7.31	7.88	7.39	7.36	7.80	7.03
Specific Conductivity	umhos/cm	--	--	531	613	562	0.504	511	613	530.81	1050	960	782	1020
Temperature	deg-C	--	--	15.81	11.39	8.33	14.61	17.11	9.55	11.40	8.29	11.13	21.16	12.13
Turbidity	ntu	--	--	0.	1.6	0.	0.	0.	0.	202.78	0.	0.6	2.8	0.
Natural Attenuation Parameters														
Alkalinity, total (as CaCO ₃)	mg/L	--	--	370.	370.	380.	380.	380.	390.	320.	380.	350.	380.	390.
Chloride (as Cl)	mg/L	250.	125.	5.8	5.6	5.9	6.4	5.1	5.1	5.2	360.	180.	180.	200.
Iron, total (unfiltered)	mg/L	--	--	3.14	1.67	2.98	2.5	2.01	3.06	2.34	2.81	0.243	2.6	0.423
Iron, dissolved (filtered)	mg/L	0.3	0.15	2.88	1.47	2.9	2.36	1.79	2.9	2.63	2.31	0.0235 J	2.52	0.34
Manganese, total (unfiltered)	µg/L	--	--	18.2	13.8	18.7	8.7J	5.8 J	17.1	18.5	21.9	6.1	28.2	19.3
Manganese, dissolved (filtered)	µg/L	50.	25.	22.8	14.9	18.	9.6	5.8 J	17.9	19.1	23.5	5.4	22.8	15.8
Nitrate Nitrogen, total	mg/L	10.	2.	NA	NA	NA	NA	NA	NA	0.16	NA	NA	NA	NA
Acetylene	µg/L	--	--	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	NA	<0.23 U	<0.23 U	<0.23 U	<0.23 U
Ethane	µg/L	--	--	<0.9 U	<0.40 U	0.6 J	<0.40U	<0.40 U	<0.40 U	<0.38	<0.60 U	<0.60 U	<0.9 U	<0.40 U
Ethene	µg/L	--	--	<1.2 U	<0.50 U	<0.50 U	<0.50U	<0.50 U	<1.2 U	<0.59	<0.90 U	<0.90 U	<1.2 U	<0.50 U
Methane	µg/L	--	--	1900.	770.	110.	160.	170.	240.	1300.	180.	2.6	120.	68.
Sulfate(as SO ₄)	mg/L	250.	125.	<1 U	0.55 J	<1.0 U	<1.0U	<1.0 U	1.3 J	1.0	48.	44.	40.	45.
Total Organic Carbon	mg/L	--	--	0.46 J	1.2 J	<0.50 U	<0.50U	2.	<0.40 U	<0.4	2.1	0.61 J	1.1 J	2.8 Y
VOCs														
1,1,1,2-Tetrachloroethane	µg/L	70.	7.	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.030 U	<0.030 U	<0.05 U	<0.050 U
1,1,1-Trichloroethane	µg/L	200.	40.	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.013	<0.030 U	<0.030 U	<0.06 U	<0.060 U
1,1,2,2-Tetrachloroethane	µg/L	0.2	0.02	<0.02 U	<0.020 U	<0.017 U	<0.017 U	<0.017 U	<0.017 U	<0.015	<0.020 U	<0.020 U	<0.02 U	<0.020 U
1,1,2-Trichloroethane	µg/L	5.	0.5	<0.05 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.036	<0.070 U	<0.070 U	<0.05 U	<0.050 U
1,1-Dichloroethane	µg/L	850.	85.	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.017	0.24	0.18	0.22	0.13 J
1,1-Dichloroethene	µg/L	7.	0.7	<0.07 U	<0.070 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.024	<0.024 U	<0.024 U	<0.07 U	<0.070 U
1,1-Dichloropropene	µg/L	--	--	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.074	<0.080 U	<0.080 U	<0.06 U	<0.060 U
1,2,3-Trichlorobenzene	µg/L	--	--	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.019	<0.040 U	<0.040 U	<0.05 U	<0.050 U
1,2,3-Trichloropropane	µg/L	60.	12.	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.031	<0.080 U	<0.080 U	<0.04 U	<0.040 U
1,2,4-Trichlorobenzene	µg/L	70.	14.	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.022	<0.029 U	<0.029 U	<0.04 U	<0.040 U
1,2,4-Trimethylbenzene	µg/L	480.	96.	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.011	<0.024 U	<0.024 U	<0.05 U	<0.050 U
1,2-Dibromo-3-chloropropane	µg/L	0.2	0.02	<0.03 U	<0.030 U	<0.090 U	<0.090 U	<0.090 U	<0.090 U	<0.12	<0.050 U	<0.050 U	<0.03 U	<0.030 U
1,2-Dibromoethane	µg/L	0.05	0.005	<0.04 U	<0.040 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.029	<0.040 U	<0.040 U	<0.04 U	<0.040 U
1,2-Dichlorobenzene	µg/L	600.	60.	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.016	<0.025 U	<0.025 U	<0.06 U	<0.060 U
1,2-Dichloroethane	µg/L	5.	0.5	<0.04 U	<0.040 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.017	<0.024 U	<0.024 U	<0.04 U	<0.040 U
1,2-Dichloropropane	µg/L	5.	0.5	<0.06 U	<0.060 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.013	<0.030 U	<0.030 U	<0.06 U	<0.060 U
1,3,5-Trimethylbenzene	µg/L	480.	96.	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.013	<0.022 U	<0.022 U	<0.06 U	<0.060 U
1,3-Dichlorobenzene	µg/L	600.	120.	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	0.12	<0.021 U	<0.06 U	<0.060 U
1,3-Dichloropropane	µg/L	--	--	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.020	<0.040 U	<0.040 U	<0.04 U	<0.040 U
1,4-Dichlorobenzene	µg/L	75.	15.	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.017	<0.026 U	<0.026 U	<0.05 U	<0.050 U
1,4-Dioxane	µg/L	3.	0.3	NA	NA	<7.0 U	<7.0 U	<7.0 U	<7.0 U	<7.0	NA	NA	NA	NA
2,2-Dichloropropane	µg/L	--	--	<0.04 U	<0.040 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.075	<0.022 U	<0.022 U	<0.04 U	<0.040 U
2-Butanone (MEK)	µg/L	4000.	800.	<0.8 U	<0.80 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.31	<0.80 U	<0.80 U	<0.8 U	<0.80 U
2-Chlorotoluene	µg/L	--	--	<0.06 U	<0.060 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.020	<0.025 U	<0.025 U	<0.06 U	<0.060 U
2-Hexanone	µg/L	--	--	<0.4 U	<0.40 U	<0.24 U	<0.24 U	<0.24 U	<0.24 U	<0.015	<0.40 U	<0.40 U	<0.4 U	<0.40 U
4-Chlorotoluene	µg/L	--	--	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.029 U	<0.029 U	<0.05 U	<0.050 U
4-Methyl-2-pentanone (MIBK)	µg/L	500.	50.	<0.4 U	<0.40 U	<0.24 U	<0.24 U	<0.24 U	<0.24 U	<0.19	<0.26 U	<0.26 U	<0.4 U	<0.40 U

Table 3. Groundwater Quality Data, Oconomowoc Electroplating Company Inc. (OECI) Superfund Site Monitoring Wells

	Date Sampled:			11/03/2015	5/10/2016	11/3/2016	5/10/2017	11/30/2017	12/12/2018	12/1/2021	12/11/2014	5/6/2015	11/04/2015	5/18/2016
	Units	NR140 ES	NR140 PAL	MW-1D	MW-1D	MW-1D	MW-1D	MW-1D	MW-1D	MW-1D	MW-2D	MW-2D	MW-2D	MW-2D
Acetone	µg/L	9000.	1800.	<0.9 U	<0.90 U	<0.30 U	0.34 JB	<0.30 U	0.33 JB	<0.84	<1.3 UZ	<1.3 UZ	<0.9 U	<0.90 U
Benzene	µg/L	5.	0.5	<0.06 U	<0.060 U	0.032 J	0.091	0.034J	0.06	<0.022	<0.019 U	<0.019 U	<0.06 U	<0.060 U
Bromobenzene	µg/L	--	--	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.018	<0.030 U	<0.030 U	<0.04 U	<0.040 U
Bromochloromethane	µg/L	--	--	<0.017 U	<0.017 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.034	<0.090 U	<0.090 U	<0.017 U	<0.017 U
Bromodichloromethane	µg/L	0.6	0.06	<0.017 U	<0.017 U	<0.016 U	<0.016 U	<0.016 U	<0.016 U	<0.019	<0.018 U	<0.018 U	<0.017 U	<0.017 U
Bromoform	µg/L	4.4	0.44	<0.018 U	<0.018 U	<0.040 UZ	<0.040 U	<0.040 U	<0.040 U	<0.041	<0.060 U	<0.060 U	<0.018 U	<0.018 U
Bromomethane	µg/L	10.	1.	<0.09 U	<0.090 U	<0.080 U	<0.080 U	<0.080 UZ	<0.080 UY	<0.052	<0.070 U	<0.070 U	<0.09 U	<0.090 U
Carbon disulfide	µg/L	1000.	200.	<0.11 U	<0.11 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.11	<0.080 U	<0.080 U	<0.11 U	<0.11 U
Carbon tetrachloride	µg/L	5.	0.05	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.018	<0.029 U	<0.029 U	<0.06 U	<0.060 U
Chlorobenzene	µg/L	--	--	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.024 U	<0.024 U	<0.04 U	<0.040 U
Chloroethane	µg/L	400.	80.	<0.06 U	<0.060 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.40	<0.040 U	<0.040 U	<0.06 U	<0.060 U
Chloroform	µg/L	6.	0.6	<0.06 U	<0.060 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.16	<0.030 U	<0.030 U	<0.06 U	<0.060 U
Chloromethane	µg/L	30.	3.	<0.05 U	<0.050 U	<0.040 U	0.041 JB	<0.040 U	0.078 J	<0.045	0.099 JB	<0.040 U	<0.05 U	0.13 J
cis-1,2-Dichloroethene	µg/L	70.	7.	<0.06 U	<0.060 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.023	0.43	0.13	0.44	0.24
cis-1,3-Dichloropropene	µg/L	0.4	0.04	<0.015 U	<0.015 U	<0.011 U	<0.011 U	<0.011 U	<0.011 U	<0.014	<0.020 U	<0.020 U	<0.015 U	<0.015 U
Dibromochloromethane	µg/L	60.	6.	<0.016 U	<0.016 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.016	<0.040 U	<0.040 U	<0.016 U	<0.016 U
Dibromomethane	µg/L	--	--	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.018	<0.040 U	<0.040 U	<0.06 U	<0.060 U
Dichlorodifluoromethane	µg/L	1000.	200.	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.091	<0.11 U	<0.11 U	<0.06 U	<0.060 U
Diisopropyl ether	µg/L	--	--	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.02	<0.021 U	<0.021 U	<0.04 U	<0.040 U
Ethylbenzene	µg/L	700.	140.	0.067 J	<0.060 U	0.066 J	0.04 J	<0.040 U	0.057 J	<0.014	<0.019 U	<0.019 U	<0.06 U	<0.060 U
Hexachlorobutadiene	µg/L	--	--	<0.07 U	<0.070 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.027	<0.070 U	<0.070 U	<0.07 U	<0.070 U
Isopropylbenzene	µg/L	--	--	0.071 J	0.050 J	0.078 J	0.043 J	0.041 J	0.078 J	0.082	<0.060 U	<0.060 U	<0.05 U	<0.050 U
m & p-Xylene	µg/L	2000.	400.	<0.12 U	<0.12 U	0.082 J	<0.070 U	<0.070 U	<0.070 U	0.052	<0.050 U	<0.050 U	<0.12 U	<0.12 U
Methyl tert-butyl ether	µg/L	60.	12.	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.014	0.087 J	<0.040 U	0.084 J	0.095 J
Methylene chloride	µg/L	5.	0.5	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 UYQ	<0.090	<0.15 U	<0.15 U	<0.06 U	<0.060 U
Naphthalene	µg/L	100.	10.	0.065 J	<0.050 U	0.043 J	0.044 J	<0.030 U	<0.030 U	<0.025	<0.040 U	<0.040 U	<0.05 U	<0.050 U
n-Butylbenzene	µg/L	--	--	<0.05 U	<0.050 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.021	<0.021 U	<0.021 U	<0.05 U	<0.050 U
n-Propylbenzene	µg/L	--	--	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.022 U	<0.022 U	<0.05 U	<0.050 U
o-Xylene	µg/L	2000.	400.	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.016	<0.027 U	<0.027 U	<0.05 U	<0.050 U
p-Isopropyltoluene	µg/L	--	--	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.016	<0.030 U	<0.030 U	<0.06 U	<0.060 U
sec-Butylbenzene	µg/L	--	--	<0.05 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.012	<0.024 U	<0.024 U	<0.05 U	<0.050 U
Styrene	µg/L	100.	10.	0.19	0.089 J	0.17	0.078 J	0.076J	0.16	0.13	<0.020 U	<0.020 U	<0.05 U	<0.050 U
tert-Butylbenzene	µg/L	--	--	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.025 U	<0.025 U	<0.06 U	<0.060 U
Tetrachloroethene	µg/L	5.	0.05	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.028	<0.030 U	<0.030 U	<0.06 U	<0.060 U
Tetrahydrofuran	µg/L	50.	10.	<0.6 U	<0.60 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.38	<0.70 U	<0.70 U	<0.6 U	0.98 JB
Toluene	µg/L	800.	160.	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	0.04	<0.027 U	<0.027 U	<0.06 U	<0.060 U
trans-1,2-Dichloroethene	µg/L	100.	20.	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.020	0.044 J	<0.040 U	0.15 J	<0.060 U
trans-1,3-Dichloropropene	µg/L	0.4	0.04	<0.014 U	<0.014 U	<0.019 U	<0.019 U	<0.019 U	<0.019 U	<0.020	<0.018 U	<0.018 U	<0.014 U	<0.014 U
Trichloroethene	µg/L	5.	0.5	<0.03 U	<0.030 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.022	0.056 J	0.022 J	0.05 J	<0.030 U
Trichlorofluoromethane	µg/L	--	--	<0.05 U	<0.050 U	<0.090 U	<0.090 U	<0.090 U	<0.090 U	<0.033	<0.024 U	<0.024 U	<0.05 U	<0.050 U
Vinyl acetate	µg/L	--	--	<0.5 U	<0.50 U	<0.22 U	<0.22 U	<0.22 U	<0.22 U	<0.14	<0.60 U	<0.60 U	<0.5 U	<0.50 U
Vinyl chloride	µg/L	0.2	0.02	0.14	<0.016 U	0.11	0.078	0.18	0.11	0.098	0.12	<0.019 U	0.11	<0.016 U

Table 3. Groundwater Quality Data, Oconomowoc Electroplating Company Inc. (OECI) Superfund Site Monitoring Wells

	Date Sampled:			11/2/2016	5/10/2017	11/29/2017	11/9/2018	12/1/2021	12/10/2014	5/7/2015	11/04/2015	5/18/2016	11/2/2016	5/12/2017
	Units	NR140 ES	NR140 PAL	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-3D	MW-3D	MW-3D	MW-3D	MW-3D	MW-3D
Field Parameters														
Dissolved Oxygen (DO)	mg/L	--	--	0.33	3.56	0.00	0.43	1.12	0.96	0.64	0.19	0.44	1.31	2.32
Oxidation Reduction Potential	millivolts	--	--	-90	165	-106	-116	1.2	-101	-87	-101	54	-62	114
pH	pH-units	--	--	7.22	7.36	7.81	7.11	7.69	7.76	6.65	7.62	7.08	7.22	7.34
Specific Conductivity	umhos/cm	--	--	1140	1110	895	1108	1046.8	951	930	861	970	1080	1010
Temperature	deg-C	--	--	6.77	10.56	16.34	9.98	10.81	8.31	12.42	13.78	11.98	6.14	12.44
Turbidity	ntu	--	--	0.	0.	0.	0.	239.87	0.	4.5	0.	0.	0.	0.
Natural Attenuation Parameters														
Alkalinity, total (as CaCO ₃)	mg/L	--	--	390.	400.	400.	410.	330.	340.	320.	360.	360.	380.	380.
Chloride (as Cl)	mg/L	250.	125.	180.	170.	230.	180.	180.	200.	200.	190.	190.	170.	170.
Iron, total (unfiltered)	mg/L	--	--	1.69	0.485	1.94	1.44	0.524	1.7	1.39	0.712	0.437	0.49	0.459
Iron, dissolved (filtered)	mg/L	0.3	0.15	1.6	0.147 J	1.83	1.52	1.03	0.789	1.07	0.805	0.471	0.326	0.281
Manganese, total (unfiltered)	µg/L	--	--	21.9	5.4 J	19.6	19.7	19.1	45.	28.4 Y	40.3	45.3	50.4	8 J
Manganese, dissolved (filtered)	µg/L	50.	25.	21.4	<2.2 U	21.2	21.	21.2	29.7	26.5	36.4	37.7	50.2	4.5 J
Nitrate Nitrogen, total	mg/L	10.	2.	NA	NA	NA	NA	0.12	NA	NA	NA	NA	NA	NA
Acetylene	µg/L	--	--	<0.23 U	<0.23 U	<0.23 U	<0.23 U	NA	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U
Ethane	µg/L	--	--	<0.40 U	<0.40 U	0.4 J	<0.80 U	<0.38	<0.60 U	<0.60 U	<0.9 U	<0.40 U	<0.40 U	<0.40 U
Ethene	µg/L	--	--	<0.50 U	<0.50 U	<0.50 U	<1.2 U	<0.59	<0.90 U	<0.90 U	<1.2 U	<0.50 U	<0.50 U	<0.50 U
Methane	µg/L	--	--	52.	7.	140.	18.	2.5	33.	15.	27.	32.	18.	2.5
Sulfate(as SO ₄)	mg/L	250.	125.	39.	43.	48.	39.	47.	44.	42.	41.	47.	42.	45.
Total Organic Carbon	mg/L	--	--	1.7	3.2	1.1 J	0.98 J	0.65	0.80 J	1.6	0.63 J	1.8	1.6 J	3.
VOCs														
1,1,1,2-Tetrachloroethane	µg/L	70.	7.	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.030 U	<0.030 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U
1,1,1-Trichloroethane	µg/L	200.	40.	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.013	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U
1,1,2,2-Tetrachloroethane	µg/L	0.2	0.02	<0.017 U	<0.017 U	<0.017 U	<0.017 U	<0.015	<0.020 U	<0.020 U	<0.02 U	<0.020 U	<0.017 U	<0.017 U
1,1,2-Trichloroethane	µg/L	5.	0.5	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.036	<0.070 U	<0.070 U	<0.05 U	<0.050 U	<0.050 U	<0.050 U
1,1-Dichloroethane	µg/L	850.	85.	0.18 J	0.15 J	0.15 J	0.15 J	0.10	<0.024 U	<0.024 U	<0.06 U	<0.060 U	<0.060 U	<0.060 U
1,1-Dichloroethene	µg/L	7.	0.7	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.024	<0.024 U	<0.024 U	<0.07 U	<0.070 U	<0.060 U	<0.060 U
1,1-Dichloropropene	µg/L	--	--	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.074	<0.080 U	<0.080 U	<0.06 U	<0.060 U	<0.060 U	<0.060 U
1,2,3-Trichlorobenzene	µg/L	--	--	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.019	<0.040 U	<0.040 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U
1,2,3-Trichloropropane	µg/L	60.	12.	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.031	<0.080 U	<0.080 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U
1,2,4-Trichlorobenzene	µg/L	70.	14.	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.022	<0.029 U	<0.029 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U
1,2,4-Trimethylbenzene	µg/L	480.	96.	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.011	<0.024 U	<0.024 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U
1,2-Dibromo-3-chloropropane	µg/L	0.2	0.02	<0.090 U	<0.090 U	<0.090 U	<0.090 U	<0.12	<0.050 U	<0.050 U	<0.03 U	<0.030 U	<0.090 U	<0.090 U
1,2-Dibromoethane	µg/L	0.05	0.005	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.029	<0.040 U	<0.040 U	<0.04 U	<0.040 U	<0.070 U	<0.070 U
1,2-Dichlorobenzene	µg/L	600.	60.	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.016	<0.025 U	<0.025 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U
1,2-Dichloroethane	µg/L	5.	0.5	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.017	<0.024 U	<0.024 U	<0.04 U	<0.040 U	<0.050 U	<0.050 U
1,2-Dichloropropane	µg/L	5.	0.5	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.013	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.070 U	<0.070 U
1,3,5-Trimethylbenzene	µg/L	480.	96.	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.013	<0.022 U	<0.022 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U
1,3-Dichlorobenzene	µg/L	600.	120.	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.021 U	<0.021 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U
1,3-Dichloropropane	µg/L	--	--	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.020	<0.040 U	<0.040 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U
1,4-Dichlorobenzene	µg/L	75.	15.	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.017	<0.026 U	<0.026 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U
1,4-Dioxane	µg/L	3.	0.3	<7.0 U	9.7 J	<7.0 U	<7.0 U	<7.0	NA	NA	NA	NA	<7.0 U	<7.0 U
2,2-Dichloropropane	µg/L	--	--	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.075	<0.022 U	<0.022 U	<0.04 U	<0.040 U	<0.050 U	<0.050 U
2-Butanone (MEK)	µg/L	4000.	800.	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.31	<0.80 U	<0.80 U	<0.8 U	<0.80 U	<0.50 U	<0.50 U
2-Chlorotoluene	µg/L	--	--	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.020	<0.025 U	<0.025 U	<0.06 U	<0.060 U	<0.030 U	<0.030 U
2-Hexanone	µg/L	--	--	<0.24 U	<0.24 U	<0.24 U	<0.24 U	<0.15	<0.40 U	<0.40 U	<0.4 U	<0.40 U	<0.24 U	<0.24 U
4-Chlorotoluene	µg/L	--	--	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.029 U	<0.029 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U
4-Methyl-2-pentanone (MIBK)	µg/L	500.	50.	<0.24 U	<0.24 U	<0.24 U	<0.24 U	<0.19	<0.26 U	<0.26 U	<0.4 U	<0.40 U	<0.24 U	<0.24 U

Table 3. Groundwater Quality Data, Oconomowoc Electroplating Company Inc. (OECI) Superfund Site Monitoring Wells

	Date Sampled:			11/2/2016	5/10/2017	11/29/2017	11/9/2018	12/1/2021	12/10/2014	5/7/2015	11/04/2015	5/18/2016	11/2/2016	5/12/2017
	Units	NR140 ES	NR140 PAL	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-3D	MW-3D	MW-3D	MW-3D	MW-3D	MW-3D
Acetone	µg/L	9000.	1800.	<0.30 U	0.46 JB	<0.30 U	<0.30 U	<0.84	<1.3 UZ	<1.3 UZ	<0.9 U	<0.90 U	<0.30 U	0.57 JB
Benzene	µg/L	5.	0.5	<0.018 U	<0.018 U	<0.018 U	<0.018 U	<0.022	<0.019 U	<0.019 U	<0.06 U	<0.060 U	<0.018 U	<0.018 U
Bromobenzene	µg/L	--	--	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.018	<0.030 U	<0.030 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U
Bromochloromethane	µg/L	--	--	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.034	<0.090 U	<0.090 U	<0.017 U	<0.017 U	<0.030 U	<0.030 U
Bromodichloromethane	µg/L	0.6	0.06	<0.016 U	<0.016 U	<0.016 U	<0.016 U	<0.019	<0.018 U	<0.018 U	<0.017 U	<0.017 U	<0.016 U	<0.016 U
Bromoform	µg/L	4.4	0.44	<0.040 UZ	<0.040 U	<0.040 U	<0.040 U	<0.041	<0.060 U	<0.060 U	<0.018 U	<0.018 U	<0.040 UZ	<0.040 U
Bromomethane	µg/L	10.	1.	<0.080 U	<0.080 U	<0.080 U	<0.080 U	<0.052	<0.070 U	<0.070 U	<0.09 U	<0.090 U	<0.080 U	<0.080 U
Carbon disulfide	µg/L	1000.	200.	0.073 J	<0.070 U	<0.070 U	0.07 J	<0.11	<0.080 U	<0.080 U	<0.11 U	<0.11 U	<0.070 U	<0.070 U
Carbon tetrachloride	µg/L	5.	0.05	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.018	<0.029 U	<0.029 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U
Chlorobenzene	µg/L	--	--	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.024 U	<0.024 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U
Chloroethane	µg/L	400.	80.	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.40	<0.040 U	<0.040 U	<0.06 U	<0.060 U	<0.070 U	<0.070 U
Chloroform	µg/L	6.	0.6	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.016	<0.030 U	<0.030	<0.06 U	<0.060 U	<0.030 U	<0.030 U
Chloromethane	µg/L	30.	3.	0.07 J	0.044 JB	<0.040 U	0.12 J	<0.045	0.055 JB	<0.040 U	0.072 JB	0.14 J	0.048 J	0.099 J
cis-1,2-Dichloroethene	µg/L	70.	7.	0.35	0.17 J	0.38	0.33	0.046	0.13	0.19	0.18 J	0.35	0.3	0.17 J
cis-1,3-Dichloropropene	µg/L	0.4	0.04	<0.011 U	<0.011 U	<0.011 U	<0.011 U	<0.014	<0.020 U	<0.020	<0.015 U	<0.015 U	<0.011 U	<0.011 U
Dibromochloromethane	µg/L	60.	6.	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.016	<0.040 U	<0.040	<0.016 U	<0.016 U	<0.030 U	<0.030 U
Dibromomethane	µg/L	--	--	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.018	<0.040 U	<0.040	<0.06 U	<0.060 U	<0.050 U	<0.050 U
Dichlorodifluoromethane	µg/L	1000.	200.	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.091	<0.11 U	<0.11	<0.06 U	<0.060 U	<0.060 U	<0.060 U
Diisopropyl ether	µg/L	--	--	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.02	<0.021 U	<0.021 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U
Ethylbenzene	µg/L	700.	140.	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.014	<0.019 U	<0.019 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U
Hexachlorobutadiene	µg/L	--	--	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.027	<0.070 U	<0.070 U	<0.07 U	<0.070 U	<0.050 U	<0.050 U
Isopropylbenzene	µg/L	--	--	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.014	<0.060 U	<0.060 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U
m & p-Xylene	µg/L	2000.	400.	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.022	<0.050 U	<0.050 U	<0.12 U	<0.12 U	<0.070 U	<0.070 U
Methyl tert-butyl ether	µg/L	60.	12.	0.082 J	0.041 J	0.078 J	0.097 J	<0.014	0.27	0.21	0.35	0.38	0.28	0.13
Methylene chloride	µg/L	5.	0.5	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.090	<0.15 U	<0.15 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U
Naphthalene	µg/L	100.	10.	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.025	<0.040 U	<0.040 U	<0.05 U	<0.050 U	<0.030 U	<0.030 U
n-Butylbenzene	µg/L	--	--	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.021	<0.021 U	<0.021 U	<0.05 U	<0.050 U	<0.030 U	<0.030 U
n-Propylbenzene	µg/L	--	--	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.022 U	<0.022 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U
o-Xylene	µg/L	2000.	400.	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.016	<0.027 U	<0.027 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U
p-Isopropyltoluene	µg/L	--	--	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.016	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U
sec-Butylbenzene	µg/L	--	--	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.012	<0.024 U	<0.024 U	<0.05 U	<0.050 U	<0.050 U	<0.050 U
Styrene	µg/L	100.	10.	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.014	<0.020 U	<0.020 U	<0.05 U	<0.050 U	<0.030 U	<0.030 U
tert-Butylbenzene	µg/L	--	--	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.025 U	<0.025 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U
Tetrachloroethene	µg/L	5.	0.05	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.028	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U
Tetrahydrofuran	µg/L	50.	10.	0.7 JB	<0.40 U	<0.40 U	<0.40 U	<0.38	<0.70 U	<0.70 U	<0.6 U	<0.60 U	0.49 JB	<0.40 U
Toluene	µg/L	800.	160.	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.014	<0.027 U	<0.027 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U
trans-1,2-Dichloroethene	µg/L	100.	20.	0.072 J	<0.040 U	0.04 J	0.05 J	<0.020	<0.040 U	<0.040 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U
trans-1,3-Dichloropropene	µg/L	0.4	0.04	<0.019 U	<0.019 U	<0.019 U	<0.019 U	<0.020	<0.018 U	<0.018 U	<0.014 U	<0.014 U	<0.019 U	<0.019 U
Trichloroethene	µg/L	5.	0.5	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.022	<0.020 U	<0.020 U	<0.03 U	<0.030 U	<0.050 U	<0.050 U
Trichlorofluoromethane	µg/L	--	--	<0.090 U	<0.090 U	<0.090 U	<0.090 U	<0.033	<0.024 U	<0.024 U	<0.05 U	<0.050 U	<0.090 U	<0.090 U
Vinyl acetate	µg/L	--	--	<0.22 U	<0.22 U	<0.22 U	<0.22 U	<0.14	<0.60 U	<0.60 U	<0.5 U	<0.50 U	<0.22 U	<0.22 U
Vinyl chloride	µg/L	0.2	0.02	0.052 J	<0.019 U	<0.019 U	0.042 J	<0.019	<0.019 U	<0.019 U	<0.016 U	0.024 J	<0.019 U	<0.019 U

Table 3. Groundwater Quality Data, Oconomowoc Electroplating Company Inc. (OECI) Superfund Site Monitoring Wells

	Date Sampled:			11/29/2017	11/12/2018	12/2/2021	12/11/2014	5/7/2015	11/04/2015	5/10/2016	11/2/2016	5/11/2017	11/29/2017	11/9/2018
	Units	NR140 ES	NR140 PAL	MW-3D	MW-3D	MW-3D	MW-4S	MW-4S	MW-4S	MW-4S	MW-4S	MW-4S	MW-4S	MW-4S
Field Parameters														
Dissolved Oxygen (DO)	mg/L	--	--	0.00	0.41	1.91	1.37	0.00	0.46	0.00	0.86	0.49	0.00	0.63
Oxidation Reduction Potential	millivolts	--	--	-51	-95	3.4	85	97	79	97	11	246	90	44
pH	pH-units	--	--	7.39	7.07	7.69	7.01	6.58	7.13	6.90	6.71	6.90	6.88	6.93
Specific Conductivity	umhos/cm	--	--	896	1114	1090.5	4180	1730	1920	1580	2020	1140	1110	1197
Temperature	deg-C	--	--	15.88	10.36	10.83	8.54	10.07	18.02	9.41	8.31	11.69	16.27	9.44
Turbidity	ntu	--	--	0.	0.	269.84	2.56	0.3	0.	32.6	0.	0.	0.	0.
Natural Attenuation Parameters														
Alkalinity, total (as CaCO ₃)	mg/L	--	--	390.	390.	330.	520.	740.	580.	740.	530.	600.	660.	380.
Chloride (as Cl)	mg/L	250.	125.	230.	190.	210.	1000.	130.	400.	42.	300 M	150.	190.	270.
Iron, total (unfiltered)	mg/L	--	--	0.299	0.191	0.428	0.236	0.142	0.361	0.556	0.474	0.242	0.0729 J	1.01
Iron, dissolved (filtered)	mg/L	0.3	0.15	0.211	0.159 J	0.363	0.0474	0.0633	0.0178 J	0.501	<0.059 U	0.146 J	<0.059 U	<0.059 U
Manganese, total (unfiltered)	µg/L	--	--	46.5	61.2	72.2	176.	39.6	73.5	97.2	65.6	151.	228.	103.
Manganese, dissolved (filtered)	µg/L	50.	25.	51.	62.4	64.1	193.	39.8	58.3	111.	64.1	149.	225.	10.7
Nitrate Nitrogen, total	mg/L	10.	2.	NA	NA	<0.12	NA	NA	NA	NA	NA	NA	NA	NA
Acetylene	µg/L	--	--	<0.23 U	<0.23 U	NA	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U
Ethane	µg/L	--	--	<0.40 U	<0.80 U	<0.38	<0.60 U	<0.60 U	<0.9 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.80 U
Ethene	µg/L	--	--	<0.50 U	<1.2 U	<0.59	<0.90 U	<0.90 U	<1.2 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<1.2 U
Methane	µg/L	--	--	9.5	6.5	9.9	1.1	0.36 J	0.53 J	20.	1.1 J	3.1	0.7 J	<0.40 U
Sulfate(as SO ₄)	mg/L	250.	125.	51.	41.	42.	99.	220.	97.	100.	85 M	69.	72.	54.
Total Organic Carbon	mg/L	--	--	1.2 J	1 J	0.89	5.3	9.7	3.6	10.	4.8	7.7	4.5	2.2
VOCs														
1,1,1,2-Tetrachloroethane	µg/L	70.	7.	<0.040 U	<0.040 U	<0.013	<0.030 U	<0.030 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
1,1,1-Trichloroethane	µg/L	200.	40.	<0.050 U	<0.050 U	<0.013	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U
1,1,2,2-Tetrachloroethane	µg/L	0.2	0.02	<0.017 U	<0.017 U	<0.015	<0.020 U	<0.020 U	<0.02 U	<0.020 U	<0.017 U	<0.017 U	<0.017 U	<0.017 U
1,1,2-Trichloroethane	µg/L	5.	0.5	<0.050 U	<0.050 U	<0.036	<0.070 U	<0.070 U	<0.05 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U
1,1-Dichloroethane	µg/L	850.	85.	<0.060 U	<0.060 U	<0.017	<0.024 U	<0.024 U	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U
1,1-Dichloroethene	µg/L	7.	0.7	<0.060 U	<0.060 U	<0.024	<0.024 U	<0.024 U	<0.07 U	<0.070 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U
1,1-Dichloropropene	µg/L	--	--	<0.060 U	<0.060 U	<0.074	<0.080 U	<0.080 U	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U
1,2,3-Trichlorobenzene	µg/L	--	--	<0.040 U	<0.040 U	<0.019	<0.040 U	<0.040 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
1,2,3-Trichloropropane	µg/L	60.	12.	<0.040 U	<0.040 U	<0.031	<0.080 U	<0.080 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
1,2,4-Trichlorobenzene	µg/L	70.	14.	<0.040 U	<0.040 U	<0.022	<0.029 U	<0.029 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
1,2,4-Trimethylbenzene	µg/L	480.	96.	<0.040 U	<0.040 U	0.011	<0.024 U	<0.024 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
1,2-Dibromo-3-chloropropane	µg/L	0.2	0.02	<0.090 U	<0.090 U	<0.12	<0.050 U	<0.050 U	<0.03 U	<0.030 U	<0.090 U	<0.090 U	<0.090 U	<0.090 U
1,2-Dibromoethane	µg/L	0.05	0.005	<0.070 U	<0.070 U	<0.029	<0.040 U	<0.040 U	<0.04 U	<0.040 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U
1,2-Dichlorobenzene	µg/L	600.	60.	<0.040 U	<0.040 U	<0.016	<0.025 U	<0.025 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
1,2-Dichloroethane	µg/L	5.	0.5	<0.050 U	<0.050 U	0.042	<0.024 U	<0.024 U	<0.04 U	<0.040 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U
1,2-Dichloropropane	µg/L	5.	0.5	<0.070 U	<0.070 U	<0.013	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U
1,3,5-Trimethylbenzene	µg/L	480.	96.	<0.050 U	<0.050 U	<0.013	<0.022 U	<0.022 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U
1,3-Dichlorobenzene	µg/L	600.	120.	<0.040 U	<0.040 U	<0.013	0.094	<0.021 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
1,3-Dichloropropane	µg/L	--	--	<0.040 U	<0.040 U	<0.020	<0.040 U	<0.040 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
1,4-Dichlorobenzene	µg/L	75.	15.	<0.040 U	<0.040 U	<0.017	<0.026 U	<0.026 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
1,4-Dioxane	µg/L	3.	0.3	<7.0 U	<7.0 U	33.	NA	NA	NA	NA	<7.0 U	<7.0 U	<7.0 U	<7.0 U
2,2-Dichloropropane	µg/L	--	--	<0.050 U	<0.050 U	<0.075	<0.022 U	<0.022 U	<0.04 U	<0.040 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U
2-Butanone (MEK)	µg/L	4000.	800.	<0.50 U	<0.50 U	<0.31	<0.80 U	<0.80 U	<0.8 U	<0.80 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U
2-Chlorotoluene	µg/L	--	--	<0.030 U	<0.030 U	<0.020	<0.025 U	<0.025 U	<0.06 U	<0.060 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U
2-Hexanone	µg/L	--	--	<0.24 U	<0.24 U	<0.15	<0.40 U	<0.40 U	<0.4 U	<0.40 U	<0.24 U	<0.24 U	<0.24 U	<0.24 U
4-Chlorotoluene	µg/L	--	--	<0.040 U	<0.040 U	<0.013	<0.029 U	<0.029 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
4-Methyl-2-pentanone (MIBK)	µg/L	500.	50.	<0.24 U	<0.24 U	<0.19	<0.26 U	<0.26 U	<0.4 U	<0.40 U	<0.24 U	<0.24 U	<0.24 U	<0.24 U

Table 3. Groundwater Quality Data, Oconomowoc Electroplating Company Inc. (OECI) Superfund Site Monitoring Wells

	Date Sampled:			11/29/2017	11/12/2018	12/2/2021	12/11/2014	5/7/2015	11/04/2015	5/10/2016	11/2/2016	5/11/2017	11/29/2017	11/9/2018
	Units	NR140 ES	NR140 PAL	MW-3D	MW-3D	MW-3D	MW-4S	MW-4S	MW-4S	MW-4S	MW-4S	MW-4S	MW-4S	MW-4S
Acetone	µg/L	9000.	1800.	<0.30 U	0.48 JB	<0.84	<1.3 UZ	<1.3 UZ	<0.9 U	<0.90 U	<0.30 U	0.53 JB	<0.30 U	0.45 JB
Benzene	µg/L	5.	0.5	<0.018 U	<0.018 U	<0.022	<0.019 U	<0.019 U	<0.06 U	<0.060 U	<0.018 U	<0.018 U	<0.018 U	<0.018 U
Bromobenzene	µg/L	--	--	<0.040 U	<0.040 U	<0.018	<0.030 U	<0.030 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
Bromochloromethane	µg/L	--	--	<0.030 U	<0.030 U	<0.034	<0.090 U	<0.090 U	<0.017 U	<0.017 U	<0.030 U	<0.030 U	<0.030 UQ	<0.030 U
Bromodichloromethane	µg/L	0.6	0.06	<0.016 U	<0.016 U	<0.019	<0.018 U	<0.018 U	<0.017 U	<0.017 U	<0.016 U	<0.016 U	<0.016 U	<0.016 U
Bromoform	µg/L	4.4	0.44	<0.040 U	<0.040 U	<0.041	<0.060 U	<0.060 U	<0.018 U	<0.018 U	<0.040 UZ	<0.040 U	<0.040 U	<0.040 U
Bromomethane	µg/L	10.	1.	<0.080 U	<0.080 UY	<0.052	<0.070 U	<0.070 U	<0.09 U	<0.090 U	<0.080 U	<0.080 U	<0.080 UZM	<0.080 U
Carbon disulfide	µg/L	1000.	200.	<0.070 U	<0.070 U	<0.11	<0.080 U	<0.080 U	<0.11 U	<0.11 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U
Carbon tetrachloride	µg/L	5.	0.05	<0.050 U	<0.050 U	<0.018	<0.029 U	<0.029 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U
Chlorobenzene	µg/L	--	--	<0.040 U	<0.040 U	<0.013	<0.024 U	<0.024 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
Chloroethane	µg/L	400.	80.	<0.070 U	<0.070 U	<0.40	<0.040 U	<0.040 U	<0.06 U	<0.060 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U
Chloroform	µg/L	6.	0.6	<0.030 U	<0.030 U	<0.016	<0.030 U	<0.030	<0.06 U	<0.060 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U
Chloromethane	µg/L	30.	3.	<0.040 U	0.083 J	<0.045	0.089 JB	<0.040 U	0.058 J	<0.050 U	0.079 J	0.043 J	<0.040 U	0.08 J
cis-1,2-Dichloroethene	µg/L	70.	7.	0.76	0.72	2.6	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U
cis-1,3-Dichloropropene	µg/L	0.4	0.04	<0.011 U	<0.011 U	<0.014	<0.020 U	<0.020 U	<0.015 U	<0.015 U	<0.011 U	<0.011 U	<0.011 U	<0.011 U
Dibromochloromethane	µg/L	60.	6.	<0.030 U	<0.030 U	<0.016	<0.040 U	<0.040 U	<0.016 U	<0.016 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U
Dibromomethane	µg/L	--	--	<0.050 U	<0.050 U	<0.018	<0.040 U	<0.040 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U
Dichlorodifluoromethane	µg/L	1000.	200.	<0.060 U	<0.060 U	<0.091	<0.11 U	<0.11 U	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U
Diisopropyl ether	µg/L	--	--	<0.040 U	<0.040 U	<0.02	<0.021 U	<0.021 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
Ethylbenzene	µg/L	700.	140.	<0.040 U	<0.040 U	<0.014	<0.019 U	<0.019 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
Hexachlorobutadiene	µg/L	--	--	<0.050 U	<0.050 U	<0.027	<0.070 U	<0.070 U	<0.07 U	<0.070 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U
Isopropylbenzene	µg/L	--	--	<0.040 U	<0.040 U	<0.014	<0.060 U	<0.060 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
m & p-Xylene	µg/L	2000.	400.	<0.070 U	<0.070 U	<0.022	<0.050 U	<0.050 U	<0.12 U	<0.12 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U
Methyl tert-butyl ether	µg/L	60.	12.	0.47	0.54	0.99	<0.040 U	<0.040 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
Methylene chloride	µg/L	5.	0.5	<0.050 U	<0.050 UYQ	<0.090	<0.15 U	<0.15 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U
Naphthalene	µg/L	100.	10.	<0.030 U	<0.030 U	<0.025	<0.040 U	<0.040 U	<0.05 U	<0.050 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U
n-Butylbenzene	µg/L	--	--	<0.030 U	<0.030 U	<0.021	<0.021 U	<0.021 U	<0.05 U	<0.050 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U
n-Propylbenzene	µg/L	--	--	<0.040 U	<0.040 U	<0.013	<0.022 U	<0.022 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
o-Xylene	µg/L	2000.	400.	<0.040 U	<0.040 U	<0.016	<0.027 U	<0.027 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
p-Isopropyltoluene	µg/L	--	--	<0.040 U	<0.040 U	<0.016	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
sec-Butylbenzene	µg/L	--	--	<0.050 U	<0.050 U	<0.012	<0.024 U	<0.024 U	<0.05 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U
Styrene	µg/L	100.	10.	<0.030 U	<0.030 U	<0.014	<0.020 U	<0.020 U	<0.05 U	<0.050 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U
tert-Butylbenzene	µg/L	--	--	<0.040 U	<0.040 U	<0.013	<0.025 U	<0.025 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
Tetrachloroethene	µg/L	5.	0.05	<0.050 U	<0.050 U	<0.028	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U
Tetrahydrofuran	µg/L	50.	10.	<0.40 U	<0.40 U	<0.38	<0.70 U	<0.70 U	<0.6 U	0.66 JB,Z	<0.40 U	<0.40 U	<0.40 U	<0.40 U
Toluene	µg/L	800.	160.	<0.040 U	<0.040 U	<0.014	<0.027 U	<0.027 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
trans-1,2-Dichloroethene	µg/L	100.	20.	<0.040 U	<0.040 U	0.057	<0.040 U	<0.040 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
trans-1,3-Dichloropropene	µg/L	0.4	0.04	<0.019 U	<0.019 U	<0.020	<0.018 U	<0.018 U	<0.014 U	<0.014 U	<0.019 U	<0.019 U	<0.019 U	<0.019 U
Trichloroethene	µg/L	5.	0.5	<0.050 U	<0.050 U	<0.022	<0.020 U	<0.020 U	<0.03 U	<0.030 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U
Trichlorofluoromethane	µg/L	--	--	<0.090 U	<0.090 U	<0.033	<0.024 U	<0.024 U	<0.05 U	<0.050 U	<0.090 U	<0.090 U	<0.090 U	<0.090 U
Vinyl acetate	µg/L	--	--	<0.22 U	<0.22 U	<0.14	<0.60 U	<0.60 U	<0.5 U	<0.50 U	<0.22 U	<0.22 U	<0.22 U	<0.22 U
Vinyl chloride	µg/L	0.2	0.02	<0.019 U	0.025 J	0.075	<0.019 U	<0.019 U	<0.016 U	<0.016 U	<0.019 U	<0.019 U	<0.019 U	<0.019 U

Table 3. Groundwater Quality Data, Oconomowoc Electroplating Company Inc. (OECI) Superfund Site Monitoring Wells

	Date Sampled:			12/2/2021	12/10/2014	5/5/2015	11/03/2015	5/11/2016	11/3/2016	5/12/2017	11/29/2017	11/12/2018	11/12/2018	12/1/2021
	Units	NR140 ES	NR140 PAL	MW-4S	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D Dup	MW-5D
Field Parameters														
Dissolved Oxygen (DO)	mg/L	--	--	2.52	3.32	0.00	0.59	0.01	0.15	0.13	0.00	0.40	0.44	1.53
Oxidation Reduction Potential	millivolts	--	--	37.2	-78	-38	-65	-40	-81	-42	-85	-101	-98	-57.7
pH	pH-units	--	--	7.32	7.60	7.32	7.45	7.13	7.21	7.28	7.31	7.05	7.05	7.59
Specific Conductivity	umhos/cm	--	--	2276.4	999	1240	895	1090	1070	1040	820	1040	1041	1036.6
Temperature	deg-C	--	--	12.76	7.83	9.22	18.15	13.76	6.47	11.10	16.32	10.07	9.92	10.59
Turbidity	ntu	--	--	261.64	0.	23.7	9.4	25.1	0.	0.	0.	0.	0.	217.14
Natural Attenuation Parameters														
Alkalinity, total (as CaCO ₃)	mg/L	--	--	330.	390.	370.	400.	400.	410.	420.	430.	430.	430.	340.
Chloride (as Cl)	mg/L	250.	125.	520.	180.	160.	140.	150.	140.	140.	160.	140.	140.	180.
Iron, total (unfiltered)	mg/L	--	--	0.34	1.61	1.53	1.6	2.05	2.11	1.67	1.84	1.81	1.74	1.89
Iron, dissolved (filtered)	mg/L	0.3	0.15	<0.027	1.51	0.989	1.69	0.865	1.83	1.46	1.58	1.59	1.25	1.75
Manganese, total (unfiltered)	µg/L	--	--	465.	68.7	137.	61.9	116.	70.2	57.7	62.3	70.9	71.1	99.3
Manganese, dissolved (filtered)	µg/L	50.	25.	80.5	67.7	68.	65.7	116.	71.1	50.	64.8	72.3	86.9	85.9
Nitrate Nitrogen, total	mg/L	10.	2.	<0.12	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.14
Acetylene	µg/L	--	--	NA	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	NA
Ethane	µg/L	--	--	<0.38	<0.60 U	<0.60 U	<0.9 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.80 U	<0.80 UY	<0.38
Ethene	µg/L	--	--	<0.59	<0.90 U	<0.90 U	<1.2 U	0.55 J	<0.50 U	<0.50 U	<0.50 U	<1.2 U	<1.2 UY	<0.59
Methane	µg/L	--	--	0.82	41.	26.	44.	44.	38 M	2.4	4.9	4.4	5.4 MY	9.6
Sulfate(as SO ₄)	mg/L	250.	125.	91.	57.	51.	50.	52.	47.	50.	59.	48.	46.	48.
Total Organic Carbon	mg/L	--	--	2.0	0.95 J	1.3 J	0.65 J	2.6	1.5 J	2.8	1 J	1 J	0.99 J	1.1
VOCs														
1,1,1,2-Tetrachloroethane	µg/L	70.	7.	<0.013	<0.15 U	<0.15 U	<0.25 U	<0.25 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.013
1,1,1-Trichloroethane	µg/L	200.	40.	<0.013	<0.15 U	<0.15 U	<0.3 U	<0.30 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.013
1,1,2,2-Tetrachloroethane	µg/L	0.2	0.02	<0.015	<0.10 U	<0.10 U	<0.1 U	<0.10 U	<0.085 U	<0.085 U	<0.085 U	<0.085 U	<0.085 U	<0.015
1,1,2-Trichloroethane	µg/L	5.	0.5	<0.036	<0.35 U	<0.35 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.036
1,1-Dichloroethane	µg/L	850.	85.	<0.017	6.1	6.8	4.4	7.6	6.7	8.6	6.8	6.8	6.7	1.2
1,1-Dichloroethene	µg/L	7.	0.7	<0.024	0.51	0.69	0.35 J	0.74 J	0.69 J	0.93 J	0.69 J	0.64 J	0.63 J	0.084
1,1-Dichloropropene	µg/L	--	--	<0.074	<0.40 U	<0.40 U	<0.3 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.074
1,2,3-Trichlorobenzene	µg/L	--	--	<0.019	<0.20 U	<0.20 U	<0.25 U	<0.25 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.019
1,2,3-Trichloropropane	µg/L	60.	12.	<0.031	<0.40 U	<0.40 U	<0.2 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.031
1,2,4-Trichlorobenzene	µg/L	70.	14.	<0.022	<0.15 U	<0.15 U	<0.2 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.022
1,2,4-Trimethylbenzene	µg/L	480.	96.	<0.011	<0.12 U	<0.12 U	<0.25 U	<0.25 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.011
1,2-Dibromo-3-chloropropane	µg/L	0.2	0.02	<0.12	<0.25 U	<0.25 U	<0.15 U	<0.15 U	<0.45 U	<0.45 U	<0.45 U	<0.45 U	<0.45 U	<0.012
1,2-Dibromoethane	µg/L	0.05	0.005	<0.029	<0.20 U	<0.20 U	<0.2 U	<0.20 U	<0.35 U	<0.35 U	<0.35 U	<0.35 U	<0.35 U	<0.029
1,2-Dichlorobenzene	µg/L	600.	60.	<0.016	<0.13 U	<0.13 U	<0.3 U	<0.30 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.016
1,2-Dichloroethane	µg/L	5.	0.5	<0.017	0.91	0.56	1.3	0.53 J	0.39 J	0.26 J	0.43 J	0.38 J	0.46 J	0.57
1,2-Dichloropropane	µg/L	5.	0.5	<0.013	<0.15 U	<0.15 U	<0.3 U	<0.30 U	<0.35 U	<0.35 U	<0.35 U	<0.35 U	<0.35 U	<0.013
1,3,5-Trimethylbenzene	µg/L	480.	96.	<0.013	<0.11 U	<0.11 U	<0.3 U	<0.30 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.013
1,3-Dichlorobenzene	µg/L	600.	120.	<0.013	<0.11 U	<0.11 U	<0.3 U	<0.30 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.013
1,3-Dichloropropane	µg/L	--	--	<0.020	<0.20 U	<0.20 U	<0.2 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.020
1,4-Dichlorobenzene	µg/L	75.	15.	<0.017	<0.13 U	<0.13 U	<0.25 U	<0.25 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.017
1,4-Dioxane	µg/L	3.	0.3	21.	NA	NA	NA	NA	<35 U	<35 U	<35 U	<35 U	<35 U	<7.0
2,2-Dichloropropane	µg/L	--	--	<0.075	<0.11 U	<0.11 U	<0.2 U	<0.20 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.075
2-Butanone (MEK)	µg/L	4000.	800.	<0.31	<4.0 U	<4.0 U	<4 U	<4.0 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<0.31
2-Chlorotoluene	µg/L	--	--	<0.020	<0.13 U	<0.13 U	<0.3 U	<0.30 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.020
2-Hexanone	µg/L	--	--	<0.15	<2.0 U	<2.0 U	<2 U	<2.0 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<0.15
4-Chlorotoluene	µg/L	--	--	<0.013	<0.15 U	<0.15 U	<0.25 U	<0.25 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.013
4-Methyl-2-pentanone (MIBK)	µg/L	500.	50.	<0.19	<1.3 U	<1.3 U	<2 U	<2.0 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<0.19

Table 3. Groundwater Quality Data, Oconomowoc Electroplating Company Inc. (OECI) Superfund Site Monitoring Wells

	Date Sampled:			12/2/2021	12/10/2014	5/5/2015	11/03/2015	5/11/2016	11/3/2016	5/12/2017	11/29/2017	11/12/2018	11/12/2018	12/1/2021
	Units	NR140 ES	NR140 PAL	MW-4S	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D Dup	MW-5D
Acetone	µg/L	9000.	1800.	<0.84	<6.5 UZ	<6.5 UZ	<4.5 U	98 B	<1.5 U	5.6 B	4.6 JB	2.1 JB	1.6 JB	<0.84
Benzene	µg/L	5.	0.5	<0.022	<0.095 U	<0.095 U	<0.3 U	<0.30 U	<0.090 U	<0.090 U	<0.090 U	<0.090 U	<0.090 U	<0.022
Bromobenzene	µg/L	--	--	<0.018	<0.15 U	<0.15 U	<0.2 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.018
Bromochloromethane	µg/L	--	--	<0.034	<0.45 U	<0.45 U	<0.085 U	<0.085 U	<0.15 U	<0.15 U	<0.15 UQ	<0.15 U	<0.15 U	<0.034
Bromodichloromethane	µg/L	0.6	0.06	<0.019	<0.090 U	<0.090 U	<0.085 U	<0.085 U	<0.080 U	<0.080 U	<0.080 U	<0.080 U	<0.080 U	<0.019
Bromoform	µg/L	4.4	0.44	<0.041	<0.30 U	<0.30 U	<0.09 U	<0.090 U	<0.20 UZ	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.041
Bromomethane	µg/L	10.	1.	<0.052	<0.35 UZ	<0.35 U	<0.45 U	<0.45 U	<0.40 U	<0.40 U	<0.40 UZ	<0.40 UY	<0.40 UY	<0.052
Carbon disulfide	µg/L	1000.	200.	<0.11	<0.40 U	<0.40 U	<0.55 U	<0.55 U	<0.35 U	<0.35 U	<0.35 U	<0.35 U	<0.35 U	<0.11
Carbon tetrachloride	µg/L	5.	0.05	<0.018	<0.15 U	<0.15 U	<0.3 U	<0.30 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.018
Chlorobenzene	µg/L	--	--	<0.013	<0.12 U	<0.12 U	<0.2 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.013
Chloroethane	µg/L	400.	80.	<0.40	<0.20 U	<0.20 U	<0.3 U	<0.30 U	<0.35 U	<0.35 U	<0.35 U	<0.35 U	<0.35 U	<0.40
Chloroform	µg/L	6.	0.6	<0.016	<0.15 U	<0.15 U	<0.3 U	<0.30 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.016
Chloromethane	µg/L	30.	3.	<0.045	<0.20 U	<0.20 U	<0.25 U	<0.25 U	<0.20 U	<0.20 U	<0.20 U	0.93	<0.20 U	<0.045
cis-1,2-Dichloroethene	µg/L	70.	7.	<0.023	72.	73.	51.	76.	67.	78.	81.	76.	75.	13.
cis-1,3-Dichloropropene	µg/L	0.4	0.04	<0.014	<0.10 U	<0.10 U	<0.075 U	<0.075 U	<0.055 U	<0.055 U	<0.055 U	<0.055 U	<0.055 U	<0.014
Dibromochloromethane	µg/L	60.	6.	<0.016	<0.20 U	<0.20 U	<0.08 U	<0.080 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.016
Dibromomethane	µg/L	--	--	<0.018	<0.20 U	<0.20 U	<0.3 U	<0.30 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.018
Dichlorodifluoromethane	µg/L	1000.	200.	<0.091	<0.55 U	<0.55 U	<0.3 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.091
Diisopropyl ether	µg/L	--	--	<0.02	<0.11 U	<0.11 U	<0.2 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	0.19
Ethylbenzene	µg/L	700.	140.	<0.014	<0.095 U	<0.095 U	<0.3 U	<0.30 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.014
Hexachlorobutadiene	µg/L	--	--	<0.027	<0.35 U	<0.35 U	<0.35 U	<0.35 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.027
Isopropylbenzene	µg/L	--	--	<0.014	<0.30 U	<0.30 U	<0.25 U	<0.25 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.014
m & p-Xylene	µg/L	2000.	400.	<0.022	<0.25 U	<0.25 U	<0.6 U	<0.60 U	<0.35 U	<0.35 U	<0.35 U	<0.35 U	<0.35 U	<0.022
Methyl tert-butyl ether	µg/L	60.	12.	<0.014	<0.20 U	<0.20 U	0.21 J	0.27 J	<0.20 U	<0.20 U	<0.20 U	<0.20 U	0.21 J	0.11
Methylene chloride	µg/L	5.	0.5	<0.090	4.2	<0.75 U	<0.3 U	1.5	<0.25 U	1.9	<0.25 U	<0.25 UYQ	<0.25 UYQ	<0.090
Naphthalene	µg/L	100.	10.	<0.025	<0.20 U	<0.20 U	<0.25 U	<0.25 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.025
n-Butylbenzene	µg/L	--	--	<0.021	<0.11 U	<0.11 U	<0.25 U	<0.25 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.021
n-Propylbenzene	µg/L	--	--	<0.013	<0.11 U	<0.11 U	<0.25 U	<0.25 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.013
o-Xylene	µg/L	2000.	400.	<0.016	<0.14 U	<0.14 U	<0.25 U	<0.25 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.016
p-Isopropyltoluene	µg/L	--	--	<0.016	<0.15 U	<0.15 U	<0.3 U	<0.30 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.016
sec-Butylbenzene	µg/L	--	--	<0.012	<0.12 U	<0.12 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.012
Styrene	µg/L	100.	10.	<0.014	<0.10 U	<0.10 U	<0.25 U	<0.25 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.014
tert-Butylbenzene	µg/L	--	--	<0.013	<0.13 U	<0.13 U	<0.3 U	<0.30 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.013
Tetrachloroethene	µg/L	5.	0.05	<0.028	<0.15 U	<0.15 U	<0.3 U	<0.30 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.028
Tetrahydrofuran	µg/L	50.	10.	<0.38	<3.5 U	<3.5 U	<3 U	<3.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<0.38
Toluene	µg/L	800.	160.	<0.014	<0.14 U	<0.14 U	<0.3 U	<0.30 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.014
trans-1,2-Dichloroethene	µg/L	100.	20.	<0.020	7.	9.	5.1	9.4	9.2	10.	9.6	11.	10.	1.1
trans-1,3-Dichloropropene	µg/L	0.4	0.04	<0.020	<0.090 U	<0.090 U	<0.07 U	<0.070 U	<0.095 U	<0.095 U	<0.095 U	<0.095 U	<0.095 U	<0.020
Trichloroethene	µg/L	5.	0.5	<0.022	32.	50.	15.	54.	50.	78.	41.	38.	37.	1.3
Trichlorofluoromethane	µg/L	--	--	<0.033	<0.12 U	<0.12 U	<0.25 U	<0.25 U	<0.45 U	<0.45 U	<0.45 U	<0.45 U	<0.45 U	<0.033
Vinyl acetate	µg/L	--	--	<0.14	<3.0 U	<3.0 U	<2.5 U	<2.5 U	<1.1 U	<1.1 U	<1.1 U	<1.1 U	<1.1 U	0.23
Vinyl chloride	µg/L	0.2	0.02	<0.019	3.2	4.3	2.3	4.7	3.4	3.1	3.1	6.9	6.6	0.80

Table 3. Groundwater Quality Data, Oconomowoc Electroplating Company Inc. (OECI) Superfund Site Monitoring Wells

	Date Sampled:			12/10/2014	5/5/2015	11/03/2015	5/11/2016	11/3/2016	5/12/2017	11/29/2017	11/29/2017	11/15/2018	12/1/2021	12/11/2014
	Units	NR140 ES	NR140 PAL	MW-9S	MW-9S	MW-9S	MW-9S	MW-9S	MW-9S	MW-9S	MW-9S DUP	MW-9S	MW-9S	MW-12S
Field Parameters														
Dissolved Oxygen (DO)	mg/L	--	--	0.79	0.00	0.43	0.00	0.14	0.01	0.00	0.00	0.61	1.41	8.69
Oxidation Reduction Potential	millivolts	--	--	14	-48	-37	-35	-61	-36	-34	-37	-59	-27.9	-50
pH	pH-units	--	--	7.75	7.20	7.41	7.10	7.23	7.23	7.17	7.18	6.90	7.54	7.80
Specific Conductivity	umhos/cm	--	--	1230	1870	1680	1490	1400	1120	923	923	1210	1456.5	1070
Temperature	deg-C	--	--	10.08	8.63	17.35	15.13	7.32	13.36	17.58	17.65	12.21	11.20	6.75
Turbidity	ntu	--	--	0.	12.4	0.	13.6	1.3	0.	0.	0.	7.1	200.86	42.7
Natural Attenuation Parameters														
Alkalinity, total (as CaCO ₃)	mg/L	--	--	330.	300.	340.	350.	360.	380.	380.	380.	390.	340.	370.
Chloride (as Cl)	mg/L	250.	125.	380.	360.	340.	310.	260.	210.	240.	250.	250.	350.	220.
Iron, total (unfiltered)	mg/L	--	--	0.635	2.	0.495	2.94	1.36	2.63	0.643	0.622	6.26	1.98	0.49
Iron, dissolved (filtered)	mg/L	0.3	0.15	0.221	1.	0.59	0.877	0.641	0.8	0.403	0.391	0.533	0.61	0.077
Manganese, total (unfiltered)	µg/L	--	--	57.1	80.5	73.7	73.5	71.8	147.	58.3	61.4	87.	104.	127.
Manganese, dissolved (filtered)	µg/L	50.	25.	79.1	88.4	82.2	70.6	73.	123.	66.6	61.5	87.6	100.	115.
Nitrate Nitrogen, total	mg/L	10.	2.	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.12	NA
Acetylene	µg/L	--	--	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	NA	<0.23 U
Ethane	µg/L	--	--	<0.60 U	<0.60 U	<0.9 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.38	<0.60 U
Ethene	µg/L	--	--	<0.90 U	<0.90 U	<1.2 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<1.2 U	<0.59	<0.90 U
Methane	µg/L	--	--	4.3	5.5	6.3	21.	18.	2.2	3.7	1.7	0.72 J	2.9	11.
Sulfate(as SO ₄)	mg/L	250.	125.	64.	57.	56.	59.	56.	52.	54.	55.	32.	38.	55.
Total Organic Carbon	mg/L	--	--	1.4 J	1.6	1.2 J	2.8	1.8	3.2	1.2 J	1 J	2.3	1.3	2.5
VOCs														
1,1,1,2-Tetrachloroethane	µg/L	70.	7.	<0.030 U	<0.030 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.15 U
1,1,1-Trichloroethane	µg/L	200.	40.	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.013	51.
1,1,2,2-Tetrachloroethane	µg/L	0.2	0.02	<0.020 U	<0.020 U	<0.02 U	<0.020 U	<0.017 U	<0.017 U	<0.017 U	<0.017 U	<0.017 U	<0.015	<0.10 U
1,1,2-Trichloroethane	µg/L	5.	0.5	<0.070 U	<0.070 U	<0.05 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.036	<0.35 U
1,1-Dichloroethane	µg/L	850.	85.	0.19	0.17	0.2	0.16 J	0.15 J	0.17 J	0.15 J	0.15 J	0.13 J	0.096	14.
1,1-Dichloroethene	µg/L	7.	0.7	<0.024 U	<0.024 U	<0.07 U	<0.070 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.024	5.7
1,1-Dichloropropene	µg/L	--	--	<0.080 U	<0.080 U	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.074	<0.40 U
1,2,3-Trichlorobenzene	µg/L	--	--	<0.040 U	<0.040 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.019	<0.20 U
1,2,3-Trichloropropane	µg/L	60.	12.	<0.080 U	<0.080 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.031	<0.40 U
1,2,4-Trichlorobenzene	µg/L	70.	14.	<0.029 U	<0.029 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.022	<0.15 U
1,2,4-Trimethylbenzene	µg/L	480.	96.	<0.024 U	<0.024 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.011	<0.12 U
1,2-Dibromo-3-chloropropane	µg/L	0.2	0.02	<0.050 U	<0.050 U	<0.03 U	<0.030 U	<0.090 U	<0.090 U	<0.090 U	<0.090 U	<0.090 U	<0.12	<0.25 U
1,2-Dibromoethane	µg/L	0.05	0.005	<0.040 U	<0.040 U	<0.04 U	<0.040 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.029	<0.20 U
1,2-Dichlorobenzene	µg/L	600.	60.	<0.025 U	<0.025 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.016	<0.13 U
1,2-Dichloroethane	µg/L	5.	0.5	<0.024 U	<0.024 U	<0.04 U	<0.040 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.017	<0.12 U
1,2-Dichloropropane	µg/L	5.	0.5	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.013	<0.15 U
1,3,5-Trimethylbenzene	µg/L	480.	96.	<0.022 U	<0.022 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.013	<0.11 U
1,3-Dichlorobenzene	µg/L	600.	120.	<0.021 U	<0.021 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.11 U
1,3-Dichloropropane	µg/L	--	--	<0.040 U	<0.040 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.020	<0.20 U
1,4-Dichlorobenzene	µg/L	75.	15.	<0.026 U	<0.026 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.017	<0.13 U
1,4-Dioxane	µg/L	3.	0.3	NA	NA	NA	NA	<7.0 U	<7.0 U	<7.0 U	<7.0 U	<7.0 U	<7.0	NA
2,2-Dichloropropane	µg/L	--	--	<0.022 U	<0.022 U	<0.04 U	<0.040 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.075	<0.11 U
2-Butanone (MEK)	µg/L	4000.	800.	<0.80 UY	<0.80 U	<0.8 U	<0.80 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.31	<4.0 U
2-Chlorotoluene	µg/L	--	--	<0.025 U	<0.025 U	<0.06 U	<0.060 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.020	<0.13 U
2-Hexanone	µg/L	--	--	<0.40 U	<0.40 U	<0.4 U	<0.40 U	<0.24 U	<0.24 U	<0.24 U	<0.24 U	<0.24 U	<0.15	<2.0 U
4-Chlorotoluene	µg/L	--	--	<0.029 U	<0.029 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.15 U
4-Methyl-2-pentanone (MIBK)	µg/L	500.	50.	<0.26 U	<0.26 U	<0.4 U	<0.40 U	<0.24 U	<0.24 U	<0.24 U	<0.24 U	<0.24 U	<0.19	<1.3 U

Table 3. Groundwater Quality Data, Oconomowoc Electroplating Company Inc. (OECI) Superfund Site Monitoring Wells

	Date Sampled:			12/10/2014	5/5/2015	11/03/2015	5/11/2016	11/3/2016	5/12/2017	11/29/2017	11/29/2017	11/15/2018	12/1/2021	12/11/2014
	Units	NR140 ES	NR140 PAL	MW-9S	MW-9S	MW-9S	MW-9S	MW-9S	MW-9S	MW-9S	MW-9S DUP	MW-9S	MW-9S	MW-12S
Acetone	µg/L	9000.	1800.	<1.3 UZ	<1.3 UZ	<0.9 U	<0.90 U	<0.30 U	0.37 JB	0.48 JB	<0.30 U	0.7 JB	<0.84	<6.5 UZ
Benzene	µg/L	5.	0.5	<0.019 U	<0.019 U	<0.06 U	<0.060 U	<0.018 U	<0.018 U	<0.018 U	<0.018 U	<0.018 U	<0.022	<0.095 U
Bromobenzene	µg/L	--	--	<0.030 U	<0.030 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.018	<0.15 U
Bromochloromethane	µg/L	--	--	<0.090 U	<0.090 U	<0.017 U	<0.017 U	<0.030 U	<0.030 U	<0.030 UQ	<0.030 UQ	<0.030 U	<0.034	<0.45 U
Bromodichloromethane	µg/L	0.6	0.06	<0.018 U	<0.018 U	<0.017 U	<0.017 U	<0.016 U	<0.016 U	<0.016 U	<0.016 U	<0.016 U	<0.019	<0.090 U
Bromoform	µg/L	4.4	0.44	<0.060 U	<0.060 U	<0.018 U	<0.018 U	<0.040 UZ	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.041	<0.30 U
Bromomethane	µg/L	10.	1.	<0.070 U	<0.070 U	<0.09 U	<0.090 U	<0.080 U	<0.080 U	<0.080 UZ	<0.080 UZ	<0.080 UY	<0.052	<0.35 U
Carbon disulfide	µg/L	1000.	200.	<0.080 U	<0.080 U	<0.11 U	<0.11 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.11	<0.40 U
Carbon tetrachloride	µg/L	5.	0.05	<0.029 U	<0.029 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.018	<0.15 U
Chlorobenzene	µg/L	--	--	<0.024 U	<0.024 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.12 U
Chloroethane	µg/L	400.	80.	<0.040 U	<0.040 U	<0.06 U	<0.060 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.40	<0.20 U
Chloroform	µg/L	6.	0.6	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.016	<0.15 U
Chloromethane	µg/L	30.	3.	0.1 JB	<0.040 U	<0.05 U	<0.050 U	<0.040 U	0.062 J	<0.040 U	<0.040 U	0.11 J	<0.045	<0.20 U
cis-1,2-Dichloroethene	µg/L	70.	7.	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.023	49.
cis-1,3-Dichloropropene	µg/L	0.4	0.04	<0.020 U	<0.020 U	<0.015 U	<0.015 U	<0.011 U	<0.011 U	<0.011 U	<0.011 U	<0.011 U	<0.014	<0.10 U
Dibromochloromethane	µg/L	60.	6.	<0.040 U	<0.040 U	<0.016 U	<0.016 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.016	<0.20 U
Dibromomethane	µg/L	--	--	<0.040 U	<0.040 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.018	<0.20 U
Dichlorodifluoromethane	µg/L	1000.	200.	<0.11 U	<0.11 U	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.091	<0.55 U
Diisopropyl ether	µg/L	--	--	<0.021 U	<0.021 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.02	<0.11 U
Ethylbenzene	µg/L	700.	140.	<0.019 U	<0.019 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.014	<0.095 U
Hexachlorobutadiene	µg/L	--	--	<0.070 U	<0.070 U	<0.07 U	<0.070 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.027	<0.35 U
Isopropylbenzene	µg/L	--	--	<0.060 U	<0.060 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.014	<0.30 U
m & p-Xylene	µg/L	2000.	400.	<0.050 U	<0.050 U	<0.12 U	<0.12 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.022	<0.25 U
Methyl tert-butyl ether	µg/L	60.	12.	<0.040 U	<0.040 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.014	<0.20 U
Methylene chloride	µg/L	5.	0.5	<0.15 U	<0.15 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	0.050 UZYQ	<0.090	1.3 J
Naphthalene	µg/L	100.	10.	<0.040 U	<0.040 U	<0.05 U	<0.050 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.025	<0.20 U
n-Butylbenzene	µg/L	--	--	<0.021 U	<0.021 U	<0.05 U	<0.050 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.021	<0.11 U
n-Propylbenzene	µg/L	--	--	<0.022 U	<0.022 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.11 U
o-Xylene	µg/L	2000.	400.	<0.027 U	<0.027 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.016	<0.14 U
p-Isopropyltoluene	µg/L	--	--	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.016	<0.15 U
sec-Butylbenzene	µg/L	--	--	<0.024 U	<0.024 U	<0.05 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.012	<0.12 U
Styrene	µg/L	100.	10.	<0.020 U	<0.020 U	<0.05 U	<0.050 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.014	<0.10 U
tert-Butylbenzene	µg/L	--	--	<0.025 U	<0.025 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.13 U
Tetrachloroethene	µg/L	5.	0.05	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.028	<0.15 U
Tetrahydrofuran	µg/L	50.	10.	<0.70 UY	<0.70 UY	<0.6 U	<0.60 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.38	<3.5 U
Toluene	µg/L	800.	160.	<0.027 U	<0.027 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.014	<0.14 U
trans-1,2-Dichloroethene	µg/L	100.	20.	<0.040 U	<0.040 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.020	9.5
trans-1,3-Dichloropropene	µg/L	0.4	0.04	<0.018 U	<0.018 U	<0.014 U	<0.014 U	<0.019 U	<0.019 U	<0.019 U	<0.019 U	<0.019 U	<0.020	<0.090 U
Trichloroethene	µg/L	5.	0.5	0.15	0.18	0.24	0.18	0.17	0.16 J	0.18	0.19	0.18	0.21	39.
Trichlorofluoromethane	µg/L	--	--	<0.024 U	<0.024 U	<0.05 U	<0.050 U	<0.090 U	<0.090 U	<0.090 U	<0.090 U	<0.090 U	<0.033	<0.12 U
Vinyl acetate	µg/L	--	--	<0.60 U	<0.60 U	<0.5 U	<0.50 U	<0.22 U	<0.22 U	<0.22 U	<0.22 U	<0.22 U	<0.14	<3.0 U
Vinyl chloride	µg/L	0.2	0.02	<0.019 U	<0.019 U	<0.016 U	<0.016 U	<0.019 U	<0.019 U	<0.019 U	<0.019 U	<0.019 U	<0.019	1.7

Table 3. Groundwater Quality Data, Oconomowoc Electroplating Company Inc. (OECI) Superfund Site Monitoring Wells

	Date Sampled:		5/6/2015	11/05/2015	5/11/2016	11/1/2016	5/9/2017	11/29/2017	11/8/2018	12/1/2021	12/11/2014	5/6/2015	11/05/2015	
	Units	NR140 ES	NR140 PAL	MW-12S	MW-12S	MW-12S	MW-12S	MW-12S	MW-12S	MW-12S	MW-12D	MW-12D	MW-12D	
Field Parameters														
Dissolved Oxygen (DO)	mg/L	--	--	0.00	1.12	0.00	0.00	1.05	0.00	0.74	1.65	6.46	0.00	4.79
Oxidation Reduction Potential	millivolts	--	--	16	-21	30	24	55	-27	-38	-56.3	-82	-70	-88
pH	pH-units	--	--	7.32	6.99	7.14	6.90	7.45	7.16	7.07	7.85	7.53	7.31	7.00
Specific Conductivity	umhos/cm	--	--	1050	920	1230	1020	1620	944	1121	974.09	1200	1060	974
Temperature	deg-C	--	--	7.11	14.00	12.03	12.18	7.65	15.42	10.25	9.50	7.90	8.68	15.02
Turbidity	ntu	--	--	18.2	36.3	12.	0.	26.2	26.2	101.	162.68	0.	1.4	2.2
Natural Attenuation Parameters														
Alkalinity, total (as CaCO ₃)	mg/L	--	--	350.	380.	380.	390.	410.	410.	400.	310.	390.	370.	410.
Chloride (as Cl)	mg/L	250.	125.	210.	180.	220.	230.	210.	250.	170.	190.	260 M	210.	200.
Iron, total (unfiltered)	mg/L	--	--	0.266	1.19	0.172	0.139	0.0994 J	0.0889 J	0.797 Y	0.374	1.26	0.967	1.35
Iron, dissolved (filtered)	mg/L	0.3	0.15	<0.010 U	0.109	<0.010 U	<0.059 U	<0.059 U	<0.059 U	<0.059 U	0.171	0.969	0.843	1.13
Manganese, total (unfiltered)	µg/L	--	--	132.	165.	117.	137.	118.	111.	142.	130.	29.7	31.9	39.
Manganese, dissolved (filtered)	µg/L	50.	25.	117.	132.	104.	139.	67.1	121.	119.	138.	33.1	29.9	32.7
Nitrate Nitrogen, total	mg/L	10.	2.	NA	NA	NA	NA	NA	NA	NA	<0.12	NA	NA	NA
Acetylene	µg/L	--	--	<0.23 U	<0.23 U	<0.23 U	<0.23 UY	<0.23 U	<0.23 U	<0.23 U	NA	<0.23 U	<0.46 U	<0.23 U
Ethane	µg/L	--	--	<0.60 U	<0.9 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.38	<0.60 U	<1.2 U	<0.9 U
Ethene	µg/L	--	--	<0.90 U	<1.2 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<1.2 U	<0.59	<0.90 U	<1.8 U	<1.2 U
Methane	µg/L	--	--	9.4	7.5	18.	6.9 M	1.2	1.3	2.2	21.	36.	27.	27.
Sulfate(as SO ₄)	mg/L	250.	125.	54.	51.	59.	50.	49.	53.	37.	21.	67.	60.	59.
Total Organic Carbon	mg/L	--	--	1.8	0.89 J	3.2	2.4	3.	2.	1.6	1.4	3.1	2.	1.7
VOCs														
1,1,1,2-Tetrachloroethane	µg/L	70.	7.	<0.15 U	<0.25 U	<0.25 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.013	<0.030 U	<0.030 U	<0.05 U
1,1,1-Trichloroethane	µg/L	200.	40.	41.	36.	29.	32.	35.	27.	29.	9.6	0.76	0.53	0.57
1,1,2,2-Tetrachloroethane	µg/L	0.2	0.02	<0.10 U	<0.1 U	<0.10 U	<0.085 U	<0.085 U	<0.085 U	<0.085 U	<0.015	<0.020 U	<0.020 U	<0.02 U
1,1,2-Trichloroethane	µg/L	5.	0.5	<0.35 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.036	<0.070 U	<0.070 U	<0.05 U
1,1-Dichloroethane	µg/L	850.	85.	18.	6.6	12.	14.	13.	6.7	9.8	1.1	10.	7.4	9.2
1,1-Dichloroethene	µg/L	7.	0.7	7.2	3.	4.4	5.1	5.2	2.5	3.1	0.17	0.46	0.28	0.41
1,1-Dichloropropene	µg/L	--	--	<0.40 U	<0.3 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.074	<0.080 U	<0.080 U	<0.06 U
1,2,3-Trichlorobenzene	µg/L	--	--	<0.20 U	<0.25 U	<0.25 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.019	<0.040 U	<0.040 U	<0.05 U
1,2,3-Trichloropropane	µg/L	60.	12.	<0.40 U	<0.2 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.031	<0.080 U	<0.080 U	<0.04 U
1,2,4-Trichlorobenzene	µg/L	70.	14.	<0.15 U	<0.2 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.022	<0.029 U	<0.029 U	<0.04 U
1,2,4-Trimethylbenzene	µg/L	480.	96.	<0.12 U	<0.25 U	<0.25 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.011	<0.024 U	<0.024 U	<0.05 U
1,2-Dibromo-3-chloropropane	µg/L	0.2	0.02	<0.25 U	<0.15 U	<0.15 U	<0.45 U	<0.45 U	<0.45 U	<0.45 U	<0.12	<0.050 U	<0.050 U	<0.03 U
1,2-Dibromoethane	µg/L	0.05	0.005	<0.20 U	<0.2 U	<0.20 U	<0.35 U	<0.35 U	<0.35 U	<0.35 U	<0.029	<0.040 U	<0.040 U	<0.04 U
1,2-Dichlorobenzene	µg/L	600.	60.	<0.13 U	<0.3 U	<0.30 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.016	<0.025 U	<0.025 U	<0.06 U
1,2-Dichloroethane	µg/L	5.	0.5	<0.12 U	<0.2 U	<0.20 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.017	0.061 J	0.052 J	0.062 J
1,2-Dichloropropane	µg/L	5.	0.5	<0.15 U	<0.3 U	<0.30 U	<0.35 U	<0.35 U	<0.35 U	<0.35 U	<0.013	<0.030 U	<0.030 U	<0.06 U
1,3,5-Trimethylbenzene	µg/L	480.	96.	<0.11 U	<0.3 U	<0.30 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.013	<0.022 U	<0.022 U	<0.06 U
1,3-Dichlorobenzene	µg/L	600.	120.	<0.11 U	<0.3 U	<0.30 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.013	0.084	0.038 J	<0.06 U
1,3-Dichloropropane	µg/L	--	--	<0.20 U	<0.2 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.020	<0.040 U	<0.040 U	<0.04 U
1,4-Dichlorobenzene	µg/L	75.	15.	<0.13 U	<0.25 U	<0.25 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.017	<0.026 U	<0.026 U	<0.05 U
1,4-Dioxane	µg/L	3.	0.3	NA	NA	NA	<35 U	<35 U	<35 U	<35 U	<7.0	NA	NA	NA
2,2-Dichloropropane	µg/L	--	--	<0.11 U	<0.2 U	<0.20 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.075	<0.022 U	<0.022 U	<0.04 U
2-Butanone (MEK)	µg/L	4000.	800.	<4.0 U	<4 U	<4.0 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<0.31	<0.80 U	<0.80 U	<0.8 U
2-Chlorotoluene	µg/L	--	--	<0.13 U	<0.3 U	<0.30 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.020	<0.025 U	<0.025 U	<0.06 U
2-Hexanone	µg/L	--	--	<2.0 U	<2 U	<2.0 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<0.15	<0.40 U	<0.40 U	<0.4 U
4-Chlorotoluene	µg/L	--	--	<0.15 U	<0.25 U	<0.25 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.013	<0.029 U	<0.029 U	<0.05 U
4-Methyl-2-pentanone (MIBK)	µg/L	500.	50.	<1.3 U	<2.0 U	<2.0 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<0.19	<0.26 U	<0.26 U	<0.4 U

Table 3. Groundwater Quality Data, Oconomowoc Electroplating Company Inc. (OECI) Superfund Site Monitoring Wells

	Date Sampled:			5/6/2015	11/05/2015	5/11/2016	11/1/2016	5/9/2017	11/29/2017	11/8/2018	12/1/2021	12/11/2014	5/6/2015	11/05/2015
	Units	NR140 ES	NR140 PAL	MW-12S	MW-12S	MW-12S	MW-12S	MW-12S	MW-12S	MW-12S	MW-12S	MW-12D	MW-12D	MW-12D
Acetone	µg/L	9000.	1800.	<6.5 UZ	<4.5 U	100 B	2.4 JB	4.8 JB	4.2 JB	4.2 JB	0.96	<1.3 UZ	<1.3 UZ	<0.9 U
Benzene	µg/L	5.	0.5	<0.095 U	<0.3 U	<0.30 U	0.098 J	<0.090 U	<0.090 U	0.11 J	<0.018	<0.019 U	<0.019 U	<0.06 U
Bromobenzene	µg/L	--	--	<0.15 U	<0.2 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.018	<0.030 U	<0.030 U	<0.04 U
Bromochloromethane	µg/L	--	--	<0.45 U	<0.085 U	<0.085 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.034	<0.090 U	<0.090 U	<0.017 U
Bromodichloromethane	µg/L	0.6	0.06	<0.090 U	<0.085 U	<0.085 U	<0.080 U	<0.080 U	<0.080 U	<0.080 U	<0.019	<0.018 U	<0.018 U	<0.017 U
Bromoform	µg/L	4.4	0.44	<0.30 U	<0.09 U	<0.090 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.041	<0.060 U	<0.060 U	<0.018 U
Bromomethane	µg/L	10.	1.	<0.35 U	<0.45 U	<0.45 U	<0.40 UZ	<0.40 U	<0.40 U	<0.40 U	<0.052	<0.070 U	<0.070 U	<0.09 U
Carbon disulfide	µg/L	1000.	200.	<0.40 U	<0.55 U	<0.55 U	<0.35 U	<0.35 U	<0.35 U	<0.35 U	<0.11	<0.080 U	<0.080 U	<0.11 U
Carbon tetrachloride	µg/L	5.	0.05	<0.15 U	<0.3 U	<0.30 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.018	<0.029 U	<0.029 U	<0.06 U
Chlorobenzene	µg/L	--	--	<0.12 U	<0.2 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	0.062	<0.024 U	<0.024 U	<0.04 U
Chloroethane	µg/L	400.	80.	<0.20 U	<0.3 U	<0.30 U	<0.35 U	<0.35 U	<0.35 U	<0.35 U	<0.40	<0.073 J	0.12 J	0.35
Chloroform	µg/L	6.	0.6	<0.15 U	<0.3 U	<0.30 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.016	<0.030 U	<0.030 U	<0.06 U
Chloromethane	µg/L	30.	3.	<0.20 U	<0.25 U	<0.25 U	<0.20 U	<0.20 U	<0.20 U	0.24 J	<0.045	0.078 JB	<0.040 U	<0.05 U
cis-1,2-Dichloroethene	µg/L	70.	7.	16.	24.	22.	20.	26.	19.	36.	19.	6.9	5.7	6.7
cis-1,3-Dichloropropene	µg/L	0.4	0.04	<0.10 U	<0.075 U	<0.075 U	<0.055 U	<0.055 U	<0.055 U	<0.055 U	<0.014	<0.020 U	<0.020 U	<0.015 U
Dibromochloromethane	µg/L	60.	6.	<0.20 U	<0.08 U	<0.080 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.016	<0.040 U	<0.040 U	<0.016 U
Dibromomethane	µg/L	--	--	<0.20 U	<0.3 U	<0.30 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.018	<0.040 U	<0.040 U	<0.06 U
Dichlorodifluoromethane	µg/L	1000.	200.	<0.55 U	<0.3 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.091	<0.11 U	<0.11 U	<0.06 U
Diisopropyl ether	µg/L	--	--	<0.11 U	<0.2 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.02	<0.021 U	<0.021 U	<0.04 U
Ethylbenzene	µg/L	700.	140.	<0.095 U	<0.3 U	<0.30 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.014	<0.019 U	<0.019 U	<0.06 U
Hexachlorobutadiene	µg/L	--	--	<0.35 U	<0.35 U	<0.35 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.027	<0.070 U	<0.070 U	<0.07 U
Isopropylbenzene	µg/L	--	--	<0.30 U	<0.25 U	<0.25 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.014	<0.060 U	<0.060 U	<0.05 U
m & p-Xylene	µg/L	2000.	400.	<0.25 U	<0.6 U	<0.60 U	<0.35 U	<0.35 U	<0.35 U	<0.35 U	<0.022	<0.050 U	<0.050 U	<0.12 U
Methyl tert-butyl ether	µg/L	60.	12.	<0.20 U	<0.2 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.014	0.41	0.48	0.47
Methylene chloride	µg/L	5.	0.5	<0.75 U	<0.3 U	1.4	1.5	2.7	<0.25 U	<0.25 U	<0.090	<0.15 U	<0.15 U	<0.06 U
Naphthalene	µg/L	100.	10.	<0.20 U	<0.25 U	<0.25 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.025	<0.040 U	<0.040 U	<0.05 U
n-Butylbenzene	µg/L	--	--	<0.11 U	<0.25 U	<0.25 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.021	<0.021 U	<0.021 U	<0.05 U
n-Propylbenzene	µg/L	--	--	<0.11 U	<0.25 U	<0.25 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.013	<0.022 U	<0.022 U	<0.05 U
o-Xylene	µg/L	2000.	400.	<0.14 U	<0.25 U	<0.25 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.016	<0.027 U	<0.027 U	<0.05 U
p-Isopropyltoluene	µg/L	--	--	<0.15 U	<0.3 U	<0.30 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.016	<0.030 U	<0.030 U	<0.06 U
sec-Butylbenzene	µg/L	--	--	<0.12 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.012	<0.024 U	<0.024 U	<0.05 U
Styrene	µg/L	100.	10.	<0.10 U	<0.25 U	<0.25 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.014	<0.020 U	<0.020 U	<0.05 U
tert-Butylbenzene	µg/L	--	--	<0.13 U	<0.3 U	<0.30 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.013	<0.025 U	<0.025 U	<0.06 U
Tetrachloroethene	µg/L	5.	0.05	<0.15 U	<0.3 U	<0.30 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.028	<0.030 U	<0.030 U	<0.06 U
Tetrahydrofuran	µg/L	50.	10.	<3.5 U	<3.0 U	<3.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<0.38	<0.70 U	<0.70 U	<0.6 U
Toluene	µg/L	800.	160.	<0.14 U	<0.3 U	<0.30 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.014	<0.027 U	<0.027 U	<0.06 U
trans-1,2-Dichloroethene	µg/L	100.	20.	10.	7.1	6.8	7.	6.8	5.1	5.3	1.8	0.82	0.76	0.76
trans-1,3-Dichloropropene	µg/L	0.4	0.04	<0.090 U	<0.07 U	<0.070 U	<0.095 U	<0.095 U	<0.095 U	<0.095 U	<0.020	<0.018 U	<0.018 U	<0.014 U
Trichloroethene	µg/L	5.	0.5	72.	54.	48.	61.	64.	51.	45.	2.6	0.11	0.12	0.11
Trichlorofluoromethane	µg/L	--	--	<0.12 U	<0.25 U	<0.25 U	<0.45 U	<0.45 U	<0.45 U	<0.45 U	<0.033	<0.024 U	<0.024 U	<0.05 U
Vinyl acetate	µg/L	--	--	<3.0 U	<2.5 U	<2.5 U	<1.1 U	<1.1 U	<1.1 U	<1.1 U	<0.14	<0.60 U	<0.60 U	<0.5 U
Vinyl chloride	µg/L	0.2	0.02	0.39	1.9	0.79	0.57	0.52	2.2	0.56	5.4	0.69	0.55	0.91

Table 3. Groundwater Quality Data, Oconomowoc Electroplating Company Inc. (OECI) Superfund Site Monitoring Wells

	Date Sampled:			5/11/2016	11/1/2016	5/9/2017	11/29/2017	11/7/2018	12/1/2021	12/11/2014	5/6/2015	11/05/2015	5/11/2016	11/1/2016
	Units	NR140 ES	NR140 PAL	MW-12D	MW-12D	MW-12D	MW-12D	MW-12D	MW-12D	MW-12B	MW-12B	MW-12B	MW-12B	MW-12B
Field Parameters														
Dissolved Oxygen (DO)	mg/L	--	--	0.00	0.39	0.22	0.00	0.63	0.74	0.40	2.03	0.22	0.93	0.79
Oxidation Reduction Potential	millivolts	--	--	49	-92	-34	-78	-90	-65	-153	51	-179	163	-190
pH	pH-units	--	--	7.26	6.98	7.44	7.45	7.14	7.76	8.58	8.54	7.79	8.39	7.77
Specific Conductivity	umhos/cm	--	--	1190	1150	1370	998	1077	1460.2	804	712	650	910	879
Temperature	deg-C	--	--	16.52	9.37	9.62	14.94	10.01	9.45	7.55	10.02	16.61	12.46	9.29
Turbidity	ntu	--	--	0.3	0.	0.	0.	24.7	164.09	0.	0.	0.	0.	0.
Natural Attenuation Parameters														
Alkalinity, total (as CaCO ₃)	mg/L	--	--	400.	410.	410.	430.	410.	410.	280.	270.	320.	310.	340.
Chloride (as Cl)	mg/L	250.	125.	220.	200.	180.	270.	200.	290.	150.	130.	130.	140.	140.
Iron, total (unfiltered)	mg/L	--	--	0.906	2.53	1.22	1.07	4.72	1.34	0.229	0.042 J	0.355	<0.020 U	0.394
Iron, dissolved (filtered)	mg/L	0.3	0.15	0.873	0.919	0.906	1.02	1.07	1.42	0.149	<0.010 U	0.32	<0.010 U	0.385
Manganese, total (unfiltered)	µg/L	--	--	29.5	40.3	30.3	31.	41.5	37.2	3.5 J	1.9 J	17.7	1.4 J	19.5
Manganese, dissolved (filtered)	µg/L	50.	25.	29.1	35.5	<2.2 U	33.4	39.	37.9	6.5	<1.6 U	12.9	<1.6 U	20.6
Nitrate Nitrogen, total	mg/L	10.	2.	NA	NA	NA	NA	NA	0.26	NA	NA	NA	NA	NA
Acetylene	µg/L	--	--	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23	NA	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U
Ethane	µg/L	--	--	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.80	<0.38	<0.60 U	<0.60 U	<0.9 U	<0.40 U	<0.40 U
Ethene	µg/L	--	--	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<1.2	<0.59	<0.90 U	<0.90 U	<1.2 U	<0.50 U	<0.50 U
Methane	µg/L	--	--	32.	2.9	1.7	3.3	9.1	23.	8.4	0.31 J	15.	3.	12.
Sulfate(as SO ₄)	mg/L	250.	125.	58.	51.	54.	65.	52.	120.	31.	29.	29.	30.	30.
Total Organic Carbon	mg/L	--	--	3.	2.4	2.9	1.9	2.1	3.7	0.86 J	0.47 J	<0.4 U	0.75 J	1 J
VOCs														
1,1,1,2-Tetrachloroethane	µg/L	70.	7.	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.030 U	<0.030 U	<0.05 U	<0.050 U	<0.040 U
1,1,1-Trichloroethane	µg/L	200.	40.	0.33	0.3	0.29	0.3	0.19	0.85	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.050 U
1,1,2,2-Tetrachloroethane	µg/L	0.2	0.02	<0.020 U	<0.017 U	<0.017 U	<0.017 U	<0.017 U	<0.015	<0.020 U	<0.020 U	<0.02 U	<0.020 U	<0.017 U
1,1,2-Trichloroethane	µg/L	5.	0.5	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.036	<0.070 U	<0.070 U	<0.05 U	<0.050 U	<0.050 U
1,1-Dichloroethane	µg/L	850.	85.	5.8	4.8	4.6	5.1	3.2	10.	<0.024 U	<0.024 U	<0.06 U	<0.060 U	<0.060 U
1,1-Dichloroethene	µg/L	7.	0.7	0.18 J	0.15 J	0.12 J	0.14 J	0.098 J	11.	<0.024 U	<0.024 U	<0.07 U	<0.070 U	<0.060 U
1,1-Dichloropropene	µg/L	--	--	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.074	<0.080 U	<0.080 U	<0.06 U	<0.060 U	<0.060 U
1,2,3-Trichlorobenzene	µg/L	--	--	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.019	<0.040 U	<0.040 U	<0.05 U	<0.050 U	<0.040 U
1,2,3-Trichloropropane	µg/L	60.	12.	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.031	<0.080 U	<0.080 U	<0.04 U	<0.040 U	<0.040 U
1,2,4-Trichlorobenzene	µg/L	70.	14.	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.022	<0.029 U	<0.029 U	<0.04 U	<0.040 U	<0.040 U
1,2,4-Trimethylbenzene	µg/L	480.	96.	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.011	<0.024 U	<0.024 U	<0.05 U	<0.050 U	<0.040 U
1,2-Dibromo-3-chloropropane	µg/L	0.2	0.02	<0.030 U	<0.090 U	<0.090 U	<0.090 U	<0.090 U	<0.12	<0.050 U	<0.050 U	<0.03 U	<0.030 U	<0.090 U
1,2-Dibromoethane	µg/L	0.05	0.005	<0.040 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.029	<0.040 U	<0.040 U	<0.04 U	<0.040 U	<0.070 U
1,2-Dichlorobenzene	µg/L	600.	60.	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.016	<0.025 U	<0.025 U	<0.06 U	<0.060 U	<0.040 U
1,2-Dichloroethane	µg/L	5.	0.5	<0.040 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	0.11	<0.024 U	<0.024 U	<0.04 U	<0.040 U	<0.050 U
1,2-Dichloropropane	µg/L	5.	0.5	<0.060 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.013	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.070 U
1,3,5-Trimethylbenzene	µg/L	480.	96.	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.013	<0.022 U	<0.022 U	<0.06 U	<0.060 U	<0.050 U
1,3-Dichlorobenzene	µg/L	600.	120.	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	0.12	0.038 J	<0.06 U	<0.060 U	<0.040 U
1,3-Dichloropropane	µg/L	--	--	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.020	<0.040 U	<0.040 U	<0.04 U	<0.040 U	<0.040 U
1,4-Dichlorobenzene	µg/L	75.	15.	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.017	<0.026 U	<0.026 U	<0.05 U	<0.050 U	<0.040 U
1,4-Dioxane	µg/L	3.	0.3	NA	<7.0 U	<7.0 U	<7.0 U	<7.0 U	31.	NA	NA	NA	NA	<7.0 U
2,2-Dichloropropane	µg/L	--	--	<0.040 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.075	<0.022 U	<0.022 U	<0.04 U	<0.040 U	<0.050 U
2-Butanone (MEK)	µg/L	4000.	800.	<0.80 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.31	<0.80 U	<0.80 U	<0.8 U	<0.80 U	<0.50 U
2-Chlorotoluene	µg/L	--	--	<0.060 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.020	<0.025 U	<0.025 U	<0.06 U	<0.060 U	<0.030 U
2-Hexanone	µg/L	--	--	<0.40 U	<0.24 U	<0.24 U	<0.24 U	<0.24 U	<0.15	<0.40 U	<0.40 U	<0.4 U	<0.40 U	<0.24 U
4-Chlorotoluene	µg/L	--	--	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.029 U	<0.029 U	<0.05 U	<0.050 U	<0.040 U
4-Methyl-2-pentanone (MIBK)	µg/L	500.	50.	<0.40 U	<0.24 U	<0.24 U	<0.24 U	<0.24 U	<0.19	<0.26 U	<0.26 U	<0.4 U	<0.40 U	<0.24 U

Table 3. Groundwater Quality Data, Oconomowoc Electroplating Company Inc. (OECI) Superfund Site Monitoring Wells

	Date Sampled:			5/11/2016	11/1/2016	5/9/2017	11/29/2017	11/7/2018	12/1/2021	12/11/2014	5/6/2015	11/05/2015	5/11/2016	11/1/2016
	Units	NR140 ES	NR140 PAL	MW-12D	MW-12D	MW-12D	MW-12D	MW-12D	MW-12D	MW-12B	MW-12B	MW-12B	MW-12B	MW-12B
Acetone	µg/L	9000.	1800.	<0.90 U	<0.30 U	0.57 JB	<0.30 U	0.38 JB	<0.84	<1.3 UZ	<1.3 UZ	<0.9 U	<0.90 U	<0.30 U
Benzene	µg/L	5.	0.5	<0.060 U	<0.018 U	<0.018 U	0.018 J	<0.018 U	0.05	<0.019 U	<0.019 U	<0.06 U	<0.060 U	<0.018 U
Bromobenzene	µg/L	--	--	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.018	<0.030 U	<0.030 U	<0.04 U	<0.040 U	<0.040 U
Bromochloromethane	µg/L	--	--	<0.017 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.034	<0.090 U	<0.090 U	<0.017 U	<0.017 U	<0.030 U
Bromodichloromethane	µg/L	0.6	0.06	<0.017 U	<0.016 U	<0.016 U	<0.016 U	<0.016 U	<0.019	<0.018 U	<0.018 U	<0.017 U	<0.017 U	<0.016 U
Bromoform	µg/L	4.4	0.44	<0.018 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.041	<0.060 U	<0.060 U	<0.018 U	<0.018 U	<0.040 U
Bromomethane	µg/L	10.	1.	<0.090 U	<0.080 UZ	<0.080 U	<0.080 U	<0.080 U	<0.052	<0.070 U	<0.070 U	<0.09 U	<0.090 U	<0.080 UZ
Carbon disulfide	µg/L	1000.	200.	<0.11 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.11	<0.080 U	<0.080 U	<0.11 U	<0.11 U	<0.070 U
Carbon tetrachloride	µg/L	5.	0.05	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.018	<0.029 U	<0.029 U	<0.06 U	<0.060 U	<0.050 U
Chlorobenzene	µg/L	--	--	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.024 U	<0.024 U	<0.04 U	<0.040 U	<0.040 U
Chloroethane	µg/L	400.	80.	0.53	<0.070 U	0.29	0.59	0.25	<0.40	<0.040 U	<0.040 U	<0.06 U	<0.060 U	<0.070 U
Chloroform	µg/L	6.	0.6	<0.060 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.016	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.030 U
Chloromethane	µg/L	30.	3.	<0.050 U	<0.040 U	0.091 JB	<0.040 U	0.21	<0.045	0.1 JB	<0.040 U	<0.05 U	<0.050 U	<0.040 U
cis-1,2-Dichloroethene	µg/L	70.	7.	5.4	5.3	6.3	6.4	5.8	62.	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.070 U
cis-1,3-Dichloropropene	µg/L	0.4	0.04	<0.015 U	<0.011 U	<0.011 U	<0.011 U	<0.011 U	<0.014	<0.020 U	<0.020 U	<0.015 U	<0.015 U	<0.011 U
Dibromochloromethane	µg/L	60.	6.	<0.016 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.016	<0.040 U	<0.040 U	<0.016 U	<0.016 U	<0.030 U
Dibromomethane	µg/L	--	--	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.018	<0.040 U	<0.040 U	<0.06 U	<0.060 U	<0.050 U
Dichlorodifluoromethane	µg/L	1000.	200.	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.091	<0.11 U	<0.11 U	<0.06 U	<0.060 U	<0.060 U
Diisopropyl ether	µg/L	--	--	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.02	<0.021 U	<0.021 U	<0.04 U	<0.040 U	<0.040 U
Ethylbenzene	µg/L	700.	140.	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.014	<0.019 U	<0.019 U	<0.06 U	<0.060 U	<0.040 U
Hexachlorobutadiene	µg/L	--	--	<0.070 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.027	<0.070 U	<0.070 U	<0.07 U	<0.070 U	<0.050 U
Isopropylbenzene	µg/L	--	--	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.014	<0.060 U	<0.060 U	<0.05 U	<0.050 U	<0.040 U
m & p-Xylene	µg/L	2000.	400.	<0.12 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.022	<0.050 U	<0.050 U	<0.12 U	<0.12 U	<0.070 U
Methyl tert-butyl ether	µg/L	60.	12.	0.59	0.58	0.64	0.58	0.69	0.41	<0.040 U	<0.040 U	<0.04 U	<0.040 U	<0.040 U
Methylene chloride	µg/L	5.	0.5	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.090	<0.15 U	<0.15 U	<0.06 U	<0.060 U	<0.050 U
Naphthalene	µg/L	100.	10.	<0.050 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.025	<0.040 U	<0.040 U	<0.05 U	<0.050 U	<0.030 U
n-Butylbenzene	µg/L	--	--	<0.050 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.021	<0.021 U	<0.021 U	<0.05 U	<0.050 U	<0.030 U
n-Propylbenzene	µg/L	--	--	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.022 U	<0.022 U	<0.05 U	<0.050 U	<0.040 U
o-Xylene	µg/L	2000.	400.	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.016	<0.027 U	<0.027 U	<0.05 U	<0.050 U	<0.040 U
p-Isopropyltoluene	µg/L	--	--	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.016	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.040 U
sec-Butylbenzene	µg/L	--	--	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.012	<0.024 U	<0.024 U	<0.05 U	<0.050 U	<0.050 U
Styrene	µg/L	100.	10.	<0.050 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.014	<0.020 U	<0.020 U	<0.05 U	<0.050 U	<0.030 U
tert-Butylbenzene	µg/L	--	--	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.025 U	<0.025 U	<0.06 U	<0.060 U	<0.040 U
Tetrachloroethene	µg/L	5.	0.05	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.028	0.065 J	<0.030 U	<0.06 U	<0.060 U	<0.050 U
Tetrahydrofuran	µg/L	50.	10.	0.68 JB,Z	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.38	<0.70 U	<0.70 U	<0.6 U	<0.60 U	<0.40 U
Toluene	µg/L	800.	160.	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.014	<0.027 U	<0.027 U	<0.06 U	<0.060 U	<0.040 U
trans-1,2-Dichloroethene	µg/L	100.	20.	0.5	0.44	0.4	0.43	0.28	6.7	<0.040 U	<0.040 U	<0.06 U	<0.060 U	<0.040 U
trans-1,3-Dichloropropene	µg/L	0.4	0.04	<0.014 U	<0.019 U	<0.019 U	<0.019 U	<0.019 U	<0.020	<0.018 U	<0.018 U	<0.014 U	<0.014 U	<0.019 U
Trichloroethene	µg/L	5.	0.5	0.1	0.1 J	0.11 J	0.11 J	0.099 J	0.64	0.022 J	<0.020 U	<0.03 U	<0.030 U	<0.050 U
Trichlorofluoromethane	µg/L	--	--	<0.050 U	<0.090 U	<0.090 U	<0.090 U	<0.090 U	<0.033	<0.024 U	<0.024 U	<0.05 U	<0.050 U	<0.090 U
Vinyl acetate	µg/L	--	--	<0.50 U	<0.22 U	<0.22 U	<0.22 U	<0.22 U	<0.14	<0.60 U	<0.60 U	<0.5 U	<0.50 U	<0.22 U
Vinyl chloride	µg/L	0.2	0.02	0.8	0.62	0.79	0.77	0.85	8.9	<0.019 U	<0.019 U	<0.016 U	<0.016 U	<0.019 U

Table 3. Groundwater Quality Data, Oconomowoc Electroplating Company Inc. (OECI) Superfund Site Monitoring Wells

	Date Sampled:													
	Units	NR140 ES	NR140 PAL	5/9/2017 MW-12B	11/29/2017 MW-12B	11/8/2018 MW-12B	12/1/2021 MW-12B	12/11/2014 MW-13S	5/6/2015 MW-13S	11/05/2015 MW-13S	5/13/2016 MW-13S	11/1/2016 MW-13S	5/9/2017 MW-13S	11/29/2017 MW-13S
Field Parameters														
Dissolved Oxygen (DO)	mg/L	--	--	0.70	0.00	0.37	2.42	10.09	5.81	1.87	3.78	4.08	4.41	0.02
Oxidation Reduction Potential	millivolts	--	--	-75	47	-164	-164.5	4	91	22	130	126	203	-14
pH	pH-units	--	--	8.27	7.60	7.71	9.22	7.61	7.52	7.08	7.35	6.74	7.51	7.12
Specific Conductivity	umhos/cm	--	--	1040	528	982	884.37	865	599	706	832	755	1090	692
Temperature	deg-C	--	--	10.84	13.55	9.63	9.92	5.48	10.34	14.19	12.29	12.90	11.62	16.09
Turbidity	ntu	--	--	0.	0.	0.	163.55	113.	11.3	9.	30.2	0.	62.	62.
Natural Attenuation Parameters														
Alkalinity, total (as CaCO ₃)	mg/L	--	--	340.	360.	360.	260.	310.	260.	320.	310.	330.	350.	360.
Chloride (as Cl)	mg/L	250.	125.	140.	180.	140.	150.	170.	70.	140.	120.	130.	150.	130.
Iron, total (unfiltered)	mg/L	--	--	0.268	0.362	0.209	0.158	2.74	0.688	0.734	2.	5.16	9.04	0.576
Iron, dissolved (filtered)	mg/L	0.3	0.15	0.226	0.347	0.167 J	0.109	0.0768	<0.010 U	0.111	0.0982	0.118 J	0.128 J	0.191 J
Manganese, total (unfiltered)	µg/L	--	--	12.2	22.1	17.8	6.1	45.3	7.8	24.8	28.3	62.	36,800	20.4
Manganese, dissolved (filtered)	µg/L	50.	25.	<2.2 U	23.	18.9	6.3	13.9	7.8	13.4	10.	13.9	<2.2 U	20.7
Nitrate Nitrogen, total	mg/L	10.	2.	NA	NA	NA	<0.12	NA	NA	NA	NA	NA	NA	NA
Acetylene	µg/L	--	--	<0.23 U	<0.23 U	<0.23 U	NA	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U
Ethane	µg/L	--	--	<0.40 U	<0.40 U	<0.80 U	<0.38	<0.60 U	<0.60 U	<0.9 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U
Ethene	µg/L	--	--	<0.50 U	<0.50 U	<1.2 U	<0.59	<0.90 U	<0.90 U	<1.2 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U
Methane	µg/L	--	--	2.2	13.	17.	20.	0.3 J	<0.30 U	<0.4 U	<0.40 U	0.43 J	<0.40 U	0.4 J
Sulfate(as SO ₄)	mg/L	250.	125.	30.	33.	27.	29.	18.	13.	16.	17.	17.	23.	24.
Total Organic Carbon	mg/L	--	--	1.2 J	<0.50 U	0.44 J	<0.4	6.7	2.3	<0.4 U	2.9	1.6 J	2.6	1.4 J
VOCs														
1,1,1,2-Tetrachloroethane	µg/L	70.	7.	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.030 U	<0.030 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U
1,1,1-Trichloroethane	µg/L	200.	40.	<0.050 U	<0.050 U	<0.050 U	<0.013	0.063 J	0.033 J	0.1 J	<0.060 U	0.11 J	0.051 J	0.067 J
1,1,2,2-Tetrachloroethane	µg/L	0.2	0.02	<0.017 U	<0.017 U	<0.017 U	<0.015	<0.020 U	<0.020 U	<0.02 U	<0.020 U	<0.017 U	<0.017 U	<0.017 U
1,1,2-Trichloroethane	µg/L	5.	0.5	<0.050 U	<0.050 U	<0.050 U	<0.036	<0.070 U	<0.070 U	<0.05 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U
1,1-Dichloroethane	µg/L	850.	85.	<0.060 U	<0.060 U	<0.060 U	<0.017	0.057 J	0.056 J	<0.06 U	<0.060 U	0.072 J	<0.060 U	<0.060 U
1,1-Dichloroethene	µg/L	7.	0.7	<0.060 U	<0.060 U	<0.060 U	<0.024	<0.024 U	<0.024 U	<0.07 U	<0.070 U	<0.060 U	<0.060 U	<0.060 U
1,1-Dichloropropene	µg/L	--	--	<0.060 U	<0.060 U	<0.060 U	<0.074	<0.080 U	<0.080 U	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U
1,2,3-Trichlorobenzene	µg/L	--	--	<0.040 U	<0.040 U	<0.040 U	<0.019	<0.040 U	<0.040 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U
1,2,3-Trichloropropane	µg/L	60.	12.	<0.040 U	<0.040 U	<0.040 U	<0.031	<0.080 U	<0.080 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
1,2,4-Trichlorobenzene	µg/L	70.	14.	<0.040 U	<0.040 U	<0.040 U	<0.022	<0.029 U	<0.029 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
1,2,4-Trimethylbenzene	µg/L	480.	96.	<0.040 U	<0.040 U	<0.040 U	<0.011	<0.024 U	<0.024 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U
1,2-Dibromo-3-chloropropane	µg/L	0.2	0.02	<0.090 U	<0.090 U	<0.090 U	<0.12	<0.050 U	<0.050 U	<0.03 U	<0.030 U	<0.090 U	<0.090 U	<0.090 U
1,2-Dibromoethane	µg/L	0.05	0.005	<0.070 U	<0.070 U	<0.070 U	<0.029	<0.040 U	<0.040 U	<0.04 U	<0.040 U	<0.070 U	<0.070 U	<0.070 U
1,2-Dichlorobenzene	µg/L	600.	60.	<0.040 U	<0.040 U	<0.040 U	<0.016	<0.025 U	<0.025 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U
1,2-Dichloroethane	µg/L	5.	0.5	<0.050 U	<0.050 U	<0.050 U	<0.017	<0.024 U	<0.024 U	<0.04 U	<0.040 U	<0.050 U	<0.050 U	<0.050 U
1,2-Dichloropropane	µg/L	5.	0.5	<0.070 U	<0.070 U	<0.070 U	<0.013	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.070 U	<0.070 U	<0.070 U
1,3,5-Trimethylbenzene	µg/L	480.	96.	<0.050 U	<0.050 U	<0.050 U	<0.013	<0.022 U	<0.022 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U
1,3-Dichlorobenzene	µg/L	600.	120.	<0.040 U	<0.040 U	<0.040 U	<0.013	0.14	0.03 J	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U
1,3-Dichloropropane	µg/L	--	--	<0.040 U	<0.040 U	<0.040 U	<0.020	<0.040 U	<0.040 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
1,4-Dichlorobenzene	µg/L	75.	15.	<0.040 U	<0.040 U	<0.040 U	<0.017	<0.026 U	<0.026 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U
1,4-Dioxane	µg/L	3.	0.3	<7.0 U	<7.0 U	<7.0 U	<7.0	NA	NA	NA	NA	<7.0 U	<7.0 U	<7.0 U
2,2-Dichloropropane	µg/L	--	--	<0.050 U	<0.050 U	<0.050 U	<0.075	<0.022 U	<0.022 U	<0.04 U	<0.040 U	<0.050 U	<0.050 U	<0.050 U
2-Butanone (MEK)	µg/L	4000.	800.	<0.50 U	<0.50 U	<0.50 U	<0.31	<0.80 U	<0.80 U	<0.8 U	<0.80 U	<0.50 U	<0.50 U	<0.50 U
2-Chlorotoluene	µg/L	--	--	<0.030 U	<0.030 U	<0.030 U	<0.020	<0.025 U	<0.025 U	<0.06 U	<0.060 U	<0.030 U	<0.030 U	<0.030 U
2-Hexanone	µg/L	--	--	<0.24 U	<0.24 U	<0.24 U	<0.15	<0.40 U	<0.40 U	<0.4 U	<0.40 U	<0.24 U	<0.24 U	<0.24 U
4-Chlorotoluene	µg/L	--	--	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.029 U	<0.029 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U
4-Methyl-2-pentanone (MIBK)	µg/L	500.	50.	<0.24 U	<0.24 U	<0.24 U	<0.19	<0.26 U	<0.26 U	<0.4 U	<0.40 U	<0.24 U	<0.24 U	<0.24 U

Table 3. Groundwater Quality Data, Oconomowoc Electroplating Company Inc. (OECI) Superfund Site Monitoring Wells

	Date Sampled:		5/9/2017	11/29/2017	11/8/2018	12/1/2021	12/11/2014	5/6/2015	11/05/2015	5/13/2016	11/1/2016	5/9/2017	11/29/2017	
	Units	NR140 ES	NR140 PAL	MW-12B	MW-12B	MW-12B	MW-12B	MW-13S	MW-13S	MW-13S	MW-13S	MW-13S	MW-13S	
Acetone	µg/L	9000.	1800.	0.39 JB	<0.30 U	0.64 JB	<0.84	<1.3 UZ	<1.3 UZ	<0.9 U	<0.90 U	<0.30 U	0.52 JB	<0.30 U
Benzene	µg/L	5.	0.5	<0.018 U	<0.018 U	<0.018 U	<0.022	<0.019 U	<0.019 U	<0.06 U	<0.060 U	<0.018 U	<0.018 U	<0.018 U
Bromobenzene	µg/L	--	--	<0.040 U	<0.040 U	<0.040 U	<0.018	<0.030 U	<0.030 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
Bromochloromethane	µg/L	--	--	<0.030 U	<0.030 U	<0.030 U	<0.034	<0.090 U	<0.090 U	<0.017 U	<0.017 U	<0.030 U	<0.030 U	<0.030 U
Bromodichloromethane	µg/L	0.6	0.06	<0.016 U	<0.016 U	<0.016 U	<0.019	<0.018 U	<0.018 U	<0.017 U	<0.017 U	<0.016 U	<0.016 U	<0.016 U
Bromoform	µg/L	4.4	0.44	<0.040 U	<0.040 U	<0.040 U	<0.041	<0.060 U	<0.060 U	<0.018 U	<0.018 U	<0.040 U	<0.040 U	<0.040 U
Bromomethane	µg/L	10.	1.	<0.080 U	<0.080 U	<0.080 U	<0.052	<0.070 U	<0.070 U	<0.09 U	<0.090 UZ	<0.080 UZ	<0.080 U	<0.080 U
Carbon disulfide	µg/L	1000.	200.	<0.070 U	<0.070 U	<0.070 U	<0.11	<0.080 U	<0.080 U	<0.11 U	<0.11 U	<0.070 U	<0.070 U	<0.070 U
Carbon tetrachloride	µg/L	5.	0.05	<0.050 U	<0.050 U	<0.050 U	<0.018	<0.029 U	<0.029 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U
Chlorobenzene	µg/L	--	--	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.024 U	<0.024 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
Chloroethane	µg/L	400.	80.	<0.070 U	<0.070 U	<0.070 U	<0.40	<0.040 U	<0.040 U	<0.06 U	<0.060 U	<0.070 U	<0.070 U	<0.070 U
Chloroform	µg/L	6.	0.6	<0.030 U	<0.030 U	<0.030 U	<0.016	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.030 U	<0.030 U	<0.030 U
Chloromethane	µg/L	30.	3.	0.063 JB	<0.040 U	0.16	<0.045	0.082 JB	<0.040 U	<0.05 U	<0.050 U	<0.040 U	0.14 B	<0.040 U
cis-1,2-Dichloroethene	µg/L	70.	7.	<0.070 U	<0.070 U	<0.070 U	<0.023	0.045 J	0.13	0.16 J	<0.060 U	0.25	1.	2.1
cis-1,3-Dichloropropene	µg/L	0.4	0.04	<0.011 U	<0.011 U	<0.011 U	<0.014	<0.020 U	<0.020 U	<0.015 U	<0.015 U	<0.011 U	<0.011 U	<0.011 U
Dibromochloromethane	µg/L	60.	6.	<0.030 U	<0.030 U	<0.030 U	<0.016	<0.040 U	<0.040 U	<0.016 U	<0.016 U	<0.030 U	<0.030 U	<0.030 U
Dibromomethane	µg/L	--	--	<0.050 U	<0.050 U	<0.050 U	<0.018	<0.040 U	<0.040 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U
Dichlorodifluoromethane	µg/L	1000.	200.	<0.060 U	<0.060 U	<0.060 U	<0.091	<0.11 U	<0.11 U	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U
Diisopropyl ether	µg/L	--	--	<0.040 U	<0.040 U	<0.040 U	<0.02	<0.021 U	<0.021 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
Ethylbenzene	µg/L	700.	140.	<0.040 U	<0.040 U	<0.040 U	<0.014	<0.019 U	<0.019 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U
Hexachlorobutadiene	µg/L	--	--	<0.050 U	<0.050 U	<0.050 U	<0.027	<0.070 U	<0.070 U	<0.07 U	<0.070 U	<0.050 U	<0.050 U	<0.050 U
Isopropylbenzene	µg/L	--	--	<0.040 U	<0.040 U	<0.040 U	<0.014	<0.060 U	<0.060 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U
m & p-Xylene	µg/L	2000.	400.	<0.070 U	<0.070 U	<0.070 U	<0.022	<0.050 U	<0.050 U	<0.12 U	<0.12 U	<0.070 U	<0.070 U	<0.070 U
Methyl tert-butyl ether	µg/L	60.	12.	<0.040 U	<0.040 U	<0.040 U	<0.014	<0.040 U	<0.040 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
Methylene chloride	µg/L	5.	0.5	<0.050 U	<0.050 U	<0.050 U	<0.090	<0.15 U	<0.15 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U
Naphthalene	µg/L	100.	10.	<0.030 U	<0.030 U	<0.030 U	<0.025	<0.040 U	<0.040 U	<0.05 U	<0.050 U	<0.030 U	<0.030 U	<0.030 U
n-Butylbenzene	µg/L	--	--	<0.030 U	<0.030 U	<0.030 U	<0.021	<0.021 U	<0.021 U	<0.05 U	<0.050 U	<0.030 U	<0.030 U	<0.030 U
n-Propylbenzene	µg/L	--	--	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.022 U	<0.022 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U
o-Xylene	µg/L	2000.	400.	<0.040 U	<0.040 U	<0.040 U	<0.016	<0.027 U	<0.027 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U
p-Isopropyltoluene	µg/L	--	--	<0.040 U	<0.040 U	<0.040 U	<0.016	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U
sec-Butylbenzene	µg/L	--	--	<0.050 U	<0.050 U	<0.050 U	<0.012	<0.024 U	<0.024 U	<0.05 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U
Styrene	µg/L	100.	10.	<0.030 U	<0.030 U	<0.030 U	<0.014	<0.020 U	<0.020 U	<0.05 U	<0.050 U	<0.030 U	<0.030 U	<0.030 U
tert-Butylbenzene	µg/L	--	--	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.025 U	<0.025 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U
Tetrachloroethene	µg/L	5.	0.05	<0.050 U	<0.050 U	<0.050 U	<0.028	0.035 J	0.032 J	0.064 J	<0.060 U	0.097 J	0.054 J	<0.050 U
Tetrahydrofuran	µg/L	50.	10.	<0.40 U	<0.40 U	<0.40 U	<0.38	<0.70 U	<0.70 U	<0.6 U	<0.60 U	<0.40 U	<0.40 U	<0.40 U
Toluene	µg/L	800.	160.	<0.040 U	<0.040 U	<0.040 U	<0.014	<0.027 U	<0.027 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U
trans-1,2-Dichloroethene	µg/L	100.	20.	<0.040 U	<0.040 U	<0.040 U	<0.020	<0.040 U	<0.040 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	0.05 J
trans-1,3-Dichloropropene	µg/L	0.4	0.04	<0.019 U	<0.019 U	<0.019 U	<0.020	<0.018 U	<0.018 U	<0.014 U	<0.014 U	<0.019 U	<0.019 U	<0.019 U
Trichloroethene	µg/L	5.	0.5	<0.050 U	<0.050 U	<0.050 U	<0.022	0.11	0.037 J	0.13	0.051 J	0.18	<0.050 U	0.099 J
Trichlorofluoromethane	µg/L	--	--	<0.090 U	<0.090 U	<0.090 U	<0.033	<0.024 U	<0.024 U	<0.05 U	<0.050 U	<0.090 U	<0.090 U	<0.090 U
Vinyl acetate	µg/L	--	--	<0.22 U	<0.22 U	<0.22 U	<0.14	<0.60 U	<0.60 U	<0.5 U	<0.50 U	<0.22 U	<0.22 U	<0.22 U
Vinyl chloride	µg/L	0.2	0.02	<0.019 U	<0.019 U	<0.019 U	<0.019	<0.019 U	<0.019 U	<0.016 U	<0.016 U	<0.019 U	<0.019 U	<0.019 U

Table 3. Groundwater Quality Data, Oconomowoc Electroplating Company Inc. (OECI) Superfund Site Monitoring Wells

	Date Sampled:		11/8/2018	12/6/2021	12/6/2021	12/11/2014	5/6/2015	11/05/2015	5/13/2016	11/1/2016	5/9/2017	11/29/2017	11/8/2018	
	Units	NR140 ES	NR140 PAL	MW-13S	MW-13S	MW-13S DUP	MW-13D	MW-13D	MW-13D	MW-13D	MW-13D	MW-13D	MW-13D	
Field Parameters														
Dissolved Oxygen (DO)	mg/L	--	--	3.70	4.54	NA	2.21	0.00	0.20	0.00	0.19	0.65	0.00	0.69
Oxidation Reduction Potential	millivolts	--	--	-46	17	NA	-72	-62	-74	-56	-83	-37	-73	-92
pH	pH-units	--	--	7.19	7.88	NA	7.57	7.42	7.02	7.20	7.05	7.55	7.38	7.18
Specific Conductivity	umhos/cm	--	--	991	814.79	NA	1070	967	908	1140	1070	1370	904	1088
Temperature	deg-C	--	--	10.55	8.79	NA	7.53	11.59	14.52	11.41	8.58	9.83	16.14	10.77
Turbidity	ntu	--	--	9.4	162.8	NA	0.	0.1	2.4	116.	0.	163.	163.	7.7
Natural Attenuation Parameters														
Alkalinity, total (as CaCO ₃)	mg/L	--	--	350.	270.	270.	350.	340.	380.	360.	380.	390.	390.	380.
Chloride (as Cl)	mg/L	250.	125.	160.	110.	110.	230.	190.	180.	190.	170.	170.	220.	180.
Iron, total (unfiltered)	mg/L	--	--	17.6	0.375	0.399	1.79	0.772	1.21	28.5	1.42	12.8	1.28	1.66
Iron, dissolved (filtered)	mg/L	0.3	0.15	0.0715 J	<0.027	<0.027	0.898	0.67	0.801	0.814	0.753	0.736	0.799	0.781
Manganese, total (unfiltered)	µg/L	--	--	233.	50.4	55.8	31.7	31.8	38.6	3.62	33.	28.1	31.6	32.7
Manganese, dissolved (filtered)	µg/L	50.	25.	16.5	<1.2	<1.2	31.9	27.	34.3	29.7	31.9	<2.2 U	31.1	34.6
Nitrate Nitrogen, total	mg/L	10.	2.	NA	4.3	4.3	NA	NA	NA	NA	NA	NA	NA	NA
Acetylene	µg/L	--	--	<0.23 U	NA	NA	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U
Ethane	µg/L	--	--	<0.80 U	<0.38	<0.38	<0.60 U	<0.60 U	<0.9 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.80 U
Ethene	µg/L	--	--	<1.2 U	<0.59	<0.59	<0.90 U	<0.90 U	<1.2 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<1.2 U
Methane	µg/L	--	--	<0.40 U	<0.45	<0.45	21.	18.	20.	28.	24.	7.1	15.	3.3
Sulfate(as SO ₄)	mg/L	250.	125.	21.	15.	14.	64.	52.	50.	49.	46.	45.	62.	44.
Total Organic Carbon	mg/L	--	--	2.5	0.67	0.87	9.5	2.	0.45 J	1.8	1.6 J	2.1	1.5 J	1.1 J
VOCs														
1,1,1,2-Tetrachloroethane	µg/L	70.	7.	<0.040 U	<0.013	<0.013	<0.030 U	<0.030 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
1,1,1-Trichloroethane	µg/L	200.	40.	<0.050 U	<0.013	<0.013	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U
1,1,2,2-Tetrachloroethane	µg/L	0.2	0.02	<0.017 U	<0.015	<0.015	<0.020 U	<0.020 U	<0.02 U	<0.020 U	<0.017 U	<0.017 U	<0.017 U	<0.017 U
1,1,2-Trichloroethane	µg/L	5.	0.5	<0.050 U	<0.036	<0.036	<0.070 U	<0.070 U	<0.05 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U
1,1-Dichloroethane	µg/L	850.	85.	<0.060 U	<0.017	<0.017	<0.024 U	<0.024 U	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U
1,1-Dichloroethene	µg/L	7.	0.7	<0.060 U	<0.024	<0.024	<0.024 U	<0.024 U	<0.07 U	<0.070 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U
1,1-Dichloropropene	µg/L	--	--	<0.060 U	<0.074	<0.074	<0.080 U	<0.080 U	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U
1,2,3-Trichlorobenzene	µg/L	--	--	<0.040 U	<0.019	<0.019	<0.040 U	<0.040 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
1,2,3-Trichloropropane	µg/L	60.	12.	<0.040 U	<0.031	<0.031	<0.080 U	<0.080 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
1,2,4-Trichlorobenzene	µg/L	70.	14.	<0.040 U	<0.022	<0.022	<0.029 U	<0.029 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
1,2,4-Trimethylbenzene	µg/L	480.	96.	<0.040 U	<0.011	<0.011	<0.024 U	<0.024 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
1,2-Dibromo-3-chloropropane	µg/L	0.2	0.02	<0.090 U	<0.012	<0.12	<0.050 U	<0.050 U	<0.03 U	<0.030 U	<0.090 U	<0.090 U	<0.090 U	<0.090 U
1,2-Dibromoethane	µg/L	0.05	0.005	<0.070 U	<0.029	<0.029	<0.040 U	<0.040 U	<0.04 U	<0.040 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U
1,2-Dichlorobenzene	µg/L	600.	60.	<0.040 U	<0.016	<0.016	<0.025 U	<0.025 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
1,2-Dichloroethane	µg/L	5.	0.5	<0.050 U	<0.017	<0.017	<0.024 U	<0.024 U	<0.04 U	<0.040 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U
1,2-Dichloropropane	µg/L	5.	0.5	<0.070 U	<0.013	<0.013	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U
1,3,5-Trimethylbenzene	µg/L	480.	96.	<0.050 U	<0.013	<0.013	<0.022 U	<0.022 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U
1,3-Dichlorobenzene	µg/L	600.	120.	<0.040 U	<0.013	<0.013	0.14	<0.021 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
1,3-Dichloropropane	µg/L	--	--	<0.040 U	<0.020	<0.020	<0.040 U	<0.040 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
1,4-Dichlorobenzene	µg/L	75.	15.	<0.040 U	<0.017	<0.017	<0.026 U	<0.026 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
1,4-Dioxane	µg/L	3.	0.3	<7.0 U	<7.0	<7.0	NA	NA	NA	NA	<7.0 U	<7.0 U	<7.0 U	<7.0 U
2,2-Dichloropropane	µg/L	--	--	<0.050 U	<0.075	<0.075	<0.022 U	<0.022 U	<0.04 U	<0.040 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U
2-Butanone (MEK)	µg/L	4000.	800.	<0.50 U	<0.31	<0.31	<0.80 U	<0.80 U	<0.8 U	<0.80 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U
2-Chlorotoluene	µg/L	--	--	<0.030 U	<0.020	<0.020	<0.025 U	<0.025 U	<0.06 U	<0.060 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U
2-Hexanone	µg/L	--	--	<0.24 U	<0.15	<0.15	<0.40 U	<0.40 U	<0.4 U	<0.40 U	<0.24 U	<0.24 U	<0.24 U	<0.24 U
4-Chlorotoluene	µg/L	--	--	<0.040 U	<0.013	<0.013	<0.029 U	<0.029 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
4-Methyl-2-pentanone (MIBK)	µg/L	500.	50.	<0.24 U	<0.19	<0.19	<0.26 U	<0.26 U	<0.4 U	<0.40 U	<0.24 U	<0.24 U	<0.24 U	<0.24 U

Table 3. Groundwater Quality Data, Oconomowoc Electroplating Company Inc. (OECI) Superfund Site Monitoring Wells

	Date Sampled:			11/8/2018	12/6/2021	12/6/2021	12/11/2014	5/6/2015	11/05/2015	5/13/2016	11/1/2016	5/9/2017	11/29/2017	11/8/2018
	Units	NR140 ES	NR140 PAL	MW-13S	MW-13S	MW-13S DUP	MW-13D	MW-13D	MW-13D	MW-13D	MW-13D	MW-13D	MW-13D	MW-13D
Acetone	µg/L	9000.	1800.	0.61 JB	2.9	2.7	<1.3 UZ	<1.3 UZ	<0.9 U	<0.90 U	<0.30 U	0.46 JB	<0.30 U	0.61 JB
Benzene	µg/L	5.	0.5	<0.018 U	<0.022	<0.022	<0.019 U	<0.019 U	<0.06 U	<0.060 U	<0.018 U	<0.018 U	<0.018 U	<0.018 U
Bromobenzene	µg/L	--	--	<0.040 U	<0.018	<0.018	<0.030 U	<0.030 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
Bromochloromethane	µg/L	--	--	<0.030 U	<0.034	<0.034	<0.090 U	<0.090 U	<0.017 U	<0.017 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U
Bromodichloromethane	µg/L	0.6	0.06	<0.016 U	<0.019	<0.019	<0.018 U	<0.018 U	<0.017 U	<0.017 U	<0.016 U	<0.016 U	<0.016 U	<0.016 U
Bromoform	µg/L	4.4	0.44	<0.040 U	<0.041	<0.041	<0.060 U	<0.060 U	<0.018 U	<0.018 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
Bromomethane	µg/L	10.	1.	<0.080 U	<0.052	<0.052	<0.070 U	<0.070 U	<0.09 U	<0.090 UZ	<0.080 UZ	<0.080 UZ	<0.080 UZ	<0.080 UZ
Carbon disulfide	µg/L	1000.	200.	<0.070 U	<0.11	<0.11	<0.080 U	<0.080 U	<0.11 U	<0.11 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U
Carbon tetrachloride	µg/L	5.	0.05	<0.050 U	<0.018	<0.018	<0.029 U	<0.029 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U
Chlorobenzene	µg/L	--	--	<0.040 U	<0.013	<0.013	<0.024 U	<0.024 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
Chloroethane	µg/L	400.	80.	<0.070 U	<0.40	<0.40	<0.040 U	<0.040 U	<0.06 U	<0.060 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U
Chloroform	µg/L	6.	0.6	1.	<0.016	<0.016	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U
Chloromethane	µg/L	30.	3.	0.15	0.11	0.19	0.087 JB	<0.040 U	<0.05 U	<0.050 U	<0.040 U	0.099 JB	<0.040 U	0.097 J
cis-1,2-Dichloroethene	µg/L	70.	7.	0.41	0.064	0.055	1.5	1.4	1.7	1.6	1.7	2.	1.9	2.
cis-1,3-Dichloropropene	µg/L	0.4	0.04	<0.011 U	<0.014	<0.014	<0.020 U	<0.020 U	<0.015 U	<0.015 U	<0.011 U	<0.011 U	<0.011 U	<0.011 U
Dibromochloromethane	µg/L	60.	6.	<0.030 U	<0.016	<0.016	<0.040 U	<0.040 U	<0.016 U	<0.016 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U
Dibromomethane	µg/L	--	--	<0.050 U	<0.018	<0.018	<0.040 U	<0.040 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U
Dichlorodifluoromethane	µg/L	1000.	200.	<0.060 U	<0.091	<0.091	<0.11 U	<0.11 U	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U
Diisopropyl ether	µg/L	--	--	<0.040 U	<0.02	<0.02	<0.021 U	<0.021 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
Ethylbenzene	µg/L	700.	140.	<0.040 U	<0.014	<0.014	<0.019 U	<0.019 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
Hexachlorobutadiene	µg/L	--	--	<0.050 U	<0.027	<0.027	<0.070 U	<0.070 U	<0.07 U	<0.070 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U
Isopropylbenzene	µg/L	--	--	<0.040 U	<0.014	<0.014	<0.060 U	<0.060 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
m & p-Xylene	µg/L	2000.	400.	<0.070 U	<0.022	<0.022	<0.050 U	<0.050 U	<0.12 U	<0.12 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U
Methyl tert-butyl ether	µg/L	60.	12.	<0.040 U	<0.014	<0.014	0.44	0.45	0.49	0.53	0.52	0.57	0.5	0.6
Methylene chloride	µg/L	5.	0.5	<0.050 U	<0.090	<0.090	<0.15 U	<0.15 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U
Naphthalene	µg/L	100.	10.	<0.030 U	<0.025	<0.025	<0.040 U	<0.040 U	<0.05 U	<0.050 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U
n-Butylbenzene	µg/L	--	--	<0.030 U	<0.021	<0.021	<0.021 U	<0.021 U	<0.05 U	<0.050 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U
n-Propylbenzene	µg/L	--	--	<0.040 U	<0.013	<0.013	<0.022 U	<0.022 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
o-Xylene	µg/L	2000.	400.	<0.040 U	<0.016	<0.016	<0.027 U	<0.027 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
p-Isopropyltoluene	µg/L	--	--	<0.040 U	<0.016	<0.016	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
sec-Butylbenzene	µg/L	--	--	<0.050 U	<0.012	<0.012	<0.024 U	<0.024 U	<0.05 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U
Styrene	µg/L	100.	10.	<0.030 U	<0.014	<0.014	<0.020 U	<0.020 U	<0.05 U	<0.050 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U
tert-Butylbenzene	µg/L	--	--	<0.040 U	<0.013	<0.013	<0.025 U	<0.025 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
Tetrachloroethene	µg/L	5.	0.05	<0.050 U	<0.028	<0.028	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U
Tetrahydrofuran	µg/L	50.	10.	<0.40 U	<0.38	<0.38	<0.70 U	<0.70 U	<0.6 U	<0.60 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U
Toluene	µg/L	800.	160.	<0.040 U	<0.014	<0.014	<0.027 U	<0.027 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
trans-1,2-Dichloroethene	µg/L	100.	20.	<0.040 U	<0.020	<0.020	0.055 J	0.07 J	<0.06 U	<0.060 U	0.064 J	0.068 J	0.05 J	0.089 J
trans-1,3-Dichloropropene	µg/L	0.4	0.04	<0.019 U	<0.020	<0.020	<0.018 U	<0.018 U	<0.014 U	<0.014 U	<0.019 U	<0.019 U	<0.019 U	<0.019 U
Trichloroethene	µg/L	5.	0.5	0.18	0.15	0.13	0.032 J	0.022 J	0.045 J	<0.030 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U
Trichlorofluoromethane	µg/L	--	--	<0.090 U	<0.033	<0.033	<0.024 U	<0.024 U	<0.05 U	<0.050 U	<0.090 U	<0.090 U	<0.090 U	<0.090 U
Vinyl acetate	µg/L	--	--	<0.22 U	<0.14	<0.14	<0.60 U	<0.60 U	<0.5 U	<0.50 U	<0.22 U	1.8	<0.22 U	<0.22 U
Vinyl chloride	µg/L	0.2	0.02	<0.019 U	<0.019	<0.019	0.043 J	0.044 J	0.052	0.046 J	0.035 J	0.032 J	0.024 J	0.044 J

Table 3. Groundwater Quality Data, Oconomowoc Electroplating Company Inc. (OECI) Superfund Site Monitoring Wells

	Date Sampled:													
	Units	NR140 ES	NR140 PAL	12/6/2021 MW-13D	12/8/2014 MW-15S	5/7/2015 MW-15S	11/06/2015 MW-15S	5/13/2016 MW-15S	11/4/2016 MW-15S	5/11/2017 MW-15S	11/30/2017 MW-15S	11/15/2018 MW-15S	12/2/2021 MW-15S	12/9/2014 MW-15D
Field Parameters														
Dissolved Oxygen (DO)	mg/L	--	--	1.31	3.68	7.63	2.14	4.97	1.92	5.88	3.58	5.84	1.42	0.71
Oxidation Reduction Potential	millivolts	--	--	-66	43	77	20	228	13	214	54	31	1.9	144
pH	pH-units	--	--	9.28	7.44	7.00	6.70	7.45	6.70	7.35	7.14	7.17	7.67	7.11
Specific Conductivity	umhos/cm	--	--	1496.4	583	779	1490	826	1220	463	586	766	1481.9	987
Temperature	deg-C	--	--	9.28	10.17	11.35	13.10	15.77	8.77	12.86	15.87	12.47	12.30	10.61
Turbidity	ntu	--	--	159.17	0.	0.	0.	0.	0.	0.	0.	0.	181.09	0.
Natural Attenuation Parameters														
Alkalinity, total (as CaCO ₃)	mg/L	--	--	420.	300.	220.	340.	310.	290.	310.	310.	310.	330.	350.
Chloride (as Cl)	mg/L	250.	125.	260.	96.	190.	130.	120.	34.	25.	290.	84.	270.	220.
Iron, total (unfiltered)	mg/L	--	--	1.39	<0.020 U	<0.020 U	0.062 J	<0.020 U	<0.034 U	<0.034 U	<0.034U	<0.034 U	1.51	0.265
Iron, dissolved (filtered)	mg/L	0.3	0.15	1.42	0.0221 J	0.0206 J	<0.01 U	<0.010 U	<0.059 U	<0.059 U	<0.059U	<0.059 U	<0.027	0.014 J
Manganese, total (unfiltered)	µg/L	--	--	48.2	8.7	4.7 J	20.7	10.4	16.2	30.1	7.2J	3.9 J	235.	269.
Manganese, dissolved (filtered)	µg/L	50.	25.	48.8	19.3	<1.6 U	18.5	4.5 J	<2.2 U	<2.2 U	5.8J	<2.2 U	13.5	235.
Nitrate Nitrogen, total	mg/L	10.	2.	<0.12	NA	NA	NA	NA	NA	NA	NA	NA	1.6	NA
Acetylene	µg/L	--	--	NA	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 UM	<0.23U	<0.23 U	NA	<0.23 U
Ethane	µg/L	--	--	<0.38	<0.60 U	<0.60 U	<0.9 U	<0.40 U	<0.40 U	<0.40 U	<0.40U	<0.40 U	<0.38	<0.60 U
Ethene	µg/L	--	--	<0.59	<0.90 U	<0.90 U	<1.2 U	<0.50 U	<0.50 U	<0.50 UM	<0.50U	<1.2 U	0.59	<0.90 U
Methane	µg/L	--	--	11.	1.1	<0.30 U	<0.4 U	<0.40 U	<0.40 U	<0.40 U	2.6	<0.40 U	1.3	2.9
Sulfate(as SO ₄)	mg/L	250.	125.	120.	11.	9.5	17.	19.	6.8	6.8	9.2	8.8	20.	43.
Total Organic Carbon	mg/L	--	--	2.1	0.96 J	1.3 J	<0.4 U	2.5	1.4 J	2.9	0.95J	1.6	1.7	1.5
VOCs														
1,1,1,2-Tetrachloroethane	µg/L	70.	7.	<0.013	<0.030 U	<0.030 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.030 U
1,1,1-Trichloroethane	µg/L	200.	40.	<0.013	0.051 J	<0.030 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.013	<0.030 U
1,1,2,2-Tetrachloroethane	µg/L	0.2	0.02	<0.015	<0.020 U	<0.020 U	<0.02 U	<0.020 U	<0.017 U	<0.017 U	<0.017 U	<0.017 U	<0.015	<0.020 U
1,1,2-Trichloroethane	µg/L	5.	0.5	<0.036	<0.070 U	<0.070 U	<0.05 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.036	<0.070 U
1,1-Dichloroethane	µg/L	850.	85.	<0.017	0.11	<0.024 U	0.2	0.074 J	<0.060 U	<0.060 U	<0.060 U	<0.060 U	0.052	0.026 J
1,1-Dichloroethene	µg/L	7.	0.7	<0.024	<0.024 U	<0.024 U	<0.07 U	<0.070 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.024	0.052 J
1,1-Dichloropropene	µg/L	--	--	<0.074	<0.080 U	<0.080 U	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.074	<0.080 U
1,2,3-Trichlorobenzene	µg/L	--	--	<0.019	<0.040 U	<0.040 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.019	<0.040 U
1,2,3-Trichloropropane	µg/L	60.	12.	<0.031	<0.080 U	<0.080 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.031	<0.080 U
1,2,4-Trichlorobenzene	µg/L	70.	14.	<0.022	<0.029 U	<0.029 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.022	<0.029 U
1,2,4-Trimethylbenzene	µg/L	480.	96.	<0.011	<0.024 U	<0.024 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	0.022	<0.024 U
1,2-Dibromo-3-chloropropane	µg/L	0.2	0.02	<0.12	<0.050 U	<0.050 U	<0.03 U	<0.030 U	<0.090 U	<0.090 U	<0.090 U	<0.090 U	<0.12	<0.050 U
1,2-Dibromoethane	µg/L	0.05	0.005	<0.029	<0.040 U	<0.040 U	<0.04 U	<0.040 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.029	<0.040 U
1,2-Dichlorobenzene	µg/L	600.	60.	<0.016	<0.025 U	<0.025 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.016	<0.025 U
1,2-Dichloroethane	µg/L	5.	0.5	0.17	<0.024 U	<0.024 U	<0.04 U	<0.040 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.017	<0.024 U
1,2-Dichloropropane	µg/L	5.	0.5	<0.013	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.013	<0.030 U
1,3,5-Trimethylbenzene	µg/L	480.	96.	<0.013	<0.022 U	<0.022 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.013	<0.022 U
1,3-Dichlorobenzene	µg/L	600.	120.	<0.013	0.11	<0.021 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	0.13
1,3-Dichloropropane	µg/L	--	--	<0.020	<0.040 U	<0.040 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.020	<0.040 U
1,4-Dichlorobenzene	µg/L	75.	15.	<0.017	<0.026 U	<0.026 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.017	<0.026 U
1,4-Dioxane	µg/L	3.	0.3	<7.0	NA	NA	NA	NA	<7.0 U	<7.0 U	<7.0 U	<7.0 U	12.	NA
2,2-Dichloropropane	µg/L	--	--	<0.075	<0.022 U	<0.022 U	<0.04 U	<0.040 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.075	<0.022 U
2-Butanone (MEK)	µg/L	4000.	800.	<0.31	<0.80 U	<0.80 U	<0.8 U	<0.80 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.31	<0.80 U
2-Chlorotoluene	µg/L	--	--	<0.020	<0.025 U	<0.025 U	<0.06 U	<0.060 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.020	<0.025 U
2-Hexanone	µg/L	--	--	<0.15	<0.40 U	<0.40 U	<0.4 U	<0.40 U	<0.24 U	<0.24 U	<0.24 U	<0.24 U	<0.15	<0.40 U
4-Chlorotoluene	µg/L	--	--	<0.013	<0.029 U	<0.029 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.029 U
4-Methyl-2-pentanone (MIBK)	µg/L	500.	50.	<0.19	<0.26 U	<0.26 U	<0.4 U	<0.40 U	<0.24 U	<0.24 U	<0.24 U	<0.24 U	<0.19	<0.26 U

Table 3. Groundwater Quality Data, Oconomowoc Electroplating Company Inc. (OECI) Superfund Site Monitoring Wells

	Date Sampled:			12/6/2021	12/8/2014	5/7/2015	11/06/2015	5/13/2016	11/4/2016	5/11/2017	11/30/2017	11/15/2018	12/2/2021	12/9/2014
	Units	NR140 ES	NR140 PAL	MW-13D	MW-15S	MW-15S	MW-15S	MW-15S	MW-15S	MW-15S	MW-15S	MW-15S	MW-15S	MW-15D
Acetone	µg/L	9000.	1800.	<0.84	<1.3 UZ	<1.3 UZ	<0.9 U	<0.90 U	<0.30 U	0.41 JB	<0.30 U	0.38 JB	<0.84	<1.3 UZ
Benzene	µg/L	5.	0.5	<0.022	<0.019 U	<0.019 U	<0.06 U	<0.060 U	<0.018 U	<0.018 U	<0.018 U	<0.018 U	<0.022	<0.019 U
Bromobenzene	µg/L	--	--	<0.018	<0.030 U	<0.030 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.018	<0.030 U
Bromochloromethane	µg/L	--	--	<0.034	<0.090 U	<0.090 U	<0.017 U	<0.017 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.034	<0.090 U
Bromodichloromethane	µg/L	0.6	0.06	<0.019	<0.018 U	<0.018 U	<0.017 U	<0.017 U	<0.016 U	<0.016 U	<0.016 U	<0.016 U	<0.019	<0.018 U
Bromoform	µg/L	4.4	0.44	<0.041	<0.060 U	<0.060 U	<0.018 U	<0.018 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.041	<0.060 U
Bromomethane	µg/L	10.	1.	<0.052	<0.070 U	<0.070 U	<0.09 U	<0.090 U	<0.080 UZ	<0.080 U	<0.080 U	<0.080 UY	<0.052	<0.070 U
Carbon disulfide	µg/L	1000.	200.	<0.11	<0.080 U	<0.080 U	<0.11 U	<0.11 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.11	<0.080 U
Carbon tetrachloride	µg/L	5.	0.05	<0.018	<0.029 U	<0.029 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.018	<0.029 U
Chlorobenzene	µg/L	--	--	<0.013	<0.024 U	<0.024 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	0.25
Chloroethane	µg/L	400.	80.	<0.40	<0.040 U	<0.040 U	<0.06 U	<0.060 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.40	<0.040 U
Chloroform	µg/L	6.	0.6	<0.016	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.016	<0.030 U
Chloromethane	µg/L	30.	3.	<0.045	0.055 JB	<0.040 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	0.093 J	<0.045	0.04 JB
cis-1,2-Dichloroethene	µg/L	70.	7.	13.	0.052 J	<0.030 U	<0.06 U	0.16 J	<0.070 U	<0.070 U	0.16J	<0.070 U	2.1	3.1
cis-1,3-Dichloropropene	µg/L	0.4	0.04	<0.014	<0.020 U	<0.020 U	<0.015 U	<0.015 U	<0.011 U	<0.011 U	<0.011U	<0.011 U	<0.014	<0.020 U
Dibromochloromethane	µg/L	60.	6.	<0.016	<0.040 U	<0.040 U	<0.040 U	<0.016 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.016	<0.040 U
Dibromomethane	µg/L	--	--	<0.018	<0.040 U	<0.040 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.018	<0.040 U
Dichlorodifluoromethane	µg/L	1000.	200.	<0.091	<0.11 U	<0.11	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.091	<0.11 U
Diisopropyl ether	µg/L	--	--	<0.02	<0.021 U	<0.021 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.02	<0.021 U
Ethylbenzene	µg/L	700.	140.	<0.014	<0.019 U	<0.019 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	0.022	<0.019 U
Hexachlorobutadiene	µg/L	--	--	<0.027	<0.070 U	<0.070 U	<0.07 U	<0.070 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.027	<0.070 U
Isopropylbenzene	µg/L	--	--	<0.014	<0.060 U	<0.060 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.014	<0.060 U
m & p-Xylene	µg/L	2000.	400.	<0.022	<0.050 U	<0.050 U	<0.12 U	<0.12 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	0.032	<0.050 U
Methyl tert-butyl ether	µg/L	60.	12.	0.94	<0.040 U	<0.040 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.014	<0.040 U
Methylene chloride	µg/L	5.	0.5	<0.090	<0.15 U	<0.15 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 UYQ	<0.090	<0.15 U
Naphthalene	µg/L	100.	10.	<0.025	<0.040 U	<0.040 U	<0.05 U	<0.050 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.025	<0.040 U
n-Butylbenzene	µg/L	--	--	<0.021	<0.021 U	<0.021 U	<0.05 U	<0.050 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.021	<0.021 U
n-Propylbenzene	µg/L	--	--	<0.013	<0.022 U	<0.022 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.022 U
o-Xylene	µg/L	2000.	400.	<0.016	<0.027 U	<0.027 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.016	<0.027 U
p-Isopropyltoluene	µg/L	--	--	<0.016	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.016	<0.030 U
sec-Butylbenzene	µg/L	--	--	<0.012	<0.024 U	<0.024 U	<0.05 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.012	<0.024 U
Styrene	µg/L	100.	10.	<0.014	<0.020 U	<0.020 U	<0.05 U	<0.050 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.014	<0.020 U
tert-Butylbenzene	µg/L	--	--	<0.013	<0.025 U	<0.025 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.025 U
Tetrachloroethene	µg/L	5.	0.05	<0.028	0.07 J	<0.030 U	0.075 J	<0.060 U	<0.050 U	<0.050 U	0.051 J	<0.050 U	0.075	<0.030 U
Tetrahydrofuran	µg/L	50.	10.	<0.38	<0.70 U	<0.70 U	<0.6 U	<0.60 UB	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.38	<0.70 U
Toluene	µg/L	800.	160.	<0.014	<0.027 U	<0.027 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	0.048	<0.027 U
trans-1,2-Dichloroethene	µg/L	100.	20.	0.67	<0.040 U	<0.040 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.020	0.086 J
trans-1,3-Dichloropropene	µg/L	0.4	0.04	<0.020	<0.018 U	<0.018 U	<0.014 U	<0.014 U	<0.019 U	<0.019 U	<0.019 U	<0.019 U	<0.020	<0.018 U
Trichloroethene	µg/L	5.	0.5	<0.022	0.11	<0.020 U	0.051 J	0.098 J	<0.050 U	<0.050 U	0.058 J	<0.050 U	0.078	9.
Trichlorofluoromethane	µg/L	--	--	<0.033	<0.024 U	<0.024 U	<0.05 U	<0.050 U	<0.090 U	<0.090 U	<0.090 U	<0.090 U	<0.033	<0.024 U
Vinyl acetate	µg/L	--	--	<0.14	<0.60 U	<0.60 U	<0.5 U	<0.50 U	<0.22 U	<0.22 U	<0.22 U	<0.22 U	<0.14	<0.60 U
Vinyl chloride	µg/L	0.2	0.02	0.25	<0.019 U	<0.019 U	<0.016 U	<0.016 U	<0.019 U	<0.019 U	<0.019 U	<0.019 U	<0.019	0.02 J

Table 3. Groundwater Quality Data, Oconomowoc Electroplating Company Inc. (OECI) Superfund Site Monitoring Wells

	Date Sampled:		5/7/2015	11/06/2015	5/16/2016	11/4/2016	5/11/2017	11/30/2017	11/15/2018	12/2/2021	12/8/2014	5/7/2015	11/06/2015	
	Units	NR140 ES	NR140 PAL	MW-15D	MW-15D	MW-15D	MW-15D	MW-15D	MW-15D	MW-15D	MW-15D	MW-15B	MW-15B	
Field Parameters														
Dissolved Oxygen (DO)	mg/L	--	--	0.30	2.55	0.00	8.71	0.03	0.00	0.51	1.87	1.18	0.13	0.32
Oxidation Reduction Potential	millivolts	--	--	47	45	158	114	133	23	-27	-26.1	-131	-121	-128
pH	pH-units	--	--	6.78	6.67	7.19	7.43	7.06	7.18	7.06	7.76	7.28	6.81	6.93
Specific Conductivity	umhos/cm	--	--	995	920	1140	528	956	842	947	874.03	508	586	552
Temperature	deg-C	--	--	12.95	12.35	15.91	6.43	13.27	17.03	11.78	12.01	9.17	13.62	12.28
Turbidity	ntu	--	--	0.	1.6	0.3	0.	0.	0.	0.8	152.14	48.	0.05	0.
Natural Attenuation Parameters														
Alkalinity, total (as CaCO ₃)	mg/L	--	--	350.	340.	370.	400.	390.	390.	350.	280.	410.	390.	420.
Chloride (as Cl)	mg/L	250.	125.	190.	180.	45.	200.	160.	200.	83.	140.	13.	9.2	8.6 M
Iron, total (unfiltered)	mg/L	--	--	0.0481 J	0.0353 J	0.147	0.0418 J	0.051 J	<0.034U	0.0404 J	0.743	2.27	2.29	3.31
Iron, dissolved (filtered)	mg/L	0.3	0.15	0.0222 J	<0.01 U	<0.010 U	<0.059 U	<0.059 U	<0.059U	<0.059 U	<0.027	2.07	2.25	2.45
Manganese, total (unfiltered)	µg/L	--	--	301.	256.	226.	237.	168.	51.2	260.	276.	631.	516.	548.
Manganese, dissolved (filtered)	µg/L	50.	25.	311.	251.	225.	227.	159.	54.5	238.	221.	550.	521.	539.
Nitrate Nitrogen, total	mg/L	10.	2.	NA	NA	NA	NA	NA	NA	NA	<0.12	NA	NA	NA
Acetylene	µg/L	--	--	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23U	<0.23 U	NA	<0.23 U	<0.23 U	<0.23 U
Ethane	µg/L	--	--	<0.60 U	<0.9 U	<0.40 U	<0.40 U	<0.40 U	<0.40U	<0.40 U	<0.38	<0.60 U	5.7	<0.9 U
Ethene	µg/L	--	--	<0.90 U	<1.2 U	<0.50 U	<0.50 U	<0.50 U	<0.50U	<1.2 U	<0.59	<0.90 U	<0.90 U	<1.2 U
Methane	µg/L	--	--	2.1	1.8	2.8	1 J	<0.40 U	1.2	6.6	9.7	590.	720.	580.
Sulfate(as SO ₄)	mg/L	250.	125.	54.	42.	210.	49.	44.	50.	21.	16.	16.	8.9	6.
Total Organic Carbon	mg/L	--	--	2.2	0.68 J	2.9	2.8	3.8	1.8	2.1	1.7	0.68 J	1.2 J	<0.4 U
VOCs														
1,1,1,2-Tetrachloroethane	µg/L	70.	7.	<0.030 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.030 U	<0.030 U	<0.05 U
1,1,1-Trichloroethane	µg/L	200.	40.	<0.030 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.013	<0.030 U	<0.030 U	<0.06 U
1,1,2,2-Tetrachloroethane	µg/L	0.2	0.02	<0.020 U	<0.02 U	<0.020 U	<0.017 U	<0.017 U	<0.017 U	<0.017 U	<0.015	<0.020 U	<0.020 U	<0.02 U
1,1,2-Trichloroethane	µg/L	5.	0.5	<0.070 U	<0.05 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.036	<0.070 U	<0.070 U	<0.05 U
1,1-Dichloroethane	µg/L	850.	85.	0.033 J	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.017	<0.024 U	<0.024 U	<0.06 U
1,1-Dichloroethene	µg/L	7.	0.7	0.071 J	<0.07 U	<0.070 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.024	<0.024 U	<0.024 U	<0.07 U
1,1-Dichloropropene	µg/L	--	--	<0.080 U	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.074	<0.080 U	<0.080 U	<0.06 U
1,2,3-Trichlorobenzene	µg/L	--	--	<0.040 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.019	<0.040 U	<0.040 U	<0.05 U
1,2,3-Trichloropropane	µg/L	60.	12.	<0.080 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.031	<0.080 U	<0.080 U	<0.04 U
1,2,4-Trichlorobenzene	µg/L	70.	14.	<0.029 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.022	<0.029 U	<0.029 U	<0.04 U
1,2,4-Trimethylbenzene	µg/L	480.	96.	<0.024 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.011	<0.024 U	<0.024 U	<0.05 U
1,2-Dibromo-3-chloropropane	µg/L	0.2	0.02	<0.050 U	<0.03 U	<0.030 U	<0.090 U	<0.090 U	<0.090 U	<0.090 U	<0.12	<0.050 U	<0.050 U	<0.03 U
1,2-Dibromoethane	µg/L	0.05	0.005	<0.040 U	<0.04 U	<0.040 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.029	<0.040 U	<0.040 U	<0.04 U
1,2-Dichlorobenzene	µg/L	600.	60.	<0.025 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.016	<0.025 U	<0.025 U	<0.06 U
1,2-Dichloroethane	µg/L	5.	0.5	<0.024 U	<0.04 U	<0.040 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.017	<0.024 U	<0.024 U	<0.04 U
1,2-Dichloropropane	µg/L	5.	0.5	<0.030 U	<0.06 U	<0.060 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.013	<0.030 U	<0.030 U	<0.06 U
1,3,5-Trimethylbenzene	µg/L	480.	96.	<0.022 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.013	<0.022 U	<0.022 U	<0.06 U
1,3-Dichlorobenzene	µg/L	600.	120.	<0.021 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	0.13	0.031 J	<0.06 U
1,3-Dichloropropane	µg/L	--	--	<0.040 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.020	<0.040 U	<0.040 U	<0.04 U
1,4-Dichlorobenzene	µg/L	75.	15.	<0.026 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.017	<0.026 U	<0.026 U	<0.05 U
1,4-Dioxane	µg/L	3.	0.3	NA	NA	NA	<7.0 U	<7.0 U	<7.0 U	<7.0 U	<7.0	NA	NA	NA
2,2-Dichloropropane	µg/L	--	--	<0.022 U	<0.04 U	<0.040 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.075	<0.022 U	<0.022 U	<0.04 U
2-Butanone (MEK)	µg/L	4000.	800.	<0.80 U	<0.8 U	<0.80 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.31	<0.80 U	<0.80 U	<0.8 U
2-Chlorotoluene	µg/L	--	--	<0.025 U	<0.06 U	<0.060 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.020	<0.025 U	<0.025 U	<0.06 U
2-Hexanone	µg/L	--	--	<0.40 U	<0.4 U	<0.40 U	<0.24 U	<0.24 U	<0.24 U	<0.24 U	<0.15	<0.40 U	<0.40 U	<0.4 U
4-Chlorotoluene	µg/L	--	--	<0.029 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.029 U	<0.029 U	<0.05 U
4-Methyl-2-pentanone (MIBK)	µg/L	500.	50.	<0.26 U	<0.4 U	<0.40 U	<0.24 U	<0.24 U	<0.24 U	<0.24 U	<0.19	<0.26 U	<0.26 U	<0.4 U

Table 3. Groundwater Quality Data, Oconomowoc Electroplating Company Inc. (OECI) Superfund Site Monitoring Wells

	Date Sampled:			5/7/2015	11/06/2015	5/16/2016	11/4/2016	5/11/2017	11/30/2017	11/15/2018	12/2/2021	12/8/2014	5/7/2015	11/06/2015
	Units	NR140 ES	NR140 PAL	MW-15D	MW-15D	MW-15D	MW-15D	MW-15D	MW-15D	MW-15D	MW-15D	MW-15B	MW-15B	MW-15B
Acetone	µg/L	9000.	1800.	<1.3 U	<0.9 U	<0.90 U	<0.30 U	0.72 JB	<0.30 U	0.33 JB	<0.84	<1.3 UZ	<1.3 U	<0.9 U
Benzene	µg/L	5.	0.5	<0.019 U	<0.06 U	<0.060 U	0.023 J	0.019 J	<0.018 U	<0.018 U	<0.022	<0.019 U	<0.019 U	<0.06 U
Bromobenzene	µg/L	--	--	<0.030 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.018	<0.030 U	<0.030 U	<0.04 U
Bromochloromethane	µg/L	--	--	<0.090 U	<0.017 U	<0.017 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.034	<0.090 U	<0.090 U	<0.017 U
Bromodichloromethane	µg/L	0.6	0.06	<0.018 U	<0.017 U	<0.017 U	<0.016 U	<0.016 U	<0.016 U	<0.016 U	<0.019	<0.018 U	<0.018 U	<0.017 U
Bromoform	µg/L	4.4	0.44	<0.060 U	<0.018 U	<0.018 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.041	<0.060 U	<0.060 U	<0.018 U
Bromomethane	µg/L	10.	1.	<0.070 UQ,Z	<0.09 U	<0.090 U	<0.080 UZ	<0.080 U	<0.080 U	<0.080 UY	<0.052	<0.070 U	<0.070 UQ,Z	<0.09 U
Carbon disulfide	µg/L	1000.	200.	<0.080 U	<0.11 U	<0.11 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.11	<0.080 U	<0.080 U	<0.11 U
Carbon tetrachloride	µg/L	5.	0.05	<0.029 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.018	<0.029 U	<0.029 U	<0.06 U
Chlorobenzene	µg/L	--	--	0.25	0.24	0.28	0.24	0.23	0.25	0.19	0.21	<0.024 U	<0.024 U	<0.04 U
Chloroethane	µg/L	400.	80.	<0.040 U	<0.06 U	<0.060 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.40	<0.040 U	<0.040 U	<0.06 U
Chloroform	µg/L	6.	0.6	<0.030 U	<0.06 U	<0.060 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.016	<0.030 U	<0.030 U	<0.06 U
Chloromethane	µg/L	30.	3.	<0.040 U	0.077 J	<0.050 U	<0.040 U	0.044 J	<0.040 U	0.043 J	<0.045	0.068 JB	<0.040 U	<0.05 U
cis-1,2-Dichloroethene	µg/L	70.	7.	3.8	2.5	3.9	2.2	1.4	3.8	1.7	3.9	<0.030 U	<0.030 U	<0.06 U
cis-1,3-Dichloropropene	µg/L	0.4	0.04	<0.020 U	<0.015 U	<0.015 U	<0.011 U	<0.011 U	<0.011 U	<0.011 U	<0.014	<0.020 U	<0.020 U	<0.015 U
Dibromochloromethane	µg/L	60.	6.	<0.040 U	<0.016 U	<0.016 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.016	<0.040 U	<0.040 U	<0.016 U
Dibromomethane	µg/L	--	--	<0.040 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.018	<0.040 U	<0.040 U	<0.06 U
Dichlorodifluoromethane	µg/L	1000.	200.	<0.11 U	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.091	<0.11 U	<0.11 U	<0.06 U
Diisopropyl ether	µg/L	--	--	<0.021 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.02	<0.021 U	<0.021 U	<0.04 U
Ethylbenzene	µg/L	700.	140.	<0.019 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.014	<0.019 U	<0.019 U	<0.06 U
Hexachlorobutadiene	µg/L	--	--	<0.070 U	<0.07 U	<0.070 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.027	<0.070 U	<0.070 U	<0.07 U
Isopropylbenzene	µg/L	--	--	<0.060 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.014	<0.060 U	<0.060 U	<0.05 U
m & p-Xylene	µg/L	2000.	400.	<0.050 U	<0.12 U	<0.12 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.022	<0.050 U	<0.050 U	<0.12 U
Methyl tert-butyl ether	µg/L	60.	12.	<0.040 U	<0.04 U	0.043 J	<0.040 U	<0.040 U	0.098 J	<0.040 U	<0.014	<0.040 U	<0.040 U	<0.04 U
Methylene chloride	µg/L	5.	0.5	<0.15 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	0.050 UZYQ	<0.090	<0.15 U	<0.15 U	<0.06 U
Naphthalene	µg/L	100.	10.	<0.040 U	<0.05 U	<0.050 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.025	<0.040 U	<0.040 U	<0.05 U
n-Butylbenzene	µg/L	--	--	<0.021 U	<0.05 U	<0.050 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.021	<0.021 U	<0.021 U	<0.05 U
n-Propylbenzene	µg/L	--	--	<0.022 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.022 U	<0.022 U	<0.05 U
o-Xylene	µg/L	2000.	400.	<0.027 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.016	<0.027 U	<0.027 U	<0.05 U
p-Isopropyltoluene	µg/L	--	--	<0.030 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.016	<0.030 U	<0.030 U	<0.06 U
sec-Butylbenzene	µg/L	--	--	<0.024 U	<0.05 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.012	<0.024 U	<0.024 U	<0.05 U
Styrene	µg/L	100.	10.	<0.020 U	<0.05 U	<0.050 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.014	<0.020 U	<0.020 U	<0.05 U
tert-Butylbenzene	µg/L	--	--	<0.025 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.025 U	<0.025 U	<0.06 U
Tetrachloroethene	µg/L	5.	0.05	<0.030 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.028	<0.030 U	<0.030 U	<0.06 U
Tetrahydrofuran	µg/L	50.	10.	<0.70 U	<0.6 U	<0.60 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.38	<0.70 U	<0.70 U	<0.6 U
Toluene	µg/L	800.	160.	<0.027 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.014	<0.027 U	<0.027 U	<0.06 U
trans-1,2-Dichloroethene	µg/L	100.	20.	0.17	0.1 J	0.19 J	0.099 J	0.077 J	0.097 J	0.064 J	0.11	<0.040 U	<0.040 U	<0.06 U
trans-1,3-Dichloropropene	µg/L	0.4	0.04	<0.018 U	<0.014 U	<0.014 U	<0.019 U	<0.019 U	<0.019 U	<0.019 U	<0.020	<0.018 U	<0.018 U	<0.014 U
Trichloroethene	µg/L	5.	0.5	12.	9.8	12.	9.8	10.	9.5	7.9	7.3	<0.020 U	<0.020 U	<0.03 U
Trichlorofluoromethane	µg/L	--	--	<0.024 U	<0.05 U	<0.050 U	<0.090 U	<0.090 U	<0.090 U	<0.090 U	<0.033	<0.024 U	<0.024 U	<0.05 U
Vinyl acetate	µg/L	--	--	<0.60 U	<0.5 U	<0.50 U	<0.22 U	<0.22 U	<0.22 U	<0.22 U	<0.14	<0.60 U	<0.60 U	<0.5 U
Vinyl chloride	µg/L	0.2	0.02	<0.019 U	0.03 J	<0.016 U	<0.019 U	<0.019 U	<0.019 U	<0.019 U	<0.019	<0.019 U	<0.019 U	<0.016 U

Table 3. Groundwater Quality Data, Oconomowoc Electroplating Company Inc. (OECI) Superfund Site Monitoring Wells

	Date Sampled:		5/13/2016	11/4/2016	5/11/2017	11/30/2017	11/15/2018	12/2/2021	12/11/2014	5/8/2015	11/05/2015	5/13/2016	11/4/2016
	Units	NR140 ES	NR140 PAL	MW-15B	MW-15B	MW-15B	MW-15B	MW-15B	MW-15B	MW-16S	MW-16S	MW-16S	MW-16S
Field Parameters										Not Sampled.			
Dissolved Oxygen (DO)	mg/L	--	--	0.00	0.29	1.40	0.00	0.27	1.72	9.96	0.36	0.00	0.05
Oxidation Reduction Potential	millivolts	--	--	-129	-115	-92	-132	-172	-90.5	-90	-80	-73	-123
pH	pH-units	--	--	7.35	7.33	7.23	7.81	6.97	7.54	6.44	6.48	7.01	7.07
Specific Conductivity	umhos/cm	--	--	709	695	549	537	4540	2692.8	299	2510	2730	2690
Temperature	deg-C	--	--	13.52	3.20	13.47	15.75	10.86	11.83	9.96	13.53	15.36	6.32
Turbidity	ntu	--	--	1.3	0.	0.	0.	0.	175.9	19.2	11.4	2.8	0.
Natural Attenuation Parameters													
Alkalinity, total (as CaCO ₃)	mg/L	--	--	440.	450.	450.	450.	260.	240.	680.	720.	730.	690.
Chloride (as Cl)	mg/L	250.	125.	2.3	8.6	8.	9.2	1400.	730.	260.	230.	250.	220.
Iron, total (unfiltered)	mg/L	--	--	2.14	2.35	2.33	2.17	4.42	9.57	7.73	6.35	58.3	5.83
Iron, dissolved (filtered)	mg/L	0.3	0.15	2.33	2.41	2.27	2.14	4.4	4.95	6.3	5.42	5.77	5.66
Manganese, total (unfiltered)	µg/L	--	--	410.	429.	348.	334.	716.	666.	67.8	76.3	6.77	66.2
Manganese, dissolved (filtered)	µg/L	50.	25.	442.	411.	360.	381.	725.	559.	65.6	64.8	58.6	61.4
Nitrate Nitrogen, total	mg/L	10.	2.	NA	NA	NA	NA	NA	0.84	NA	NA	NA	NA
Acetylene	µg/L	--	--	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	NA	<0.23 U	<0.23 U	<0.23 U	<0.23 U
Ethane	µg/L	--	--	0.93 J	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.38	<0.60 U	<0.9 U	<0.40 U	<0.40 U
Ethene	µg/L	--	--	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<1.2 U	<0.59	<0.90 U	<1.2 U	<0.50 U	<0.50 U
Methane	µg/L	--	--	920.	210.	410.	370.	63.	2500.	11.	13.	19.	1.7
Sulfate(as SO ₄)	mg/L	250.	125.	8.7	<1.0 U	<1.0 U	<1.0U	13.	0.84	910.	790.	950.	720.
Total Organic Carbon	mg/L	--	--	1.3 J	1.1 J	<0.50 U	0.84J	3.4	1.9	3.8	3.1	4.8	4.6
VOCs													
1,1,1,2-Tetrachloroethane	µg/L	70.	7.	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.030 U	<2.5 U	<0.50 U	<2.0 U
1,1,1-Trichloroethane	µg/L	200.	40.	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.013	<0.030 U	<3 U	<0.60 U	<2.5 U
1,1,2,2-Tetrachloroethane	µg/L	0.2	0.02	<0.020 U	<0.017 U	<0.017 U	<0.017 U	<0.017 U	<0.015	<0.020 U	<1 U	<0.20 U	<0.85 U
1,1,2-Trichloroethane	µg/L	5.	0.5	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.036	<0.070 U	<2.5 U	<0.50 U	<2.5 U
1,1-Dichloroethane	µg/L	850.	85.	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.017	0.23	<3 U	<0.60 U	<3.0 U
1,1-Dichloroethene	µg/L	7.	0.7	<0.070 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.024	1.1	<3.5 U	0.81 J	<3.0 U
1,1-Dichloropropene	µg/L	--	--	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.074	<0.080 U	<3 U	<0.60 U	<3.0 U
1,2,3-Trichlorobenzene	µg/L	--	--	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.019	<0.040 U	<2.5 U	<0.50 U	<2.0 U
1,2,3-Trichloropropane	µg/L	60.	12.	<0.040 U	<0.040 UM	<0.040 U	<0.040 U	<0.040 U	<0.031	<0.080 U	<2 U	<0.40 U	<2.0 U
1,2,4-Trichlorobenzene	µg/L	70.	14.	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.022	<0.029 U	<2 U	<0.40 U	<2.0 U
1,2,4-Trimethylbenzene	µg/L	480.	96.	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.011	<0.024 U	<2.5 U	<0.50 U	<2.0 U
1,2-Dibromo-3-chloropropane	µg/L	0.2	0.02	<0.030 U	<0.090 U	<0.090 U	<0.090 U	<0.090 U	<0.12	<0.050 U	<1.5 U	<0.30 U	<4.5 U
1,2-Dibromoethane	µg/L	0.05	0.005	<0.040 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.029	<0.040 U	<2 U	<0.40 U	<3.5 U
1,2-Dichlorobenzene	µg/L	600.	60.	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.016	<0.025 U	<3 U	<0.60 U	<2.0 U
1,2-Dichloroethane	µg/L	5.	0.5	<0.040 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.017	2.1	3.3 J	2.5	2.5 J
1,2-Dichloropropane	µg/L	5.	0.5	<0.060 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.013	<0.030 U	<3 U	<0.60 U	<3.5 U
1,3,5-Trimethylbenzene	µg/L	480.	96.	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.013	<0.022 U	<3 U	<0.60 U	<2.5 U
1,3-Dichlorobenzene	µg/L	600.	120.	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.021 U	<3 U	<0.60 U	<2.0 U
1,3-Dichloropropane	µg/L	--	--	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.020	<0.040 U	<2 U	<0.40 U	<2.0 U
1,4-Dichlorobenzene	µg/L	75.	15.	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.017	<0.026 U	<2.5 U	<0.50 U	<2.0 U
1,4-Dioxane	µg/L	3.	0.3	NA	<7.0 U	<7.0 U	<7.0 U	<7.0 U	<7.0	NA	NA	NA	<350 U
2,2-Dichloropropane	µg/L	--	--	<0.040 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.075	<0.022 U	<2 U	<0.40 U	<2.5 U
2-Butanone (MEK)	µg/L	4000.	800.	<0.80 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.31	<0.80 U	<40 U	<8.0 U	<25 U
2-Chlorotoluene	µg/L	--	--	<0.060 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.020	<0.025 U	<3 U	<0.60 U	<1.5 U
2-Hexanone	µg/L	--	--	<0.40 U	<0.24 U	<0.24 U	<0.24 U	<0.24 U	<0.15	<0.40 U	<20 U	<4.0 U	<12 U
4-Chlorotoluene	µg/L	--	--	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.029 U	<2.5 U	<0.50 U	<2.0 U
4-Methyl-2-pentanone (MIBK)	µg/L	500.	50.	<0.40 U	<0.24 U	<0.24 U	<0.24 U	<0.24 U	<0.19	<0.26 U	<20 U	<4.0 U	<12 U

Table 3. Groundwater Quality Data, Oconomowoc Electroplating Company Inc. (OECI) Superfund Site Monitoring Wells

	Date Sampled:		5/13/2016	11/4/2016	5/11/2017	11/30/2017	11/15/2018	12/2/2021	12/11/2014	5/8/2015	11/05/2015	5/13/2016	11/4/2016
	Units	NR140 ES	NR140 PAL	MW-15B	MW-15B	MW-15B	MW-15B	MW-15B	MW-15B	MW-16S	MW-16S	MW-16S	MW-16S
Acetone	µg/L	9000.	1800.	<0.90 U	<0.30 U	0.36 JB	<0.30 U	0.5 JB	<0.84	<1.3 U	<45 U	240 B	<15 U
Benzene	µg/L	5.	0.5	<0.060 U	<0.018 U	<0.018 U	<0.018 U	<0.018 U	<0.022	0.024 J	<3 U	<0.60 U	<0.90 U
Bromobenzene	µg/L	--	--	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.018	<0.030 U	<2 U	<0.40 U	<2.0 U
Bromochloromethane	µg/L	--	--	<0.017 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.034	<0.090 U	<0.85 U	<0.17 U	<1.5 U
Bromodichloromethane	µg/L	0.6	0.06	<0.017 U	<0.016 U	<0.016 U	<0.016 U	<0.016 U	<0.019	<0.018 U	<0.85 U	<0.17 U	<0.80 U
Bromoform	µg/L	4.4	0.44	<0.018 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.041	<0.060 U	<0.9 U	<0.18 U	<2.0 U
Bromomethane	µg/L	10.	1.	<0.090 U	<0.080 U,Z	<0.080 U	<0.080 U	<0.080 U,Y	<0.052	<0.070 U,Q,Z	<4.5 U	<0.90 U	<4.0 UZ
Carbon disulfide	µg/L	1000.	200.	<0.11 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.11	<0.080 U	<5.5 U	<1.1 U	<3.5 U
Carbon tetrachloride	µg/L	5.	0.05	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.018	<0.029 U	<3 U	<0.60 U	<2.5 U
Chlorobenzene	µg/L	--	--	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.024 U	<2 U	<0.40 U	<2.0 U
Chloroethane	µg/L	400.	80.	<0.060 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.40	<0.040 U	<3 U	<0.60 U	<3.5 U
Chloroform	µg/L	6.	0.6	<0.060 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.016	<0.030 U	<3 U	<0.60 U	<1.5 U
Chloromethane	µg/L	30.	3.	<0.050 U	<0.040 U	<0.040 U	<0.040 U	0.05 J	<0.045	<0.040 U	<2.5 U	<0.50 U	<2.0 U
cis-1,2-Dichloroethene	µg/L	70.	7.	<0.060 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.023	800.	1000.	630.	730.
cis-1,3-Dichloropropene	µg/L	0.4	0.04	<0.015 U	<0.011 U	<0.011 U	<0.011 U	<0.011 U	<0.014	<0.020 U	<0.75 U	<0.15 U	<0.55 U
Dibromochloromethane	µg/L	60.	6.	<0.016 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.016	<0.040 U	<0.8 U	<0.16 U	<1.5 U
Dibromomethane	µg/L	--	--	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.018	<0.040 U	<3 U	<0.60 U	<2.5 U
Dichlorodifluoromethane	µg/L	1000.	200.	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.091	<0.11 U	<3 U	<0.60 U	<3.0 U
Diisopropyl ether	µg/L	--	--	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.02	<0.021 U	<2 U	<0.40 U	<2.0 U
Ethylbenzene	µg/L	700.	140.	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.014	<0.019 U	<3 U	<0.60 U	<2.0 U
Hexachlorobutadiene	µg/L	--	--	<0.070 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.027	<0.070 U	<3.5 U	<0.70 U	<2.5 U
Isopropylbenzene	µg/L	--	--	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.014	<0.060 U	<2.5 U	<0.50 U	<2.0 U
m & p-Xylene	µg/L	2000.	400.	<0.12 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.022	<0.050 U	<6 U	<1.2 U	<3.5 U
Methyl tert-butyl ether	µg/L	60.	12.	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.014	<0.040 U	<2 U	<0.40 U	<2.0 U
Methylene chloride	µg/L	5.	0.5	<0.060 U	<0.050 U	<0.050 U	<0.050 U	0.050 U,Z,Y,Q	<0.090	<0.15 U	<3 U	<0.60 U	<2.5 U
Naphthalene	µg/L	100.	10.	<0.050 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.025	<0.040 U	<2.5 U	<0.50 U	<1.5 U
n-Butylbenzene	µg/L	--	--	<0.050 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.021	<0.021 U	<2.5 U	<0.50 U	<1.5 U
n-Propylbenzene	µg/L	--	--	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.022 U	<2.5 U	<0.50 U	<2.0 U
o-Xylene	µg/L	2000.	400.	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.016	<0.027 U	<2.5 U	<0.50 U	<2.0 U
p-Isopropyltoluene	µg/L	--	--	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.016	<0.030 U	<3 U	<0.60 U	<2.0 U
sec-Butylbenzene	µg/L	--	--	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.012	<0.024 U	<2.5 U	<0.50 U	<2.5 U
Styrene	µg/L	100.	10.	<0.050 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.014	<0.020 U	<2.5 U	<0.50 U	<1.5 U
tert-Butylbenzene	µg/L	--	--	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.025 U	<3 U	<0.60 U	<2.0 U
Tetrachloroethene	µg/L	5.	0.05	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.028	<0.030 U	<3 U	<0.60 U	<2.5 U
Tetrahydrofuran	µg/L	50.	10.	<0.60 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.38	3.1	<30 U	8.8 JZ	29 JB
Toluene	µg/L	800.	160.	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.014	<0.027 U	<3 U	<0.60 U	<2.0 U
trans-1,2-Dichloroethene	µg/L	100.	20.	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.020	34.	32.	27.	34.
trans-1,3-Dichloropropene	µg/L	0.4	0.04	<0.014 U	<0.019 U	<0.019 U	<0.019 U	<0.019 U	<0.020	<0.018 U	<0.7 U	<0.14 U	<0.95 U
Trichloroethene	µg/L	5.	0.5	<0.030 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.022	0.034 J	<1.5 U	<0.30 U	<2.5 U
Trichlorofluoromethane	µg/L	--	--	<0.050 U	<0.090 U	<0.090 U	<0.090 U	<0.090 U	<0.033	<0.024 U	<2.5 U	<0.50 U	<4.5 U
Vinyl acetate	µg/L	--	--	<0.50 U	<0.22 U	<0.22 U	<0.22 U	<0.22 U	<0.14	<0.60 U	<25 U	<5.0 U	<11 U
Vinyl chloride	µg/L	0.2	0.02	<0.016 U	<0.019 U	<0.019 U	<0.019 U	<0.019 U	<0.019	28.	58.	23.	53.

Table 3. Groundwater Quality Data, Oconomowoc Electroplating Company Inc. (OECI) Superfund Site Monitoring Wells

	Date Sampled:			5/12/2017	11/28/2017	11/19/2018	12/6/2021	12/9/2014	5/7/2015	11/04/2015	5/10/2016	11/3/2016	5/11/2017	11/29/2017
	Units	NR140 ES	NR140 PAL	MW-16S	MW-16S	MW-16S	MW-16S	MW-101S	MW-101S	MW-101S	MW-101S	MW-101S	MW-101S	MW-101S
Field Parameters														
Dissolved Oxygen (DO)	mg/L	--	--	0.05	0.00	0.53	2.01	5.27	3.64	6.53	2.62	2.88	12.90	0.00
Oxidation Reduction Potential	millivolts	--	--	-123	-73	-125	-44.1	110	128	105	336	121	223	77
pH	pH-units	--	--	7.07	6.48	6.84	8.16	7.37	6.52	7.18	6.82	7.02	6.95	7.31
Specific Conductivity	umhos/cm	--	--	2690	2220	2510	1292	1940	1570	2330	3180	374	1100	938
Temperature	deg-C	--	--	6.32	16.31	8.59	7.98	9.28	19.29	16.49	9.98	13.67	12.11	17.00
Turbidity	ntu	--	--	0.	0.	0.8	135.1	0.	3.9	0.	12.3	0.	0.	0.
Natural Attenuation Parameters														
Alkalinity, total (as CaCO ₃)	mg/L	--	--	710.	590.	630.	390.	370.	250.	420.	330.	260.	310.	410.
Chloride (as Cl)	mg/L	250.	125.	210 M	260.	230 M	200.	590.	690.	420.	830.	28.	300.	280.
Iron, total (unfiltered)	mg/L	--	--	6.39 M	5.24	4.82	2.64	<0.020 U	0.0687	0.0383 J	0.0458 J	0.172	0.569	0.0584 J
Iron, dissolved (filtered)	mg/L	0.3	0.15	5.15	4.34	4.77	2.02	0.0111 J	0.0199 J	<0.01 U	0.0296 J	<0.059 U	0.281	<0.059 U
Manganese, total (unfiltered)	µg/L	--	--	57.7	52.5	53.6	31.6	371.	99.2	157.	68.6	224.	21.4	244.
Manganese, dissolved (filtered)	µg/L	50.	25.	46.5	49.3	53.4	33.	100.	<1.6 U	4.6 J	<1.6 U	<2.2 U	<2.2 U	61.7
Nitrate Nitrogen, total	mg/L	10.	2.	NA	NA	NA	0.49	NA	NA	NA	NA	NA	NA	NA
Acetylene	µg/L	--	--	<0.23 U	<0.23 U	<0.23 U	NA	<0.23 U	<0.23 UM,Y	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U
Ethane	µg/L	--	--	<0.40 U	<0.40 U	<0.80 U	<0.38	<0.60 U	<0.60 U	<0.9 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U
Ethene	µg/L	--	--	<0.50 U	<0.50 U	<1.2 U	<0.59	<0.90 U	<0.90 U	<1.2 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U
Methane	µg/L	--	--	1.9	6.6 M	1.7 MY	9.6	<0.30 U	<0.30 U	<0.4 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U
Sulfate(as SO ₄)	mg/L	250.	125.	670 M	690.	550 M	85.	17.	20.	29.	26.	7.5	21.	22.
Total Organic Carbon	mg/L	--	--	6.1	3.8	5.7	3.5	4.6	5.2	5.6	6.5 Y	4.1	<0.50 U	5.2
VOCs														
1,1,1,2-Tetrachloroethane	µg/L	70.	7.	<4.0 U	<4.0 U	<4.0 U	<0.013	<0.030 U	<0.030 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U
1,1,1-Trichloroethane	µg/L	200.	40.	<5.0 U	<5.0 U	<5.0 U	<0.013	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U
1,1,2,2-Tetrachloroethane	µg/L	0.2	0.02	<1.7 U	<1.7 U	<1.7 U	<0.015	<0.020 U	<0.020 U	<0.02 U	<0.020 UY	<0.017 U	<0.017 U	<0.017 U
1,1,2-Trichloroethane	µg/L	5.	0.5	<5.0 U	<5.0 U	<5.0 U	<0.036	<0.070 U	<0.070 U	<0.05 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U
1,1-Dichloroethane	µg/L	850.	85.	<6.0 U	<6.0 U	<6.0 U	0.038	<0.024 U	<0.024 U	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U
1,1-Dichloroethene	µg/L	7.	0.7	<6.0 U	<6.0 U	<6.0 U	0.43	<0.024 U	<0.024 U	<0.07 U	<0.070 U	<0.060 U	<0.060 U	<0.060 U
1,1-Dichloropropene	µg/L	--	--	<6.0 U	<6.0 U	<6.0 U	<0.074	<0.080 U	<0.080 U	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U
1,2,3-Trichlorobenzene	µg/L	--	--	<4.0 U	<4.0 U	<4.0 U	<0.019	<0.040 U	<0.040 U	<0.05 U	<0.050 UY	<0.040 U	<0.040 U	<0.040 U
1,2,3-Trichloropropane	µg/L	60.	12.	<4.0 U	<4.0 U	<4.0 U	<0.031	<0.080 U	<0.080 U	<0.04 U	<0.040 UY	<0.040 U	<0.040 U	<0.040 U
1,2,4-Trichlorobenzene	µg/L	70.	14.	<4.0 U	<4.0 U	<4.0 U	<0.022	<0.029 U	<0.029 U	<0.04 U	<0.040 UY	<0.040 U	<0.040 U	<0.040 U
1,2,4-Trimethylbenzene	µg/L	480.	96.	<4.0 U	<4.0 U	<4.0 U	<0.011	<0.024 U	<0.024 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U
1,2-Dibromo-3-chloropropane	µg/L	0.2	0.02	<9.0 U	<9.0 U	<9.0 U	<0.12	<0.050 U	<0.050 U	<0.03 U	<0.030 UY	<0.090 U	<0.090 U	<0.090 U
1,2-Dibromoethane	µg/L	0.05	0.005	<7.0 U	<7.0 U	<7.0 U	<0.029	<0.040 U	<0.040 U	<0.04 U	<0.040 U	<0.070 U	<0.070 U	<0.070 U
1,2-Dichlorobenzene	µg/L	600.	60.	<4.0 U	<4.0 U	<4.0 U	<0.016	<0.025 U	<0.025 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U
1,2-Dichloroethane	µg/L	5.	0.5	<5.0 U	<5.0 U	<5.0 U	0.91	<0.024 U	<0.024 U	<0.04 U	<0.040 U	<0.050 U	<0.050 U	<0.050 U
1,2-Dichloropropane	µg/L	5.	0.5	<7.0 U	<7.0 U	<7.0 U	<0.013	<0.030 U	<0.030 U	<0.06 U	<0.060 UY	<0.070 U	<0.070 U	<0.070 U
1,3,5-Trimethylbenzene	µg/L	480.	96.	<5.0 U	<5.0 U	<5.0 U	<0.013	<0.022 U	<0.022 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U
1,3-Dichlorobenzene	µg/L	600.	120.	<4.0 U	<4.0 U	<4.0 U	<0.013	0.12	<0.021 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U
1,3-Dichloropropane	µg/L	--	--	<4.0 U	<4.0 U	<4.0 U	<0.020	<0.040 U	<0.040 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
1,4-Dichlorobenzene	µg/L	75.	15.	<4.0 U	<4.0 U	<4.0 U	<0.017	<0.026 U	<0.026 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U
1,4-Dioxane	µg/L	3.	0.3	<700 U	<700 U	<700 U	31.	NA	NA	NA	NA	<7.0 U	<7.0 U	<7.0 U
2,2-Dichloropropane	µg/L	--	--	<5.0 U	<5.0 U	<5.0 U	<0.075	<0.022 U	<0.022 U	<0.04 U	<0.040 U	<0.050 U	<0.050 U	<0.050 U
2-Butanone (MEK)	µg/L	4000.	800.	110 J	<50 U	<50 U	<0.31	<0.80 U	<0.80 U	<0.8 U	<0.80 U	<0.50 U	<0.50 U	<0.50 U
2-Chlorotoluene	µg/L	--	--	<3.0 U	<3.0 U	<3.0 U	<0.020	<0.025 U	<0.025 U	<0.06 U	<0.060 U	<0.030 U	<0.030 U	<0.030 U
2-Hexanone	µg/L	--	--	<24 U	<24 U	<24 U	<0.15	<0.40 U	<0.40 U	<0.4 U	<0.40 UY	<0.24 U	<0.24 U	<0.24 U
4-Chlorotoluene	µg/L	--	--	<4.0 U	<4.0 U	<4.0 U	<0.013	<0.029 U	<0.029 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U
4-Methyl-2-pentanone (MIBK)	µg/L	500.	50.	<24 U	<24 U	<24 U	<0.19	<0.26 U	<0.26 U	<0.4 U	<0.40 UY	<0.24 U	<0.24 U	<0.24 U

Table 3. Groundwater Quality Data, Oconomowoc Electroplating Company Inc. (OECI) Superfund Site Monitoring Wells

	Date Sampled:			5/12/2017	11/28/2017	11/19/2018	12/6/2021	12/9/2014	5/7/2015	11/04/2015	5/10/2016	11/3/2016	5/11/2017	11/29/2017
	Units	NR140 ES	NR140 PAL	MW-16S	MW-16S	MW-16S	MW-16S	MW-101S	MW-101S	MW-101S	MW-101S	MW-101S	MW-101S	MW-101S
Acetone	µg/L	9000.	1800.	100 B	51 JB	37 JB	<0.84	<1.3 UZ	<1.3 U	<0.9 U	<0.90 U	<0.30 U	0.5 JB	<0.30 U
Benzene	µg/L	5.	0.5	<1.8 U	<1.8 U	<1.8 U	<0.022	<0.019 U	<0.019 U	<0.06 U	<0.060 U	<0.018 U	<0.018 U	<0.018 U
Bromobenzene	µg/L	--	--	<4.0 U	<4.0 U	<4.0 U	<0.018	<0.030 U	<0.030 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
Bromochloromethane	µg/L	--	--	<3.0 U	<3.0 UQ	<3.0 U	<0.034	<0.090 U	<0.090 U	<0.017 U	<0.017 U	<0.030 U	<0.030 U	<0.030 U
Bromodichloromethane	µg/L	0.6	0.06	<1.6 U	<1.6 U	<1.6 U	<0.019	<0.018 U	<0.018 U	<0.017 U	<0.017 U	<0.016 U	<0.016 U	<0.016 U
Bromoform	µg/L	4.4	0.44	<4.0 U	<4.0 U	<4.0 U	<0.041	<0.060 U	<0.060 U	<0.018 U	<0.018 U	<0.040 UZ	<0.040 U	<0.040 U
Bromomethane	µg/L	10.	1.	<8.0 UZ	<8.0 UZ	<8.0 UQY	<0.052	<0.070 U	<0.070 UQ,Z	<0.09 U	<0.090 U	<0.080 U	<0.080 U	<0.080 U
Carbon disulfide	µg/L	1000.	200.	<7.0 U	<7.0 U	<7.0 U	<0.11	<0.080 U	<0.080 U	<0.11 U	<0.11 U	<0.070 U	<0.070 U	<0.070 U
Carbon tetrachloride	µg/L	5.	0.05	<5.0 U	<5.0 U	<5.0 U	<0.018	<0.029 U	<0.029 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U
Chlorobenzene	µg/L	--	--	<4.0 U	<4.0 U	<4.0 U	<0.013	<0.024 U	<0.024 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
Chloroethane	µg/L	400.	80.	<7.0 U	<7.0 U	<7.0 U	<0.40	<0.040 U	<0.040 U	<0.06 U	<0.060 U	<0.070 U	<0.070 U	<0.070 U
Chloroform	µg/L	6.	0.6	<3.0 U	<3.0 U	<3.0 U	<0.016	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.030 U	<0.030 U	<0.030 U
Chloromethane	µg/L	30.	3.	<4.0 U	<4.0 U	<4.0 U	<0.045	0.065 JB	<0.040 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U
cis-1,2-Dichloroethene	µg/L	70.	7.	870.	870.	770.	390.	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.070 U	<0.070 U	<0.070 U
cis-1,3-Dichloropropene	µg/L	0.4	0.04	<1.1 U	<1.1 U	<1.1 U	<0.014	<0.020 U	<0.020 U	<0.015 U	<0.015 U	<0.011 U	<0.011 U	<0.011 U
Dibromochloromethane	µg/L	60.	6.	<3.0 U	<3.0 U	<3.0 U	<0.016	<0.040 U	<0.040 U	<0.016 U	<0.016 U	<0.030 U	<0.030 U	<0.030 U
Dibromomethane	µg/L	--	--	<5.0 U	<5.0 U	<5.0 U	<0.018	<0.040 U	<0.040 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U
Dichlorodifluoromethane	µg/L	1000.	200.	<6.0 U	<6.0 U	<6.0 U	<0.091	<0.11 U	<0.11 U	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U
Diisopropyl ether	µg/L	--	--	<4.0 U	<4.0 U	<4.0 U	<0.02	<0.021 U	<0.021 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
Ethylbenzene	µg/L	700.	140.	<4.0 U	<4.0 U	<4.0 U	<0.014	<0.019 U	<0.019 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U
Hexachlorobutadiene	µg/L	--	--	<5.0 U	<5.0 U	<5.0 U	<0.027	<0.070 U	<0.070 U	<0.07 U	<0.070 UY	<0.050 U	<0.050 U	<0.050 U
Isopropylbenzene	µg/L	--	--	<4.0 U	<4.0 U	<4.0 U	<0.014	<0.060 U	<0.060 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U
m & p-Xylene	µg/L	2000.	400.	<7.0 U	<7.0 U	<7.0 U	<0.022	<0.050 U	<0.050 U	<0.12 U	<0.12 U	<0.070 U	<0.070 U	<0.070 U
Methyl tert-butyl ether	µg/L	60.	12.	<4.0 U	<4.0 U	<4.0 U	<0.014	<0.040 U	<0.040 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
Methylene chloride	µg/L	5.	0.5	61 M,B	<5.0 U	<5.0 UQZ	<0.090	<0.15 U	<0.15 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U
Naphthalene	µg/L	100.	10.	<3.0 U	<3.0 U	<3.0 U	<0.025	<0.040 U	<0.040 U	<0.05 U	<0.050 UY	<0.030 U	<0.030 U	<0.030 U
n-Butylbenzene	µg/L	--	--	<3.0 U	<3.0 U	<3.0 U	<0.021	<0.021 U	<0.021 U	<0.05 U	<0.050 U	<0.030 U	<0.030 U	<0.030 U
n-Propylbenzene	µg/L	--	--	<4.0 U	<4.0 U	<4.0 U	<0.013	<0.022 U	<0.022 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U
o-Xylene	µg/L	2000.	400.	<4.0 U	<4.0 U	<4.0 U	<0.016	<0.027 U	<0.027 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U
p-Isopropyltoluene	µg/L	--	--	<4.0 U	<4.0 U	<4.0 U	<0.016	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U
sec-Butylbenzene	µg/L	--	--	<5.0 U	<5.0 U	<5.0 U	<0.012	<0.024 U	<0.024 U	<0.05 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U
Styrene	µg/L	100.	10.	<3.0 U	<3.0 U	<3.0 U	<0.014	<0.020 U	<0.020 U	<0.05 U	<0.050 U	<0.030 U	<0.030 U	<0.030 U
tert-Butylbenzene	µg/L	--	--	<4.0 U	<4.0 U	<4.0 U	<0.013	<0.025 U	<0.025 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U
Tetrachloroethene	µg/L	5.	0.05	<5.0 U	<5.0 U	<5.0 U	<0.028	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U
Tetrahydrofuran	µg/L	50.	10.	69 JB	<40 U	<40 U	0.6	<0.70 U	<0.70 U	<0.6 U	<0.60 U	<0.40 U	<0.40 U	<0.40 U
Toluene	µg/L	800.	160.	<4.0 U	<4.0 U	<4.0 U	<0.014	<0.027 U	<0.027 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U
trans-1,2-Dichloroethene	µg/L	100.	20.	41.	30.	30.	0.39	<0.040 U	<0.040 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U
trans-1,3-Dichloropropene	µg/L	0.4	0.04	<1.9 U	<1.9 U	<1.9 U	<0.020	<0.018 U	<0.018 U	<0.014 U	<0.014 U	<0.019 U	<0.019 U	<0.019 U
Trichloroethene	µg/L	5.	0.5	<5.0 U	<5.0 U	<5.0 U	0.39	<0.020 U	<0.020 U	<0.03 U	<0.030 U	<0.050 U	<0.050 U	<0.050 U
Trichlorofluoromethane	µg/L	--	--	<9.0 U	<9.0 U	<9.0 U	<0.033	<0.024 U	<0.024 U	<0.05 U	<0.050 U	<0.090 U	<0.090 U	<0.090 U
Vinyl acetate	µg/L	--	--	180.	<22 U	<22 U	<0.14	<0.60 U	<0.60 U	<0.5 U	<0.50 U	<0.22 U	<0.22 U	<0.22 U
Vinyl chloride	µg/L	0.2	0.02	28.	41.	25.	33.	<0.019 U	<0.019 U	<0.016 U	<0.016 U	<0.019 U	<0.019 U	<0.019 U

Table 3. Groundwater Quality Data, Oconomowoc Electroplating Company Inc. (OECI) Superfund Site Monitoring Wells

	Date Sampled:			11/15/2018	12/2/2021	12/9/2014	5/7/2015	11/04/2015	5/10/2016	11/3/2016	5/11/2017	11/30/2017	11/15/2018	12/2/2021
	Units	NR140 ES	NR140 PAL	MW-101S	MW-101S	MW-101B	MW-101B	MW-101B	MW-101B	MW-101B	MW-101B	MW-101B	MW-101B	MW-101B
Field Parameters														
Dissolved Oxygen (DO)	mg/L	--	--	2.01	3.17	0.10	0.11	0.19	0.22	0.00	0.18	0.00	0.52	1.80
Oxidation Reduction Potential	millivolts	--	--	39	79.6	35	87	30	253	38	193	-31	-42	75.2
pH	pH-units	--	--	6.83	7.47	7.62	6.85	7.49	7.24	7.26	7.17	7.20	7.06	7.67
Specific Conductivity	umhos/cm	--	--	419	1658	990	863	862	1180	999	926	811	986	986.38
Temperature	deg-C	--	--	12.80	12.77	9.65	14.54	15.41	10.52	8.81	13.71	16.70	12.55	11.83
Turbidity	ntu	--	--	0.	167.44	0.	0.5	0.	1.3	0.	0.	0.	0.	164.1
Natural Attenuation Parameters														
Alkalinity, total (as CaCO ₃)	mg/L	--	--	210.	380.	330.	320.	350.	360.	370.	380.	380.	380.	280.
Chloride (as Cl)	mg/L	250.	125.	30.	420.	240.	190.	180.	180.	160.	190.	190.	170.	190.
Iron, total (unfiltered)	mg/L	--	--	0.142	0.568	<0.020 U	0.0525 J	0.0523 J	<0.020 U	<0.034 U	<0.034U	<0.034 U	<0.034 U	0.041
Iron, dissolved (filtered)	mg/L	0.3	0.15	<0.059 U	<0.027	<0.010 U	0.0115 J	0.0229 J	<0.010 U	<0.059 U	<0.059U	<0.059 U	<0.059 U	<0.027
Manganese, total (unfiltered)	µg/L	--	--	292.	1830.	88.2	58.7	128.	51.8	90.3	55.7	69.4	80.6	219.
Manganese, dissolved (filtered)	µg/L	50.	25.	<2.2 U	15.	95.9	58.4	115.	57.4	111.	59.7	66.7	79.3	93.9
Nitrate Nitrogen, total	mg/L	10.	2.	NA	0.25	NA	NA	NA	NA	NA	NA	NA	NA	0.26
Acetylene	µg/L	--	--	<0.23 U	NA	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23U	<0.23 U	<0.23 U	NA
Ethane	µg/L	--	--	<0.80 U	<0.38	<0.60 U	<0.60 U	<0.9 U	<0.40 U	<0.40 U	<0.40U	<0.40 U	<0.80 U	<0.38
Ethene	µg/L	--	--	<1.2 U	<0.59	<0.90 U	<0.90 U	<1.2 U	<0.50 U	<0.50 U	<0.50U	<0.50 U	<1.2 U	<0.59
Methane	µg/L	--	--	2.3	<0.45	41.	31.	67.	75.	170.	130.	41.	0.94 J	2.5
Sulfate(as SO ₄)	mg/L	250.	125.	5.4	35.	40.	43.	49.	40.	35.	40.	47.	47.	24.
Total Organic Carbon	mg/L	--	--	2.7	4.2	0.72 J	1.1 J	<0.4 U	2.	1.2 J	0.82J	3.	1.9	1.2
VOCs														
1,1,1,2-Tetrachloroethane	µg/L	70.	7.	<0.040 U	<0.013	<0.030 U	<0.030 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013
1,1,1-Trichloroethane	µg/L	200.	40.	<0.050 U	<0.013	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.013
1,1,2,2-Tetrachloroethane	µg/L	0.2	0.02	<0.017 U	<0.015	<0.020 U	<0.020 U	<0.02 U	<0.020 U	<0.017 U	<0.017 U	<0.017 U	<0.017 U	<0.015
1,1,2-Trichloroethane	µg/L	5.	0.5	<0.050 U	<0.036	<0.070 U	<0.070 U	<0.05 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.036
1,1-Dichloroethane	µg/L	850.	85.	<0.060 U	<0.017	<0.024 U	<0.024 U	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.017
1,1-Dichloroethene	µg/L	7.	0.7	<0.060 U	<0.024	<0.024 U	<0.024 U	<0.07 U	<0.070 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.024
1,1-Dichloropropene	µg/L	--	--	<0.060 U	<0.074	<0.080 U	<0.080 U	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.074
1,2,3-Trichlorobenzene	µg/L	--	--	<0.040 U	<0.019	<0.040 U	<0.040 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.019
1,2,3-Trichloropropane	µg/L	60.	12.	<0.040 U	<0.031	<0.080 U	<0.080 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.031
1,2,4-Trichlorobenzene	µg/L	70.	14.	<0.040 U	<0.022	<0.029 U	<0.029 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.022
1,2,4-Trimethylbenzene	µg/L	480.	96.	<0.040 U	<0.011	<0.024 U	<0.024 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.011
1,2-Dibromo-3-chloropropane	µg/L	0.2	0.02	<0.090 U	<0.12	<0.050 U	<0.050 U	<0.03 U	<0.030 U	<0.090 U	<0.090 U	<0.090 U	<0.090 U	<0.12
1,2-Dibromoethane	µg/L	0.05	0.005	<0.070 U	<0.029	<0.040 U	<0.040 U	<0.04 U	<0.040 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.029
1,2-Dichlorobenzene	µg/L	600.	60.	<0.040 U	<0.016	<0.025 U	<0.025 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.016
1,2-Dichloroethane	µg/L	5.	0.5	<0.050 U	<0.017	<0.024 U	<0.024 U	<0.04 U	<0.040 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.017
1,2-Dichloropropane	µg/L	5.	0.5	<0.070 U	<0.013	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.013
1,3,5-Trimethylbenzene	µg/L	480.	96.	<0.050 U	<0.013	<0.022 U	<0.022 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.013
1,3-Dichlorobenzene	µg/L	600.	120.	<0.040 U	<0.013	0.13	<0.021 U	0.068 J	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013
1,3-Dichloropropane	µg/L	--	--	<0.040 U	<0.020	<0.040 U	<0.040 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.020
1,4-Dichlorobenzene	µg/L	75.	15.	<0.040 U	<0.017	<0.026 U	<0.026 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.017
1,4-Dioxane	µg/L	3.	0.3	<7.0 U	17.	NA	NA	NA	NA	<7.0 U	<7.0 U	<7.0 U	<7.0 U	11.
2,2-Dichloropropane	µg/L	--	--	<0.050 U	<0.075	<0.022 U	<0.022 U	<0.04 U	<0.040 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.075
2-Butanone (MEK)	µg/L	4000.	800.	<0.50 U	<0.31	<0.80 U	<0.80 U	<0.8 U	<0.80 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.31
2-Chlorotoluene	µg/L	--	--	<0.030 U	<0.020	<0.025 U	<0.025 U	<0.06 U	<0.060 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.020
2-Hexanone	µg/L	--	--	<0.24 U	<0.15	<0.40 U	<0.40 U	<0.4 U	<0.40 U	<0.24 U	<0.24 U	<0.24 U	<0.24 U	<0.15
4-Chlorotoluene	µg/L	--	--	<0.040 U	<0.013	<0.029 U	<0.029 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013
4-Methyl-2-pentanone (MIBK)	µg/L	500.	50.	<0.24 U	<0.19	<0.26 U	<0.26 U	<0.4 U	<0.40 U	<0.24 U	<0.24 U	<0.24 U	<0.24 U	<0.19

Table 3. Groundwater Quality Data, Oconomowoc Electroplating Company Inc. (OECI) Superfund Site Monitoring Wells

	Date Sampled:													
	Units	NR140 ES	NR140 PAL	MW-101S	MW-101S	MW-101B	MW-101B	MW-101B	MW-101B	MW-101B	MW-101B	MW-101B	MW-101B	MW-101B
Acetone	µg/L	9000.	1800.	0.3 JB	<0.84	<1.3 UZ	<1.3 U	<0.9 U	<0.90 U	<0.30 U	0.38 JB	0.36 JB	0.45 JB	<0.84
Benzene	µg/L	5.	0.5	<0.018 U	<0.022	<0.019 U	<0.019 U	<0.06 U	<0.060 U	<0.018 U	<0.018 U	<0.018 U	<0.018 U	<0.022
Bromobenzene	µg/L	--	--	<0.040 U	<0.018	<0.030 U	<0.030 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.018
Bromochloromethane	µg/L	--	--	<0.030 U	<0.034	<0.090 U	<0.090 U	<0.017 U	<0.017 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.034
Bromodichloromethane	µg/L	0.6	0.06	<0.016 U	<0.019	<0.018 U	<0.018 U	<0.017 U	<0.017 U	<0.016 U	<0.016 U	<0.016 U	<0.016 U	<0.019
Bromoform	µg/L	4.4	0.44	<0.040 U	<0.041	<0.060 U	<0.060 U	<0.018 U	<0.018 U	<0.040 UZ	<0.040 U	<0.040 U	<0.040 U	<0.041
Bromomethane	µg/L	10.	1.	<0.080 UY	<0.052	<0.070 U	<0.070 UQ,Z	<0.09 U	<0.090 U	<0.080 U	<0.080 U	<0.080 U	<0.080 UY	<0.052
Carbon disulfide	µg/L	1000.	200.	<0.070 U	<0.11	<0.080 U	<0.080 U	<0.11 U	<0.11 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.11
Carbon tetrachloride	µg/L	5.	0.05	<0.050 U	<0.018	<0.029 U	<0.029 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.018
Chlorobenzene	µg/L	--	--	<0.040 U	<0.013	<0.024 U	<0.024 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013
Chloroethane	µg/L	400.	80.	<0.083 J	<0.40	<0.040 U	<0.040 U	<0.06 U	<0.060 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.40
Chloroform	µg/L	6.	0.6	<0.030 U	<0.016	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.016
Chloromethane	µg/L	30.	3.	<0.040 U	<0.045	0.073 JB	<0.040 U	<0.05 U	<0.050 U	<0.040 U	0.041 J	<0.040 U	0.054 J	<0.045
cis-1,2-Dichloroethene	µg/L	70.	7.	<0.070 U	<0.023	0.37	0.23	0.34	0.32	0.47	0.51	0.32	0.34	0.043
cis-1,3-Dichloropropene	µg/L	0.4	0.04	<0.011 U	<0.014	<0.020 U	<0.020 U	<0.015 U	<0.015 U	<0.011 U	<0.011 U	<0.011 U	<0.011 U	<0.014
Dibromochloromethane	µg/L	60.	6.	<0.030 U	<0.016	<0.040 U	<0.040 U	<0.016 U	<0.016 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.016
Dibromomethane	µg/L	--	--	<0.050 U	<0.018	<0.040 U	<0.040 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.018
Dichlorodifluoromethane	µg/L	1000.	200.	<0.060 U	<0.091	<0.11 U	<0.11 U	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.091
Diisopropyl ether	µg/L	--	--	<0.040 U	<0.02	<0.021 U	<0.021 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.02
Ethylbenzene	µg/L	700.	140.	<0.040 U	<0.014	<0.019 U	<0.019 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.014
Hexachlorobutadiene	µg/L	--	--	<0.050 U	<0.027	<0.070 U	<0.070 U	<0.07 U	<0.070 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.027
Isopropylbenzene	µg/L	--	--	<0.040 U	<0.014	<0.060 U	<0.060 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.014
m & p-Xylene	µg/L	2000.	400.	<0.070 U	<0.022	<0.050 U	<0.050 U	<0.12 U	<0.12 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.022
Methyl tert-butyl ether	µg/L	60.	12.	<0.040 U	<0.014	0.26	0.22	0.29	0.24	0.24	0.28	0.18	0.28	<0.014
Methylene chloride	µg/L	5.	0.5	0.050 UZYQ	<0.090	<0.15 U	<0.15 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	0.050 UZYQ	<0.090
Naphthalene	µg/L	100.	10.	<0.030 U	<0.025	<0.040 U	<0.040 U	<0.05 U	<0.050 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.025
n-Butylbenzene	µg/L	--	--	<0.030 U	<0.021	<0.021 U	<0.021 U	<0.05 U	<0.050 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.021
n-Propylbenzene	µg/L	--	--	<0.040 U	<0.013	<0.022 U	<0.022 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013
o-Xylene	µg/L	2000.	400.	<0.040 U	<0.016	<0.027 U	<0.027 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.016
p-Isopropyltoluene	µg/L	--	--	<0.040 U	<0.016	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.016
sec-Butylbenzene	µg/L	--	--	<0.050 U	<0.012	<0.024 U	<0.024 U	<0.05 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.012
Styrene	µg/L	100.	10.	<0.030 U	<0.014	<0.020 U	<0.020 U	<0.05 U	<0.050 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.014
tert-Butylbenzene	µg/L	--	--	<0.040 U	<0.013	<0.025 U	<0.025 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013
Tetrachloroethene	µg/L	5.	0.05	<0.050 U	<0.028	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.028
Tetrahydrofuran	µg/L	50.	10.	<0.40 U	<0.38	<0.70 U	<0.70 U	<0.6 U	<0.60 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.38
Toluene	µg/L	800.	160.	<0.040 U	<0.014	<0.027 U	<0.027 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.014
trans-1,2-Dichloroethene	µg/L	100.	20.	<0.040 U	<0.020	<0.040 U	<0.040 U	<0.06 U	<0.060 U	0.047 J	<0.040 U	<0.040 U	<0.040 U	<0.020
trans-1,3-Dichloropropene	µg/L	0.4	0.04	<0.019 U	<0.0020	<0.018 U	<0.018 U	<0.014 U	<0.014 U	<0.019 U	<0.019 U	<0.019 U	<0.019 U	<0.020
Trichloroethene	µg/L	5.	0.5	<0.050 U	<0.022	<0.020 U	0.047 J	0.03 J	0.045 J	<0.050 U	<0.050 U	<0.050 U	<0.050 U	0.18
Trichlorofluoromethane	µg/L	--	--	<0.090 U	<0.033	<0.024 U	<0.024 U	<0.05 U	<0.050 U	<0.090 U	<0.090 U	<0.090 U	<0.090 U	<0.033
Vinyl acetate	µg/L	--	--	<0.22 U	<0.14	<0.60 U	<0.60 U	<0.5 U	<0.50 U	<0.22 U	<0.22 U	<0.22 U	<0.22 U	<0.14
Vinyl chloride	µg/L	0.2	0.02	<0.019 U	<0.019	<0.019 U	<0.019 U	<0.016 U	<0.016 U	<0.019 U	<0.019 U	<0.019 U	<0.019 U	<0.019

Table 3. Groundwater Quality Data, Oconomowoc Electroplating Company Inc. (OECl) Superfund Site Monitoring Wells

	Date Sampled:		12/9/2014	5/7/2015	11/06/2015	5/13/2016	11/3/2016	5/11/2017	11/30/2017	11/16/2018	12/2/2021	12/9/2014	5/7/2015	
	Units	NR140 ES	NR140 PAL	MW-102S	MW-102S	MW-102S	MW-102S	MW-102S	MW-102S	MW-102S	MW-102S	MW-102D	MW-102D	
Field Parameters														
Dissolved Oxygen (DO)	mg/L	--	--	0.71	5.00	2.22	6.79	0.63	1.91	0.00	1.31	3.43	7.07	0.00
Oxidation Reduction Potential	millivolts	--	--	144	122	83	356	94	164	65	72	69.2	-80	-78
pH	pH-units	--	--	7.16	6.61	6.42	7.14	6.96	6.82	7.10	6.61	7.38	7.61	6.90
Specific Conductivity	umhos/cm	--	--	2520	1980	2640	1230	2350	2820	3380	4180	2471.9	1010	977
Temperature	deg-C	--	--	9.80	10.33	13.44	12.17	11.78	12.84	18.40	11.96	12.86	8.65	11.97
Turbidity	ntu	--	--	0.	0.	0.	0.	0.	0.	0.	0.	168.94	0.	0.
Natural Attenuation Parameters														
Alkalinity, total (as CaCO ₃)	mg/L	--	--	420.	360.	420.	350.	460.	460.	520.	510.	440.	330.	330.
Chloride (as Cl)	mg/L	250.	125.	650.	490.	630.	220.	590.	710.	200.	960.	550.	230.	200.
Iron, total (unfiltered)	mg/L	--	--	<0.020 U	<0.020 U	<0.02 U	<0.020 U	<0.034 U	<0.034 U	<0.034 U	<0.034 U	0.0437	0.754	0.785
Iron, dissolved (filtered)	mg/L	0.3	0.15	<0.010 U	0.0112 J	<0.01 U	<0.010 U	<0.059 U	<0.059 U	<0.059 U	<0.059 U	<0.027	0.592	0.769
Manganese, total (unfiltered)	µg/L	--	--	<1.4 U	<1.4 U	7.	<1.4 U	<3.4 U	<3.4 U	<3.4 U	<3.4 U	1.9	23.9	27.4
Manganese, dissolved (filtered)	µg/L	50.	25.	<1.6 U	<1.6 U	<1.6 U	<1.6 U	<2.2 U	<2.2 U	<2.2 U	<2.2 U	<1.2	21.	29.4
Nitrate Nitrogen, total	mg/L	10.	2.	NA	NA	NA	NA	NA	NA	NA	NA	6.1	NA	NA
Acetylene	µg/L	--	--	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	NA	<0.23 U	<0.23 U
Ethane	µg/L	--	--	<0.60 U	<0.60 U	<0.9 UY	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.38	<0.60 U	<0.60 U
Ethene	µg/L	--	--	<0.90 U	<0.90 U	<1.2 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<1.2 U	<0.59	<0.90 U	<0.90 U
Methane	µg/L	--	--	<0.30 U	<0.30 U	<0.4 UY	<0.40 U	<0.40 U	5.6	<0.40 U	<0.40 U	<0.45	6.1	7.
Sulfate(as SO ₄)	mg/L	250.	125.	29.	26.	27.	28.	21.	30.	47.	33.	29.	48.	57.
Total Organic Carbon	mg/L	--	--	1.6	1.8	2.3	0.97 J	1.8	3.8	2.7	3.7	2.0	1.2 J	1.5
VOCs														
1,1,1,2-Tetrachloroethane	µg/L	70.	7.	<0.030 U	<0.030 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.030 U	<0.030 U
1,1,1-Trichloroethane	µg/L	200.	40.	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.013	<0.030 U	<0.030 U
1,1,2,2-Tetrachloroethane	µg/L	0.2	0.02	<0.020 U	<0.020 U	<0.02 U	<0.020 U	<0.017 U	<0.017 U	<0.017 U	<0.017 U	<0.015	<0.020 U	<0.020 U
1,1,2-Trichloroethane	µg/L	5.	0.5	<0.070 U	<0.070 U	<0.05 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.036	<0.070 U	<0.070 U
1,1-Dichloroethane	µg/L	850.	85.	<0.024 U	<0.024 U	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.017	<0.024 U	<0.024 U
1,1-Dichloroethene	µg/L	7.	0.7	<0.024 U	<0.024 U	<0.07 U	<0.070 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.024	0.052 J	0.058 J
1,1-Dichloropropene	µg/L	--	--	<0.080 U	<0.080 U	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.074	<0.080 U	<0.080 U
1,2,3-Trichlorobenzene	µg/L	--	--	<0.040 U	<0.040 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.019	<0.040 U	<0.040 U
1,2,3-Trichloropropane	µg/L	60.	12.	<0.080 U	<0.080 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.031	<0.080 U	<0.080 U
1,2,4-Trichlorobenzene	µg/L	70.	14.	<0.029 U	<0.029 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.022	<0.029 U	<0.029 U
1,2,4-Trimethylbenzene	µg/L	480.	96.	<0.024 U	<0.024 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.011	<0.024 U	<0.024 U
1,2-Dibromo-3-chloropropane	µg/L	0.2	0.02	<0.050 U	<0.050 U	<0.03 U	<0.030 U	<0.090 U	<0.090 U	<0.090 U	<0.090 U	<0.12	<0.050 U	<0.050 U
1,2-Dibromoethane	µg/L	0.05	0.005	<0.040 U	<0.040 U	<0.04 U	<0.040 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.029	<0.040 U	<0.040 U
1,2-Dichlorobenzene	µg/L	600.	60.	<0.025 U	<0.025 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.016	<0.025 U	<0.025 U
1,2-Dichloroethane	µg/L	5.	0.5	<0.024 U	<0.024 U	<0.04 U	<0.040 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.017	0.075 J	0.067 J
1,2-Dichloropropane	µg/L	5.	0.5	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.013	<0.030 U	<0.030 U
1,3,5-Trimethylbenzene	µg/L	480.	96.	<0.022 U	<0.022 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.013	<0.022 U	<0.022 U
1,3-Dichlorobenzene	µg/L	600.	120.	0.1	<0.021 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	0.15	0.033 J
1,3-Dichloropropane	µg/L	--	--	<0.040 U	<0.040 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.020	<0.040 U	<0.040 U
1,4-Dichlorobenzene	µg/L	75.	15.	<0.026 U	<0.026 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.017	<0.026 U	<0.026 U
1,4-Dioxane	µg/L	3.	0.3	NA	NA	NA	NA	<7.0 U	<7.0 U	<7.0 U	<7.0 U	16.	NA	NA
2,2-Dichloropropane	µg/L	--	--	<0.022 U	<0.022 U	<0.04 U	<0.040 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.075	<0.022 U	<0.022 U
2-Butanone (MEK)	µg/L	4000.	800.	<0.80 U	<0.80 U	<0.8 U	<0.80 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.31	<0.80 U	<0.80 U
2-Chlorotoluene	µg/L	--	--	<0.025 U	<0.025 U	<0.06 U	<0.060 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.020	<0.025 U	<0.025 U
2-Hexanone	µg/L	--	--	<0.40 U	<0.40 U	<0.4 U	<0.40 U	<0.24 U	<0.24 U	<0.24 U	<0.24 U	<0.15	<0.40 U	<0.40 U
4-Chlorotoluene	µg/L	--	--	<0.029 U	<0.029 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.029 U	<0.029 U
4-Methyl-2-pentanone (MIBK)	µg/L	500.	50.	<0.26 U	<0.26 U	<0.4 U	<0.40 U	<0.24 U	<0.24 U	<0.24 U	<0.24 U	<0.19	<0.26 U	<0.26 U

Table 3. Groundwater Quality Data, Oconomowoc Electroplating Company Inc. (OECI) Superfund Site Monitoring Wells

	Date Sampled:		12/9/2014	5/7/2015	11/06/2015	5/13/2016	11/3/2016	5/11/2017	11/30/2017	11/16/2018	12/2/2021	12/9/2014	5/7/2015	
	Units	NR140 ES	NR140 PAL	MW-102S	MW-102S	MW-102S	MW-102S	MW-102S	MW-102S	MW-102S	MW-102S	MW-102D	MW-102D	
Acetone	µg/L	9000.	1800.	<1.3 UZ	<1.3 U	<0.9 U	<0.90 U	<0.30 U	0.38 JB	0.51 JB	0.32 JB	<0.84	<1.3 UZ	<1.3 U
Benzene	µg/L	5.	0.5	<0.019 U	<0.019 U	<0.06 U	<0.060 U	<0.018 U	<0.018 U	<0.018 U	<0.018 U	<0.022	<0.019 U	<0.019 U
Bromobenzene	µg/L	--	--	<0.030 U	<0.030 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.018	<0.030 U	<0.030 U
Bromochloromethane	µg/L	--	--	<0.090 U	<0.090 U	<0.017 U	<0.017 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.034	<0.090 U	<0.090 U
Bromodichloromethane	µg/L	0.6	0.06	<0.018 U	<0.018 U	<0.017 U	<0.017 U	<0.016 U	<0.016 U	<0.016 U	<0.016 U	<0.019	<0.018 U	<0.018 U
Bromoform	µg/L	4.4	0.44	<0.060 U	<0.060 U	<0.018 U	<0.018 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.041	<0.060 U	<0.060 U
Bromomethane	µg/L	10.	1.	<0.070 U	<0.070 UQ,Z	<0.09 U	<0.090 U	<0.080 UZ	<0.080 UZ	<0.080 UZ	<0.080 UZ	<0.052	<0.070 U	<0.070 UQ,Z
Carbon disulfide	µg/L	1000.	200.	<0.080 U	<0.080 U	<0.11 U	<0.11 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.11	<0.080 U	<0.080 U
Carbon tetrachloride	µg/L	5.	0.05	<0.029 U	<0.029 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.018	<0.029 U	<0.029 U
Chlorobenzene	µg/L	--	--	<0.024 U	<0.024 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.024 U	<0.024 U
Chloroethane	µg/L	400.	80.	<0.040 U	<0.040 U	<0.06 U	<0.060 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.40	<0.040 U	<0.040 U
Chloroform	µg/L	6.	0.6	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.016	<0.030 U	<0.030 U
Chloromethane	µg/L	30.	3.	0.066 JB	<0.040 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	0.076 J	<0.045	0.055 JB	<0.040 U
cis-1,2-Dichloroethene	µg/L	70.	7.	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.023	10.	7.8
cis-1,3-Dichloropropene	µg/L	0.4	0.04	<0.020 U	<0.020 U	<0.015 U	<0.015 U	<0.011 U	<0.011 U	<0.011 U	<0.011 U	<0.014	<0.020 U	<0.020 U
Dibromochloromethane	µg/L	60.	6.	<0.040 U	<0.040 U	<0.016 U	<0.016 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.016	<0.040 U	<0.040 U
Dibromomethane	µg/L	--	--	<0.040 U	<0.040 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.018	<0.040 U	<0.040 U
Dichlorodifluoromethane	µg/L	1000.	200.	<0.11 U	<0.11 U	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.091	<0.11 U	<0.11 U
Diisopropyl ether	µg/L	--	--	<0.021 U	<0.021 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.02	<0.021 U	<0.021 U
Ethylbenzene	µg/L	700.	140.	<0.019 U	<0.019 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.014	<0.019 U	<0.019 U
Hexachlorobutadiene	µg/L	--	--	<0.070 U	<0.070 U	<0.07 U	<0.070 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.027	<0.070 U	<0.070 U
Isopropylbenzene	µg/L	--	--	<0.060 U	<0.060 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.014	<0.060 U	<0.060 U
m & p-Xylene	µg/L	2000.	400.	<0.050 U	<0.050 U	<0.12 U	<0.12 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.027	<0.050 U	<0.050 U
Methyl tert-butyl ether	µg/L	60.	12.	<0.040 U	<0.040 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.014	0.35	0.38
Methylene chloride	µg/L	5.	0.5	<0.15 U	<0.15 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	0.050 UZYQ	<0.090	<0.15 U	<0.15 U
Naphthalene	µg/L	100.	10.	<0.040 U	<0.040 U	<0.05 U	<0.050 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.025	<0.040 U	<0.040 U
n-Butylbenzene	µg/L	--	--	<0.021 U	<0.021 U	<0.05 U	<0.050 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.021	<0.021 U	<0.021 U
n-Propylbenzene	µg/L	--	--	<0.022 U	<0.022 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.022 U	<0.022 U
o-Xylene	µg/L	2000.	400.	<0.027 U	<0.027 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.016	<0.027 U	<0.027 U
p-Isopropyltoluene	µg/L	--	--	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.016	<0.030 U	<0.030 U
sec-Butylbenzene	µg/L	--	--	<0.024 U	<0.024 U	<0.05 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.012	<0.024 U	<0.024 U
Styrene	µg/L	100.	10.	<0.020 U	<0.020 U	<0.05 U	<0.050 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.014	<0.020 U	<0.020 U
tert-Butylbenzene	µg/L	--	--	<0.025 U	<0.025 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.025 U	<0.025 U
Tetrachloroethene	µg/L	5.	0.05	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.028	<0.030 U	<0.030 U
Tetrahydrofuran	µg/L	50.	10.	<0.70 U	<0.70 U	<0.6 U	<0.60 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.38	<0.70 U	<0.70 U
Toluene	µg/L	800.	160.	<0.027 U	<0.027 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.014	<0.027 U	<0.027 U
trans-1,2-Dichloroethene	µg/L	100.	20.	<0.040 U	<0.040 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.020	0.28	0.22
trans-1,3-Dichloropropene	µg/L	0.4	0.04	<0.018 U	<0.018 U	<0.014 U	<0.014 U	<0.019 U	<0.019 U	<0.019 U	<0.019 U	<0.020	<0.018 U	<0.018 U
Trichloroethene	µg/L	5.	0.5	<0.020 U	<0.020 U	<0.03 U	<0.030 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.022	0.37	0.26
Trichlorofluoromethane	µg/L	--	--	<0.024 U	<0.024 U	<0.05 U	<0.050 U	<0.090 U	<0.090 U	<0.090 U	<0.090 U	<0.033	<0.024 U	<0.024 U
Vinyl acetate	µg/L	--	--	<0.60 U	<0.60 U	<0.5 U	<0.50 U	<0.22 U	<0.22 U	<0.22 U	<0.22 U	<0.14	<0.60 U	<0.60 U
Vinyl chloride	µg/L	0.2	0.02	<0.019 U	<0.019 U	<0.016 U	<0.016 U	<0.019 U	<0.019 U	<0.019 U	<0.019 U	0.15	0.23	0.23

Table 3. Groundwater Quality Data, Oconomowoc Electroplating Company Inc. (OECI) Superfund Site Monitoring Wells

	Date Sampled:			11/06/2015	5/18/2016	11/3/2016	5/11/2017	11/30/2017	11/16/2018	12/2/2021	12/8/2014	5/5/2015	11/04/2015	5/18/2016
	Units	NR140 ES	NR140 PAL	MW-102D	MW-102D	MW-102D	MW-102D	MW-102D	MW-102D	MW-102D	MW-103S	MW-103S	MW-103S	MW-103S
Field Parameters														
Dissolved Oxygen (DO)	mg/L	--	--	0.30	0.29	0.00	1.07	0.00	0.87	2.07	0.76	0.00	0.65	5.74
Oxidation Reduction Potential	millivolts	--	--	-70	-2	-87	-44	-83	-116	-19.9	116	90	134	213
pH	pH-units	--	--	6.88	6.79	7.20	7.06	7.46	7.05	7.69	7.05	7.07	7.04	6.65
Specific Conductivity	umhos/cm	--	--	887	1400	1330	1180	958	1202	1263.3	736	1040	896	841
Temperature	deg-C	--	--	11.65	11.56	11.12	12.36	17.73	11.19	12.19	8.99	8.07	18.20	10.40
Turbidity	ntu	--	--	0.	0.	0.	0.	0.	0.	157.35	2.4	4.6	0.	0.
Natural Attenuation Parameters														
Alkalinity, total (as CaCO ₃)	mg/L	--	--	340.	460.	480.	480.	370.	480.	400.	510.	450.	550.	490.
Chloride (as Cl)	mg/L	250.	125.	160.	220.	210.	210 M	290.	220.	190.	71.	47.	89.	57.
Iron, total (unfiltered)	mg/L	--	--	0.628	1.4	1.67	1.76	1.04	1.92	1.78	0.0347 J	0.0645 J	0.0491 J	0.0206 J
Iron, dissolved (filtered)	mg/L	0.3	0.15	0.553	1.54	1.78	1.72	0.961	1.96	1.67	0.0224 J	<0.010 U	0.0222 J	0.0339
Manganese, total (unfiltered)	µg/L	--	--	31.8	37.7	40.2	35.6	25.8	38.5	46.6	394.	414.	449.	394.
Manganese, dissolved (filtered)	µg/L	50.	25.	20.3	34.2	39.7	35.1	26.	39.	41.5	182.	366.	311.	348.
Nitrate Nitrogen, total	mg/L	10.	2.	NA	NA	NA	NA	NA	NA	0.16	NA	NA	NA	NA
Acetylene	µg/L	--	--	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23U	<0.23 UMY	NA	<0.23 U	<0.23 U	<0.23 U	<0.23 U
Ethane	µg/L	--	--	<0.9 U	<0.40 U	<0.40 U	<0.40 U	<0.40U	<0.80 UMY	<0.38	<0.60 U	<0.60 U	<0.9 U	<0.40 U
Ethene	µg/L	--	--	<1.2 U	<0.50 U	<0.50 U	<0.50 U	<0.50U	<1.2 UMY	<0.59	<0.90 U	<0.90 U	<1.2 U	<0.50 U
Methane	µg/L	--	--	7.9	12.	8.8	3.1	0.44J	2.1 MY	1.7	3.	6.2	11.	88.
Sulfate(as SO ₄)	mg/L	250.	125.	45.	100.	96.	87 M	55.	93.	76.	52.	46.	88.	69.
Total Organic Carbon	mg/L	--	--	0.84 J	2.3	2.3	3.6	1.1J	2.5	1.4	6.8	5.7	6.9	6.9
VOCs														
1,1,1,2-Tetrachloroethane	µg/L	70.	7.	<0.05 U	<0.25 U	<0.040 U	<0.10 U	<0.10 U	<0.040 U	<0.013	<0.30 U	<0.30 U	<0.5 U	<0.50 U
1,1,1-Trichloroethane	µg/L	200.	40.	<0.06 U	<0.30 U	<0.050 U	<0.13 U	<0.050 U	<0.050 U	<0.013	32.	21.	39.	30.
1,1,2,2-Tetrachloroethane	µg/L	0.2	0.02	<0.02 U	<0.10 U	<0.017 U	<0.043 U	<0.017 U	<0.017 U	<0.015	<0.20 U	<0.20 U	<0.2 U	<0.20 U
1,1,2-Trichloroethane	µg/L	5.	0.5	<0.05 U	<0.25 U	<0.050 U	<0.13 U	<0.050 U	<0.050 U	<0.036	<0.70 U	<0.70 U	<0.5 U	<0.50 U
1,1-Dichloroethane	µg/L	850.	85.	<0.06 U	<0.30 U	<0.060 U	<0.15 U	<0.060 U	<0.060 U	<0.017	7.3	4.8	12.	7.6
1,1-Dichloroethene	µg/L	7.	0.7	<0.07 U	<0.35 U	0.09 J	<0.15 U	<0.060 U	0.083 J	0.08	2.3	1.8	5.1	4.
1,1-Dichloropropene	µg/L	--	--	<0.06 U	<0.30 U	<0.060 U	<0.15 U	<0.060 U	<0.060 U	<0.074	<0.80 U	<0.80 U	<0.6 U	<0.60 U
1,2,3-Trichlorobenzene	µg/L	--	--	<0.05 U	<0.25 U	<0.040 U	<0.10 U	<0.040 U	<0.040 U	<0.019	<0.40 U	<0.40 U	<0.5 U	<0.50 U
1,2,3-Trichloropropane	µg/L	60.	12.	<0.04 U	<0.20 U	<0.040 U	<0.10 U	<0.040 U	<0.040 U	<0.031	<0.80 U	<0.80 U	<0.4 U	<0.40 U
1,2,4-Trichlorobenzene	µg/L	70.	14.	<0.04 U	<0.20 U	<0.040 U	<0.10 U	<0.040 U	<0.040 U	<0.022	<0.29 U	<0.29 U	<0.4 U	<0.40 U
1,2,4-Trimethylbenzene	µg/L	480.	96.	<0.05 U	<0.25 U	<0.040 U	<0.10 U	<0.040 U	<0.040 U	<0.011	<0.24 U	<0.24 U	<0.5 U	<0.50 U
1,2-Dibromo-3-chloropropane	µg/L	0.2	0.02	<0.03 U	<0.15 U	<0.090 U	<0.23 U	<0.090 U	<0.090 U	<0.12	<0.50 U	<0.50 U	<0.3 U	<0.30 U
1,2-Dibromoethane	µg/L	0.05	0.005	<0.04 U	<0.20 U	<0.070 U	<0.18 U	<0.070 U	<0.070 U	<0.029	<0.40 U	<0.40 U	<0.4 U	<0.40 U
1,2-Dichlorobenzene	µg/L	600.	60.	<0.06 U	<0.30 U	<0.040 U	<0.10 U	<0.040 U	<0.040 U	<0.016	<0.25 U	<0.25 U	<0.6 U	<0.60 U
1,2-Dichloroethane	µg/L	5.	0.5	0.074 J	0.28 J	0.26	0.3 J	0.13J	0.21	0.15	0.33 J	0.75 J	1.2 J	1.2 J
1,2-Dichloropropane	µg/L	5.	0.5	<0.06 U	<0.30 U	<0.070 U	<0.18 U	<0.070 U	<0.070 U	<0.013	<0.30 U	<0.30 U	<0.6 U	<0.60 U
1,3,5-Trimethylbenzene	µg/L	480.	96.	<0.06 U	<0.30 U	<0.050 U	<0.13 U	<0.050 U	<0.050 U	<0.013	<0.22 U	<0.22 U	<0.6 U	<0.60 U
1,3-Dichlorobenzene	µg/L	600.	120.	<0.06 U	<0.30 U	<0.040 U	<0.10 U	<0.040 U	<0.040 U	<0.013	<0.21 U	<0.21 U	<0.6 U	<0.60 U
1,3-Dichloropropane	µg/L	--	--	<0.04 U	<0.20 U	<0.040 U	<0.10 U	<0.040 U	<0.040 U	<0.020	<0.40 U	<0.40 U	<0.4 U	<0.40 U
1,4-Dichlorobenzene	µg/L	75.	15.	<0.05 U	<0.25 U	<0.040 U	<0.10 U	<0.040 U	<0.040 U	<0.017	<0.26 U	<0.26 U	<0.5 U	<0.50 U
1,4-Dioxane	µg/L	3.	0.3	NA	NA	<7.0 U	<18 U	<7.0 U	<7.0 U	<7.0	NA	NA	NA	NA
2,2-Dichloropropane	µg/L	--	--	<0.04 U	<0.20 U	<0.050 U	<0.13 U	<0.050 U	<0.050 U	<0.075	<0.22 U	<0.22 U	<0.4 U	<0.40 U
2-Butanone (MEK)	µg/L	4000.	800.	<0.8 U	<4.0 U	<0.50 U	<1.3 U	3.	<0.50 U	<0.31	<8.0 U	<8.0 U	<8 U	<8.0 U
2-Chlorotoluene	µg/L	--	--	<0.06 U	<0.30 U	<0.030 U	<0.075 U	<0.030 U	<0.030 U	<0.020	<0.25 U	<0.25 U	<0.6 U	<0.60 U
2-Hexanone	µg/L	--	--	<0.4 U	<2.0 U	<0.24 U	<0.60 U	<0.24 U	<0.24 U	<0.020	<4.0 U	<4.0 U	<4 U	<4.0 U
4-Chlorotoluene	µg/L	--	--	<0.05 U	<0.25 U	<0.040 U	<0.10 U	<0.040 U	<0.040 U	<0.013	<0.29 U	<0.29 U	<0.5 U	<0.50 U
4-Methyl-2-pentanone (MIBK)	µg/L	500.	50.	<0.4 U	<2.0 U	<0.24 U	<0.60 U	<0.24 U	<0.24 U	<0.19	<2.6 U	<2.6 U	<4 U	<4.0 U

Table 3. Groundwater Quality Data, Oconomowoc Electroplating Company Inc. (OECI) Superfund Site Monitoring Wells

	Date Sampled:			11/06/2015	5/18/2016	11/3/2016	5/11/2017	11/30/2017	11/16/2018	12/2/2021	12/8/2014	5/5/2015	11/04/2015	5/18/2016
	Units	NR140 ES	NR140 PAL	MW-102D	MW-102D	MW-102D	MW-102D	MW-102D	MW-102D	MW-102D	MW-103S	MW-103S	MW-103S	MW-103S
Acetone	µg/L	9000.	1800.	<0.9 U	110 B	<0.30 U	2 JB	0.39 JB	0.42 JB	<0.84	<13 UZ	<13 UZ	<9 U	250 B
Benzene	µg/L	5.	0.5	<0.06 U	<0.30 U	<0.018 U	<0.045 U	<0.018 U	<0.018 U	<0.022	0.59 J	0.43 J	<0.6 U	<0.60 U
Bromobenzene	µg/L	--	--	<0.04 U	<0.20 U	<0.040 U	<0.10 U	<0.040 U	<0.040 U	<0.018	<0.30 U	<0.30 U	<0.4 U	<0.40 U
Bromochloromethane	µg/L	--	--	<0.017 U	<0.085 U	<0.030 U	<0.075 U	<0.030 U	<0.030 U	<0.034	<0.90 U	<0.90 U	<0.17 U	<0.17 U
Bromodichloromethane	µg/L	0.6	0.06	<0.017 U	<0.085 U	<0.016 U	<0.040 U	<0.016 U	<0.016 U	<0.019	<0.18 U	<0.18 U	<0.17 U	<0.17 U
Bromoform	µg/L	4.4	0.44	<0.018 U	<0.090 U	<0.040 U	<0.10 U	<0.040 U	<0.040 U	<0.041	<0.60 U	<0.60 U	<0.18 U	<0.18 U
Bromomethane	µg/L	10.	1.	<0.09 U	<0.45 U	<0.080 U	<0.20 U	<0.080 UZ	<0.080 UY	<0.052	<0.70 U	<0.70 U	<0.9 U	<0.90 U
Carbon disulfide	µg/L	1000.	200.	<0.11 U	<0.55 U	<0.070 U	<0.18 U	<0.070 U	<0.070 U	<0.11	<0.80 U	<0.80 U	<1.1 U	<1.1 U
Carbon tetrachloride	µg/L	5.	0.05	<0.06 U	<0.30 U	<0.050 U	<0.13 U	<0.050 U	<0.050 U	<0.018	<0.29 U	<0.29 U	<0.6 U	<0.60 U
Chlorobenzene	µg/L	--	--	<0.04 U	<0.20 U	<0.040 U	<0.10 U	<0.040 U	<0.040 U	<0.013	1.3	0.76 J	2.1	0.86 J
Chloroethane	µg/L	400.	80.	<0.06 U	<0.30 U	<0.070 U	<0.18 U	<0.070 U	<0.070 U	<0.40	<0.40 U	<0.40 U	0.72 J	1.3 J
Chloroform	µg/L	6.	0.6	<0.06 U	<0.30 U	<0.030 U	<0.075 U	<0.030 U	<0.030 U	<0.016	<0.30 U	<0.30 U	<0.6 U	<0.60 U
Chloromethane	µg/L	30.	3.	<0.05 U	<0.25 U	<0.040 U	0.1 J	<0.040 U	0.1 J	<0.045	<0.40 U	<0.40 U	<0.5 U	<0.50 U
cis-1,2-Dichloroethene	µg/L	70.	7.	9.3	28.	32.	38.	18.	30.	35.	27.	19.	54.	33.
cis-1,3-Dichloropropene	µg/L	0.4	0.04	<0.015 U	<0.075 U	<0.011 U	<0.028 U	<0.011 U	<0.011 U	<0.014	<0.20 U	<0.20 U	<0.15 U	<0.15 U
Dibromochloromethane	µg/L	60.	6.	<0.016 U	<0.080 U	<0.030 U	<0.075 U	<0.030 U	<0.030 U	<0.016	<0.40 U	<0.40 U	<0.16 U	<0.16 U
Dibromomethane	µg/L	--	--	<0.06 U	<0.30 U	<0.050 U	<0.13 U	<0.050 U	<0.050 U	<0.018	<0.40 U	<0.40 U	<0.6 U	<0.60 U
Dichlorodifluoromethane	µg/L	1000.	200.	<0.06 U	<0.30 U	<0.060 U	<0.15 U	<0.060 U	<0.060 U	<0.091	<1.1 U	<1.1 U	<0.6 U	<0.60 U
Diisopropyl ether	µg/L	--	--	<0.04 U	<0.20 U	<0.040 U	<0.10 U	<0.040 U	<0.040 U	0.027	<0.21 U	<0.21 U	<0.4 U	<0.40 U
Ethylbenzene	µg/L	700.	140.	<0.06 U	<0.30 U	<0.040 U	<0.10 U	<0.040 U	<0.040 U	<0.014	<0.19 U	<0.19 U	<0.6 U	<0.60 U
Hexachlorobutadiene	µg/L	--	--	<0.07 U	<0.35 U	<0.050 U	<0.13 U	<0.050 U	<0.050 U	<0.027	<0.70 U	<0.70 U	<0.7 U	<0.70 U
Isopropylbenzene	µg/L	--	--	<0.05 U	<0.25 U	<0.040 U	<0.10 U	<0.040 U	<0.040 U	<0.014	<0.60 U	<0.60 U	<0.5 U	<0.50 U
m & p-Xylene	µg/L	2000.	400.	<0.12 U	<0.60 U	<0.070 U	<0.18 U	<0.070 U	<0.070 U	<0.022	<0.50 U	<0.50 U	<1.2 U	<1.2 U
Methyl tert-butyl ether	µg/L	60.	12.	0.35	0.98	1.	1.	0.51	0.72	0.87	<0.40 U	<0.40 U	<0.4 U	<0.40 U
Methylene chloride	µg/L	5.	0.5	<0.06 U	<0.30 U	<0.050 U	2.7	<0.050 U	0.050 UZYQ	<0.090	<1.5 U	<1.5 U	<0.6 U	<0.60 U
Naphthalene	µg/L	100.	10.	<0.05 U	<0.25 U	<0.030 U	<0.075 U	<0.030 U	<0.030 U	<0.025	<0.40 U	<0.40 U	<0.5 U	<0.50 U
n-Butylbenzene	µg/L	--	--	<0.05 U	<0.25 U	<0.030 U	<0.075 U	<0.030 U	<0.030 U	<0.021	<0.21 U	<0.21 U	<0.5 U	<0.50 U
n-Propylbenzene	µg/L	--	--	<0.05 U	<0.25 U	<0.040 U	<0.10 U	<0.040 U	<0.040 U	<0.013	<0.22 U	<0.22 U	<0.5 U	<0.50 U
o-Xylene	µg/L	2000.	400.	<0.05 U	<0.25 U	<0.040 U	<0.10 U	<0.040 U	<0.040 U	<0.016	<0.27 U	<0.27 U	<0.5 U	<0.50 U
p-Isopropyltoluene	µg/L	--	--	<0.06 U	<0.30 U	<0.040 U	<0.10 U	<0.040 U	<0.040 U	<0.016	<0.30 U	<0.30 U	<0.6 U	<0.60 U
sec-Butylbenzene	µg/L	--	--	<0.05 U	<0.25 U	<0.050 U	<0.13 U	<0.050 U	<0.050 U	<0.012	<0.24 U	<0.24 U	<0.5 U	<0.50 U
Styrene	µg/L	100.	10.	<0.05 U	<0.25 U	<0.030 U	<0.075 U	<0.030 U	<0.030 U	<0.014	<0.20 U	<0.20 U	<0.5 U	<0.50 U
tert-Butylbenzene	µg/L	--	--	<0.06 U	<0.30 U	<0.040 U	<0.10 U	<0.040 U	<0.040 U	<0.013	<0.25 U	<0.25 U	<0.6 U	<0.60 U
Tetrachloroethene	µg/L	5.	0.05	<0.06 U	<0.30 U	<0.050 U	<0.13 U	<0.050 U	<0.050 U	<0.028	3.8	8.3	11.	9.6
Tetrahydrofuran	µg/L	50.	10.	<0.6 U	<3.0 U	<0.40 U	<1.0 U	<0.40 U	<0.40 U	<0.38	<7.0 U	<7.0 U	<6 U	<6.0 U
Toluene	µg/L	800.	160.	<0.06 U	<0.30 U	<0.040 U	<0.10 U	<0.040 U	<0.040 U	<0.014	<0.27 U	<0.27 U	<0.6 U	<0.60 U
trans-1,2-Dichloroethene	µg/L	100.	20.	0.25	0.72 J	1.1	1.1	0.52	0.84	0.43	1.1 J	0.74 J	2.	0.90 J
trans-1,3-Dichloropropene	µg/L	0.4	0.04	<0.014 U	<0.070 U	<0.019 U	<0.048 U	<0.019 U	<0.019 U	<0.020	<0.18 U	<0.18 U	<0.14 U	<0.14 U
Trichloroethene	µg/L	5.	0.5	0.36	0.24 J	0.17	0.16 J	0.21	0.23	0.079	100.	73.	130.	57.
Trichlorofluoromethane	µg/L	--	--	<0.05 U	<0.25 U	<0.090 U	<0.23 U	<0.090 U	<0.090 U	<0.033	<0.24 U	<0.24 U	<0.5 U	<0.50 U
Vinyl acetate	µg/L	--	--	<0.5 U	<2.5 U	<0.22 U	<0.55 U	2.5	<0.22 U	<0.14	<6.0 U	<6.0 U	<5 U	<5.0 U
Vinyl chloride	µg/L	0.2	0.02	0.21	0.32	0.23	0.25	0.25	0.25	1.1	0.49 J	0.64	1.5	1.5

Table 3. Groundwater Quality Data, Oconomowoc Electroplating Company Inc. (OECI) Superfund Site Monitoring Wells

	Date Sampled:		11/2/2016	5/9/2017	11/28/2017	11/8/2018	12/1/2021	12/8/2014	12/17/2014	5/5/2015	5/5/2015	11/04/2015	11/04/2015	
	Units	NR140 ES	NR140 PAL	MW-103S	MW-103S	MW-103S	MW-103S	MW-103S	MW-103D	MW-103D Dup	MW-103D	MW-103D Dup	MW-103D	MW-103D DUP
Field Parameters														
Dissolved Oxygen (DO)	mg/L	--	--	0.92	2.10	0.00	0.76	1.41	9.07	11.65	0.00	0.00	0.46	0.47
Oxidation Reduction Potential	millivolts	--	--	165	132	-27	47	48.2	-6	39	81	81	78	82
pH	pH-units	--	--	6.78	7.22	7.13	6.84	7.57	6.96	7.75	7.17	7.17	7.11	7.10
Specific Conductivity	umhos/cm	--	--	883	1080	782	778	1017.3	826	1050	1410	1410	923	923
Temperature	deg-C	--	--	8.03	8.30	17.34	11.47	11.82	9.17	8.60	9.78	9.78	13.82	13.79
Turbidity	ntu	--	--	0.	0.	0.	0.	169.81	3.65	0.	3.2	3.2	0.	0.
Natural Attenuation Parameters														
Alkalinity, total (as CaCO ₃)	mg/L	--	--	450.	520.	590.	500.	540.	420.	410.	390.	400.	440.	440.
Chloride (as Cl)	mg/L	250.	125.	68.	31.	97.	23.	68.	180 M	140.	170.	170.	150.	150.
Iron, total (unfiltered)	mg/L	--	--	0.04 J	0.0721 J	0.0547 J	<0.034 U	0.0649	0.12	<0.020 U	0.0253 J	0.128	0.0614 J	0.0473 J
Iron, dissolved (filtered)	mg/L	0.3	0.15	<0.059 U	<0.059 U	<0.059 U	<0.059 U	0.0303	0.0229 J	0.0168 J	<0.010 U	<0.010 U	0.0399	0.0419
Manganese, total (unfiltered)	µg/L	--	--	274.	423.	984.	408.	387.	258.	233.	340.	367.	309.	294.
Manganese, dissolved (filtered)	µg/L	50.	25.	319.	547 M	309.	377.	233.	195.	207.	324.	320.	280.	282.
Nitrate Nitrogen, total	mg/L	10.	2.	NA	NA	NA	NA	<0.12	NA	NA	NA	NA	NA	NA
Acetylene	µg/L	--	--	<0.23 U	<0.23 UM	<0.23 U	<0.23 U	NA	<0.23 U	<0.60 U	<0.60 U	<0.60 U	<0.23 U	<0.23 U
Ethane	µg/L	--	--	<0.40 U	<0.40 UM	<0.40 U	<0.40 U	<0.38	<0.60 U	<0.23 U	<0.23 U	<0.23 U	<0.9 U	<0.9 U
Ethene	µg/L	--	--	<0.50 U	<0.50 UM	<0.50 U	<1.2 U	<0.59	<0.90 U	<0.90 U	<0.90 U	<0.90 U	<1.2 U	<1.2 U
Methane	µg/L	--	--	7.7	5.2	78.	1.2	58.	1.9	2.8	5.1	4.6	4.5	5.2
Sulfate(as SO ₄)	mg/L	250.	125.	35.	67 M	100.	22.	60.	62.	53.	60.	60.	62.	61.
Total Organic Carbon	mg/L	--	--	6.	8.5	5.3	6.3	6.2	7.	21.	5.2	4.9	3.9	4.1
VOCs														
1,1,1,2-Tetrachloroethane	µg/L	70.	7.	<0.40 U	<0.80 U	<0.80 U	<0.20 U	<0.013	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<1 U	<1 U
1,1,1-Trichloroethane	µg/L	200.	40.	37.	58.	53.	23.	20.	55.	55.	49.	47.	46.	43.
1,1,2,2-Tetrachloroethane	µg/L	0.2	0.02	<0.17 U	<0.34 U	<0.34 U	<0.085 U	<0.015	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<0.4 U	<0.4 U
1,1,2-Trichloroethane	µg/L	5.	0.5	<0.50 U	<1.0 U	<1.0 U	<0.25 U	<0.036	<3.5 U	<3.5 U	<3.5 U	<3.5 U	<1 U	<1 U
1,1-Dichloroethane	µg/L	850.	85.	5.1	11.	11.	3.	6.0	8.3	8.3	7.9	7.8	7.	7.1
1,1-Dichloroethene	µg/L	7.	0.7	2.	6.4	4.4	1.4	0.83	2.9 J	2.4 J	2 J	2.3 J	2.3 J	2.4 J
1,1-Dichloropropene	µg/L	--	--	<0.60 U	<1.2 U	<1.2 U	<0.30 U	<0.074	<4.0 U	<4.0 U	<4.0 U	<4.0 U	<1.2 U	<1.2 U
1,2,3-Trichlorobenzene	µg/L	--	--	<0.40 U	<0.80 U	<0.80 U	<0.20 U	<0.019	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<1 U	<1 U
1,2,3-Trichloropropane	µg/L	60.	12.	<0.40 U	<0.80 U	<0.80 U	<0.20 U	<0.031	<4.0 U	<4.0 U	<4.0 U	<4.0 U	<0.8 U	<0.8 U
1,2,4-Trichlorobenzene	µg/L	70.	14.	<0.40 U	<0.80 U	<0.80 U	<0.20 U	<0.022	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<0.8 U	<0.8 U
1,2,4-Trimethylbenzene	µg/L	480.	96.	<0.40 U	<0.80 U	<0.80 U	<0.20 U	<0.011	16.	1.6 J	<1.2 U	<1.2 U	<1 U	<1 U
1,2-Dibromo-3-chloropropane	µg/L	0.2	0.02	<0.90 U	<1.8 U	<1.8 U	<0.45 U	<0.12	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<0.6 U	<0.6 U
1,2-Dibromoethane	µg/L	0.05	0.005	<0.70 U	<1.4 U	<1.4 U	<0.35 U	<0.029	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<0.8 U	<0.8 U
1,2-Dichlorobenzene	µg/L	600.	60.	<0.40 U	<0.80 U	<0.80 U	<0.20 U	<0.016	<1.3 U	<1.3 U	<1.3 U	<1.3 U	<1.2 U	<1.2 U
1,2-Dichloroethane	µg/L	5.	0.5	<0.50 U	<1.0 U	<1.0 U	<0.25 U	<0.017	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<0.8 U	<0.8 U
1,2-Dichloropropane	µg/L	5.	0.5	<0.70 U	<1.4 U	<1.4 U	<0.35 U	<0.013	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<1.2 U	<1.2 U
1,3,5-Trimethylbenzene	µg/L	480.	96.	<0.50 U	<1.0 U	<1.0 U	<0.25 U	<0.013	<1.1 U	<1.1 U	<1.1 U	<1.1 U	<1.2 U	<1.2 U
1,3-Dichlorobenzene	µg/L	600.	120.	<0.40 U	<0.80 U	<0.80 U	<0.20 U	<0.013	<1.1 U	<1.1 U	<1.1 U	<1.1 U	<1.2 U	<1.2 U
1,3-Dichloropropane	µg/L	--	--	<0.40 U	<0.80 U	<0.80 U	<0.20 U	<0.020	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<0.8 U	<0.8 U
1,4-Dichlorobenzene	µg/L	75.	15.	<0.40 U	<0.80 U	<0.80 U	<0.20 U	<0.017	<1.3 U	<1.3 U	<1.3 U	<1.3 U	<1 U	<1 U
1,4-Dioxane	µg/L	3.	0.3	<70 U	<140 U	<140 U	<35 U	12.	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	µg/L	--	--	<0.50 U	<1.0 U	<1.0 U	<0.25 U	<0.075	<1.1 U	<1.1 U	<1.1 U	<1.1 U	<0.8 U	<0.8 U
2-Butanone (MEK)	µg/L	4000.	800.	<5.0 U	<10 U	<10 U	<2.5 U	<0.31	<40 U	<40 U	<40 U	<40 U	<16 U	<16 U
2-Chlorotoluene	µg/L	--	--	<0.30 U	<0.60 U	<0.60 U	<0.15 U	<0.020	<1.3 U	<1.3 U	<1.3 U	<1.3 U	<1.2 U	<1.2 U
2-Hexanone	µg/L	--	--	<2.4 U	<4.8 U	<4.8 U	<1.2 U	<0.15	<20 U	<20 U	<20 U	<20 U	<8 U	<8 U
4-Chlorotoluene	µg/L	--	--	<0.40 U	<0.80 U	<0.80 U	<0.20 U	<0.013	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<1 U	<1 U
4-Methyl-2-pentanone (MIBK)	µg/L	500.	50.	<2.4 U	<4.8 U	<4.8 U	<1.2 U	<0.19	<13 U	<13 U	<13 U	<13 U	<8 U	<8 U

Table 3. Groundwater Quality Data, Oconomowoc Electroplating Company Inc. (OECI) Superfund Site Monitoring Wells

	Date Sampled:		11/2/2016	5/9/2017	11/28/2017	11/8/2018	12/1/2021	12/8/2014	12/17/2014	5/5/2015	5/5/2015	11/04/2015	11/04/2015	
	Units	NR140 ES	NR140 PAL	MW-103S	MW-103S	MW-103S	MW-103S	MW-103S	MW-103D	MW-103D Dup	MW-103D	MW-103D Dup	MW-103D	MW-103D DUP
Acetone	µg/L	9000.	1800.	<3.0 U	19 JB	25 B	1.9 JB	<0.84	<65 UZ	<65 UZ	<65 UZ	<65 UZ	<18 U	<18 U
Benzene	µg/L	5.	0.5	0.31 J	0.55 J	<0.36 U	0.35	0.25	<0.95 U	<0.95 U	<0.95 U	<0.95 U	<1.2 U	<1.2 U
Bromobenzene	µg/L	--	--	<0.40 U	<0.80 U	<0.80 U	<0.20 U	<0.018	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<0.8 U	<0.8 U
Bromochloromethane	µg/L	--	--	<0.30 U	<0.60 U	<0.60 UQ	<0.15 U	<0.034	<4.5 U	<4.5 U	<4.5 U	<4.5 U	<0.34 U	<0.34 U
Bromodichloromethane	µg/L	0.6	0.06	<0.16 U	<0.32 U	<0.32 U	<0.080 U	<0.019	<0.90 U	<0.90 U	<0.90 U	<0.90 U	<0.34 U	<0.34 U
Bromoform	µg/L	4.4	0.44	<0.40 UZ	<0.80 U	<0.80 U	<0.20 U	<0.041	<3.0 U	<3.0 U	<3.0 U	<3.0 U	<0.36 U	<0.36 U
Bromomethane	µg/L	10.	1.	<0.80 U	<1.6 UZ	<1.6 UZ	<0.40 U	<0.052	<3.5 U	<3.5 UZ	<3.5 U	<3.5 U	<1.8 U	<1.8 U
Carbon disulfide	µg/L	1000.	200.	<0.70 U	<1.4 U	<1.4 U	<0.35 U	<0.11	<4.0 U	<4.0 U	<4.0 U	<4.0 U	<2.2 U	<2.2 U
Carbon tetrachloride	µg/L	5.	0.05	<0.50 U	<1.0 U	<1.0 U	<0.25 U	<0.018	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<1.2 U	<1.2 U
Chlorobenzene	µg/L	--	--	1.4 J	<0.80 U	1.2 J	0.55 J	0.74	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<0.8 U	<0.8 U
Chloroethane	µg/L	400.	80.	<0.70 U	<1.4 U	<1.4 U	<0.35 U	<0.40	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<1.2 U	<1.2 U
Chloroform	µg/L	6.	0.6	<0.30 U	<0.60 U	<0.60 U	<0.15 U	0.022	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<1.2 U	<1.2 U
Chloromethane	µg/L	30.	3.	<0.40 U	<0.80 U	<0.80 U	<0.20 U	<0.045	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<1 U	<1 U
cis-1,2-Dichloroethene	µg/L	70.	7.	13.	24.	14.	3.9	11.	63.	60.	48.	50.	48.	50.
cis-1,3-Dichloropropene	µg/L	0.4	0.04	<0.11 U	<0.22 U	<0.22 U	<0.055 U	<0.014	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<0.3 U	<0.3 U
Dibromochloromethane	µg/L	60.	6.	<0.30 U	<0.60 U	<0.60 U	<0.15 U	<0.016	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<0.32 U	<0.32 U
Dibromomethane	µg/L	--	--	<0.50 U	<1.0 U	<1.0 U	<0.25 U	<0.018	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<1.2 U	<1.2 U
Dichlorodifluoromethane	µg/L	1000.	200.	<0.60 U	<1.2 U	<1.2 U	<0.30 U	<0.091	<5.5 U	<5.5 U	<5.5 U	<5.5 U	<1.2 U	<1.2 U
Diisopropyl ether	µg/L	--	--	<0.40 U	<0.80 U	<0.80 U	<0.20 U	<0.02	<1.1 U	<1.1 U	<1.1 U	<1.1 U	<0.8 U	<0.8 U
Ethylbenzene	µg/L	700.	140.	<0.40 U	<0.80 U	<0.80 U	<0.20 U	<0.014	<0.95 U	<0.95 U	<0.95 U	<0.95 U	<1.2 U	<1.2 U
Hexachlorobutadiene	µg/L	--	--	<0.50 U	<1.0 U	<1.0 U	<0.25 U	<0.027	<3.5 U	<3.5 U	<3.5 U	<3.5 U	<1.4 U	<1.4 U
Isopropylbenzene	µg/L	--	--	<0.40 U	<0.80 U	<0.80 U	<0.20 U	<0.014	<3.0 U	<3.0 U	<3.0 U	<3.0 U	<1 U	<1 U
m & p-Xylene	µg/L	2000.	400.	<0.70 U	<1.4 U	<1.4 U	<0.35 U	<0.022	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.4 U	<2.4 U
Methyl tert-butyl ether	µg/L	60.	12.	<0.40 U	<0.80 U	<0.80 U	<0.20 U	<0.014	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<0.8 U	<0.8 U
Methylene chloride	µg/L	5.	0.5	<0.50 U	6 B	<1.0 U	<0.25 UZ	<0.090	<7.5 U	<7.5 U	<7.5 U	<7.5 U	<1.2 U	<1.2 U
Naphthalene	µg/L	100.	10.	<0.30 U	<0.60 U	<0.60 U	<0.15 U	<0.025	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<1 U	<1 U
n-Butylbenzene	µg/L	--	--	<0.30 U	<0.60 U	<0.60 U	<0.15 U	<0.021	<1.1 U	<1.1 U	<1.1 U	<1.1 U	<1 U	<1 U
n-Propylbenzene	µg/L	--	--	<0.40 U	<0.80 U	<0.80 U	<0.20 U	<0.013	<1.1 U	<1.1 U	<1.1 U	<1.1 U	<1 U	<1 U
o-Xylene	µg/L	2000.	400.	<0.40 U	<0.80 U	<0.80 U	<0.20 U	<0.016	<1.4 U	<1.4 U	<1.4 U	<1.4 U	<1 U	<1 U
p-Isopropyltoluene	µg/L	--	--	<0.40 U	<0.80 U	<0.80 U	<0.20 U	<0.016	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<1.2 U	<1.2 U
sec-Butylbenzene	µg/L	--	--	<0.50 U	<1.0 U	<1.0 U	<0.25 U	<0.012	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1 U	<1 U
Styrene	µg/L	100.	10.	<0.30 U	<0.60 U	<0.60 U	<0.15 U	<0.014	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1 U	<1 U
tert-Butylbenzene	µg/L	--	--	<0.40 U	<0.80 U	<0.80 U	<0.20 U	<0.013	<1.3 U	<1.3 U	<1.3 U	<1.3 U	<1.2 U	<1.2 U
Tetrachloroethene	µg/L	5.	0.05	17.	25.	24.	14.	9.4	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<1.2 U	<1.2 U
Tetrahydrofuran	µg/L	50.	10.	4.4 JB	13 JB	<8.0 U	<2.0 U	<0.38	<35 U	<35 U	<35 U	<35 U	<12 U	<12 U
Toluene	µg/L	800.	160.	<0.40 U	<0.80 U	<0.80 U	<0.20 U	<0.014	2 J	<1.4 U	<1.4 U	<1.4 U	<1.2 U	<1.2 U
trans-1,2-Dichloroethene	µg/L	100.	20.	0.55 J	1.1 J	0.87 J	<0.20 U	0.15	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<1.2 U	<1.2 U
trans-1,3-Dichloropropene	µg/L	0.4	0.04	<0.19 U	<0.38 U	<0.38 U	<0.095 U	<0.020	<0.90 U	<0.90 U	<0.90 U	<0.90 U	<0.28 U	<0.28 U
Trichloroethene	µg/L	5.	0.5	110.	170.	120.	26.	32.	460.	440.	430.	420.	420.	430.
Trichlorofluoromethane	µg/L	--	--	<0.90 U	<1.8 U	<1.8 U	<0.45 U	0.052	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1 U	<1 U
Vinyl acetate	µg/L	--	--	<2.2 U	<4.4 U	<4.4 U	<1.1 U	<0.14	<30 U	<30 U	<30 U	<30 U	<10 U	<10 U
Vinyl chloride	µg/L	0.2	0.02	0.44 J	0.85 J	0.57 J	<0.095 U	0.16	1.1 J	<0.95 U	1.4 J	1.3 J	0.5 J	0.74 J

Table 3. Groundwater Quality Data, Oconomowoc Electroplating Company Inc. (OECl) Superfund Site Monitoring Wells

	Date Sampled:		5/18/2016	5/18/2016	11/2/2016	11/2/2016	5/9/2017	5/9/2017	11/28/2017	11/9/2018	11/9/2018	12/1/2021	12/10/2014	
	Units	NR140 ES	NR140 PAL	MW-103D	MW-103D Dup	MW-103D	MW-103D Dup	MW-103D	MW-103D Dup	MW-103D	MW-103D	MW-103D Dup	MW-103D	MW-105S
Field Parameters														
Dissolved Oxygen (DO)	mg/L	--	--	0.02	0.02	0.00	0.00	0.60	0.60	0.00	0.95	1.03	0.86	0.68
Oxidation Reduction Potential	millivolts	--	--	218	220	4	4	137	137	-14	-27	-24	22.3	-27
pH	pH-units	--	--	6.80	6.80	6.81	6.81	7.24	7.24	6.73	6.95	6.96	7.75	7.46
Specific Conductivity	umhos/cm	--	--	1110	1110	1290	1290	1460	1460	942	1153	1149	1176.8	1430
Temperature	deg-C	--	--	11.46	11.45	6.87	6.88	8.96	8.96	17.41	8.40	8.62	11.78	7.80
Turbidity	ntu	--	--	0.	0.	0.	0.	0.	0.	0.	4.3	8.6	196.22	188.
Natural Attenuation Parameters														
Alkalinity, total (as CaCO ₃)	mg/L	--	--	450.	450.	470.	460.	450.	440.	430.	430.	430.	320.	390.
Chloride (as Cl)	mg/L	250.	125.	180.	180.	160.	170.	170.	170.	270.	200.	210.	240.	440.
Iron, total (unfiltered)	mg/L	--	--	0.0599 J	0.228	0.0831 J	0.133	0.0699 J	0.0487 J	0.0447 J	0.0468 J	0.0487 J	0.184	7.44
Iron, dissolved (filtered)	mg/L	0.3	0.15	<0.010 U	<0.010 U	<0.059 U	<0.059 U	<0.059 U	<0.059 U	<0.059 U	<0.059 U	<0.059 U	0.0591	0.924
Manganese, total (unfiltered)	ug/L	--	--	379.	364.	403.	388.	358.	369.	269.	284.	292.	316.	205.
Manganese, dissolved (filtered)	ug/L	50.	25.	335.	331.	398.	389.	312.	316.	286.	315.	306.	302.	201.
Nitrate Nitrogen, total	mg/L	10.	2.	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.12	NA
Acetylene	ug/L	--	--	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	NA	<0.23 U
Ethane	ug/L	--	--	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.80 U	<0.38
Ethene	ug/L	--	--	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<1.2 U	<1.2 U	<0.59
Methane	ug/L	--	--	13.	12.	7.9	7.8	<0.40 U	0.5 J	3.4	0.61 J	0.69 J	10.	250.
Sulfate(as SO ₄)	mg/L	250.	125.	77.	74.	68.	73.	71.	70.	73.	67.	66.	63.	69.
Total Organic Carbon	mg/L	--	--	5.6	6.7	5.4	5.4	5.5	5.4	3.8	4.5	4.5	4.0	3.3
VOCs														
1,1,1,2-Tetrachloroethane	ug/L	70.	7.	<1.3 U	<0.50 U	<0.80 U	<0.80 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<0.13	<3.0 U
1,1,1-Trichloroethane	ug/L	200.	40.	44.	34.	36.	38.	36.	34.	32.	32.	32.	12.	<3.0 U
1,1,2,2-Tetrachloroethane	ug/L	0.2	0.02	<0.50 U	<0.20 U	<0.34 U	<0.34 U	<0.85 U	<0.85 U	<0.85 U	<0.85 U	<0.85 U	<0.15	<2.0 U
1,1,2-Trichloroethane	ug/L	5.	0.5	<1.3 U	<0.50 U	<1.0 U	<1.0 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<0.36	<7.0 U
1,1-Dichloroethane	ug/L	850.	85.	7.	5.8	5.8	5.6	6.7 J	6.9 J	6.2 J	6.8 J	6.8 J	4.8	93.
1,1-Dichloroethene	ug/L	7.	0.7	2.1 J	1.3 J	1.5 J	1.6 J	<3.0 U	<3.0 U	<3.0 U	<3.0 U	<3.0 U	1.0	14.
1,1-Dichloropropene	ug/L	--	--	<1.5 U	<0.60 U	<1.2 U	<1.2 U	<3.0 U	<3.0 U	<3.0 U	<3.0 U	<3.0 U	<0.74	<8.0 U
1,2,3-Trichlorobenzene	ug/L	--	--	<1.3 U	<0.50 U	<0.80 U	<0.80 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<0.19	4.1 J
1,2,3-Trichloropropane	ug/L	60.	12.	<1.0 U	<0.40 U	<0.80 U	<0.80 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<0.31	<8.0 U
1,2,4-Trichlorobenzene	ug/L	70.	14.	<1.0 U	<0.40 U	<0.80 U	<0.80 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<0.22	<2.9 U
1,2,4-Trimethylbenzene	ug/L	480.	96.	<1.3 U	<0.50 U	<0.80 U	<0.80 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<0.11	<2.4 U
1,2-Dibromo-3-chloropropane	ug/L	0.2	0.02	<0.75 U	<0.30 U	<1.8 U	<1.8 U	<4.5 U	<4.5 U	<4.5 U	<4.5 U	<4.5 U	<1.2	<5.0 U
1,2-Dibromoethane	ug/L	0.05	0.005	<1.0 U	<0.40 U	<1.4 U	<1.4 U	<3.5 U	<3.5 U	<3.5 U	<3.5 U	<3.5 U	<0.29	<4.0 U
1,2-Dichlorobenzene	ug/L	600.	60.	<1.5 U	<0.60 U	<0.80 U	<0.80 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<0.16	<2.5 U
1,2-Dichloroethane	ug/L	5.	0.5	<1.0 U	<0.40 U	<1.0 U	<1.0 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<0.17	<2.4 U
1,2-Dichloropropane	ug/L	5.	0.5	<1.5 U	<0.60 U	<1.4 U	<1.4 U	<3.5 U	<3.5 U	<3.5 U	<3.5 U	<3.5 U	<0.13	<3.0 U
1,3,5-Trimethylbenzene	ug/L	480.	96.	<1.5 U	<0.60 U	<1.0 U	<1.0 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<0.13	<2.2 U
1,3-Dichlorobenzene	ug/L	600.	120.	<1.5 U	<0.60 U	<0.80 U	<0.80 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<0.13	<2.1 U
1,3-Dichloropropane	ug/L	--	--	<1.0 U	<0.40 U	<0.80 U	<0.80 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<0.20	<4.0 U
1,4-Dichlorobenzene	ug/L	75.	15.	<1.3 U	<0.50 U	<0.80 U	<0.80 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<0.17	<2.6 U
1,4-Dioxane	ug/L	3.	0.3	NA	NA	<140 U	<140 U	<350 UM,Y	<350 U	<350 U	<350 U	<350 U	<70	NA
2,2-Dichloropropane	ug/L	--	--	<1.0 U	<0.40 U	<1.0 U	<1.0 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<0.75	<2.2 U
2-Butanone (MEK)	ug/L	4000.	800.	<20 U	<8.0 U	<10 U	<10 U	<25 U	<25 U	<25 U	<25 U	<25 U	<3.1	<80 U
2-Chlorotoluene	ug/L	--	--	<1.5 U	<0.60 U	<0.60 U	<0.60 U	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<0.20	<2.5 U
2-Hexanone	ug/L	--	--	<10 U	<4.0 U	<4.8 U	<4.8 U	<12 U	<12 U	<12 U	<12 U	<12 U	<1.5	<40 U
4-Chlorotoluene	ug/L	--	--	<1.3 U	<0.50 U	<0.80 U	<0.80 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<0.13	<2.9 U
4-Methyl-2-pentanone (MIBK)	ug/L	500.	50.	<10 U	<4.0 U	<4.8 U	<4.8 U	<12 U	<12 U	<12 U	<12 U	<12 U	<1.9	<26 U

Table 3. Groundwater Quality Data, Oconomowoc Electroplating Company Inc. (OECI) Superfund Site Monitoring Wells

	Date Sampled:		5/18/2016	5/18/2016	11/2/2016	11/2/2016	5/9/2017	5/9/2017	11/28/2017	11/9/2018	11/9/2018	12/1/2021	12/10/2014	
	Units	NR140 ES	NR140 PAL	MW-103D	MW-103D Dup	MW-103D	MW-103D Dup	MW-103D	MW-103D Dup	MW-103D	MW-103D	MW-103D Dup	MW-103D	MW-105S
Acetone	µg/L	9000.	1800.	660 B	230 B	<6.0 U	<6.0 U	48 JM,Y,B	58 B	21 JB	22 JB	29 JB	14.	<130 UZ
Benzene	µg/L	5.	0.5	<1.5 U	<0.60 U	<0.36 U	<0.36 U	<0.90 U	<0.90 U	<0.90 U	<0.90 U	<0.90 U	<0.22	<1.9 U
Bromobenzene	µg/L	--	--	<1.0 U	<0.40 U	<0.80 U	<0.80 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<0.18	<3.0 U
Bromochloromethane	µg/L	--	--	<0.43 U	<0.17 U	<0.60 U	<0.60 U	<1.5 U	<1.5 U	<1.5 UQ	<1.5 U	<1.5 U	<0.34	<9.0 U
Bromodichloromethane	µg/L	0.6	0.06	<0.43 U	<0.17 U	<0.32 U	<0.32 U	<0.80 U	<0.80 U	<0.80 U	<0.80 U	<0.80 U	<0.19	<1.8 U
Bromoform	µg/L	4.4	0.44	<0.45 U	<0.18 U	<0.80 UZ	<0.80 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<0.41	<6.0 U
Bromomethane	µg/L	10.	1.	<2.3 U	<0.90 U	<1.6 UZ	<1.6 UZ	<4.0 U	<4.0 U	<4.0 UZ	<4.0 U	<4.0 U	<0.52	<7.0 UZ
Carbon disulfide	µg/L	1000.	200.	<2.8 U	<1.1 U	<1.4 U	<1.4 U	<3.5 UM,Y	<3.5 U	<3.5 U	<3.5 U	<3.5 U	<1.1	<8.0 U
Carbon tetrachloride	µg/L	5.	0.05	<1.5 U	<0.60 U	<1.0 U	<1.0 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<0.18	<2.9 U
Chlorobenzene	µg/L	--	--	<1.0 U	<0.40 U	<0.80 U	<0.80 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<0.13	6.7 J
Chloroethane	µg/L	400.	80.	<1.5 U	<0.60 U	<1.4 U	<1.4 U	<3.5 U	<3.5 U	<3.5 U	<3.5 U	<3.5 U	<4.0	<4.0 U
Chloroform	µg/L	6.	0.6	<1.5 U	<0.60 U	<0.60 U	<0.60 U	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<0.16	<3.0 U
Chloromethane	µg/L	30.	3.	<1.3 U	<0.50 U	<0.80 U	<0.80 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<0.45	<4.0 U
cis-1,2-Dichloroethene	µg/L	70.	7.	43.	33.	43.	43.	49.	47.	52.	64.	63.	95.	1000.
cis-1,3-Dichloropropene	µg/L	0.4	0.04	<0.38 U	<0.15 U	<0.22 U	<0.22 U	<0.55 U	<0.55 U	<0.55 U	<0.55 U	<0.55 U	<0.14	<2.0 U
Dibromochloromethane	µg/L	60.	6.	<0.40 U	<0.16 U	<0.60 U	<0.60 U	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<0.16	<4.0 U
Dibromomethane	µg/L	--	--	<1.5 U	<0.60 U	<1.0 U	<1.0 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<0.18	<4.0 U
Dichlorodifluoromethane	µg/L	1000.	200.	<1.5 U	<0.60 U	<1.2 U	<1.2 U	<3.0 U	<3.0 U	<3.0 U	<3.0 U	<3.0 U	<0.91	<11 U
Diisopropyl ether	µg/L	--	--	<1.0 U	<0.40 U	<0.80 U	<0.80 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<0.2	<2.1 U
Ethylbenzene	µg/L	700.	140.	<1.5 U	<0.60 U	<0.80 U	<0.80 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<0.14	<1.9 U
Hexachlorobutadiene	µg/L	--	--	<1.8 U	<0.70 U	<1.0 U	<1.0 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<0.27	<7.0 U
Isopropylbenzene	µg/L	--	--	<1.3 U	<0.50 U	<0.80 U	<0.80 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<0.14	<6.0 U
m & p-Xylene	µg/L	2000.	400.	<3.0 U	<1.2 U	<1.4 U	<1.4 U	<3.5 U	<3.5 U	<3.5 U	<3.5 U	<3.5 U	<0.22	<5.0 U
Methyl tert-butyl ether	µg/L	60.	12.	<1.0 U	<0.40 U	<0.80 U	<0.80 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<0.14	<4.0 U
Methylene chloride	µg/L	5.	0.5	<1.5 U	<0.60 U	<1.0 U	<1.0 U	14 Y	16.	<2.5 U	<2.5 U	<2.5 U	7.0	<15 U
Naphthalene	µg/L	100.	10.	<1.3 U	<0.50 U	<0.60 U	<0.60 U	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<0.25	<4.0 U
n-Butylbenzene	µg/L	--	--	<1.3 U	<0.50 U	<0.60 U	<0.60 U	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<0.21	<2.1 U
n-Propylbenzene	µg/L	--	--	<1.3 U	<0.50 U	<0.80 U	<0.80 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<0.13	<2.2 U
o-Xylene	µg/L	2000.	400.	<1.3 U	<0.50 U	<0.80 U	<0.80 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<0.16	<2.7 U
p-Isopropyltoluene	µg/L	--	--	<1.5 U	<0.60 U	<0.80 U	<0.80 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<0.16	<3.0 U
sec-Butylbenzene	µg/L	--	--	<1.3 U	<0.50 U	<1.0 U	<1.0 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<0.12	<2.4 U
Styrene	µg/L	100.	10.	<1.3 U	<0.50 U	<0.60 U	<0.60 U	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<0.14	<2.0 U
tert-Butylbenzene	µg/L	--	--	<1.5 U	<0.60 U	<0.80 U	<0.80 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<0.13	<2.5 U
Tetrachloroethene	µg/L	5.	0.05	<1.5 U	<0.60 U	<1.0 U	<1.0 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<0.28	<3.0 U
Tetrahydrofuran	µg/L	50.	10.	<15 U	<6.0 U	8.2 JB	<8.0 U	<20 U	<20 U	<20 U	<20 U	<20 U	<3.8	<7.0 U
Toluene	µg/L	800.	160.	<1.5 U	<0.60 U	<0.80 U	<0.80 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<0.14	<2.7 U
trans-1,2-Dichloroethene	µg/L	100.	20.	<1.5 U	<0.60 U	0.95 J	<0.80 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	0.73	280.
trans-1,3-Dichloropropene	µg/L	0.4	0.04	<0.35 U	<0.14 U	<0.38 U	<0.38 U	<0.95 U	<0.95 U	<0.95 U	<0.95 U	<0.95 U	<0.20	<1.8 U
Trichloroethene	µg/L	5.	0.5	390.	340.	360.	360.	380.	360.	340.	320.	310.	120.	2900.
Trichlorofluoromethane	µg/L	--	--	<1.3 U	<0.50 U	<1.8 U	<1.8 U	<4.5 U	<4.5 U	<4.5 U	<4.5 U	<4.5 U	<0.33	<2.4 U
Vinyl acetate	µg/L	--	--	<13 U	<5.0 U	<4.4 U	<4.4 U	<11 U	<11 U	<11 U	<11 U	<11 U	<1.4	<60 U
Vinyl chloride	µg/L	0.2	0.02	<0.40 U	0.50 J	<0.38 U	<0.38 U	1.5 J	1.2 J	<0.95 U	<0.95 U	<0.95 U	0.27	13.

Table 3. Groundwater Quality Data, Oconomowoc Electroplating Company Inc. (OECI) Superfund Site Monitoring Wells

	Date Sampled:													
	Units	NR140 ES	NR140 PAL	MW-105S Dup	MW-105S	MW-105S Dup	MW-105S	MW-105S DUP	MW-105S	MW-105S Dup	MW-105S	MW-105S Dup	MW-105S	MW-105S Dup
Field Parameters														
Dissolved Oxygen (DO)	mg/L	--	--	10.42	0.00	0.00	0.37	0.37	0.00	0.00	0.00	0.00	0.00	0.00
Oxidation Reduction Potential	millivolts	--	--	-46	-55	-55	-48	-47	-17	-17	-67	-66	-50	-50
pH	pH-units	--	--	7.51	7.20	7.20	7.24	7.24	7.04	7.04	7.03	7.02	7.22	7.22
Specific Conductivity	umhos/cm	--	--	1750	2360	2360	1910	1910	1530	1520	1760	1770	944	944
Temperature	deg-C	--	--	6.52	8.39	8.39	20.20	20.15	12.88	12.86	9.00	9.00	9.00	9.00
Turbidity	ntu	--	--	101.	22.8	22.8	9.3	9.5	13.4	13.9	0.	0.	0.	0.
Natural Attenuation Parameters														
Alkalinity, total (as CaCO ₃)	mg/L	--	--	390.	380.	380.	400.	410.	410.	410.	420.	420.	430.	430.
Chloride (as Cl)	mg/L	250.	125.	330.	510.	420.	400.	410.	320.	250.	360.	360.	200.	200.
Iron, total (unfiltered)	mg/L	--	--	3.53	2.41	2.45	2.27	2.27	2.27	2.34	3.41	4.71	3.28	3.22
Iron, dissolved (filtered)	mg/L	0.3	0.15	0.634	1.71	1.69	1.07	1.06	2.84 M	1.51	1.54	1.55	1.45	1.46
Manganese, total (unfiltered)	µg/L	--	--	217.	218.	212.	254.	257.	174.	169.	221.	222.	166.	165.
Manganese, dissolved (filtered)	µg/L	50.	25.	178.	219.	215.	204.	205.	175.	172.	234.	234.	163.	163.
Nitrate Nitrogen, total	mg/L	10.	2.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetylene	µg/L	--	--	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U
Ethane	µg/L	--	--	4.	2.3	2.3	2.4 J	2.5 J	2.3	2.3	0.6 J	1.3	<0.40 U	<0.40 U
Ethene	µg/L	--	--	5.4	1.5 J	1.6 J	<1.2 U	<1.2 U	0.67 J	0.68 J	<0.50 U	<0.50 U	<0.50 U	<0.50 U
Methane	µg/L	--	--	330.	140.	140.	310.	330.	240.	230.	21.	41.	9.7	15.
Sulfate(as SO ₄)	mg/L	250.	125.	57.	56.	55.	56.	56.	56.	57.	48.	48.	52.	53.
Total Organic Carbon	mg/L	--	--	16.	2.1	2.6	2.4	2.4	3.	3.8	2.8	2.8	3.1	4.
VOCs														
1,1,1,2-Tetrachloroethane	µg/L	70.	7.	16 J	<6.0 U	<6.0 U	<2.5 U	<2.5 U	<5.0 U	<5.0 U	<4.0 U	<4.0 U	<8.0 U	<8.0 U
1,1,1-Trichloroethane	µg/L	200.	40.	<15 U	<6.0 U	<6.0 U	<3 U	<3 U	<6.0 U	<6.0 U	<5.0 U	<5.0 U	<10 U	<10 U
1,1,2,2-Tetrachloroethane	µg/L	0.2	0.02	<10 U	<4.0 U	<4.0 U	<1 U	<1 U	<2.0 U	<2.0 U	<1.7 U	<1.7 U	<3.4 U	<3.4 U
1,1,2-Trichloroethane	µg/L	5.	0.5	<35 U	<14 U	<14 U	<2.5 U	<2.5 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<10 U	<10 U
1,1-Dichloroethane	µg/L	850.	85.	90.	73.	71.	48.	45.	87.	78.	56.	61.	110.	110.
1,1-Dichloroethene	µg/L	7.	0.7	<12 U	11 J	11 J	7.6 J	8.7 J	12 J	13 J	10 J	11 J	20 J	17 J
1,1-Dichloropropene	µg/L	--	--	<40 U	<16 U	<16 U	<3 U	<3 U	<6.0 U	<6.0 U	<6.0 U	<6.0 U	<12 U	<12 U
1,2,3-Trichlorobenzene	µg/L	--	--	110.	<8.0 U	<8.0 U	<2.5 U	<2.5 U	<5.0 U	<5.0 U	<4.0 U	<4.0 U	<8.0 U	<8.0 U
1,2,3-Trichloropropane	µg/L	60.	12.	<40 U	<16 U	<16 U	<2 U	<2 U	<4.0 U	<4.0 U	<4.0 U	<4.0 U	<8.0 U	<8.0 U
1,2,4-Trichlorobenzene	µg/L	70.	14.	100.	<5.8 U	<5.8 U	<2 U	<2 U	<4.0 U	<4.0 U	<4.0 U	<4.0 U	<8.0 U	<8.0 U
1,2,4-Trimethylbenzene	µg/L	480.	96.	45.	<4.8 U	<4.8 U	<2.5 U	<2.5 U	<5.0 U	<5.0 U	<4.0 U	<4.0 U	<8.0 U	<8.0 U
1,2-Dibromo-3-chloropropane	µg/L	0.2	0.02	<25 U	<10 U	<10 U	<1.5 U	<1.5 U	<3.0 U	<3.0 U	<9.0 U	<9.0 U	<18 U	<18 U
1,2-Dibromoethane	µg/L	0.05	0.005	<20 U	<8.0 U	<8.0 U	<2 U	<2 U	<4.0 U	<4.0 U	<7.0 U	<7.0 U	<14 U	<14 U
1,2-Dichlorobenzene	µg/L	600.	60.	56.	<5.0 U	<5.0 U	<3 U	<3 U	<6.0 U	<6.0 U	<4.0 U	<4.0 U	<8.0 U	<8.0 U
1,2-Dichloroethane	µg/L	5.	0.5	<12 U	<4.8 U	<4.8 U	<2 U	<2 U	<4.0 U	<4.0 U	<5.0 U	<5.0 U	<10 U	<10 U
1,2-Dichloropropane	µg/L	5.	0.5	<15 U	<6.0 U	<6.0 U	<3 U	<3 U	<6.0 U	<6.0 U	<7.0 U	<7.0 U	<14 U	<14 U
1,3,5-Trimethylbenzene	µg/L	480.	96.	51.	<4.4 U	<4.4 U	<3 U	<3 U	<6.0 U	<6.0 U	<5.0 U	<5.0 U	<10 U	<10 U
1,3-Dichlorobenzene	µg/L	600.	120.	54.	<4.2 U	<4.2 U	<3 U	<3 U	<6.0 U	<6.0 U	<4.0 U	<4.0 U	<8.0 U	<8.0 U
1,3-Dichloropropane	µg/L	--	--	<20 U	<8.0 U	<8.0 U	<2 U	<2 U	<4.0 U	<4.0 U	<4.0 U	<4.0 U	<8.0 U	<8.0 U
1,4-Dichlorobenzene	µg/L	75.	15.	<13 U	<5.2 U	<5.2 U	<2.5 U	<2.5 U	<5.0 U	<5.0 U	<4.0 U	<4.0 U	<8.0 U	<8.0 U
1,4-Dioxane	µg/L	3.	0.3	NA	NA	NA	NA	NA	NA	NA	<700 U	<700 U	<1400 U	<1400 U
2,2-Dichloropropane	µg/L	--	--	<11 U	<4.4 U	<4.4 U	<2 U	<2 U	<4.0 U	<4.0 U	<5.0 U	<5.0 U	<10 U	<10 U
2-Butanone (MEK)	µg/L	4000.	800.	<400 U	<160 U	<160 U	<40 U	<40 U	<80 U	<80 U	<50 U	<50 U	<100 U	<100 U
2-Chlorotoluene	µg/L	--	--	45.	<5.0 U	<5.0 U	<3 U	<3 U	<6.0 U	<6.0 U	<3.0 U	<3.0 U	<6.0 U	<6.0 U
2-Hexanone	µg/L	--	--	<200 U	<80 U	<80 U	<20 U	<20 U	<40 U	<40 U	<24 U	<24 U	<48 U	<48 U
4-Chlorotoluene	µg/L	--	--	41 J	<5.8 U	<5.8 U	<2.5 U	<2.5 U	<5.0 U	<5.0 U	<4.0 U	<4.0 U	<8.0 U	<8.0 U
4-Methyl-2-pentanone (MIBK)	µg/L	500.	50.	<130 U	<52 U	<52 U	<20 U	<20 U	<40 U	<40 U	<24 U	<24 U	<48 U	<48 U

Table 3. Groundwater Quality Data, Oconomowoc Electroplating Company Inc. (OECI) Superfund Site Monitoring Wells

	Date Sampled:													
	Units	NR140 ES	NR140 PAL	MW-105S Dup	MW-105S	MW-105S Dup	MW-105S	MW-105S DUP	MW-105S	MW-105S Dup	MW-105S	MW-105S Dup	MW-105S	MW-105S Dup
Acetone	µg/L	9000.	1800.	<650 UZ	<260 UZ	<260 UZ	<45 U	<45 U	2900 B	3100 B	44 JB	46 JB	200 B	180 JB
Benzene	µg/L	5.	0.5	<9.5 U	<3.8 U	<3.8 U	<3 U	<3 U	<6.0 U	<6.0 U	<1.8 U	<1.8 U	<3.6 U	<3.6 U
Bromobenzene	µg/L	--	--	33 J	<6.0 U	<6.0 U	<2 U	<2 U	<4.0 U	<4.0 U	<4.0 U	<4.0 U	<8.0 U	<8.0 U
Bromochloromethane	µg/L	--	--	<45 U	<18 U	<18 U	<0.85 U	<0.85 U	<1.7 U	<1.7 U	<3.0 U	<3.0 U	<6.0 U	<6.0 U
Bromodichloromethane	µg/L	0.6	0.06	<9.0 U	<3.6 U	<3.6 U	<0.85 U	<0.85 U	<1.7 U	<1.7 U	<1.6 U	<1.6 U	<3.2 U	<3.2 U
Bromoform	µg/L	4.4	0.44	<30 U	<12 U	<12 U	<0.9 U	<0.9 U	<1.8 U	<1.8 U	<4.0 U	<4.0 U	<8.0 U	<8.0 U
Bromomethane	µg/L	10.	1.	<35 UZ	<14 U	<14 U	<4.5 U	<4.5 U	<9.0 U	<9.0 U	<8.0 UZ	<8.0 UZ	<16 UZ	<16 UZ
Carbon disulfide	µg/L	1000.	200.	<40 U	<16 U	<16 U	<5.5 U	<5.5 U	<11 U	<11 U	<7.0 U	<7.0 U	<14 U	<14 U
Carbon tetrachloride	µg/L	5.	0.05	<15 U	<5.8 U	<5.8 U	<3 U	<3 U	<6.0 U	<6.0 U	<5.0 U	<5.0 U	<10 U	<10 U
Chlorobenzene	µg/L	--	--	25 J	<4.8 U	<4.8 U	3.7 J	3 J	<4.0 U	<4.0 U	<4.0 U	<4.0 U	<8.0 U	<8.0 U
Chloroethane	µg/L	400.	80.	<20 U	<8.0 U	<8.0 U	<3 U	<3 U	<6.0 U	<6.0 U	<7.0 U	<7.0 U	<14 U	<14 U
Chloroform	µg/L	6.	0.6	<15 U	<6.0 U	<6.0 U	<3 U	<3 U	<6.0 U	<6.0 U	<3.0 U	<3.0 U	<6.0 U	<6.0 U
Chloromethane	µg/L	30.	3.	<20 U	<8.0 U	<8.0 U	<2.5 U	<2.5 U	<5.0 U	<5.0 U	<4.0 U	<4.0 U	<8.0 U	<8.0 U
cis-1,2-Dichloroethene	µg/L	70.	7.	1000.	960.	950.	710.	680.	980.	920.	990.	1000.	2000.	2100.
cis-1,3-Dichloropropene	µg/L	0.4	0.04	<10 U	<4.0 U	<4.0 U	<0.75 U	<0.75 U	<1.5 U	<1.5 U	<1.1 U	<1.1 U	<2.2 U	<2.2 U
Dibromochloromethane	µg/L	60.	6.	<20 U	<8.0 U	<8.0 U	<0.8 U	<0.8 U	<1.6 U	<1.6 U	<3.0 U	<3.0 U	<6.0 U	<6.0 U
Dibromomethane	µg/L	--	--	<20 U	<8.0 U	<8.0 U	<3 U	<3 U	<6.0 U	<6.0 U	<5.0 U	<5.0 U	<10 U	<10 U
Dichlorodifluoromethane	µg/L	1000.	200.	<55 U	<22 U	<22 U	<3 U	<3 U	<6.0 U	<6.0 U	<6.0 U	<6.0 U	<12 U	<12 U
Diisopropyl ether	µg/L	--	--	<11 U	<4.2 U	<4.2 U	<2 U	<2 U	<4.0 U	<4.0 U	<4.0 U	<4.0 U	<8.0 U	<8.0 U
Ethylbenzene	µg/L	700.	140.	26 J	<3.8 U	<3.8 U	<3 U	<3 U	<6.0 U	<6.0 U	<4.0 U	<4.0 U	<8.0 U	<8.0 U
Hexachlorobutadiene	µg/L	--	--	71 J	<14 U	<14 U	<3.5 U	<3.5 U	<7.0 U	<7.0 U	<5.0 U	<5.0 U	<10 U	<10 U
Isopropylbenzene	µg/L	--	--	41 J	<12 U	<12 U	<2.5 U	<2.5 U	<5.0 U	<5.0 U	<4.0 U	<4.0 U	<8.0 U	<8.0 U
m & p-Xylene	µg/L	2000.	400.	46 J	<10 U	<10 U	<6 U	<6 U	<12 U	<12 U	<7.0 U	<7.0 U	<14 U	<14 U
Methyl tert-butyl ether	µg/L	60.	12.	<20 U	<8.0 U	<8.0 U	<2 U	<2 U	<4.0 U	<4.0 U	<4.0 U	<4.0 U	<8.0 U	<8.0 U
Methylene chloride	µg/L	5.	0.5	<75 U	<30 U	<30 U	<3 U	<3 U	170.	140.	<5.0 U	<5.0 U	16 JB	13 JB
Naphthalene	µg/L	100.	10.	61 J	<8.0 U	<8.0 U	<2.5 U	<2.5 U	<5.0 U	<5.0 U	<3.0 U	<3.0 U	<6.0 U	<6.0 U
n-Butylbenzene	µg/L	--	--	92.	<4.2 U	<4.2 U	<2.5 U	<2.5 U	<5.0 U	<5.0 U	<3.0 U	<3.0 U	<6.0 U	<6.0 U
n-Propylbenzene	µg/L	--	--	53.	<4.4 U	<4.4 U	<2.5 U	<2.5 U	<5.0 U	<5.0 U	<4.0 U	<4.0 U	<8.0 U	<8.0 U
o-Xylene	µg/L	2000.	400.	21 J	<5.4 U	<5.4 U	<2.5 U	<2.5 U	<5.0 U	<5.0 U	<4.0 U	<4.0 U	<8.0 U	<8.0 U
p-Isopropyltoluene	µg/L	--	--	64.	<6.0 U	<6.0 U	<3 U	<3 U	<6.0 U	<6.0 U	<4.0 U	<4.0 U	<8.0 U	<8.0 U
sec-Butylbenzene	µg/L	--	--	71.	<4.8 U	<4.8 U	<2.5 U	<2.5 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<10 U	<10 U
Styrene	µg/L	100.	10.	17 J	<4.0 U	<4.0 U	<2.5 U	<2.5 U	<5.0 U	<5.0 U	<3.0 U	<3.0 U	<6.0 U	<6.0 U
tert-Butylbenzene	µg/L	--	--	62.	<5.0 U	<5.0 U	<3 U	<3 U	<6.0 U	<6.0 U	<4.0 U	<4.0 U	<8.0 U	<8.0 U
Tetrachloroethene	µg/L	5.	0.05	28 J	<6.0 U	<6.0 U	<3 U	<3 U	<6.0 U	<6.0 U	<5.0 U	<5.0 U	<10 U	<10 U
Tetrahydrofuran	µg/L	50.	10.	<350 U	<140 U	<140 U	<30 U	<30 U	<60 U	<60 U	51 JB	<40 U	150 JB	150 JB
Toluene	µg/L	800.	160.	<14 U	<5.4 U	<5.4 U	<3 U	<3 U	<6.0 U	<6.0 U	<4.0 U	<4.0 U	<8.0 U	<8.0 U
trans-1,2-Dichloroethene	µg/L	100.	20.	260.	230.	240.	110.	110.	160.	140.	100.	120.	220.	240.
trans-1,3-Dichloropropene	µg/L	0.4	0.04	<9.0 U	<3.6 U	<3.6 U	<0.7 U	<0.7 U	<1.4 U	<1.4 U	<1.9 U	<1.9 U	<3.8 U	<3.8 U
Trichloroethene	µg/L	5.	0.5	2800.	2100.	2100.	1300.	1200.	1200.	1100.	950.	1000.	1200.	1200.
Trichlorofluoromethane	µg/L	--	--	<12 U	<4.8 U	<4.8 U	<2.5 U	<2.5 U	<5.0 U	<5.0 U	<9.0 U	<9.0 U	<18 U	<18 U
Vinyl acetate	µg/L	--	--	<300 U	<120 U	<120 U	<25 U	<25 U	<50 U	<50 U	<22 U	<22 U	<44 U	<44 U
Vinyl chloride	µg/L	0.2	0.02	23 J	9.5 J	9.8 J	6.6	5.6	6.4	3.0 J	4.1 J	5.2 J	7.9 J	6.1 J

Table 3. Groundwater Quality Data, Oconomowoc Electroplating Company Inc. (OECI) Superfund Site Monitoring Wells

	Date Sampled:													
	Units	NR140 ES	NR140 PAL	11/28/2017 MW-105S	11/28/2017 MW-105S Dup	11/7/2018 MW-105S	12/2/2021 MW-105S	12/10/2014 MW-105D	5/5/2015 MW-105D	11/03/2015 MW-105D	5/11/2016 MW-105D	11/1/2016 MW-105D	5/10/2017 MW-105D	11/28/2017 MW-105D
Field Parameters														
Dissolved Oxygen (DO)	mg/L	--	--	0.00	0.00	0.56	1.51	0.43	0.00	0.29	0.00	1.14	0.68	0.00
Oxidation Reduction Potential	millivolts	--	--	-43	-43	-63	24.3	-83	-69	-67	-53	-82	-63	-96
pH	pH-units	--	--	6.74	6.74	6.96	7.47	7.65	7.30	7.46	7.16	7.31	7.29	7.04
Specific Conductivity	umhos/cm	--	--	1420	1420	2130	3367.4	1050	1420	1120	1400	1050	1170	893
Temperature	deg-C	--	--	17.04	17.04	11.03	10.18	7.88	8.53	15.53	12.41	6.90	10.59	16.28
Turbidity	ntu	--	--	0.	0.	43.4	206.71	0.	7.3	5.9	48.1	0.	0.	0.
Natural Attenuation Parameters														
Alkalinity, total (as CaCO ₃)	mg/L	--	--	440.	440.	430.	370.	390.	390.	390.	420.	430.	430.	450.
Chloride (as Cl)	mg/L	250.	125.	410.	420.	610 M	910.	440.	190.	190.	210.	190.	190.	210.
Iron, total (unfiltered)	mg/L	--	--	9.98	9.51	2 M	6.54	7.44	1.78	1.52	3.68	3.04	3.02	2.23
Iron, dissolved (filtered)	mg/L	0.3	0.15	1.13	1.16	2.02	2.15	0.924	1.77	1.36	1.81	1.33	1.46	1.79
Manganese, total (unfiltered)	µg/L	--	--	196.	221.	225.	402.	205.	58.8	65.6	55.4	56.8	49.6	57.9
Manganese, dissolved (filtered)	µg/L	50.	25.	206.	209.	249.	351.	201.	66.9	51.	53.3	57.7	46.5	59.
Nitrate Nitrogen, total	mg/L	10.	2.	NA	NA	NA	<0.12	NA	NA	NA	NA	NA	NA	NA
Acetylene	µg/L	--	--	<0.23 U	<0.23 U	<0.23 U	NA	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U
Ethane	µg/L	--	--	1.2	0.82 J	<0.80 U	<0.38	<0.60 U	<0.60 U	<0.9 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U
Ethene	µg/L	--	--	<0.50 U	<0.50 U	<1.2 U	<0.59	<0.90 U	<0.90 U	<1.2 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U
Methane	µg/L	--	--	150.	130.	39 M	110.	250.	59.	150.	92.	58.	13.	13.
Sulfate(as SO ₄)	mg/L	250.	125.	88.	93.	45.	56.	69.	57.	58.	61.	51.	52.	68.
Total Organic Carbon	mg/L	--	--	3.4	2.9	2.2	4.1	3.3	2.	1.3 J	3.8	2.4	2.7	1.5 J
VOCs														
1,1,1,2-Tetrachloroethane	µg/L	70.	7.	<8.0 U	<8.0 U	<8.0 U	<0.26	<0.030 U	<0.30 U	<0.5 U	<0.25 U	<0.20 U	<0.20 U	<0.20 U
1,1,1-Trichloroethane	µg/L	200.	40.	<10 U	<10 U	<10 U	<0.26	<0.030 U	<0.30 U	<0.6 U	<0.30 U	<0.25 U	<0.25 U	<0.25 U
1,1,2,2-Tetrachloroethane	µg/L	0.2	0.02	<3.4 U	<3.4 U	<3.4 U	<0.30	<0.020 U	<0.20 U	<0.2 U	<0.10 U	<0.085 U	<0.085 U	<0.085 U
1,1,2-Trichloroethane	µg/L	5.	0.5	<10 U	<10 U	<10 U	<0.72	<0.070 U	<0.70 U	<0.5 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
1,1-Dichloroethane	µg/L	850.	85.	66.	74.	68.	1.9	11.	6.2	77.	5.8	5.1	6.4	5.6
1,1-Dichloroethene	µg/L	7.	0.7	13 J	14 J	14 J	0.92	1.6	1.1	6.9	1.1 J	1.1 J	1.6	1.3
1,1-Dichloropropene	µg/L	--	--	<12 U	<12 U	<12 U	<1.5	<0.080 U	<0.80 U	<0.6 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U
1,2,3-Trichlorobenzene	µg/L	--	--	<8.0 U	<8.0 U	<8.0 U	<0.38	<0.040 U	<0.40 U	<0.5 U	<0.25 U	<0.20 U	<0.20 U	<0.20 U
1,2,3-Trichloropropane	µg/L	60.	12.	<8.0 U	<8.0 U	<8.0 U	<0.62	<0.080 U	<0.80 U	<0.4 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U
1,2,4-Trichlorobenzene	µg/L	70.	14.	<8.0 U	<8.0 U	<8.0 U	<0.44	<0.029 U	<0.29 U	<0.4 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U
1,2,4-Trimethylbenzene	µg/L	480.	96.	<8.0 U	<8.0 U	<8.0 U	<0.22	<0.024 U	<0.24 U	<0.5 U	<0.25 U	<0.20 U	<0.20 U	<0.20 U
1,2-Dibromo-3-chloropropane	µg/L	0.2	0.02	<18 U	<18 U	<18 U	<2.4	<0.050 U	<0.50 U	<0.3 U	<0.15 U	<0.45 U	<0.45 U	<0.45 U
1,2-Dibromoethane	µg/L	0.05	0.005	<14 U	<14 U	<14 U	<0.58	<0.040 U	<0.40 U	<0.4 U	<0.20 U	<0.35 U	<0.35 U	<0.35 U
1,2-Dichlorobenzene	µg/L	600.	60.	<8.0 U	<8.0 U	<8.0 U	<0.32	<0.025 U	<0.25 U	<0.6 U	<0.30 U	<0.20 U	<0.20 U	<0.20 U
1,2-Dichloroethane	µg/L	5.	0.5	<10 U	<10 U	<10 U	<0.34	0.16	<0.24 U	0.93 J	<0.20 U	<0.25 U	<0.25 U	<0.25 U
1,2-Dichloropropane	µg/L	5.	0.5	<14 U	<14 U	<14 U	<0.26	<0.030 U	<0.30 U	<0.6 U	<0.30 U	<0.35 U	<0.35 U	<0.35 U
1,3,5-Trimethylbenzene	µg/L	480.	96.	<10 U	<10 U	<10 U	<0.26	<0.022 U	<0.22 U	<0.6 U	<0.30 U	<0.25 U	<0.25 U	<0.25 U
1,3-Dichlorobenzene	µg/L	600.	120.	<8.0 U	<8.0 U	<8.0 U	<0.26	<0.021 U	<0.21 U	<0.6 U	<0.30 U	<0.20 U	<0.20 U	<0.20 U
1,3-Dichloropropane	µg/L	--	--	<8.0 U	<8.0 U	<8.0 U	<0.40	<0.040 U	<0.40 U	<0.4 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U
1,4-Dichlorobenzene	µg/L	75.	15.	<8.0 U	<8.0 U	<8.0 U	<0.34	<0.026 U	<0.26 U	<0.5 U	<0.25 U	<0.20 U	<0.20 U	<0.20 U
1,4-Dioxane	µg/L	3.	0.3	<1400 U	<1400 U	<1400 U	<140	NA	NA	NA	NA	<35 U	<35 U	<35 U
2,2-Dichloropropane	µg/L	--	--	<10 U	<10 U	<10 U	<1.5	<0.022 U	<0.22 U	<0.4 U	<0.20 U	<0.25 U	<0.25 U	<0.25 U
2-Butanone (MEK)	µg/L	4000.	800.	<100 U	<100 U	<100 U	<6.2	<0.80 U	<8.0 U	<8 U	<4.0 U	<2.5 U	<2.5 U	<2.5 U
2-Chlorotoluene	µg/L	--	--	<6.0 U	<6.0 U	<6.0 U	<0.40	<0.025 U	<0.25 U	<0.6 U	<0.30 U	<0.15 U	<0.15 U	<0.15 U
2-Hexanone	µg/L	--	--	<48 U	<48 U	<48 U	<3.0	<0.40 U	<4.0 U	<4 U	<2.0 U	<1.2 U	<1.2 U	<1.2 U
4-Chlorotoluene	µg/L	--	--	<8.0 U	<8.0 U	<8.0 U	<0.26	<0.029 U	<0.29 U	<0.5 U	<0.25 U	<0.20 U	<0.20 U	<0.20 U
4-Methyl-2-pentanone (MIBK)	µg/L	500.	50.	<48 U	<48 U	<48 U	<3.8	<0.26 U	<2.6 U	<4 U	<2.0 U	<1.2 U	<1.2 U	<1.2 U

Table 3. Groundwater Quality Data, Oconomowoc Electroplating Company Inc. (OECI) Superfund Site Monitoring Wells

	Date Sampled:			11/28/2017	11/28/2017	11/7/2018	12/2/2021	12/10/2014	5/5/2015	11/03/2015	5/11/2016	11/1/2016	5/10/2017	11/28/2017
	Units	NR140 ES	NR140 PAL	MW-105S	MW-105S Dup	MW-105S	MW-105S	MW-105D	MW-105D	MW-105D	MW-105D	MW-105D	MW-105D	MW-105D
Acetone	µg/L	9000.	1800.	92 JB	73 JB	93 JB	37.	<1.3 UZ	<13 UZ	<9 U	110 B	<1.5 U	5.2 B	4.9 JB
Benzene	µg/L	5.	0.5	<3.6 U	<3.6 U	<3.6 U	<0.44	<0.019 U	<0.19 U	<0.6 U	<0.30 U	<0.090 U	<0.090 U	<0.090 U
Bromobenzene	µg/L	--	--	<8.0 U	<8.0 U	<8.0 U	<0.36	<0.030 U	<0.30 U	<0.4 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U
Bromochloromethane	µg/L	--	--	<6.0 UQ	<6.0 UQ	<6.0 U	<0.68	<0.090 U	<0.90 U	<0.17 U	<0.085 U	<0.15 U	<0.15 U	<0.15 UQ
Bromodichloromethane	µg/L	0.6	0.06	<3.2 U	<3.2 U	<3.2 U	<0.38	<0.018 U	<0.18 U	<0.17 U	<0.085 U	<0.080 U	<0.080 U	<0.080 U
Bromoform	µg/L	4.4	0.44	<8.0 U	<8.0 U	<8.0 U	<0.82	<0.060 U	<0.60 U	<0.18 U	<0.090 U	<0.20 U	<0.20 U	<0.20 U
Bromomethane	µg/L	10.	1.	<16 UZ	<16 UZ	<16 U	<1.0	<0.070 UZ	<0.70 U	<0.9 U	<0.45 U	<0.40 UZ	<0.40 U	<0.40 UZ
Carbon disulfide	µg/L	1000.	200.	<14 U	<14 U	<14 U	<2.2	<0.080 U	<0.80 U	<1.1 U	<0.55 U	<0.35 U	<0.35 U	<0.35 U
Carbon tetrachloride	µg/L	5.	0.05	<10 U	<10 U	<10 U	<0.36	<0.029 U	<0.29 U	<0.6 U	<0.30 U	<0.25 U	<0.25 U	<0.25 U
Chlorobenzene	µg/L	--	--	<8.0 U	<8.0 U	<8.0 U	<0.26	<0.024 U	<0.24 U	<0.4 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U
Chloroethane	µg/L	400.	80.	<14 U	<14 U	<14 U	<8.0	<0.040 U	<0.40 U	1.3 J	<0.30 U	<0.35 U	<0.35 U	<0.35 U
Chloroform	µg/L	6.	0.6	<6.0 U	9.7 J	<6.0 U	<0.32	<0.030 U	<0.30 U	<0.6 U	<0.30 U	<0.15 U	<0.15 U	<0.15 U
Chloromethane	µg/L	30.	3.	<8.0 U	<8.0 U	<8.0 U	<0.90	0.061 JB	<0.40 U	<0.5 U	<0.25 U	<0.20 U	0.25 JB	<0.20 U
cis-1,2-Dichloroethene	µg/L	70.	7.	1300.	1400.	1000.	360.	110.	69.	510.	63.	55.	68.	71.
cis-1,3-Dichloropropene	µg/L	0.4	0.04	<2.2 U	<2.2 U	<2.2 U	<0.28	<0.020 U	<0.20 U	<0.15 U	<0.075 U	<0.055 U	<0.055 U	<0.055 U
Dibromochloromethane	µg/L	60.	6.	<6.0 U	<6.0 U	<6.0 U	<0.32	<0.040 U	<0.40 U	<0.16 U	<0.080 U	<0.15 U	<0.15 U	<0.15 U
Dibromomethane	µg/L	--	--	<10 U	<10 U	<10 U	<0.36	<0.040 U	<0.40 U	<0.6 U	<0.30 U	<0.25 U	<0.25 U	<0.25 U
Dichlorodifluoromethane	µg/L	1000.	200.	<12 U	<12 U	<12 U	<1.8	<0.11 U	<1.1 U	<0.6 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U
Diisopropyl ether	µg/L	--	--	<8.0 U	<8.0 U	<8.0 U	<0.3	<0.021 U	<0.21 U	<0.4 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U
Ethylbenzene	µg/L	700.	140.	<8.0 U	<8.0 U	<8.0 U	<0.28	<0.019 U	<0.19 U	<0.6 U	<0.30 U	<0.20 U	<0.20 U	<0.20 U
Hexachlorobutadiene	µg/L	--	--	<10 U	<10 U	<10 U	<0.54	<0.070 U	<0.70 U	<0.7 U	<0.35 U	<0.25 U	<0.25 U	<0.25 U
Isopropylbenzene	µg/L	--	--	<8.0 U	<8.0 U	<8.0 U	<0.28	<0.060 U	<0.60 U	<0.5 U	<0.25 U	<0.20 U	<0.20 U	<0.20 U
m & p-Xylene	µg/L	2000.	400.	<14 U	<14 U	<14 U	<0.44	<0.050 U	<0.50 U	<1.2 U	<0.60 U	<0.35 U	<0.35 U	<0.35 U
Methyl tert-butyl ether	µg/L	60.	12.	<8.0 U	<8.0 U	<8.0 U	<0.28	0.15	<0.40 U	<0.4 U	0.24 J	0.22 J	0.29 J	<0.20 U
Methylene chloride	µg/L	5.	0.5	<10 U	<10 U	<10 U	26.	<0.15 U	<1.5 U	<0.6 U	9.6	<0.25 U	2.6	<0.25 U
Naphthalene	µg/L	100.	10.	<6.0 U	<6.0 U	<6.0 U	<0.50	<0.040 U	<0.40 U	<0.5 U	<0.25 U	<0.15 U	<0.15 U	<0.15 U
n-Butylbenzene	µg/L	--	--	<6.0 U	<6.0 U	<6.0 U	<0.42	<0.021 U	<0.21 U	<0.5 U	<0.25 U	<0.15 U	<0.15 U	<0.15 U
n-Propylbenzene	µg/L	--	--	<8.0 U	<8.0 U	<8.0 U	<0.26	<0.022 U	<0.22 U	<0.5 U	<0.25 U	<0.20 U	<0.20 U	<0.20 U
o-Xylene	µg/L	2000.	400.	<8.0 U	<8.0 U	<8.0 U	<0.32	<0.027 U	<0.27 U	<0.5 U	<0.25 U	<0.20 U	<0.20 U	<0.20 U
p-Isopropyltoluene	µg/L	--	--	<8.0 U	<8.0 U	<8.0 U	<0.32	<0.030 U	<0.30 U	<0.6 U	<0.30 U	<0.20 U	<0.20 U	<0.20 U
sec-Butylbenzene	µg/L	--	--	<10 U	<10 U	<10 U	<0.24	<0.024 U	<0.24 U	<0.5 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
Styrene	µg/L	100.	10.	<6.0 U	<6.0 U	<6.0 U	<0.28	<0.020 U	<0.20 U	<0.5 U	<0.25 U	<0.15 U	<0.15 U	<0.15 U
tert-Butylbenzene	µg/L	--	--	<8.0 U	<8.0 U	<8.0 U	<0.26	<0.025 U	<0.25 U	<0.6 U	<0.30 U	<0.20 U	<0.20 U	<0.20 U
Tetrachloroethene	µg/L	5.	0.05	<10 U	<10 U	<10 U	<0.56	<0.030 U	<0.30 U	<0.6 U	<0.30 U	<0.25 U	<0.25 U	<0.25 U
Tetrahydrofuran	µg/L	50.	10.	<80 U	<80 U	<80 U	<7.6	<0.70 U	<7.0 U	<6 U	3.1 JZ,B	<2.0 U	<2.0 U	<2.0 U
Toluene	µg/L	800.	160.	<8.0 U	<8.0 U	<8.0 U	<0.28	<0.027 U	<0.27 U	<0.6 U	<0.30 U	<0.20 U	<0.20 U	<0.20 U
trans-1,2-Dichloroethene	µg/L	100.	20.	200.	220.	200.	3.1	1.7	2.2	36.	1.6	1.4	1.3	1.1
trans-1,3-Dichloropropene	µg/L	0.4	0.04	<3.8 U	<3.8 U	<3.8 U	<0.40	<0.018 U	<0.18 U	<0.14 U	<0.070 U	<0.095 U	<0.095 U	<0.095 U
Trichloroethene	µg/L	5.	0.5	650.	740.	610.	70.	1.4	1.8	3.5	0.56	0.78 J	0.55 J	0.43 J
Trichlorofluoromethane	µg/L	--	--	<18 U	<18 U	<18 U	<0.66	<0.024 U	<0.24 U	<0.5 U	<0.25 U	<0.45 U	<0.45 U	<0.45 U
Vinyl acetate	µg/L	--	--	<44 U	<44 U	<44 U	<2.8	<0.60 U	<6.0 U	<5 U	<2.5 U	<1.1 U	<1.1 U	<1.1 U
Vinyl chloride	µg/L	0.2	0.02	5.4 J	7.6 J	7.8 J	0.69	2.	1.7	8.3	1.7	2.	2.9	1.7

Table 3. Groundwater Quality Data, Oconomowoc Electroplating Company Inc. (OECI) Superfund Site Monitoring Wells

	Date Sampled:			11/7/2018	12/1/2021	12/10/2014	5/5/2015	11/03/2015	5/11/2016	11/1/2016	5/10/2017	11/28/2017	11/7/2018	12/1/2021
	Units	NR140 ES	NR140 PAL	MW-105D	MW-105D	MW-105B	MW-105B	MW-105B	MW-105B	MW-105B	MW-105B	MW-105B	MW-105B	MW-105B
Field Parameters														
Dissolved Oxygen (DO)	mg/L	--	--	0.71	1.09	3.53	4.60	0.40	0.00	6.49	1.15	0.00	0.67	1.24
Oxidation Reduction Potential	millivolts	--	--	-102	-27.6	-134	-31	-120	-9	-161	-50	-162	-173	-115.5
pH	pH-units	--	--	7.10	7.80	7.86	7.18	7.71	7.57	7.58	7.52	7.88	7.26	8.04
Specific Conductivity	umhos/cm	--	--	1118	1123.2	756	945	791	764	815	784	622	777	744.5
Temperature	deg-C	--	--	9.67	11.16	7.54	8.91	13.02	18.52	6.90	10.76	16.13	9.60	10.83
Turbidity	ntu	--	--	11.	152.72	0.	4.7	0.	4.1	0.	0.	0.	0.4	157.92
Natural Attenuation Parameters														
Alkalinity, total (as CaCO ₃)	mg/L	--	--	430.	360.	370.	350.	380.	390.	400.	400.	410.	400.	330.
Chloride (as Cl)	mg/L	250.	125.	210.	190.	110.	95.	90.	84.	94.	91.	110.	82.	84.
Iron, total (unfiltered)	mg/L	--	--	2.08	3.04	2.82	0.311	2.8	0.389	3.7	0.171	3.98	3.04	2.4
Iron, dissolved (filtered)	mg/L	0.3	0.15	2.03	1.9	2.82	0.263	2.67 M	0.247	3.23	0.0775 J	3.66	3.3	2.6
Manganese, total (unfiltered)	µg/L	--	--	60.6	80.6	519.	461.	394.	372.	404.	18.2	411.	338.	270.
Manganese, dissolved (filtered)	µg/L	50.	25.	66.3	78.7	502.	489.	313.	225.	415.	11.9	425.	349.	273.
Nitrate Nitrogen, total	mg/L	10.	2.	NA	0.23	NA	NA	NA	NA	NA	NA	NA	NA	<0.12
Acetylene	µg/L	--	--	<0.23 U	NA	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	NA
Ethane	µg/L	--	--	<0.80 U	<0.38	1.1 J	<0.60 U	1.2 J	<0.40 U	0.44 J	<0.40 U	<0.40 U	<0.80 U	<0.38
Ethene	µg/L	--	--	<1.2 U	<0.59	<0.90 U	<0.90 U	<1.2 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<1.2 U	<0.59
Methane	µg/L	--	--	14.	16.	1400.	190.	2600.	470.	410.	13.	120.	150.	1200.
Sulfate(as SO ₄)	mg/L	250.	125.	52.	60.	<1.0 U	<1.0 U	<1 U	0.73 J	<1.0 U	<1.0 U	<1.0 U	<0.80 U	4.
Total Organic Carbon	mg/L	--	--	1.8	1.9	0.90 J	0.58 J	<0.4 U	1.9	1.1 J	1.3 J	0.63 J	0.79 J	0.78
VOCs														
1,1,1,2-Tetrachloroethane	µg/L	70.	7.	<0.20 U	<0.065	<0.030 U	<0.030 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013
1,1,1-Trichloroethane	µg/L	200.	40.	<0.25 U	<0.065	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.013
1,1,2,2-Tetrachloroethane	µg/L	0.2	0.02	<0.085 U	<0.075	<0.020 U	<0.020 U	<0.02 U	<0.020 U	<0.017 U	<0.017 U	<0.017 U	<0.017 U	<0.015
1,1,2-Trichloroethane	µg/L	5.	0.5	<0.25 U	<0.18	<0.070 U	<0.070 U	<0.05 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.036
1,1-Dichloroethane	µg/L	850.	85.	4.7	90.	<0.024 U	<0.024 U	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.017
1,1-Dichloroethene	µg/L	7.	0.7	1.	10.	<0.024 U	<0.024 U	<0.07 U	<0.070 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.024
1,1-Dichloropropene	µg/L	--	--	<0.30 U	<0.37	<0.080 U	<0.080 U	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.074
1,2,3-Trichlorobenzene	µg/L	--	--	<0.20 U	<0.095	<0.040 U	<0.040 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.019
1,2,3-Trichloropropane	µg/L	60.	12.	<0.20 U	<0.16	<0.080 U	<0.080 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.031
1,2,4-Trichlorobenzene	µg/L	70.	14.	<0.20 U	<0.11	<0.029 U	<0.029 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.022
1,2,4-Trimethylbenzene	µg/L	480.	96.	<0.20 U	<0.055	<0.024 U	<0.024 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.011
1,2-Dibromo-3-chloropropane	µg/L	0.2	0.02	<0.45 U	<0.60	<0.050 U	<0.050 U	<0.03 U	<0.030 U	<0.090 U	<0.090 U	<0.090 U	<0.090 U	<0.12
1,2-Dibromoethane	µg/L	0.05	0.005	<0.35 U	<0.15	<0.040 U	<0.040 U	<0.04 U	<0.040 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.029
1,2-Dichlorobenzene	µg/L	600.	60.	<0.20 U	6.	<0.025 U	<0.025 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.016
1,2-Dichloroethane	µg/L	5.	0.5	<0.25 U	0.69	<0.024 U	<0.024 U	<0.04 U	<0.040 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.017
1,2-Dichloropropane	µg/L	5.	0.5	<0.35 U	<0.065	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.013
1,3,5-Trimethylbenzene	µg/L	480.	96.	<0.25 U	<0.065	<0.022 U	<0.022 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.013
1,3-Dichlorobenzene	µg/L	600.	120.	<0.20 U	<0.065	<0.021 U	<0.021 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013
1,3-Dichloropropane	µg/L	--	--	<0.20 U	<0.10	<0.040 U	<0.040 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.020
1,4-Dichlorobenzene	µg/L	75.	15.	<0.20 U	11.	<0.026 U	<0.026 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.017
1,4-Dioxane	µg/L	3.	0.3	<35 U	<35	NA	NA	NA	NA	11 J	15 J	13 JZ	<7.0 U	<7.0
2,2-Dichloropropane	µg/L	--	--	<0.25 U	<0.38	<0.022 U	<0.022 U	<0.04 U	<0.040 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.075
2-Butanone (MEK)	µg/L	4000.	800.	<2.5 U	<1.6	<0.80 U	<0.80 U	<0.8 U	<0.80 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.31
2-Chlorotoluene	µg/L	--	--	<0.15 U	<0.10	<0.025 U	<0.025 U	<0.06 U	<0.060 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.020
2-Hexanone	µg/L	--	--	<1.2 U	<0.75	<0.40 U	<0.40 U	<0.4 U	<0.40 U	<0.24 U	<0.24 U	<0.24 U	<0.24 U	<0.15
4-Chlorotoluene	µg/L	--	--	<0.20 U	<0.10	<0.029 U	<0.029 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013
4-Methyl-2-pentanone (MIBK)	µg/L	500.	50.	<1.2 U	<0.95	<0.26 U	<0.26 U	<0.4 U	<0.40 U	<0.24 U	<0.24 U	<0.24 U	<0.24 U	<0.19

Table 3. Groundwater Quality Data, Oconomowoc Electroplating Company Inc. (OECI) Superfund Site Monitoring Wells

	Date Sampled:			11/7/2018	12/1/2021	12/10/2014	5/5/2015	11/03/2015	5/11/2016	11/1/2016	5/10/2017	11/28/2017	11/7/2018	12/1/2021
	Units	NR140 ES	NR140 PAL	MW-105D	MW-105D	MW-105B	MW-105B	MW-105B	MW-105B	MW-105B	MW-105B	MW-105B	MW-105B	MW-105B
Acetone	µg/L	9000.	1800.	4.6 JB	<4.2	<1.3 UZ	<1.3 UZ	<0.9 U	<0.90 U	<0.30 U	0.47 JB	0.43 JB	0.37 JB	<0.84
Benzene	µg/L	5.	0.5	<0.090 U	<0.11	<0.019 U	<0.019 U	<0.06 U	<0.060 U	0.019 J	<0.018 U	<0.018 U	<0.018 U	<0.022
Bromobenzene	µg/L	--	--	<0.20 U	<0.090	<0.030 U	<0.030 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.018
Bromochloromethane	µg/L	--	--	<0.15 U	<0.17	<0.090 U	<0.090 U	<0.017 U	<0.017 U	<0.030 U	<0.030 U	<0.030 UQ	<0.030 U	<0.034
Bromodichloromethane	µg/L	0.6	0.06	<0.080 U	<0.095	<0.018 U	<0.018 U	<0.017 U	<0.017 U	<0.016 U	<0.016 U	<0.016 U	<0.016 U	<0.019
Bromoform	µg/L	4.4	0.44	<0.20 U	<0.21	<0.060 U	<0.060 U	<0.018 U	<0.018 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.041
Bromomethane	µg/L	10.	1.	<0.40 U	<0.26	<0.070 U	<0.070 U	<0.09 U	<0.090 U	<0.080 UZ	<0.080 U	<0.080 UZ	<0.080 U	<0.052
Carbon disulfide	µg/L	1000.	200.	<0.35 U	<0.55	<0.080 U	<0.080 U	<0.11 U	<0.11 U	0.072 J	<0.070 U	0.076 J	<0.070 U	<0.11
Carbon tetrachloride	µg/L	5.	0.05	<0.25 U	<0.090	<0.029 U	<0.029 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.018
Chlorobenzene	µg/L	--	--	<0.20 U	17.	<0.024 U	<0.024 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013
Chloroethane	µg/L	400.	80.	<0.35 U	<2.0	<0.040 U	<0.040 U	<0.06 U	<0.060 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.40
Chloroform	µg/L	6.	0.6	<0.15 U	<0.080	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.016
Chloromethane	µg/L	30.	3.	0.22 J	<0.23	0.097 JB	<0.040 U	<0.05 U	<0.050 U	<0.040 U	0.095 JB	<0.040 U	0.15	<0.045
cis-1,2-Dichloroethene	µg/L	70.	7.	50.	1500.	0.081 J	0.034 J	0.075 J	<0.060 U	<0.070 U	<0.070 U	0.07 J	<0.070 U	0.14
cis-1,3-Dichloropropene	µg/L	0.4	0.04	<0.055 U	<0.070	<0.020 U	<0.020 U	<0.015 U	<0.015 U	<0.011 U	<0.011 U	<0.011 U	<0.011 U	<0.014
Dibromochloromethane	µg/L	60.	6.	<0.15 U	<0.080	<0.040 U	<0.040 U	<0.016 U	<0.016 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.016
Dibromomethane	µg/L	--	--	<0.25 U	<0.090	<0.040 U	<0.040 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.018
Dichlorodifluoromethane	µg/L	1000.	200.	<0.30 U	<0.46	<0.11 U	<0.11 U	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.091
Diisopropyl ether	µg/L	--	--	<0.20 U	<0.08	<0.021 U	<0.021 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.02
Ethylbenzene	µg/L	700.	140.	<0.20 U	<0.070	<0.019 U	<0.019 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.014
Hexachlorobutadiene	µg/L	--	--	<0.25 U	<0.14	<0.070 U	<0.070 U	<0.07 U	<0.070 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.027
Isopropylbenzene	µg/L	--	--	<0.20 U	<0.070	<0.060 U	<0.060 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.014
m & p-Xylene	µg/L	2000.	400.	<0.35 U	<0.11	<0.050 U	<0.050 U	<0.12 U	<0.12 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.022
Methyl tert-butyl ether	µg/L	60.	12.	0.24 J	<0.070	<0.040 U	<0.040 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.014
Methylene chloride	µg/L	5.	0.5	<0.25 U	<0.45	<0.15 U	<0.15 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.090
Naphthalene	µg/L	100.	10.	<0.15 U	<0.13	<0.040 U	<0.040 U	<0.05 U	<0.050 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.025
n-Butylbenzene	µg/L	--	--	<0.15 U	<0.11	<0.021 U	<0.021 U	<0.05 U	<0.050 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.021
n-Propylbenzene	µg/L	--	--	<0.20 U	<0.065	<0.022 U	<0.022 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013
o-Xylene	µg/L	2000.	400.	<0.20 U	<0.080	<0.027 U	<0.027 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.016
p-Isopropyltoluene	µg/L	--	--	<0.20 U	<0.080	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.016
sec-Butylbenzene	µg/L	--	--	<0.25 U	<0.060	<0.024 U	<0.024 U	<0.05 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.012
Styrene	µg/L	100.	10.	<0.15 U	<0.070	<0.020 U	<0.020 U	<0.05 U	<0.050 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.014
tert-Butylbenzene	µg/L	--	--	<0.20 U	<0.065	<0.025 U	<0.025 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013
Tetrachloroethene	µg/L	5.	0.05	<0.25 U	<0.14	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.028
Tetrahydrofuran	µg/L	50.	10.	<2.0 U	<1.9	<0.70 U	<0.70 U	<0.6 U	0.67 JB,Z	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.38
Toluene	µg/L	800.	160.	<0.20 U	0.57	<0.027 U	<0.027 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.014
trans-1,2-Dichloroethene	µg/L	100.	20.	0.62 J	360.	<0.040 U	<0.040 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.020
trans-1,3-Dichloropropene	µg/L	0.4	0.04	<0.095 U	<0.10	<0.018 U	<0.018 U	<0.014 U	<0.014 U	<0.019 U	<0.019 U	<0.019 U	<0.019 U	<0.020
Trichloroethene	µg/L	5.	0.5	0.32 J	73.	0.056 J	<0.020 U	<0.03 U	<0.030 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.022
Trichlorofluoromethane	µg/L	--	--	<0.45 U	<0.17	<0.024 U	<0.024 U	<0.05 U	<0.050 U	<0.090 U	<0.090 U	<0.090 U	<0.090 U	<0.033
Vinyl acetate	µg/L	--	--	<1.1 U	<0.70	<0.60 U	<0.60 U	<0.5 U	<0.50 U	<0.22 U	<0.22 U	<0.22 U	<0.22 U	<0.14
Vinyl chloride	µg/L	0.2	0.02	2.8	27.	<0.019 U	<0.019 U	0.028 J	<0.016 U	<0.019 U	<0.019 U	<0.019 U	<0.019 U	<0.019

Table 3. Groundwater Quality Data, Oconomowoc Electroplating Company Inc. (OECI) Superfund Site Monitoring Wells

	Date Sampled:				12/10/2021	12/10/2014	5/5/2015	11/05/2015	5/18/2016	11/1/2016	5/9/2017	11/29/2017	11/8/2018	12/2/2021	12/2/2021
	Units	NR140 ES	NR140 PAL	MW-105B DUP	TW-2021	TW-2021	TW-2021	TW-2021	TW-2021	TW-2021	TW-2021	TW-2021	TW-2021	TW-2021	TW-2021 DUP
Field Parameters															
Dissolved Oxygen (DO)	mg/L	--	--	NA	2.63	1.40	0.37	2.55	0.00	0.34	0.00	0.82	1.52	NA	
Oxidation Reduction Potential	millivolts	--	--	NA	-18	-14	-10	55	-29	45	-47	-55	81.4	NA	
pH	pH-units	--	--	NA	7.55	7.48	6.86	7.02	6.93	7.34	7.57	7.07	7.63	NA	
Specific Conductivity	umhos/cm	--	--	NA	1040	1180	980	1190	1230	1520	761	990	1018.5	NA	
Temperature	deg-C	--	--	NA	8.66	11.28	14.54	11.28	8.14	10.07	17.72	12.04	11.97	NA	
Turbidity	ntu	--	--	NA	8.31	24.3	12.2	0.	0.	0.	0.	27.2	158.49	NA	
Natural Attenuation Parameters															
Alkalinity, total (as CaCO ₃)	mg/L	--	--	320.	350.	310.	350.	370.	380.	390.	360.	360.	290.	290.	
Chloride (as Cl)	mg/L	250.	125.	86.	230.	290.	230.	260.	210.	210.	190.	170.	190.	190.	
Iron, total (unfiltered)	mg/L	--	--	2.47	0.258	0.29	0.325	0.169	0.191	0.144	0.176	0.531	0.338	0.328	
Iron, dissolved (filtered)	mg/L	0.3	0.15	2.61	0.103	0.0537	0.107	0.126	0.122 J	0.107 J	<0.059 U	0.11 J	0.153	0.142	
Manganese, total (unfiltered)	µg/L	--	--	278.	563.	543.	591.	486.	441.	371.	424.	277.	572.	558.	
Manganese, dissolved (filtered)	µg/L	50.	25.	274.	410.	468.	515.	448.	431.	328.	379.	387.	420.	411.	
Nitrate Nitrogen, total	mg/L	10.	2.	0.47	NA	NA	NA	NA	NA	NA	NA	NA	0.25	<0.12	
Acetylene	µg/L	--	--	--	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	NA	NA	
Ethane	µg/L	--	--	<0.38	<0.60 U	<0.60 U	<0.9 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.38	<0.38	
Ethene	µg/L	--	--	<0.59	<0.90 U	<0.90 U	<1.2 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<1.2 U	<0.59	<0.59	
Methane	µg/L	--	--	1100.	3.1	5.	2.6	4.4	2.7	0.4 J	1.8	1.2	8.6	8.9	
Sulfate(as SO ₄)	mg/L	250.	125.	12.	55.	44.	39.	51.	39.	38.	32.	26.	25.	35.	
Total Organic Carbon	mg/L	--	--	1.1	2.9	2.	0.76 J	3.6	2.6	3.5	2.	1.9	2.4	1.7	
VOCs															
1,1,1,2-Tetrachloroethane	µg/L	70.	7.	<0.013	<0.030 U	<0.030 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.013	
1,1,1-Trichloroethane	µg/L	200.	40.	<0.013	0.32	0.29	0.27	0.24	0.25	0.22	0.23	0.14 J	0.14	0.13	
1,1,2,2-Tetrachloroethane	µg/L	0.2	0.02	<0.015	<0.020 U	<0.020 U	<0.02 U	<0.020 U	<0.017 U	<0.017 U	<0.017 U	<0.017 U	<0.015	<0.015	
1,1,2-Trichloroethane	µg/L	5.	0.5	<0.036	<0.070 U	<0.070 U	<0.05 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.036	<0.036	
1,1-Dichloroethane	µg/L	850.	85.	<0.017	0.1	0.1	0.082 J	0.13 J	0.14 J	0.15 J	<0.060 U	0.06 J	0.021	0.029	
1,1-Dichloroethene	µg/L	7.	0.7	<0.024	0.08 J	0.067 J	0.072 J	0.092 J	0.079 J	0.086 J	<0.060 U	<0.060 U	<0.024	<0.024	
1,1-Dichloropropene	µg/L	--	--	<0.074	<0.080 U	<0.080 U	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.074	<0.074	
1,2,3-Trichlorobenzene	µg/L	--	--	<0.019	<0.040 U	<0.040 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.019	<0.019	
1,2,3-Trichloropropane	µg/L	60.	12.	<0.031	<0.080 U	<0.080 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.031	<0.031	
1,2,4-Trichlorobenzene	µg/L	70.	14.	<0.022	<0.029 U	<0.029 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.022	<0.022	
1,2,4-Trimethylbenzene	µg/L	480.	96.	<0.011	<0.024 U	<0.024 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	0.094 J	<0.011	<0.011	
1,2-Dibromo-3-chloropropane	µg/L	0.2	0.02	<0.12	<0.050 U	<0.050 U	<0.03 U	<0.030 U	<0.090 U	<0.090 U	<0.090 U	<0.090 U	<0.12	<0.12	
1,2-Dibromoethane	µg/L	0.05	0.005	<0.029	<0.040 U	<0.040 U	<0.04 U	<0.040 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.029	<0.029	
1,2-Dichlorobenzene	µg/L	600.	60.	<0.016	<0.025 U	<0.025 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.016	<0.016	
1,2-Dichloroethane	µg/L	5.	0.5	<0.017	<0.024 U	<0.024 U	<0.04 U	<0.040 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.017	<0.017	
1,2-Dichloropropane	µg/L	5.	0.5	<0.013	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.013	<0.013	
1,3,5-Trimethylbenzene	µg/L	480.	96.	<0.013	<0.022 U	<0.022 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.013	<0.013	
1,3-Dichlorobenzene	µg/L	600.	120.	<0.013	0.11	0.046 J	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	0.84	<0.013	<0.013	
1,3-Dichloropropane	µg/L	--	--	<0.020	<0.040 U	<0.040 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.020	<0.020	
1,4-Dichlorobenzene	µg/L	75.	15.	<0.017	<0.026 U	<0.026 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	0.62	<0.017	<0.017	
1,4-Dioxane	µg/L	3.	0.3	<7.0	NA	NA	NA	NA	<7.0 U	<7.0 U	<7.0 U	<7.0 U	<7.0	<7.0	
2,2-Dichloropropane	µg/L	--	--	<0.075	<0.022 U	<0.022 U	<0.04 U	<0.040 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.075	<0.075	
2-Butanone (MEK)	µg/L	4000.	800.	<0.31	<0.80 U	<0.80 U	<0.8 U	<0.80 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.31	<0.31	
2-Chlorotoluene	µg/L	--	--	<0.020	<0.025 U	<0.025 U	<0.06 U	<0.060 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.020	<0.020	
2-Hexanone	µg/L	--	--	<0.15	<0.40 U	<0.40 U	<0.4 U	<0.40 U	<0.24 U	<0.24 U	<0.24 U	<0.24 U	<0.15	<0.15	
4-Chlorotoluene	µg/L	--	--	<0.013	<0.029 U	<0.029 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.013	
4-Methyl-2-pentanone (MIBK)	µg/L	500.	50.	<0.19	<0.26 U	<0.26 U	<0.4 U	<0.40 U	<0.24 U	<0.24 U	<0.24 U	<0.24 U	<0.19	<0.19	

Table 3. Groundwater Quality Data, Oconomowoc Electroplating Company Inc. (OECI) Superfund Site Monitoring Wells

	Date Sampled:				12/10/2014	5/5/2015	11/05/2015	5/18/2016	11/1/2016	5/9/2017	11/29/2017	11/8/2018	12/2/2021	12/2/2021
	Units	NR140 ES	NR140 PAL	MW-105B DUP	TW-2021	TW-2021	TW-2021	TW-2021	TW-2021	TW-2021	TW-2021	TW-2021	TW-2021	TW-2021 DUP
Acetone	µg/L	9000.	1800.	<0.84	<1.3 UZ	<1.3 UZ	<0.9 U	<0.90 U	<0.30 U	0.47 JB	0.31 JB	0.47 JB	<0.84	<0.84
Benzene	µg/L	5.	0.5	<0.022	<0.019 U	<0.019 U	<0.06 U	<0.060 U	0.023 J	0.023 J	<0.018 U	0.021 J	<0.022	<0.022
Bromobenzene	µg/L	--	--	<0.018	<0.030 U	<0.030 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.018	<0.018
Bromochloromethane	µg/L	--	--	<0.034	<0.090 U	<0.090 U	<0.017 U	<0.017 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.034	<0.034
Bromodichloromethane	µg/L	0.6	0.06	<0.019	<0.018 U	<0.018 U	<0.017 U	<0.017 U	<0.016 U	<0.016 U	<0.016 U	<0.016 U	<0.019	<0.019
Bromoform	µg/L	4.4	0.44	<0.041	<0.060 U	<0.060 U	<0.018 U	<0.018 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.041	<0.041
Bromomethane	µg/L	10.	1.	<0.052	<0.070 UZ	<0.070 U	<0.09 U	<0.090 U	<0.080 UZ	<0.080 U	<0.080 U	<0.080 U	<0.052	<0.052
Carbon disulfide	µg/L	1000.	200.	<0.11	<0.080 U	<0.080 U	<0.11 U	<0.11 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.11	<0.11
Carbon tetrachloride	µg/L	5.	0.05	<0.018	<0.029 U	<0.029 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.018	<0.018
Chlorobenzene	µg/L	--	--	<0.013	0.55	0.54	0.61	0.45	0.56	0.47	0.51	0.39	0.37	0.35
Chloroethane	µg/L	400.	80.	<0.40	<0.040 U	<0.040 U	<0.06 U	<0.060 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.40	<0.40
Chloroform	µg/L	6.	0.6	<0.016	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.016	<0.016
Chloromethane	µg/L	30.	3.	<0.045	0.06 JB	<0.040 U	<0.05 U	0.13 J	<0.040 U	0.13 JB	<0.040 U	0.19	<0.045	<0.045
cis-1,2-Dichloroethene	µg/L	70.	7.	0.15	11.	12.	8.6	19.	17.	20.	11.	6.3	4.2	5.9
cis-1,3-Dichloropropene	µg/L	0.4	0.04	<0.014	<0.020 U	<0.020 U	<0.015 U	<0.015 U	<0.011 U	<0.011 U	<0.011 U	<0.011 U	<0.014	<0.014
Dibromochloromethane	µg/L	60.	6.	<0.016	<0.040 U	<0.040 U	<0.016 U	<0.016 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.016	<0.016
Dibromomethane	µg/L	--	--	<0.018	<0.040 U	<0.040 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.018	<0.018
Dichlorodifluoromethane	µg/L	1000.	200.	<0.091	<0.11 U	<0.11 U	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.091	<0.091
Diisopropyl ether	µg/L	--	--	<0.02	<0.021 U	<0.021 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.02	<0.02
Ethylbenzene	µg/L	700.	140.	<0.014	<0.019 U	<0.019 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.014	<0.014
Hexachlorobutadiene	µg/L	--	--	<0.027	<0.070 U	<0.070 U	<0.07 U	<0.070 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.027	<0.027
Isopropylbenzene	µg/L	--	--	<0.014	<0.060 U	<0.060 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.014	<0.014
m & p-Xylene	µg/L	2000.	400.	<0.022	<0.050 U	<0.050 U	<0.12 U	<0.12 U	<0.070 U	<0.070 U	<0.070 U	0.11 J	<0.022	<0.022
Methyl tert-butyl ether	µg/L	60.	12.	<0.014	<0.040 U	<0.040 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.014	<0.014
Methylene chloride	µg/L	5.	0.5	<0.090	<0.15 U	<0.15 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.090	<0.090
Naphthalene	µg/L	100.	10.	<0.025	<0.040 U	<0.040 U	<0.05 U	<0.050 U	<0.030 U	<0.030 U	<0.030 U	0.13	<0.025	<0.025
n-Butylbenzene	µg/L	--	--	<0.021	<0.021 U	<0.021 U	<0.05 U	<0.050 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.021	<0.021
n-Propylbenzene	µg/L	--	--	<0.013	<0.022 U	<0.022 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.013
o-Xylene	µg/L	2000.	400.	<0.016	<0.027 U	<0.027 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	0.058 J	<0.016	<0.016
p-Isopropyltoluene	µg/L	--	--	<0.016	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.016	<0.016
sec-Butylbenzene	µg/L	--	--	<0.012	<0.024 U	<0.024 U	<0.05 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.012	<0.012
Styrene	µg/L	100.	10.	<0.014	<0.020 U	<0.020 U	<0.05 U	<0.050 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.014	<0.014
tert-Butylbenzene	µg/L	--	--	<0.013	<0.025 U	<0.025 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.013
Tetrachloroethene	µg/L	5.	0.05	<0.028	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.028	<0.028
Tetrahydrofuran	µg/L	50.	10.	<0.38	<0.70 U	<0.70 U	<0.6 U	<0.60 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.38	<0.38
Toluene	µg/L	800.	160.	<0.014	<0.027 U	<0.027 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	0.063 J	<0.014	<0.014
trans-1,2-Dichloroethene	µg/L	100.	20.	<0.020	1.	1.	0.98	1.5	1.2	0.97	0.6	0.47	0.47	0.46
trans-1,3-Dichloropropene	µg/L	0.4	0.04	<0.020	<0.018 U	<0.018 U	<0.014 U	<0.014 U	<0.019 U	<0.019 U	<0.019 U	<0.019 U	<0.020	<0.020
Trichloroethene	µg/L	5.	0.5	<0.022	13.	12.	11.	12.	11.	12.	11.	8.	5.1	4.5
Trichlorofluoromethane	µg/L	--	--	<0.033	<0.024 U	<0.024 U	<0.05 U	<0.050 U	<0.090 U	<0.090 U	<0.090 U	<0.090 U	<0.033	<0.033
Vinyl acetate	µg/L	--	--	<0.14	<0.60 U	<0.60 U	<0.5 U	<0.50 U	<0.22 U	<0.22 U	<0.22 U	<0.22 U	<0.14	<0.14
Vinyl chloride	µg/L	0.2	0.02	<0.019	0.023 J	0.023 J	0.022 J	<0.016 U	<0.019 U	<0.019 U	<0.019 U	<0.019 U	<0.019	<0.019

Table 3. Groundwater Quality Data, Oconomowoc Electroplating Company Inc. (OECI) Superfund Site Monitoring Wells

	Date Sampled:			12/11/2014	5/6/2015	11/04/2015	5/18/2016	11/2/2016	5/10/2017	11/29/2017	11/9/2018
	Units	NR140 ES	NR140 PAL	OW-6	OW-6	OW-06	OW-6	OW-6	OW-6	OW-6	OW-6
Field Parameters											
Dissolved Oxygen (DO)	mg/L	--	--	0.53	0.38	0.24	3.40	0.44	0.12	0.00	0.43
Oxidation Reduction Potential	millivolts	--	--	-119	-34	-150	163	-166	11	-120	-111
pH	pH-units	--	--	7.34	6.74	9.51	9.18	7.48	7.72	7.73	6.91
Specific Conductivity	umhos/cm	--	--	731	743	485	637	951	778	876	952
Temperature	deg-C	--	--	8.73	9.88	18.83	12.40	9.64	10.56	16.74	10.87
Turbidity	ntu	--	--	3.73	1.2	0.	0.	0.	0.	0.	0.
Natural Attenuation Parameters											
Alkalinity, total (as CaCO ₃)	mg/L	--	--	220.	260.	190.	240.	350.	310.	350.	310.
Chloride (as Cl)	mg/L	250.	125.	160.	160.	120.	130.	150.	140.	190.	120.
Iron, total (unfiltered)	mg/L	--	--	1.16	0.299	0.13	0.416	4.	0.534	6.26	1.2
Iron, dissolved (filtered)	mg/L	0.3	0.15	0.477	0.177	0.0923	<0.010 U	3.97	<0.059 U	5.93	0.971
Manganese, total (unfiltered)	µg/L	--	--	46.4	85.1	9.9	16.6	76.4	50.4	77.	25.6
Manganese, dissolved (filtered)	µg/L	50.	25.	41.3	72.4	6.3	4.8 J	78.6	8.3	80.	22.
Nitrate Nitrogen, total	mg/L	10.	2.	NA	NA	NA	NA	NA	NA	NA	NA
Acetylene	µg/L	--	--	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U
Ethane	µg/L	--	--	<0.60 U	<0.60 U	<0.9 U	<0.40 U	0.53 J	<0.40 U	0.44 J	<0.80 U
Ethene	µg/L	--	--	<0.90 U	<0.90 U	<1.2 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<1.2 U
Methane	µg/L	--	--	99.	210.	36.	54.	65.	39.	420.	16.
Sulfate(as SO ₄)	mg/L	250.	125.	9.2	5.6	8.2	9.7	26.	28.	39.	23.
Total Organic Carbon	mg/L	--	--	0.99 JY	0.4 J	<0.4 U	0.53 J	0.89 J	2.	0.72 J	<0.40 U
VOCs											
1,1,1,2-Tetrachloroethane	µg/L	70.	7.	<0.030 U	<0.030 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
1,1,1-Trichloroethane	µg/L	200.	40.	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U
1,1,2,2-Tetrachloroethane	µg/L	0.2	0.02	<0.020 U	<0.020 U	<0.02 U	<0.020 U	<0.017 U	<0.017 U	<0.017 U	<0.017 U
1,1,2-Trichloroethane	µg/L	5.	0.5	<0.070 U	<0.070 U	<0.05 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U
1,1-Dichloroethane	µg/L	850.	85.	0.082	0.087	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U
1,1-Dichloroethene	µg/L	7.	0.7	<0.024 U	<0.024 U	<0.07 U	<0.070 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U
1,1-Dichloropropene	µg/L	--	--	<0.080 U	<0.080 U	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U
1,2,3-Trichlorobenzene	µg/L	--	--	<0.040 U	<0.040 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
1,2,3-Trichloropropane	µg/L	60.	12.	<0.080 U	<0.080 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
1,2,4-Trichlorobenzene	µg/L	70.	14.	<0.029 U	<0.029 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
1,2,4-Trimethylbenzene	µg/L	480.	96.	<0.024 U	<0.024 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
1,2-Dibromo-3-chloropropane	µg/L	0.2	0.02	<0.050 U	<0.050 U	<0.03 U	<0.030 U	<0.090 U	<0.090 U	<0.090 U	<0.090 U
1,2-Dibromoethane	µg/L	0.05	0.005	<0.040 U	<0.040 U	<0.04 U	<0.040 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U
1,2-Dichlorobenzene	µg/L	600.	60.	<0.025 U	<0.025 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
1,2-Dichloroethane	µg/L	5.	0.5	0.025 J	0.029 J	<0.04 U	<0.040 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U
1,2-Dichloropropane	µg/L	5.	0.5	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U
1,3,5-Trimethylbenzene	µg/L	480.	96.	<0.022 U	<0.022 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U
1,3-Dichlorobenzene	µg/L	600.	120.	0.14	0.056 J	0.075 J	0.091 J	0.05 J	<0.040 U	<0.040 U	<0.040 U
1,3-Dichloropropane	µg/L	--	--	<0.040 U	<0.040 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
1,4-Dichlorobenzene	µg/L	75.	15.	<0.026 U	<0.026 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
1,4-Dioxane	µg/L	3.	0.3	NA	NA	NA	NA	<7.0 U	9.9 J	<7.0 U	<7.0 U
2,2-Dichloropropane	µg/L	--	--	<0.022 U	<0.022 U	<0.04 U	<0.040 U	<0.050 U	<0.050 U	<0.050 U	0.056 J
2-Butanone (MEK)	µg/L	4000.	800.	<0.80 U	<0.80 U	<0.8 U	<0.80 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U
2-Chlorotoluene	µg/L	--	--	<0.025 U	<0.025 U	<0.06 U	<0.060 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U
2-Hexanone	µg/L	--	--	<0.40 U	<0.40 U	<0.4 U	<0.40 U	<0.24 U	<0.24 U	<0.24 U	<0.24 U
4-Chlorotoluene	µg/L	--	--	<0.029 U	<0.029 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
4-Methyl-2-pentanone (MIBK)	µg/L	500.	50.	<0.26 U	<0.26 U	<0.4 U	<0.40 U	<0.24 U	<0.24 U	<0.24 U	<0.24 U

Table 3. Groundwater Quality Data, Oconomowoc Electroplating Company Inc. (OECI) Superfund Site Monitoring Wells

	Date Sampled:			12/11/2014	5/6/2015	11/04/2015	5/18/2016	11/2/2016	5/10/2017	11/29/2017	11/9/2018
	Units	NR140 ES	NR140 PAL	OW-6	OW-6	OW-06	OW-6	OW-6	OW-6	OW-6	OW-6
Acetone	µg/L	9000.	1800.	<1.3 UZ	<1.3 UZ	<0.9 U	<0.90 U	<0.30 U	0.97 JB	0.47 JB	0.33 JB
Benzene	µg/L	5.	0.5	<0.019 U	<0.019 U	<0.06 U	<0.060 U	0.021 J	<0.018 U	<0.018 U	<0.018 U
Bromobenzene	µg/L	--	--	<0.030 U	<0.030 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
Bromochloromethane	µg/L	--	--	<0.090 U	<0.090 U	<0.017 U	<0.017 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U
Bromodichloromethane	µg/L	0.6	0.06	<0.018 U	<0.018 U	<0.017 U	<0.017 U	<0.016 U	<0.016 U	<0.016 U	<0.016 U
Bromoform	µg/L	4.4	0.44	<0.060 U	<0.060 U	<0.018 U	<0.018 U	<0.040 UZ	<0.040 U	<0.040 U	<0.040 U
Bromomethane	µg/L	10.	1.	<0.070 U	<0.070 U	<0.09 U	<0.090 U	<0.080 U	<0.080 U	<0.080 U	<0.080 U
Carbon disulfide	µg/L	1000.	200.	<0.080 U	<0.080 U	<0.11 U	<0.11 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U
Carbon tetrachloride	µg/L	5.	0.05	<0.029 U	<0.029 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U
Chlorobenzene	µg/L	--	--	<0.024 U	<0.024 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
Chloroethane	µg/L	400.	80.	<0.040 U	<0.040 U	<0.06 U	<0.060 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U
Chloroform	µg/L	6.	0.6	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U
Chloromethane	µg/L	30.	3.	0.08 JB	<0.040 U	<0.05 U	0.17 J	0.085 J	0.17 B	<0.040 U	0.089 J
cis-1,2-Dichloroethene	µg/L	70.	7.	0.056 J	0.12	<0.06 U	<0.060 U	0.078 J	<0.070 U	0.15 J	0.08 J
cis-1,3-Dichloropropene	µg/L	0.4	0.04	<0.020 U	<0.020 U	<0.015 U	<0.015 U	<0.011 U	<0.011 U	<0.011 U	<0.011 U
Dibromochloromethane	µg/L	60.	6.	<0.040 U	<0.040 U	<0.016 U	<0.016 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U
Dibromomethane	µg/L	--	--	<0.040 U	<0.040 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U
Dichlorodifluoromethane	µg/L	1000.	200.	<0.11 U	<0.11 U	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U
Diisopropyl ether	µg/L	--	--	<0.021 U	<0.021 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
Ethylbenzene	µg/L	700.	140.	<0.019 U	<0.019 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
Hexachlorobutadiene	µg/L	--	--	<0.070 U	<0.070 U	<0.07 U	<0.070 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U
Isopropylbenzene	µg/L	--	--	<0.060 U	<0.060 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
m & p-Xylene	µg/L	2000.	400.	<0.050 U	<0.050 U	<0.12 U	<0.12 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U
Methyl tert-butyl ether	µg/L	60.	12.	<0.040 U	<0.040 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
Methylene chloride	µg/L	5.	0.5	<0.15 U	<0.15 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U
Naphthalene	µg/L	100.	10.	<0.040 U	<0.040 U	<0.05 U	<0.050 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U
n-Butylbenzene	µg/L	--	--	<0.021 U	<0.021 U	<0.05 U	<0.050 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U
n-Propylbenzene	µg/L	--	--	<0.022 U	<0.022 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
o-Xylene	µg/L	2000.	400.	<0.027 U	<0.027 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
p-Isopropyltoluene	µg/L	--	--	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
sec-Butylbenzene	µg/L	--	--	<0.024 U	<0.024 U	<0.05 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U
Styrene	µg/L	100.	10.	<0.020 U	<0.020 U	<0.05 U	<0.050 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U
tert-Butylbenzene	µg/L	--	--	<0.025 U	<0.025 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
Tetrachloroethene	µg/L	5.	0.05	0.04 J	<0.030 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U
Tetrahydrofuran	µg/L	50.	10.	<0.70 U	<0.70 U	<0.6 U	<0.60 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U
Toluene	µg/L	800.	160.	<0.027 U	<0.027 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
trans-1,2-Dichloroethene	µg/L	100.	20.	<0.040 U	<0.040 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
trans-1,3-Dichloropropene	µg/L	0.4	0.04	<0.018 U	<0.018 U	<0.014 U	<0.014 U	<0.019 U	<0.019 U	<0.019 U	<0.019 U
Trichloroethene	µg/L	5.	0.5	0.042 J	<0.020 U	<0.03 U	<0.030 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U
Trichlorofluoromethane	µg/L	--	--	<0.024 U	<0.024 U	<0.05 U	<0.050 U	<0.090 U	<0.090 U	<0.090 U	<0.090 U
Vinyl acetate	µg/L	--	--	<0.60 U	<0.60 U	<0.5 U	<0.50 U	<0.22 U	<0.22 U	<0.22 U	<0.22 U
Vinyl chloride	µg/L	0.2	0.02	<0.019 U	<0.019 U	<0.016 U	<0.016 U	<0.019 U	<0.019 U	<0.019 U	<0.019 U

Table 3. Groundwater Quality Data, Oconomowoc Electroplating Company Inc. (OECI) Superfund Site Monitoring Wells

	Date Sampled:			12/1/2021	12/15/2014	5/7/2015	11/04/2015	5/10/2016	11/3/2016	5/11/2017	11/29/2017	11/15/2018	12/2/2021
	Units	NR140 ES	NR140 PAL	OW-6	MW-14DR	MW-14DR	MW-14DR	MW-14DR	MW-14DR	MW-14DR	MW-14DR	MW-14DR	MW-14DR
Field Parameters													
Dissolved Oxygen (DO)	mg/L	--	--	1.75	11.86	0.00	0.22	5.74	0.00	0.63	0.00	0.66	1.94
Oxidation Reduction Potential	millivolts	--	--	-66.1	94	66	-24	213	105	222	23	39	50.8
pH	pH-units	--	--	10.17	7.57	6.69	7.34	6.65	7.16	7.15	7.41	7.04	7.64
Specific Conductivity	umhos/cm	--	--	869.12	917	840	887	841	1000	829	663	1072	991.32
Temperature	deg-C	--	--	11.26	10.03	11.49	14.02	10.40	7.40	12.53	17.20	11.36	12.14
Turbidity	ntu	--	--	224.01	79.5	0.4	0.	0.	0.	0.	0.	0.	210.38
Natural Attenuation Parameters													
Alkalinity, total (as CaCO ₃)	mg/L	--	--	260.	310.	290.	340.	350.	360.	340.	330.	320.	260.
Chloride (as Cl)	mg/L	250.	125.	120.	140 M	170.	190.	190.	160.	150.	140.	210.	190.
Iron, total (unfiltered)	mg/L	--	--	<0.033	0.252 M	0.0672	0.196	<0.020 U	0.0897 J	0.172	<0.034 U	0.0419 J	0.107
Iron, dissolved (filtered)	mg/L	0.3	0.15	<0.027	<0.010 U	0.0233 J	0.135	<0.010 U	<0.059 U	<0.059 U	<0.059 U	<0.059 U	<0.027
Manganese, total (unfiltered)	µg/L	--	--	1.5	5.2 M	205.	310.	182.	233.	190.	168.	124.	315
Manganese, dissolved (filtered)	µg/L	50.	25.	1.2	123.	113.	200.	92.8	128.	85.8	111.	102.	95.9
Nitrate Nitrogen, total	mg/L	10.	2.	0.12	NA	NA	NA	NA	NA	NA	NA	NA	0.60
Acetylene	µg/L	--	--	NA	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	NA
Ethane	µg/L	--	--	<0.38	<0.60 U	<0.60 U	<0.9 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.38
Ethene	µg/L	--	--	<0.59	<0.90 U	<0.90 U	<1.2 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<1.2 U	<0.59
Methane	µg/L	--	--	0.89	0.37 J	<0.30 U	0.44 J	<0.40 U	0.44 J	<0.40 U	44.	3.2	1.8
Sulfate(as SO ₄)	mg/L	250.	125.	20.	40.	36.	41.	38.	25.	24.	15.	12.	43
Total Organic Carbon	mg/L	--	--	<0.4	5.	1.7	1.4 J	3.3	2.2	4.4	2.1	2.5	0.88
VOCs													
1,1,1,2-Tetrachloroethane	µg/L	70.	7.	<0.013	<0.030 U	<0.030 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013
1,1,1-Trichloroethane	µg/L	200.	40.	<0.013	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.013
1,1,2,2-Tetrachloroethane	µg/L	0.2	0.02	<0.015	<0.020 U	<0.020 U	<0.02 U	<0.020 U	<0.017 U	<0.017 U	<0.017 U	<0.017 U	<0.015
1,1,2-Trichloroethane	µg/L	5.	0.5	<0.036	<0.070 U	<0.070 U	<0.05 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.036
1,1-Dichloroethane	µg/L	850.	85.	<0.017	<0.024 U	<0.024 U	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.017
1,1-Dichloroethene	µg/L	7.	0.7	<0.024	<0.024 U	<0.024 U	<0.07 U	<0.070 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.024
1,1-Dichloropropene	µg/L	--	--	<0.074	<0.080 U	<0.080 U	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.074
1,2,3-Trichlorobenzene	µg/L	--	--	<0.019	<0.040 U	<0.040 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.019
1,2,3-Trichloropropane	µg/L	60.	12.	<0.031	<0.080 U	<0.080 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.031
1,2,4-Trichlorobenzene	µg/L	70.	14.	<0.022	<0.029 U	<0.029 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.022
1,2,4-Trimethylbenzene	µg/L	480.	96.	<0.011	<0.024 U	<0.024 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.011
1,2-Dibromo-3-chloropropane	µg/L	0.2	0.02	<0.12	<0.050 U	<0.050 U	<0.03 U	<0.030 U	<0.090 U	<0.090 U	<0.090 U	<0.090 U	<0.12
1,2-Dibromoethane	µg/L	0.05	0.005	<0.029	<0.040 U	<0.040 U	<0.04 U	<0.040 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.029
1,2-Dichlorobenzene	µg/L	600.	60.	<0.016	<0.025 U	<0.025 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.016
1,2-Dichloroethane	µg/L	5.	0.5	<0.017	<0.024 U	<0.024 U	<0.04 U	<0.040 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.017
1,2-Dichloropropane	µg/L	5.	0.5	<0.013	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.013
1,3,5-Trimethylbenzene	µg/L	480.	96.	<0.013	<0.022 U	<0.022 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.013
1,3-Dichlorobenzene	µg/L	600.	120.	<0.013	<0.021 U	<0.021 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013
1,3-Dichloropropane	µg/L	--	--	<0.020	<0.040 U	<0.040 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.020
1,4-Dichlorobenzene	µg/L	75.	15.	<0.017	<0.026 U	<0.026 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.017
1,4-Dioxane	µg/L	3.	0.3	<7.0	NA	NA	NA	NA	<7.0 U	<7.0 U	<7.0 U	<7.0 U	<7.0
2,2-Dichloropropane	µg/L	--	--	<0.075	<0.022 U	<0.022 U	<0.04 U	<0.040 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.075
2-Butanone (MEK)	µg/L	4000.	800.	<0.31	<0.80 U	<0.80 U	<0.8 U	<0.80 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.31
2-Chlorotoluene	µg/L	--	--	<0.020	<0.025 U	<0.025 U	<0.06 U	<0.060 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.020
2-Hexanone	µg/L	--	--	<0.15	<0.40 U	<0.40 U	<0.4 U	<0.40 U	<0.24 U	<0.24 U	<0.24 U	<0.24 U	<0.15
4-Chlorotoluene	µg/L	--	--	<0.013	<0.029 U	<0.029 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013
4-Methyl-2-pentanone (MIBK)	µg/L	500.	50.	<0.19	<0.26 U	<0.26 U	<0.4 U	<0.40 U	<0.24 U	<0.24 U	<0.24 U	<0.24 U	<0.19

Table 3. Groundwater Quality Data, Oconomowoc Electroplating Company Inc. (OECI) Superfund Site Monitoring Wells

	Date Sampled:			12/1/2021	12/15/2014	5/7/2015	11/04/2015	5/10/2016	11/3/2016	5/11/2017	11/29/2017	11/15/2018	12/2/2021
	Units	NR140 ES	NR140 PAL	OW-6	MW-14DR	MW-14DR	MW-14DR	MW-14DR	MW-14DR	MW-14DR	MW-14DR	MW-14DR	MW-14DR
Acetone	µg/L	9000.	1800.	<0.84	<1.3 UZ	<1.3 U	<0.9 U	<0.90 U	<0.30 U	0.38 JB	<0.30 U	0.31 JB	<0.84
Benzene	µg/L	5.	0.5	<0.022	<0.019 U	<0.019 U	<0.06 U	<0.060 U	<0.018 U	<0.018 U	<0.018 U	<0.018 U	<0.022
Bromobenzene	µg/L	--	--	<0.018	<0.030 U	<0.030 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.018
Bromochloromethane	µg/L	--	--	<0.034	<0.090 U	<0.090 U	<0.017 U	<0.017 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.034
Bromodichloromethane	µg/L	0.6	0.06	<0.019	<0.018 U	<0.018 U	<0.017 U	<0.017 U	<0.016 U	<0.016 U	<0.016 U	<0.016 U	<0.019
Bromoform	µg/L	4.4	0.44	<0.041	<0.060 U	<0.060 U	<0.018 U	<0.018 U	<0.040 UZ	<0.040 U	<0.040 U	<0.040 U	<0.041
Bromomethane	µg/L	10.	1.	<0.052	<0.070 U	70 UQ,M,Y,Z	<0.09 U	<0.090 U	<0.080 U	<0.080 U	<0.080 U	<0.080 UY	<0.052
Carbon disulfide	µg/L	1000.	200.	<0.11	<0.080 U	<0.080 U	<0.11 U	<0.11 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.11
Carbon tetrachloride	µg/L	5.	0.05	<0.018	<0.029 U	<0.029 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.018
Chlorobenzene	µg/L	--	--	<0.013	<0.024 U	<0.024 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013
Chloroethane	µg/L	400.	80.	<0.40	<0.040 U	<0.040 U	<0.06 U	<0.060 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.40
Chloroform	µg/L	6.	0.6	<0.016	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.016
Chloromethane	µg/L	30.	3.	<0.045	0.081 JB	<0.040 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	0.077 J	<0.045
cis-1,2-Dichloroethene	µg/L	70.	7.	<0.023	0.074 J	0.053 J	<0.06 U	<0.060 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.023
cis-1,3-Dichloropropene	µg/L	0.4	0.04	<0.014	<0.020 U	<0.020 U	<0.015 U	<0.015 U	<0.011 U	<0.011 U	<0.011 U	<0.011 U	<0.014
Dibromochloromethane	µg/L	60.	6.	<0.016	<0.040 U	<0.040 U	<0.016 U	<0.016 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.016
Dibromomethane	µg/L	--	--	<0.018	<0.040 U	<0.040 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.018
Dichlorodifluoromethane	µg/L	1000.	200.	<0.091	<0.11 U	<0.11 U	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.091
Diisopropyl ether	µg/L	--	--	<0.02	<0.021 U	<0.021 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.02
Ethylbenzene	µg/L	700.	140.	<0.014	<0.019 U	<0.019 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.014
Hexachlorobutadiene	µg/L	--	--	<0.027	<0.070 U	<0.070 U	<0.07 U	<0.070 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.027
Isopropylbenzene	µg/L	--	--	<0.014	<0.060 U	<0.060 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.014
m & p-Xylene	µg/L	2000.	400.	<0.022	<0.050 U	<0.050 U	<0.12 U	<0.12 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.022
Methyl tert-butyl ether	µg/L	60.	12.	<0.014	<0.040 U	<0.040 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.014
Methylene chloride	µg/L	5.	0.5	<0.090	<0.15 U	<0.15 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 UZYQ	<0.090
Naphthalene	µg/L	100.	10.	<0.025	<0.040 U	<0.040 U	<0.05 U	<0.050 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.025
n-Butylbenzene	µg/L	--	--	<0.021	<0.021 U	<0.021 U	<0.05 U	<0.050 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.021
n-Propylbenzene	µg/L	--	--	<0.013	<0.022 U	<0.022 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013
o-Xylene	µg/L	2000.	400.	<0.016	<0.027 U	<0.027 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.016
p-Isopropyltoluene	µg/L	--	--	<0.016	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.016
sec-Butylbenzene	µg/L	--	--	<0.012	<0.024 U	<0.024 U	<0.05 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.012
Styrene	µg/L	100.	10.	<0.014	<0.020 U	<0.020 U	<0.05 U	<0.050 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.014
tert-Butylbenzene	µg/L	--	--	<0.013	<0.025 U	<0.025 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013
Tetrachloroethene	µg/L	5.	0.05	<0.028	<0.030 U	<0.030 U	<0.06 U	<0.060 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.028
Tetrahydrofuran	µg/L	50.	10.	<0.38	<0.70 U	<0.70 U	<0.6 U	<0.60 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.38
Toluene	µg/L	800.	160.	<0.014	<0.027 U	<0.027 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.014
trans-1,2-Dichloroethene	µg/L	100.	20.	<0.020	<0.040 U	<0.040 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.020
trans-1,3-Dichloropropene	µg/L	0.4	0.04	<0.020	<0.018 U	<0.018 U	<0.014 U	<0.014 U	<0.019 U	<0.019 U	<0.019 U	<0.019 U	<0.020
Trichloroethene	µg/L	5.	0.5	<0.022	0.3	0.19	0.2	0.16	0.061 J	0.18	0.12 J	<0.050 U	0.083
Trichlorofluoromethane	µg/L	--	--	<0.033	<0.024 U	<0.024 U	<0.05 U	<0.050 U	<0.090 U	<0.090 U	<0.090 U	<0.090 U	<0.033
Vinyl acetate	µg/L	--	--	<0.14	<0.60 U	<0.60 U	<0.5 U	<0.50 U	<0.22 U	<0.22 U	<0.22 U	<0.22 U	<0.14
Vinyl chloride	µg/L	0.2	0.02	<0.019	<0.019 U	<0.019 U	<0.016 U	<0.016 U	<0.019 U	<0.019 U	<0.019 U	<0.019 U	<0.019

Table 4. Residential Wells Groundwater Sample Results

Field Parameters	Units	Date Sampled:							
		NR140 ES	NR140 PAL	12/9/2014 PW-03	11/4/2015 PW-03	11/2/2016 PW-03	11/28/2017 PW-03	12/7/2018 PW-03	12/1/2021 PW-03
pH	pH-units	--	--	NA	NA	NA	NA	NA	9.08
Specific Conductivity	umhos/cm	--	--	NA	NA	NA	NA	NA	970.73
Temperature	deg-C	--	--	NA	NA	NA	NA	NA	20.59
VOCs									
1,1,1,2-Tetrachloroethane	µg/L	70.	7.	<0.030 U	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.013
1,1,1-Trichloroethane	µg/L	200.	40.	<0.030 U	<0.06 U	<0.050 U	<0.050 U	<0.050 U	<0.013
1,1,2,2-Tetrachloroethane	µg/L	0.2	0.02	<0.020 U	<0.02 U	<0.017 U	<0.017 U	<0.017 U	<0.015
1,1,2-Trichloroethane	µg/L	5.	0.5	<0.070 U	<0.05 U	<0.050 U	<0.050 U	<0.050 U	<0.036
1,1-Dichloroethane	µg/L	850.	85.	<0.024 U	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.017
1,1-Dichloroethene	µg/L	7.	0.7	<0.024 U	<0.07 U	<0.060 U	<0.060 U	<0.060 U	<0.024
1,1-Dichloropropene	µg/L	--	--	<0.080 U	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.074
1,2,3-Trichlorobenzene	µg/L	--	--	<0.040 U	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.019
1,2,3-Trichloropropane	µg/L	60.	12.	<0.080 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.031
1,2,4-Trichlorobenzene	µg/L	70.	14.	<0.029 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.022
1,2,4-Trimethylbenzene	µg/L	480.	96.	<0.024 U	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.011
1,2-Dibromo-3-chloropropane	µg/L	0.2	0.02	<0.050 U	<0.03 U	<0.090 U	<0.090 U	<0.090 U	<0.12
1,2-Dibromoethane	µg/L	0.05	0.005	<0.040 U	<0.04 U	<0.070 U	<0.070 U	<0.070 U	<0.029
1,2-Dichlorobenzene	µg/L	600.	60.	<0.025 U	<0.06 U	<0.040 U	<0.040 U	<0.040 U	<0.016
1,2-Dichloroethane	µg/L	5.	0.5	<0.031 J	<0.04 U	<0.050 U	<0.050 U	<0.050 U	0.036
1,2-Dichloropropane	µg/L	5.	0.5	<0.030 U	<0.06 U	<0.070 U	<0.070 U	<0.070 U	<0.013
1,3,5-Trimethylbenzene	µg/L	480.	96.	<0.022 U	<0.06 U	<0.050 U	<0.050 U	<0.050 U	<0.013
1,3-Dichlorobenzene	µg/L	600.	120.	<0.021 U	<0.06 U	<0.040 U	<0.040 U	<0.040 U	<0.013
1,3-Dichloropropane	µg/L	--	--	<0.040 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.020
1,4-Dichlorobenzene	µg/L	75.	15.	<0.026 U	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.017
1,4-Dioxane	µg/L	3.	0.3	NA	NA	<7.0 U	<4.0 U	<4.0 U	<0.40
2,2-Dichloropropane	µg/L	--	--	<0.022 U	<0.04 U	<0.050 U	<0.050 U	<0.050 U	<0.075
2-Butanone (MEK)	µg/L	4000.	800.	<0.80 U	<0.8 U	<0.50 U	<0.50 U	<0.50 U	<0.31
2-Chlorotoluene	µg/L	--	--	<0.025 U	<0.06 U	<0.030 U	<0.030 U	<0.030 U	<0.020
2-Hexanone	µg/L	--	--	<0.40 U	<0.4 U	<0.24 U	<0.24 U	<0.24 U	<0.15
4-Chlorotoluene	µg/L	--	--	<0.029 U	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.013
4-Methyl-2-pentanone (MIBK)	µg/L	500.	50.	<0.26 U	<0.4 U	<0.24 U	<0.24 U	<0.24 U	<0.19
Acetone	µg/L	9000.	1800.	<1.3 UZ	<0.9 U	<0.30 U	0.44 JB	<0.30 U	<0.84
Benzene	µg/L	5.	0.5	<0.019 U	<0.06 U	<0.018 U	<0.018 U	<0.018 U	<0.022
Bromobenzene	µg/L	--	--	<0.030 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.018
Bromochloromethane	µg/L	--	--	<0.090 U	<0.017 U	<0.030 U	<0.030 UQ	<0.030 U	<0.034
Bromodichloromethane	µg/L	0.6	0.06	<0.018 U	<0.017 U	<0.016 U	<0.016 U	<0.016 U	<0.019
Bromoform	µg/L	4.4	0.44	<0.060 U	<0.018 U	<0.040 UZ	<0.040 U	<0.040 U	<0.041
Bromomethane	µg/L	10.	1.	<0.070 U	<0.09 U	<0.080 U	<0.080 UZ	<0.080 UY	<0.052
Carbon disulfide	µg/L	1000.	200.	<0.080 U	<0.11 U	<0.070 U	<0.070 U	<0.070 U	<0.11
Carbon tetrachloride	µg/L	5.	0.05	<0.029 U	<0.06 U	<0.050 U	<0.050 U	<0.050 U	<0.018
Chlorobenzene	µg/L	--	--	<0.024 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.013
Chloroethane	µg/L	400.	80.	<0.040 U	<0.06 U	<0.070 U	<0.070 U	<0.070 U	<0.40
Chloroform	µg/L	6.	0.6	<0.030 U	<0.06 U	<0.030 U	<0.030 U	<0.030 U	<0.016
Chloromethane	µg/L	30.	3.	0.054 JB	<0.05 U	0.042 J	<0.040 U	0.086 J	<0.045
cis-1,2-Dichloroethene	µg/L	70.	7.	1.3	1.8	1.4	2.	1.3	3.
cis-1,3-Dichloropropene	µg/L	0.4	0.04	<0.020 U	<0.015 U	<0.011 U	<0.011 U	<0.011 U	<0.014
Dibromochloromethane	µg/L	60.	6.	<0.040 U	<0.016 U	<0.030 U	<0.030 U	<0.030 U	<0.016
Dibromomethane	µg/L	--	--	<0.040 U	<0.06 U	<0.050 U	<0.050 U	<0.050 U	<0.018
Dichlorodifluoromethane	µg/L	1000.	200.	<0.11 U	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.091
Diisopropyl ether	µg/L	--	--	<0.021 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.02
Ethylbenzene	µg/L	700.	140.	<0.019 U	<0.06 U	<0.040 U	<0.040 U	<0.040 U	<0.014
Hexachlorobutadiene	µg/L	--	--	<0.070 U	<0.07 U	<0.050 U	<0.050 U	<0.050 U	<0.027
Isopropylbenzene	µg/L	--	--	<0.060 U	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.014
m & p-Xylene	µg/L	2000.	400.	<0.050 U	<0.12 U	<0.070 U	<0.070 U	<0.070 U	<0.022
Methyl tert-butyl ether	µg/L	60.	12.	0.57	0.6	0.6	0.64	0.52	0.7
Methylene chloride	µg/L	5.	0.5	<0.15 U	<0.06 U	<0.050 U	<0.050 U	<0.050 U	<0.090
n-Butylbenzene	µg/L	--	--	<0.021 U	<0.05 U	<0.030 U	<0.030 U	<0.030 U	<0.021
n-Propylbenzene	µg/L	--	--	<0.022 U	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.013
Naphthalene	µg/L	100.	10.	<0.040 U	<0.05 U	<0.030 U	<0.030 U	<0.030 U	<0.025
o-Xylene	µg/L	2000.	400.	<0.027 U	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.016
p-Isopropyltoluene	µg/L	--	--	<0.030 U	<0.06 U	<0.040 U	<0.040 U	<0.040 U	<0.016
sec-Butylbenzene	µg/L	--	--	<0.024 U	<0.05 U	<0.050 U	<0.050 U	<0.050 U	<0.012
Styrene	µg/L	100.	10.	<0.020 U	<0.05 U	0.11 J	<0.030 U	<0.030 U	<0.014
tert-Butylbenzene	µg/L	--	--	<0.025 U	<0.06 U	<0.040 U	<0.040 U	<0.040 U	<0.013
Tetrachloroethene	µg/L	5.	0.05	<0.030 U	<0.06 U	<0.050 U	<0.050 U	<0.050 U	<0.028
Tetrahydrofuran	µg/L	50.	10.	<0.70 U	<0.6 U	<0.40 U	<0.40 U	<0.40 U	<0.38
Toluene	µg/L	800.	160.	<0.027 U	<0.06 U	<0.040 U	<0.040 U	<0.040 U	<0.014
trans-1,2-Dichloroethene	µg/L	100.	20.	0.074 J	0.088 J	0.066 J	0.091 J	0.064 J	0.12
trans-1,3-Dichloropropene	µg/L	0.4	0.04	<0.018 U	<0.014 U	<0.019 U	<0.019 U	<0.019 U	<0.020
Trichloroethene	µg/L	5.	0.5	0.62	0.69	0.62	0.64	0.38	0.51
Trichlorofluoromethane	µg/L	--	--	<0.024 U	<0.05 U	<0.090 U	<0.090 U	<0.090 U	<0.033
Vinyl acetate	µg/L	--	--	<0.60 U	<0.5 U	<0.22 U	<0.22 U	<0.22 U	<0.14
Vinyl chloride	µg/L	0.2	0.02	<0.019 U	<0.016 U	<0.019 U	<0.019 U	<0.019 U	<0.019

-- = No standard
 NA = Not analyzed
 B = Analyte detected in the associated Method Blank
 J = Estimated value
 Q = Lab control sample outside acceptance limits
 U = Analyte concentration below detection limit
 Y = Replicate/Duplicate precision outside acceptance limits
 Z = Specified calibration criteria not met

Table 4. Residential Wells Groundwater Sample Results

Field Parameters	Date Sampled:							
	Units	NR140 ES	NR140 PAL	PW-04	PW-04	PW-04	PW-05	PW-05
pH	pH-units	--	--	NA	NA	NA	NA	8.41
Specific Conductivity	umhos/cm	--	--	NA	NA	NA	NA	1189
Temperature	deg-C	--	--	NA	NA	NA	NA	20.46
VOCs								
1,1,1,2-Tetrachloroethane	µg/L	70.	7.	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.013
1,1,1-Trichloroethane	µg/L	200.	40.	<0.06 U	<0.050 U	<0.050 U	<0.050 U	<0.013
1,1,2,2-Tetrachloroethane	µg/L	0.2	0.02	<0.02 U	<0.017 U	<0.017 U	<0.017 U	<0.015
1,1,2-Trichloroethane	µg/L	5.	0.5	<0.05 U	<0.050 U	<0.050 U	<0.050 U	<0.036
1,1-Dichloroethane	µg/L	850.	85.	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.036
1,1-Dichloroethene	µg/L	7.	0.7	<0.07 U	<0.060 U	<0.060 U	<0.060 U	<0.024
1,1-Dichloropropene	µg/L	--	--	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.074
1,2,3-Trichlorobenzene	µg/L	--	--	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.019
1,2,3-Trichloropropane	µg/L	60.	12.	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.031
1,2,4-Trichlorobenzene	µg/L	70.	14.	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.022
1,2,4-Trimethylbenzene	µg/L	480.	96.	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.011
1,2-Dibromo-3-chloropropane	µg/L	0.2	0.02	<0.03 U	<0.090 U	<0.090 U	<0.090 U	<0.12
1,2-Dibromoethane	µg/L	0.05	0.005	<0.04 U	<0.070 U	<0.070 U	<0.070 U	<0.029
1,2-Dichlorobenzene	µg/L	600.	60.	<0.06 U	<0.040 U	<0.040 U	<0.040 U	<0.016
1,2-Dichloroethane	µg/L	5.	0.5	<0.04 U	<0.050 U	<0.050 U	<0.050 U	0.035
1,2-Dichloropropane	µg/L	5.	0.5	<0.06 U	<0.070 U	<0.070 U	<0.070 U	<0.013
1,3,5-Trimethylbenzene	µg/L	480.	96.	<0.06 U	<0.050 U	<0.050 U	<0.050 U	<0.013
1,3-Dichlorobenzene	µg/L	600.	120.	<0.06 U	<0.040 U	<0.040 U	<0.040 U	<0.013
1,3-Dichloropropane	µg/L	--	--	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.020
1,4-Dichlorobenzene	µg/L	75.	15.	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.017
1,4-Dioxane	µg/L	3.	0.3	NA	<7.0 U	<4.0 U	<4.0 U	<4.0
2,2-Dichloropropane	µg/L	--	--	<0.04 U	<0.050 U	<0.050 U	<0.050 U	<0.075
2-Butanone (MEK)	µg/L	4000.	800.	<0.8 U	<0.50 U	<0.50 U	<0.50 U	<0.31
2-Chlorotoluene	µg/L	--	--	<0.06 U	<0.030 U	<0.030 U	<0.030 U	<0.020
2-Hexanone	µg/L	--	--	<0.4 U	<0.24 U	<0.24 U	<0.24 U	<0.15
4-Chlorotoluene	µg/L	--	--	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.013
4-Methyl-2-pentanone (MIBK)	µg/L	500.	50.	<0.4 U	<0.24 U	<0.24 U	<0.24 U	<0.19
Acetone	µg/L	9000.	1800.	<0.9 U	<0.30 U	0.35 JB	<0.30 U	<0.84
Benzene	µg/L	5.	0.5	<0.06 U	<0.018 U	<0.018 U	<0.018 U	<0.022
Bromobenzene	µg/L	--	--	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.018
Bromochloromethane	µg/L	--	--	<0.017 U	<0.030 U	<0.030 UQ	<0.030 U	<0.034
Bromodichloromethane	µg/L	0.6	0.06	<0.017 U	<0.016 U	<0.016 U	<0.016 U	<0.019
Bromoform	µg/L	4.4	0.44	<0.018 U	<0.040 U	<0.040 U	<0.040 U	<0.041
Bromomethane	µg/L	10.	1.	<0.09 U	<0.080 UZ	<0.080 UZ	<0.080 UY	<0.052
Carbon disulfide	µg/L	1000.	200.	<0.11 U	<0.070 U	<0.070 U	<0.070 U	<0.11
Carbon tetrachloride	µg/L	5.	0.05	<0.06 U	<0.050 U	<0.050 U	<0.050 U	<0.018
Chlorobenzene	µg/L	--	--	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.013
Chloroethane	µg/L	400.	80.	<0.06 U	<0.070 U	<0.070 U	<0.070 U	<0.40
Chloroform	µg/L	6.	0.6	<0.06 U	<0.030 U	<0.030 U	<0.030 U	<0.016
Chloromethane	µg/L	30.	3.	<0.05 U	<0.040 U	<0.040 U	0.041 J	<0.045
cis-1,2-Dichloroethene	µg/L	70.	7.	1.2	1.4	1.8	1.4	1.9
cis-1,3-Dichloropropene	µg/L	0.4	0.04	<0.015 U	<0.011 U	<0.011 U	<0.011 U	<0.014
Dibromochloromethane	µg/L	60.	6.	<0.016 U	<0.030 U	<0.030 U	<0.030 U	<0.016
Dibromomethane	µg/L	--	--	<0.06 U	<0.050 U	<0.050 U	<0.050 U	<0.018
Dichlorodifluoromethane	µg/L	1000.	200.	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.091
Diisopropyl ether	µg/L	--	--	<0.04 U	0.044 J	0.05 J	0.28	0.3
Ethylbenzene	µg/L	700.	140.	<0.06 U	<0.040 U	<0.040 U	<0.040 U	<0.014
Hexachlorobutadiene	µg/L	--	--	<0.07 U	<0.050 U	<0.050 U	<0.050 U	<0.027
Isopropylbenzene	µg/L	--	--	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.014
m & p-Xylene	µg/L	2000.	400.	<0.12 U	<0.070 U	<0.070 U	<0.070 U	<0.022
Methyl tert-butyl ether	µg/L	60.	12.	0.48	0.55	0.57	0.69	0.71
Methylene chloride	µg/L	5.	0.5	<0.06 U	<0.050 U	<0.050 U	<0.050 UYQ	<0.090
n-Butylbenzene	µg/L	--	--	<0.05 U	<0.030 U	<0.030 U	<0.030 U	<0.021
n-Propylbenzene	µg/L	--	--	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.013
Naphthalene	µg/L	100.	10.	<0.05 U	<0.030 U	<0.030 U	<0.030 U	<0.025
o-Xylene	µg/L	2000.	400.	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.016
p-Isopropyltoluene	µg/L	--	--	<0.06 U	<0.040 U	<0.040 U	<0.040 U	<0.016
sec-Butylbenzene	µg/L	--	--	<0.05 U	<0.050 U	<0.050 U	<0.050 U	<0.012
Styrene	µg/L	100.	10.	<0.05 U	<0.030 U	<0.030 U	<0.030 U	<0.014
tert-Butylbenzene	µg/L	--	--	<0.06 U	<0.040 U	<0.040 U	<0.040 U	<0.013
Tetrachloroethene	µg/L	5.	0.05	<0.06 U	<0.050 U	<0.050 U	<0.050 U	<0.028
Tetrahydrofuran	µg/L	50.	10.	<0.6 U	<0.40 U	<0.40 U	<0.40 U	<0.38
Toluene	µg/L	800.	160.	<0.06 U	<0.040 U	0.069 J	<0.040 U	<0.014
trans-1,2-Dichloroethene	µg/L	100.	20.	0.066 J	0.077 J	0.077 J	0.073 J	0.084
trans-1,3-Dichloropropene	µg/L	0.4	0.04	<0.014 U	<0.019 U	<0.019 U	<0.019 U	<0.020
Trichloroethene	µg/L	5.	0.5	0.086 J	0.089 J	0.097 J	0.12 J	0.097
Trichlorofluoromethane	µg/L	--	--	<0.05 U	<0.090 U	<0.090 U	<0.090 U	<0.033
Vinyl acetate	µg/L	--	--	<0.5 U	<0.22 U	2.5	<0.22 U	0.41
Vinyl chloride	µg/L	0.2	0.02	<0.016 U	<0.019 U	<0.019 U	<0.019 U	<0.019

-- = No standard
 NA = Not analyzed
 B = Analyte detected in the associated Method Blank
 J = Estimated value
 Q = Lab control sample outside acceptance limits
 U = Analyte concentration below detection limit
 Y = Replicate/Duplicate precision outside acceptance limits
 Z = Specified calibration criteria not met

Table 4. Residential Wells Groundwater Sample Results

Field Parameters	Date Sampled:								
	Units	NR140 ES	NR140 PAL	PW-07	PW-07	PW-07	PW-07	PW-07	PW-07
pH	pH-units	--	--	NA	NA	NA	NA	NA	7.81
Specific Conductivity	umhos/cm	--	--	NA	NA	NA	NA	NA	1032.6
Temperature	deg-C	--	--	NA	NA	NA	NA	NA	10.42
VOCs									
1,1,1,2-Tetrachloroethane	µg/L	70.	7.	<0.030 U	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.013 U
1,1,1-Trichloroethane	µg/L	200.	40.	<0.030 U	<0.06 U	<0.050 U	<0.050 U	<0.050 U	<0.013 U
1,1,2,2-Tetrachloroethane	µg/L	0.2	0.02	<0.020 U	<0.02 U	<0.017 U	<0.017 U	<0.017 U	<0.015 U
1,1,2-Trichloroethane	µg/L	5.	0.5	<0.070 U	<0.05 U	<0.050 U	<0.050 U	<0.050 U	<0.036 U
1,1-Dichloroethane	µg/L	850.	85.	<0.024 U	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.036 U
1,1-Dichloroethene	µg/L	7.	0.7	<0.024 U	<0.07 U	<0.060 U	<0.060 U	<0.060 U	<0.024 U
1,1-Dichloropropene	µg/L	--	--	<0.080 U	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.074 U
1,2,3-Trichlorobenzene	µg/L	--	--	<0.040 U	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.019 U
1,2,3-Trichloropropane	µg/L	60.	12.	<0.080 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.031 U
1,2,4-Trichlorobenzene	µg/L	70.	14.	<0.029 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.022 U
1,2,4-Trimethylbenzene	µg/L	480.	96.	<0.024 U	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.011 U
1,2-Dibromo-3-chloropropane	µg/L	0.2	0.02	<0.050 U	<0.03 U	<0.090 U	<0.090 U	<0.090 U	<0.12 U
1,2-Dibromoethane	µg/L	0.05	0.005	<0.040 U	<0.04 U	<0.070 U	<0.070 U	<0.070 U	<0.029 U
1,2-Dichlorobenzene	µg/L	600.	60.	<0.025 U	<0.06 U	<0.040 U	<0.040 U	<0.040 U	<0.016 U
1,2-Dichloroethane	µg/L	5.	0.5	<0.024 U	<0.04 U	<0.050 U	<0.050 U	<0.050 U	0.035 J
1,2-Dichloropropane	µg/L	5.	0.5	<0.030 U	<0.06 U	<0.070 U	<0.070 U	<0.070 U	<0.013 U
1,3,5-Trimethylbenzene	µg/L	480.	96.	<0.022 U	<0.06 U	<0.050 U	<0.050 U	<0.050 U	<0.013 U
1,3-Dichlorobenzene	µg/L	600.	120.	<0.021 U	<0.06 U	<0.040 U	<0.040 U	<0.040 U	<0.013 U
1,3-Dichloropropane	µg/L	--	--	<0.040 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.020 U
1,4-Dichlorobenzene	µg/L	75.	15.	<0.026 U	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.017 U
1,4-Dioxane	µg/L	3.	0.3	NA	NA	<7.0 U	<4.0 U	<4.0 U	0.46 J
2,2-Dichloropropane	µg/L	--	--	<0.022 U	<0.04 U	<0.050 U	<0.050 U	<0.050 U	<0.075 U
2-Butanone (MEK)	µg/L	4000.	800.	<0.80 U	<0.8 U	<0.50 U	<0.50 U	<0.50 U	<0.31 U
2-Chlorotoluene	µg/L	--	--	<0.025 U	<0.06 U	<0.030 U	<0.030 U	<0.030 U	<0.020 U
2-Hexanone	µg/L	--	--	<0.40 U	<0.4 U	<0.24 U	<0.24 U	<0.24 U	<0.15 U
4-Chlorotoluene	µg/L	--	--	<0.029 U	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.013 U
4-Methyl-2-pentanone (MIBK)	µg/L	500.	50.	<0.26 U	<0.4 U	<0.24 U	<0.24 U	<0.24 U	<0.19 U
Acetone	µg/L	9000.	1800.	<1.3 UZ	<0.9 U	<0.30 U	0.37 JB	0.44 JB	<0.084 U
Benzene	µg/L	5.	0.5	<0.019 U	<0.06 U	<0.018 U	<0.018 U	<0.018 U	<0.022 U
Bromobenzene	µg/L	--	--	<0.030 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.018 U
Bromochloromethane	µg/L	--	--	<0.090 U	<0.017 U	<0.030 U	<0.030 UQ	<0.030 U	<0.034 U
Bromodichloromethane	µg/L	0.6	0.06	<0.018 U	<0.017 U	<0.016 U	<0.016 U	<0.016 U	<0.019 U
Bromoform	µg/L	4.4	0.44	<0.060 U	<0.018 U	<0.040 U	<0.040 U	<0.040 U	<0.041 U
Bromomethane	µg/L	10.	1.	<0.070 U	<0.09 U	<0.080 UZ	<0.080 UZ	<0.080 UQY	<0.052 U
Carbon disulfide	µg/L	1000.	200.	<0.080 U	<0.11 U	<0.070 U	<0.070 U	<0.070 U	<0.11 U
Carbon tetrachloride	µg/L	5.	0.05	<0.029 U	<0.06 U	<0.050 U	<0.050 U	<0.050 U	<0.018 U
Chlorobenzene	µg/L	--	--	<0.024 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.013 U
Chloroethane	µg/L	400.	80.	<0.040 U	<0.06 U	<0.070 U	<0.070 U	<0.070 U	<0.40 U
Chloroform	µg/L	6.	0.6	<0.030 U	<0.06 U	<0.030 U	<0.030 U	<0.030 U	<0.016 U
Chloromethane	µg/L	30.	3.	0.056 JB	<0.05 U	<0.040 U	<0.040 U	0.051 J	<0.045 U
cis-1,2-Dichloroethene	µg/L	70.	7.	0.34	3.	4.3	4.9	4.4	5.4
cis-1,3-Dichloropropene	µg/L	0.4	0.04	<0.020 U	<0.015 U	<0.011 U	<0.011 U	<0.011 U	<0.014 U
Dibromochloromethane	µg/L	60.	6.	<0.040 U	<0.016 U	<0.030 U	<0.030 U	<0.030 U	<0.016 U
Dibromomethane	µg/L	--	--	<0.040 U	<0.06 U	<0.050 U	<0.050 U	<0.050 U	<0.018 U
Dichlorodifluoromethane	µg/L	1000.	200.	<0.11 U	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.091 U
Diisopropyl ether	µg/L	--	--	<0.021 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.02 U
Ethylbenzene	µg/L	700.	140.	<0.019 U	<0.06 U	<0.040 U	<0.040 U	<0.040 U	<0.014 U
Hexachlorobutadiene	µg/L	--	--	<0.070 U	<0.07 U	<0.050 U	<0.050 U	<0.050 U	<0.027 U
Isopropylbenzene	µg/L	--	--	<0.060 U	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.014 U
m & p-Xylene	µg/L	2000.	400.	<0.050 U	<0.12 U	<0.070 U	<0.070 U	<0.070 U	<0.022 U
Methyl tert-butyl ether	µg/L	60.	12.	0.33	0.5	0.63	0.56	0.71	0.67
Methylene chloride	µg/L	5.	0.5	<0.15 U	<0.06 U	<0.050 U	<0.050 U	<0.050 UQZ	<0.090 U
n-Butylbenzene	µg/L	--	--	<0.021 U	<0.05 U	<0.030 U	<0.030 U	<0.030 U	<0.021 U
n-Propylbenzene	µg/L	--	--	<0.022 U	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.013 U
Naphthalene	µg/L	100.	10.	<0.040 U	<0.05 U	<0.030 U	<0.030 U	<0.030 U	<0.025 U
o-Xylene	µg/L	2000.	400.	<0.027 U	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.016 U
p-Isopropyltoluene	µg/L	--	--	<0.030 U	<0.06 U	<0.040 U	<0.040 U	<0.040 U	<0.016 U
sec-Butylbenzene	µg/L	--	--	<0.024 U	<0.05 U	<0.050 U	<0.050 U	<0.050 U	<0.012 U
Styrene	µg/L	100.	10.	<0.020 U	<0.05 U	<0.030 U	<0.030 U	<0.030 U	<0.014 U
tert-Butylbenzene	µg/L	--	--	<0.025 U	<0.06 U	<0.040 U	<0.040 U	<0.040 U	<0.013 U
Tetrachloroethene	µg/L	5.	0.05	<0.030 U	<0.06 U	<0.050 U	<0.050 U	<0.050 U	<0.028 U
Tetrahydrofuran	µg/L	50.	10.	<0.70 U	<0.6 U	0.44 J	<0.40 U	<0.40 U	<0.38 U
Toluene	µg/L	800.	160.	<0.027 U	<0.06 U	<0.040 U	<0.040 U	<0.040 U	<0.014 U
trans-1,2-Dichloroethene	µg/L	100.	20.	<0.040 U	0.13 J	0.17	0.22	0.21	0.21
trans-1,3-Dichloropropene	µg/L	0.4	0.04	<0.018 U	<0.014 U	<0.019 U	<0.019 U	<0.019 U	<0.020 U
Trichloroethene	µg/L	5.	0.5	<0.020 U	0.031 J	<0.050 U	<0.050 U	<0.050 U	0.039 J
Trichlorofluoromethane	µg/L	--	--	<0.024 U	<0.05 U	<0.090 U	<0.090 U	<0.090 U	<0.033 U
Vinyl acetate	µg/L	--	--	<0.60 U	<0.5 U	<0.22 U	<0.22 U	<0.22 U	<0.14 U
Vinyl chloride	µg/L	0.2	0.02	0.05 J	0.053	0.041 J	0.036 J	0.038 J	0.038 J

-- = No standard
 NA = Not analyzed
 B = Analyte detected in the associated Method Blank
 J = Estimated value
 Q = Lab control sample outside acceptance limits
 U = Analyte concentration below detection limit
 Y = Replicate/Duplicate precision outside acceptance limits
 Z = Specified calibration criteria not met

Table 4. Residential Wells Groundwater Sample Results

Field Parameters	Units	Date Sampled:							
		NR140 ES	NR140 PAL	PW-08	PW-08	PW-08	PW-08	PW-08	PW-08
pH	pH-units	--	--	NA	NA	NA	NA	NA	7.78
Specific Conductivity	umhos/cm	--	--	NA	NA	NA	NA	NA	1018.7
Temperature	deg-C	--	--	NA	NA	NA	NA	NA	10.55
VOCs									
1,1,1,2-Tetrachloroethane	µg/L	70.	7.	<0.030 U	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.013
1,1,1-Trichloroethane	µg/L	200.	40.	<0.030 U	<0.06 U	<0.050 U	<0.050 U	<0.050 U	<0.013
1,1,2,2-Tetrachloroethane	µg/L	0.2	0.02	<0.020 U	<0.02 U	<0.017 U	<0.017 U	<0.017 U	<0.015
1,1,2-Trichloroethane	µg/L	5.	0.5	<0.070 U	<0.05 U	<0.050 U	<0.050 U	<0.050 U	<0.036
1,1-Dichloroethane	µg/L	850.	85.	<0.024 U	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.036
1,1-Dichloroethene	µg/L	7.	0.7	<0.024 U	<0.07 U	<0.060 U	<0.060 U	<0.060 U	<0.024
1,1-Dichloropropene	µg/L	--	--	<0.080 U	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.074
1,2,3-Trichlorobenzene	µg/L	--	--	<0.040 U	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.019
1,2,3-Trichloropropane	µg/L	60.	12.	<0.080 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.031
1,2,4-Trichlorobenzene	µg/L	70.	14.	<0.029 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.022
1,2,4-Trimethylbenzene	µg/L	480.	96.	<0.024 U	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.011
1,2-Dibromo-3-chloropropane	µg/L	0.2	0.02	<0.050 U	<0.03 U	<0.090 U	<0.090 U	<0.090 U	<0.12
1,2-Dibromoethane	µg/L	0.05	0.005	<0.040 U	<0.04 U	<0.070 U	<0.070 U	<0.070 U	<0.029
1,2-Dichlorobenzene	µg/L	600.	60.	<0.025 U	<0.06 U	<0.040 U	<0.040 U	<0.040 U	<0.016
1,2-Dichloroethane	µg/L	5.	0.5	<0.024 U	<0.04 U	<0.050 U	<0.050 U	<0.050 U	<0.017
1,2-Dichloropropane	µg/L	5.	0.5	<0.030 U	<0.06 U	<0.070 U	<0.070 U	<0.070 U	<0.013
1,3,5-Trimethylbenzene	µg/L	480.	96.	<0.022 U	<0.06 U	<0.050 U	<0.050 U	<0.050 U	<0.013
1,3-Dichlorobenzene	µg/L	600.	120.	<0.021 U	<0.06 U	<0.040 U	<0.040 U	<0.040 U	<0.013
1,3-Dichloropropane	µg/L	--	--	<0.040 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.020
1,4-Dichlorobenzene	µg/L	75.	15.	<0.026 U	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.017
1,4-Dioxane	µg/L	3.	0.3	NA	NA	<7.0 UM	<0.40 U	<0.40 U	0.44 J
2,2-Dichloropropane	µg/L	--	--	<0.022 U	<0.04 U	<0.050 U	<0.050 U	<0.050 U	<0.075
2-Butanone (MEK)	µg/L	4000.	800.	<0.80 U	<0.8 U	<0.50 U	<0.50 U	<0.50 U	<0.31
2-Chlorotoluene	µg/L	--	--	<0.025 U	<0.06 U	<0.030 U	<0.030 U	<0.030 U	<0.020
2-Hexanone	µg/L	--	--	<0.40 U	<0.4 U	<0.24 U	<0.24 U	<0.24 U	<0.15
4-Chlorotoluene	µg/L	--	--	<0.029 U	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.013
4-Methyl-2-pentanone (MIBK)	µg/L	500.	50.	<0.26 U	<0.4 U	<0.24 U	<0.24 U	<0.24 U	<0.19
Acetone	µg/L	9000.	1800.	<1.3 UZ	<0.9 U	<0.30 U	0.52 JB	0.43 JB	<0.84
Benzene	µg/L	5.	0.5	<0.019 U	<0.06 U	<0.018 U	<0.018 U	<0.018 U	<0.022
Bromobenzene	µg/L	--	--	<0.030 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.018
Bromochloromethane	µg/L	--	--	<0.090 U	<0.017 U	<0.030 U	<0.030 U	<0.030 U	<0.034
Bromodichloromethane	µg/L	0.6	0.06	<0.018 U	<0.017 U	<0.016 U	<0.016 U	<0.016 U	<0.019
Bromoform	µg/L	4.4	0.44	<0.060 U	<0.018 U	<0.040 U	<0.040 U	<0.040 U	<0.041
Bromomethane	µg/L	10.	1.	<0.070 U	<0.09 U	<0.080 UZ	<0.080 U	<0.080 UQY	<0.052
Carbon disulfide	µg/L	1000.	200.	<0.080 U	<0.11 U	<0.070 U	<0.070 U	<0.070 U	<0.11
Carbon tetrachloride	µg/L	5.	0.05	<0.029 U	<0.06 U	<0.050 U	<0.050 U	<0.050 U	<0.018
Chlorobenzene	µg/L	--	--	<0.024 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.013
Chloroethane	µg/L	400.	80.	<0.040 U	<0.06 U	<0.070 U	<0.070 U	<0.070 U	<0.40
Chloroform	µg/L	6.	0.6	<0.030 U	<0.06 U	<0.030 U	<0.030 U	<0.030 U	<0.016
Chloromethane	µg/L	30.	3.	0.06 JB	<0.05 U	<0.040 U	<0.040 U	0.072 J	<0.045
cis-1,2-Dichloroethene	µg/L	70.	7.	2.2	2.3	2.3	3.	2.6	3.1
cis-1,3-Dichloropropene	µg/L	0.4	0.04	<0.020 U	<0.015 U	<0.011 U	<0.011 U	<0.011 U	<0.014
Dibromochloromethane	µg/L	60.	6.	<0.040 U	<0.016 U	<0.030 U	<0.030 U	<0.030 U	<0.016
Dibromomethane	µg/L	--	--	<0.040 U	<0.06 U	<0.050 U	<0.050 U	<0.050 U	<0.018
Dichlorodifluoromethane	µg/L	1000.	200.	<0.11 U	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.091
Diisopropyl ether	µg/L	--	--	<0.021 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	0.052
Ethylbenzene	µg/L	700.	140.	<0.019 U	<0.06 U	<0.040 U	<0.040 U	<0.040 U	<0.014
Hexachlorobutadiene	µg/L	--	--	<0.070 U	<0.07 U	<0.050 U	<0.050 U	<0.050 U	<0.027
Isopropylbenzene	µg/L	--	--	<0.060 U	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.014
m & p-Xylene	µg/L	2000.	400.	<0.050 U	<0.12 U	<0.070 U	<0.070 U	<0.070 U	<0.022
Methyl tert-butyl ether	µg/L	60.	12.	0.57	0.57	0.67	0.65	0.72	0.8
Methylene chloride	µg/L	5.	0.5	<0.15 U	<0.06 U	<0.050 U	<0.050 U	<0.050 UQZ	<0.090
n-Butylbenzene	µg/L	--	--	<0.021 U	<0.05 U	<0.030 U	<0.030 U	<0.030 U	<0.021
n-Propylbenzene	µg/L	--	--	<0.022 U	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.013
Naphthalene	µg/L	100.	10.	<0.040 U	<0.05 U	<0.030 U	<0.030 U	<0.030 U	<0.025
o-Xylene	µg/L	2000.	400.	<0.027 U	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.016
p-Isopropyltoluene	µg/L	--	--	<0.030 U	<0.06 U	<0.040 U	<0.040 U	<0.040 U	<0.016
sec-Butylbenzene	µg/L	--	--	<0.024 U	<0.05 U	<0.050 U	<0.050 U	<0.050 U	<0.012
Styrene	µg/L	100.	10.	<0.020 U	<0.05 U	<0.030 U	<0.030 U	<0.030 U	<0.014
tert-Butylbenzene	µg/L	--	--	<0.025 U	<0.06 U	<0.040 U	<0.040 U	<0.040 U	<0.013
Tetrachloroethene	µg/L	5.	0.05	<0.030 U	<0.06 U	<0.050 U	<0.050 U	<0.050 U	<0.028
Tetrahydrofuran	µg/L	50.	10.	<0.70 U	<0.6 U	<0.40 U	<0.40 U	<0.40 U	<0.38
Toluene	µg/L	800.	160.	<0.027 U	<0.06 U	<0.040 U	<0.040 U	<0.040 U	<0.014
trans-1,2-Dichloroethene	µg/L	100.	20.	0.094 J	0.1 J	0.12 J	0.1 J	0.11 J	0.12
trans-1,3-Dichloropropene	µg/L	0.4	0.04	<0.018 U	<0.014 U	<0.019 U	<0.019 U	<0.019 U	<0.020
Trichloroethene	µg/L	5.	0.5	0.083	0.069 J	0.11 J	0.1 J	0.089 J	0.074
Trichlorofluoromethane	µg/L	--	--	<0.024 U	<0.05 U	<0.090 U	<0.090 U	<0.090 U	<0.033
Vinyl acetate	µg/L	--	--	<0.60 U	<0.5 U	<0.22 U	<0.22 U	<0.22 U	<0.14
Vinyl chloride	µg/L	0.2	0.02	0.045 J	0.043 J	<0.019 U	0.036 J	0.039 J	0.041

-- = No standard
 NA = Not analyzed
 B = Analyte detected in the associated Method Blank
 J = Estimated value
 Q = Lab control sample outside acceptance limits
 U = Analyte concentration below detection limit
 Y = Replicate/Duplicate precision outside acceptance limits
 Z = Specified calibration criteria not met

Table 4. Residential Wells Groundwater Sample Results

Field Parameters	Date Sampled:									
	Units	NR140 ES	NR140 PAL	PW-09	PW-09	PW-09	PW-09	PW-09 Dup	PW-09	PW-09
pH	pH-units	--	--	NA	NA	NA	NA	NA	NA	7.78
Specific Conductivity	umhos/cm	--	--	NA	NA	NA	NA	NA	NA	998.19
Temperature	deg-C	--	--	NA	NA	NA	NA	NA	NA	10.81
VOCs										
1,1,1,2-Tetrachloroethane	µg/L	70.	7.	<0.030 U	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013
1,1,1-Trichloroethane	µg/L	200.	40.	<0.030 U	<0.06 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.013
1,1,2,2-Tetrachloroethane	µg/L	0.2	0.02	<0.020 U	<0.02 U	<0.017 U	<0.017 U	<0.017 U	<0.017 U	<0.015
1,1,2-Trichloroethane	µg/L	5.	0.5	<0.070 U	<0.05 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.036
1,1-Dichloroethane	µg/L	850.	85.	<0.024 U	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.036
1,1-Dichloroethene	µg/L	7.	0.7	<0.024 U	<0.07 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.024
1,1-Dichloropropene	µg/L	--	--	<0.080 U	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.074
1,2,3-Trichlorobenzene	µg/L	--	--	<0.040 U	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.019
1,2,3-Trichloropropane	µg/L	60.	12.	<0.080 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.031
1,2,4-Trichlorobenzene	µg/L	70.	14.	<0.029 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.022
1,2,4-Trimethylbenzene	µg/L	480.	96.	<0.024 U	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.011
1,2-Dibromo-3-chloropropane	µg/L	0.2	0.02	<0.050 U	<0.03 U	<0.090 U	<0.090 U	<0.090 U	<0.090 U	<0.12
1,2-Dibromoethane	µg/L	0.05	0.005	<0.040 U	<0.04 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.029
1,2-Dichlorobenzene	µg/L	600.	60.	<0.025 U	<0.06 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.016
1,2-Dichloroethane	µg/L	5.	0.5	0.041 J	0.048 J	<0.050 U	<0.050 U	<0.050 U	<0.050 U	0.04
1,2-Dichloropropane	µg/L	5.	0.5	<0.030 U	<0.06 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.013
1,3,5-Trimethylbenzene	µg/L	480.	96.	<0.022 U	<0.06 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.013
1,3-Dichlorobenzene	µg/L	600.	120.	<0.021 U	<0.06 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013
1,3-Dichloropropane	µg/L	--	--	<0.040 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.075
1,4-Dichlorobenzene	µg/L	75.	15.	<0.026 U	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.017
1,4-Dioxane	µg/L	3.	0.3	NA	NA	<7.0 U	<4.0 U	<4.0 U	<4.0 U	<0.40
2,2-Dichloropropane	µg/L	--	--	<0.022 U	<0.04 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.075
2-Butanone (MEK)	µg/L	4000.	800.	<0.80 U	<8 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.31
2-Chlorotoluene	µg/L	--	--	<0.025 U	<0.06 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.020
2-Hexanone	µg/L	--	--	<0.40 U	<4 U	<0.24 U	<0.24 U	<0.24 U	<0.24 U	<0.15
4-Chlorotoluene	µg/L	--	--	<0.029 U	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013
4-Methyl-2-pentanone (MIBK)	µg/L	500.	50.	<0.26 U	<4 U	<0.24 U	<0.24 U	<0.24 U	<0.24 U	<0.19
Acetone	µg/L	9000.	1800.	<1.3 UZ	<9 U	<0.30 U	0.38 JB	<0.30 U	0.45 JB	<0.84
Benzene	µg/L	5.	0.5	<0.019 U	<0.06 U	0.025 J	<0.018 U	<0.018 U	<0.018 U	<0.022
Bromobenzene	µg/L	--	--	<0.030 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.018
Bromochloromethane	µg/L	--	--	<0.090 U	<0.017 U	<0.030 U	<0.030 UQ	<0.030 UQ	<0.030 UQ	<0.034
Bromodichloromethane	µg/L	0.6	0.06	<0.018 U	<0.017 U	<0.016 U	<0.016 U	<0.016 U	<0.016 U	<0.019
Bromoform	µg/L	4.4	0.44	<0.060 U	<0.018 U	<0.040 UZ	<0.040 U	<0.040 U	<0.040 U	<0.041
Bromomethane	µg/L	10.	1.	<0.070 U	<0.09 U	<0.080 UM	<0.080 UZ	<0.080 UZ	<0.080 UQY	<0.052
Carbon disulfide	µg/L	1000.	200.	<0.080 U	<0.11 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.11
Carbon tetrachloride	µg/L	5.	0.05	<0.029 U	<0.06 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.018
Chlorobenzene	µg/L	--	--	<0.024 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013
Chloroethane	µg/L	400.	80.	<0.040 U	<0.06 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.40
Chloroform	µg/L	6.	0.6	<0.030 U	<0.06 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.016
Chloromethane	µg/L	30.	3.	0.055 JB	<0.05 U	<0.040 U	<0.040 U	<0.040 U	0.1 J	<0.045
cis-1,2-Dichloroethene	µg/L	70.	7.	5.6	6.	5.3	7.4	7.	5.2	7.
cis-1,3-Dichloropropene	µg/L	0.4	0.04	<0.020 U	<0.015 U	<0.011 U	<0.011 U	<0.011 U	<0.011 U	<0.014
Dibromochloromethane	µg/L	60.	6.	<0.040 U	<0.016 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.016
Dibromomethane	µg/L	--	--	<0.040 U	<0.06 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.018
Dichlorodifluoromethane	µg/L	1000.	200.	<0.11 U	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.091
Diisopropyl ether	µg/L	--	--	<0.021 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	0.028
Ethylbenzene	µg/L	700.	140.	<0.019 U	<0.06 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.014
Hexachlorobutadiene	µg/L	--	--	<0.070 U	<0.07 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.027
Isopropylbenzene	µg/L	--	--	<0.060 U	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.014
m & p-Xylene	µg/L	2000.	400.	<0.050 U	<0.12 U	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.022
Methyl tert-butyl ether	µg/L	60.	12.	0.63	0.62	0.65	0.66	0.67	0.72	0.8
Methylene chloride	µg/L	5.	0.5	<0.15 U	<0.06 U	<0.050 U	<0.050 U	<0.050 U	<0.050 UQZ	<0.090
n-Butylbenzene	µg/L	--	--	<0.021 U	<0.05 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.021
n-Propylbenzene	µg/L	--	--	<0.022 U	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013
Naphthalene	µg/L	100.	10.	<0.040 U	<0.05 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.025
o-Xylene	µg/L	2000.	400.	<0.027 U	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.016
p-Isopropyltoluene	µg/L	--	--	<0.030 U	<0.06 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.016
sec-Butylbenzene	µg/L	--	--	<0.024 U	<0.05 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.012
Styrene	µg/L	100.	10.	<0.020 U	<0.05 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.014
tert-Butylbenzene	µg/L	--	--	<0.025 U	<0.06 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013
Tetrachloroethene	µg/L	5.	0.05	<0.030 U	<0.06 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.028
Tetrahydrofuran	µg/L	50.	10.	<0.70 U	<0.6 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.38
Toluene	µg/L	800.	160.	0.088 J	0.083 J	0.13 J	<0.040 U	<0.040 U	0.041 J	<0.014
trans-1,2-Dichloroethene	µg/L	100.	20.	0.23	0.26	0.22	0.32	0.31	0.25	0.27
trans-1,3-Dichloropropene	µg/L	0.4	0.04	<0.018 U	<0.014 U	<0.019 U	<0.019 U	<0.019 U	<0.019 U	<0.020
Trichloroethene	µg/L	5.	0.5	0.06 J	0.068 J	0.066 J	0.082 J	0.061 J	0.071 J	0.059
Trichlorofluoromethane	µg/L	--	--	<0.024 U	<0.05 U	<0.090 U	<0.090 U	<0.090 U	<0.090 U	<0.033
Vinyl acetate	µg/L	--	--	<0.60 U	<0.5 U	<0.22 U	<0.22 U	<0.22 U	<0.22 U	<0.14
Vinyl chloride	µg/L	0.2	0.02	0.056 J	0.055	<0.019 U	0.037 J	0.031 J	0.035 J	0.037

-- = No standard
 NA = Not analyzed
 B = Analyte detected in the associated Method Blank
 J = Estimated value
 Q = Lab control sample outside acceptance limits
 U = Analyte concentration below detection limit
 Y = Replicate/Duplicate precision outside acceptance limits
 Z = Specified calibration criteria not met

Table 4. Residential Wells Groundwater Sample Results

Field Parameters	Date Sampled:								
	Units	NR140 ES	NR140 PAL	PW-10	PW-10	PW-10	PW-10	PW-10	PW-10
pH	pH-units	--	--	NA	NA	NA	NA	NA	7.67
Specific Conductivity	umhos/cm	--	--	NA	NA	NA	NA	NA	1218.4
Temperature	deg-C	--	--	NA	NA	NA	NA	NA	11.14
VOCs									
1,1,1,2-Tetrachloroethane	µg/L	70.	7.	<0.030 U	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.013
1,1,1-Trichloroethane	µg/L	200.	40.	<0.030 U	<0.06 U	<0.050 U	<0.050 U	<0.050 U	<0.013
1,1,2,2-Tetrachloroethane	µg/L	0.2	0.02	<0.020 U	<0.02 U	<0.017 U	<0.017 U	<0.017 U	<0.015
1,1,2-Trichloroethane	µg/L	5.	0.5	<0.070 U	<0.05 U	<0.050 U	<0.050 U	<0.050 U	<0.036
1,1-Dichloroethane	µg/L	850.	85.	<0.024 U	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.017
1,1-Dichloroethene	µg/L	7.	0.7	<0.024 U	<0.07 U	<0.060 U	<0.060 U	<0.060 U	<0.024
1,1-Dichloropropene	µg/L	--	--	<0.080 U	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.074
1,2,3-Trichlorobenzene	µg/L	--	--	<0.040 U	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.019
1,2,3-Trichloropropane	µg/L	60.	12.	<0.080 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.031
1,2,4-Trichlorobenzene	µg/L	70.	14.	<0.029 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.022
1,2,4-Trimethylbenzene	µg/L	480.	96.	<0.024 U	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.011
1,2-Dibromo-3-chloropropane	µg/L	0.2	0.02	<0.050 U	<0.03 U	<0.090 U	<0.090 U	<0.090 U	<0.12
1,2-Dibromoethane	µg/L	0.05	0.005	<0.040 U	<0.04 U	<0.070 U	<0.070 U	<0.070 U	<0.029
1,2-Dichlorobenzene	µg/L	600.	60.	<0.025 U	<0.06 U	<0.040 U	<0.040 U	<0.040 U	<0.016
1,2-Dichloroethane	µg/L	5.	0.5	<0.024 U	<0.04 U	<0.050 U	<0.050 U	<0.050 U	<0.017
1,2-Dichloropropane	µg/L	5.	0.5	<0.030 U	<0.06 U	<0.070 U	<0.070 U	<0.070 U	<0.013
1,3,5-Trimethylbenzene	µg/L	480.	96.	<0.022 U	<0.06 U	<0.050 U	<0.050 U	<0.050 U	<0.013
1,3-Dichlorobenzene	µg/L	600.	120.	<0.021 U	<0.06 U	<0.040 U	<0.040 U	<0.040 U	<0.013
1,3-Dichloropropane	µg/L	--	--	<0.040 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.020
1,4-Dichlorobenzene	µg/L	75.	15.	<0.026 U	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.017
1,4-Dioxane	µg/L	3.	0.3	NA	NA	<7.0 U	<4.0 U	<4.0 U	0.40 J
2,2-Dichloropropane	µg/L	--	--	<0.022 U	<0.04 U	<0.050 U	<0.050 U	<0.050 U	<0.075
2-Butanone (MEK)	µg/L	4000.	800.	<0.80 U	<8 U	<0.50 U	<0.50 U	<0.50 U	<0.31
2-Chlorotoluene	µg/L	--	--	<0.025 U	<0.06 U	<0.030 U	<0.030 U	<0.030 U	<0.020
2-Hexanone	µg/L	--	--	<0.40 U	<0.4 U	<0.24 U	<0.24 U	<0.24 U	<0.15
4-Chlorotoluene	µg/L	--	--	<0.029 U	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.013
4-Methyl-2-pentanone (MIBK)	µg/L	500.	50.	<0.26 U	<4 U	<0.24 U	<0.24 U	<0.24 U	<0.19
Acetone	µg/L	9000.	1800.	<1.3 UZ	<9 U	<0.30 U	<0.30 U	<0.46 JB	<0.84
Benzene	µg/L	5.	0.5	<0.019 U	<0.06 U	<0.018 U	<0.018 U	<0.018 U	<0.022
Bromobenzene	µg/L	--	--	<0.030 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.018
Bromochloromethane	µg/L	--	--	<0.090 U	<0.017 U	<0.030 U	<0.030 U	<0.030 U	<0.034
Bromodichloromethane	µg/L	0.6	0.06	<0.018 U	<0.017 U	<0.016 U	<0.016 U	<0.016 U	<0.019
Bromoform	µg/L	4.4	0.44	<0.060 U	<0.018 U	<0.040 U	<0.040 U	<0.040 U	<0.041
Bromomethane	µg/L	10.	1.	<0.070 U	<0.09 U	<0.080 UZ	<0.080 UZ	<0.080 UQY	<0.052
Carbon disulfide	µg/L	1000.	200.	<0.080 U	<0.11 U	<0.070 U	<0.070 U	<0.070 U	<0.11
Carbon tetrachloride	µg/L	5.	0.05	<0.029 U	<0.06 U	<0.050 U	<0.050 U	<0.050 U	<0.018
Chlorobenzene	µg/L	--	--	<0.024 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.013
Chloroethane	µg/L	400.	80.	<0.040 U	<0.06 U	<0.070 U	<0.070 U	<0.070 U	<0.40
Chloroform	µg/L	6.	0.6	<0.030 U	<0.06 U	<0.030 U	<0.030 U	<0.030 U	<0.016
Chloromethane	µg/L	30.	3.	0.046 JB	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.045
cis-1,2-Dichloroethene	µg/L	70.	7.	0.097 J	0.11 J	0.11 J	0.18 J	0.16 J	0.24
cis-1,3-Dichloropropene	µg/L	0.4	0.04	<0.020 U	<0.015 U	<0.011 U	<0.011 U	<0.011 U	<0.014
Dibromochloromethane	µg/L	60.	6.	<0.040 U	<0.016 U	<0.030 U	<0.030 U	<0.030 U	<0.016
Dibromomethane	µg/L	--	--	<0.040 U	<0.06 U	<0.050 U	<0.050 U	<0.050 U	<0.018
Dichlorodifluoromethane	µg/L	1000.	200.	<0.11 U	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.091
Diisopropyl ether	µg/L	--	--	<0.021 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	0.032
Ethylbenzene	µg/L	700.	140.	<0.019 U	<0.06 U	<0.040 U	<0.040 U	<0.040 U	<0.014
Hexachlorobutadiene	µg/L	--	--	<0.070 U	<0.07 U	<0.050 U	<0.050 U	<0.050 U	<0.027
Isopropylbenzene	µg/L	--	--	<0.060 U	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.014
m & p-Xylene	µg/L	2000.	400.	<0.050 U	<0.12 U	<0.070 U	<0.070 U	<0.070 U	<0.022
Methyl tert-butyl ether	µg/L	60.	12.	0.39	0.43	0.48	0.51	0.54	0.58
Methylene chloride	µg/L	5.	0.5	<0.15 U	<0.06 U	<0.050 U	<0.050 U	<0.050 UQZ	<0.090
n-Butylbenzene	µg/L	--	--	<0.021 U	<0.05 U	<0.030 U	<0.030 U	<0.030 U	<0.021
n-Propylbenzene	µg/L	--	--	<0.022 U	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.013
Naphthalene	µg/L	100.	10.	<0.040 U	<0.05 U	<0.030 U	<0.030 U	<0.030 U	<0.025
o-Xylene	µg/L	2000.	400.	<0.027 U	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.016
p-Isopropyltoluene	µg/L	--	--	<0.030 U	<0.06 U	<0.040 U	<0.040 U	<0.040 U	<0.016
sec-Butylbenzene	µg/L	--	--	<0.024 U	<0.05 U	<0.050 U	<0.050 U	<0.050 U	<0.012
Styrene	µg/L	100.	10.	<0.020 U	<0.05 U	<0.030 U	<0.030 U	<0.030 U	<0.014
tert-Butylbenzene	µg/L	--	--	<0.025 U	<0.06 U	<0.040 U	<0.040 U	<0.040 U	<0.013
Tetrachloroethene	µg/L	5.	0.05	<0.030 U	<0.06 U	<0.050 U	<0.050 U	<0.050 U	<0.028
Tetrahydrofuran	µg/L	50.	10.	<0.70 U	<0.6 U	<0.40 U	<0.40 U	<0.40 U	<0.38
Toluene	µg/L	800.	160.	<0.027 U	<0.06 U	<0.040 U	<0.040 U	<0.040 U	<0.014
trans-1,2-Dichloroethene	µg/L	100.	20.	<0.040 U	<0.06 U	<0.040 U	<0.040 U	<0.040 U	<0.020
trans-1,3-Dichloropropene	µg/L	0.4	0.04	<0.018 U	<0.014 U	<0.019 U	<0.019 U	<0.019 U	<0.020
Trichloroethene	µg/L	5.	0.5	<0.020 U	<0.03 U	<0.050 U	<0.050 U	<0.050 U	<0.022
Trichlorofluoromethane	µg/L	--	--	<0.024 U	<0.05 U	<0.090 U	<0.090 U	<0.090 U	<0.033
Vinyl acetate	µg/L	--	--	<0.60 U	<0.5 U	<0.22 U	<0.22 U	<0.22 U	<0.14
Vinyl chloride	µg/L	0.2	0.02	<0.019 U	0.021 J	<0.019 U	<0.019 U	<0.019 U	<0.019

-- = No standard
 NA = Not analyzed
 B = Analyte detected in the associated Method Blank
 J = Estimated value
 Q = Lab control sample outside acceptance limits
 U = Analyte concentration below detection limit
 Y = Replicate/Duplicate precision outside acceptance limits
 Z = Specified calibration criteria not met

**Table 5. Natural Biodegradation Potential Scores
for May 2015 through November 2021 Sampling Events
OECl Superfund Site Monitoring Wells Groundwater Samples**

Well ID	Well Type	Biodegradation Potential Scores					
		May 2015 Sampling Event	May 2016 Sampling Event	May 2017 Sampling Event	Nov. 2017 Sampling Event	Nov. 2018 Sampling Event	Nov. 2021 Sampling Event
MW-1S	WT	4.	8.	- 2.	4.	1.	1.
MW-1D	BR	14.	11.	14.	14.	14.	13.
MW-2D	BR	0.	8.	- 1.	13.	15.	5.
MW-3D	BR	8.	9.	- 1.	7.	9.	4.
MW-4S	WT	3.	6.	3.	3.	1.	0.
MW-5D	MID	10.	10.	11.	11.	12.	7.
MW-9S	WT	4.	6.	4.	4.	1.	0.
MW-12S	WT	8.	8.	1.	8.	5.	8.
MW-12D	MID	12.	12.	10.	13.	10.	11.
MW-12B	BR	-3.	0.	1.	7.	8.	3.
MW-13S	WT	-1.	3.	-1.	6.	0.	2.
MW-13D	MID	10.	10.	5.	10.	5.	9.
MW-15S	WT	-1.	4.	-1.	1.	0.	0.
MW-15D	MID	6.	5.	5.	6.	3.	6.
MW-15B	BR	10.	12.	5.	10.	13.	11.
MW-16S	WT	7.	12.	12.	11.	9.	7.
MW-101S	WT	-3.	2.	-3.	3.	2.	-1.
MW-101B	BR	7.	7.	5.	9.	4.	- 1.
MW-102S	WT	-3.	-3.	-3.	3.	-2.	-1.
MW-102D	MID	8.	13.	4.	9.	9.	7.
MW-103S	WT	7.	5.	1.	10.	3.	8.
MW-103D	MID	7.	9.	4.	6.	3.	9.
MW-105S	WT	13.	13.	10.	14.	13.	13.
MW-105D	MID	13.	13.	10.	11.	13.	9.
MW-105B	BR	4.	8.	2.	13.	10.	13.
TW-202I	MID	2.	- 1.	5.	6.	3.	1.
OW-6	BR	10.	1.	5.	12.	7.	0.
MW-14DR	MID	5.	- 3.	0.	8.	3.	- 1.

Total Points	Interpretation
0-5	Inadequate evidence for biodegradation
6-14	Limited evidence for biodegradation
15-20	Adequate evidence for biodegradation
>20	Strong evidence for biodegradation of chlorinated solvents

Notes:

WT = Water table (shallow) monitoring well

MID = Mid-depth unconsolidated deposits monitoring well

BR = Bedrock monitoring well

Monitoring well MW-102S alkalinity and chloride concentrations used as background values.

Scoring system and interpretation from: Chlorinated Solvents in Groundwater, June 2006, Minnesota Pollution Control Agency Site Remediation Section.



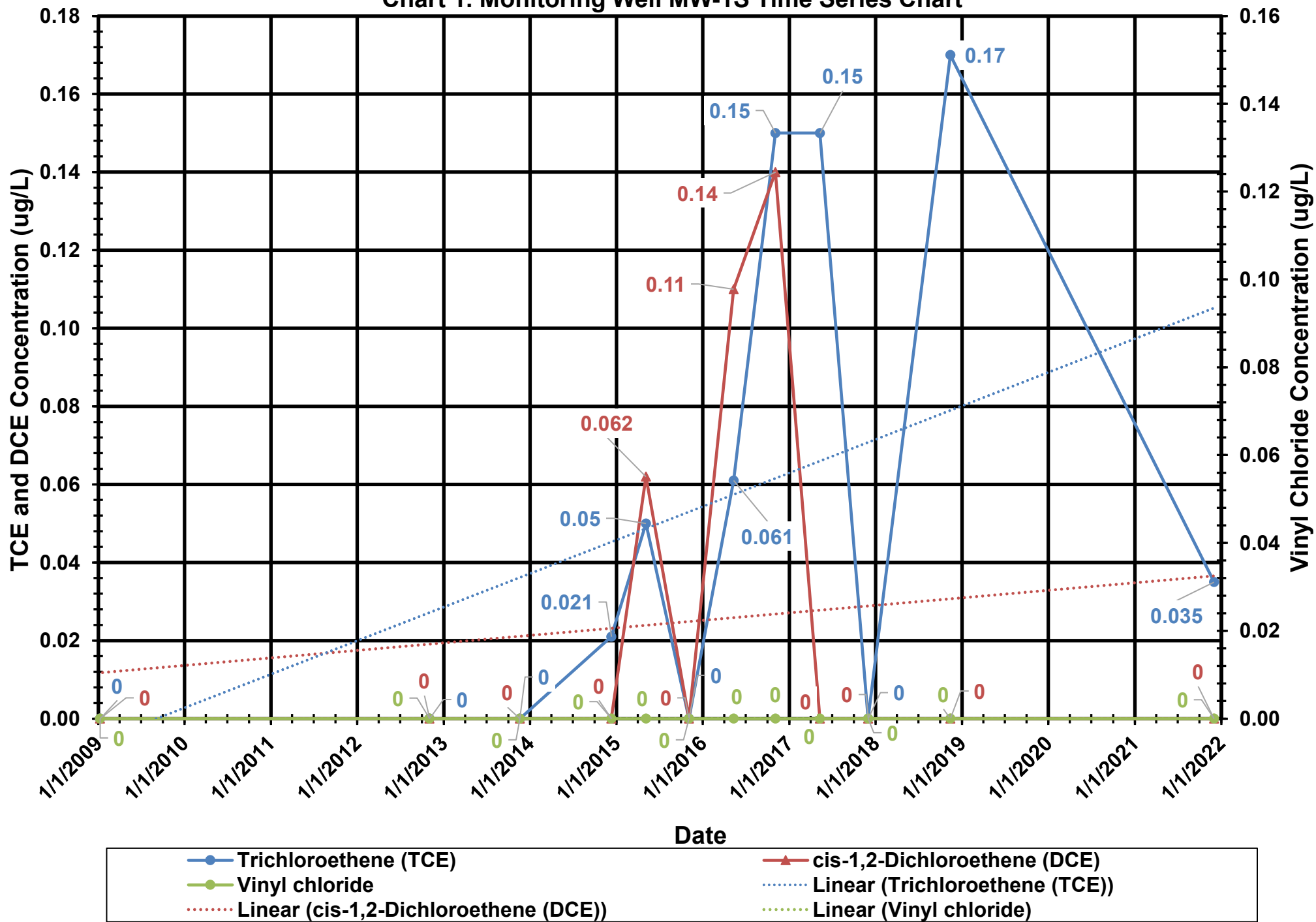
ANNUAL GROUNDWATER MONITORING REPORT

OECI Superfund Site, Town of Ashippun, WI

June 28, 2022

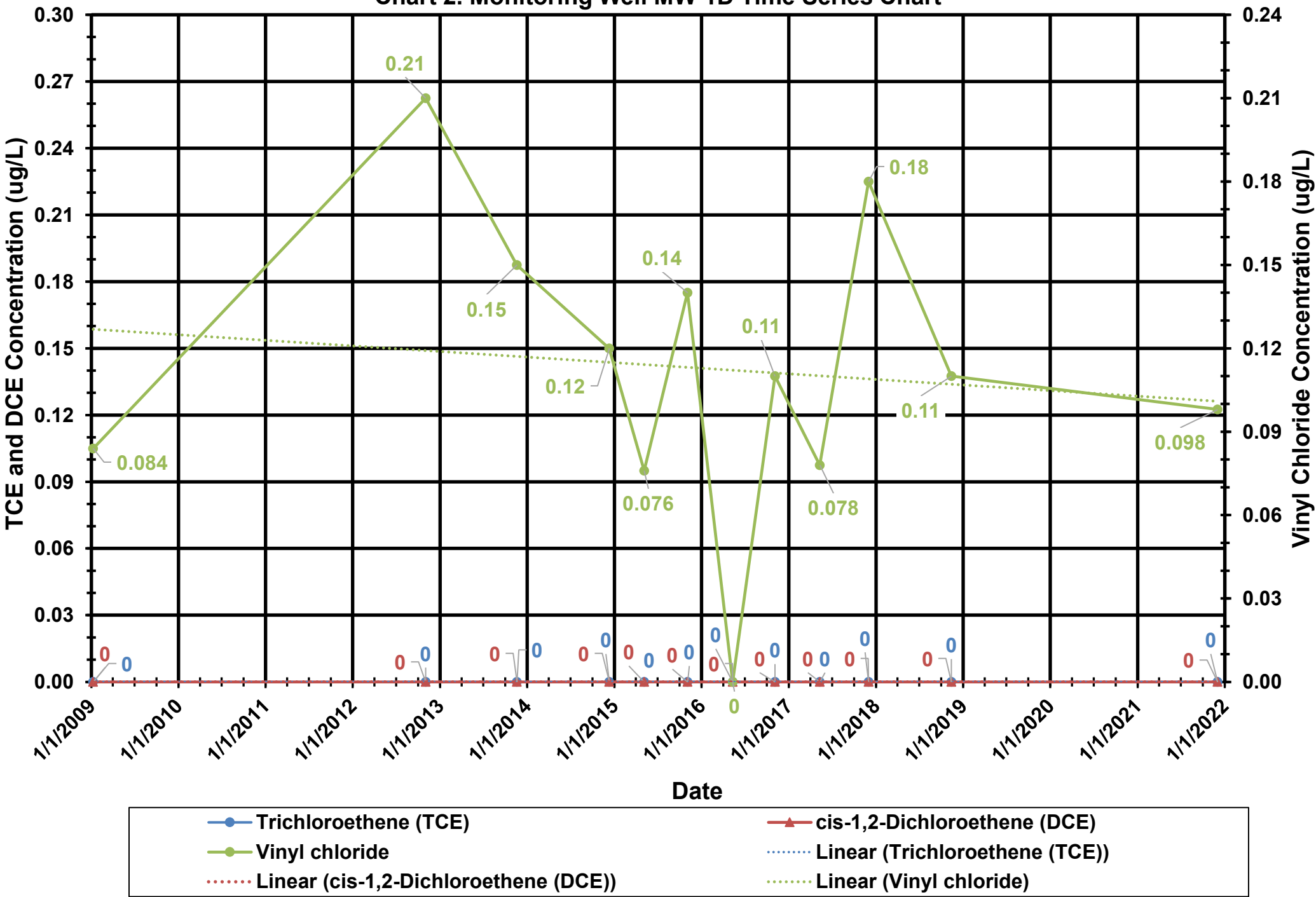
CHARTS

Chart 1. Monitoring Well MW-1S Time Series Chart



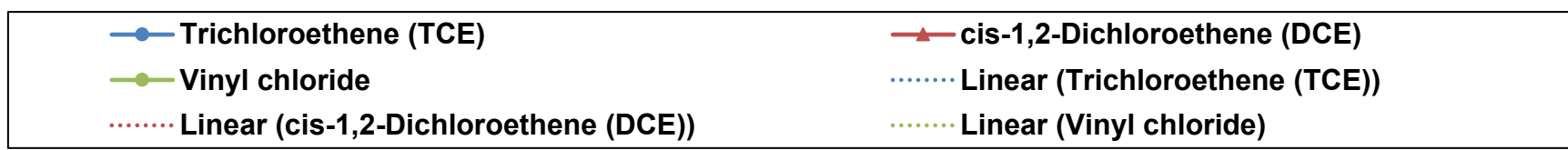
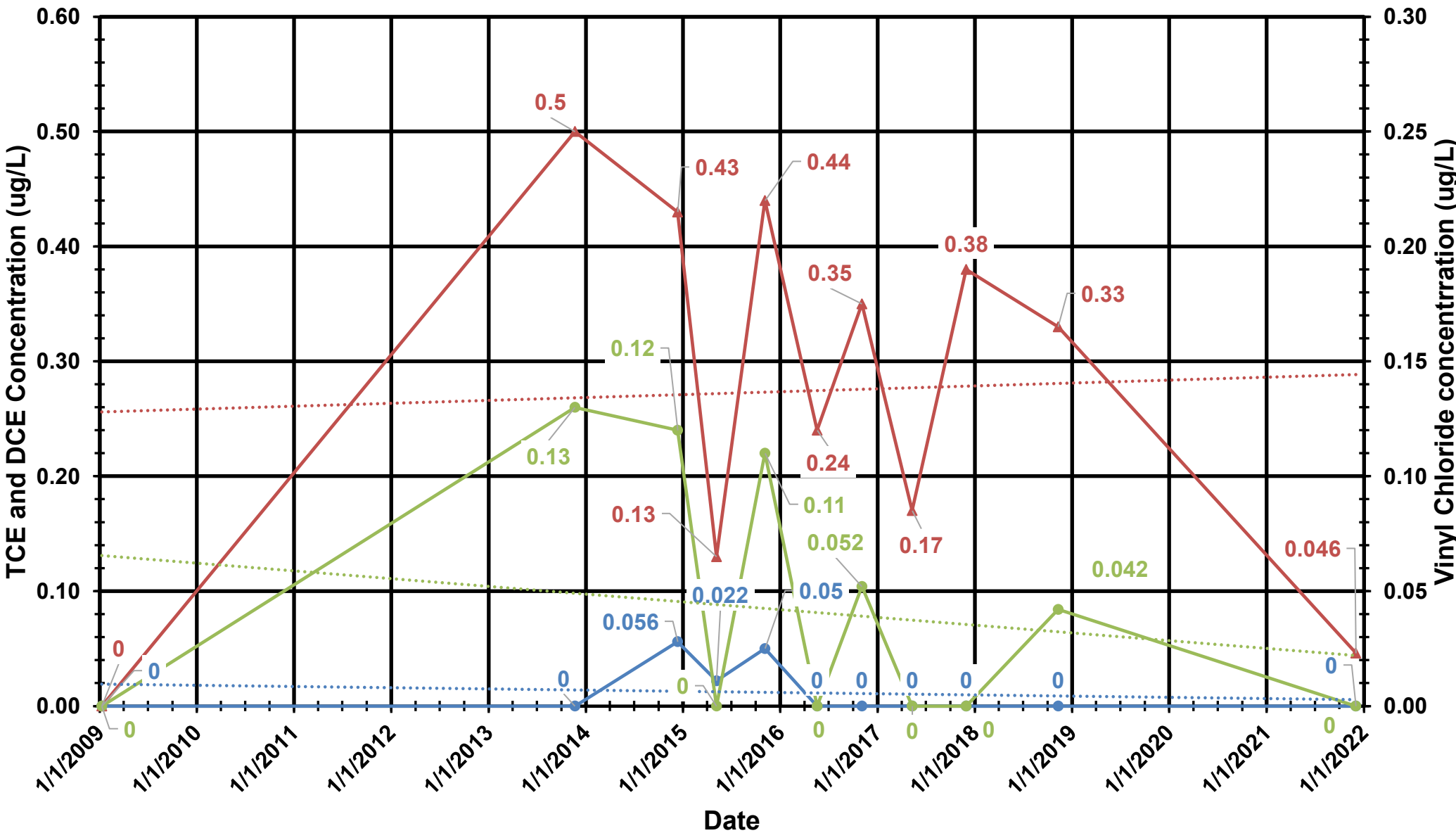
Note: In-situ soil treatment in source Area A with Daramend performed in June 2013.

Chart 2. Monitoring Well MW-1D Time Series Chart



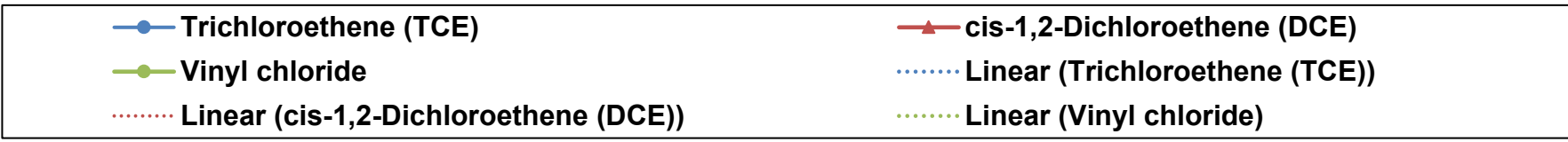
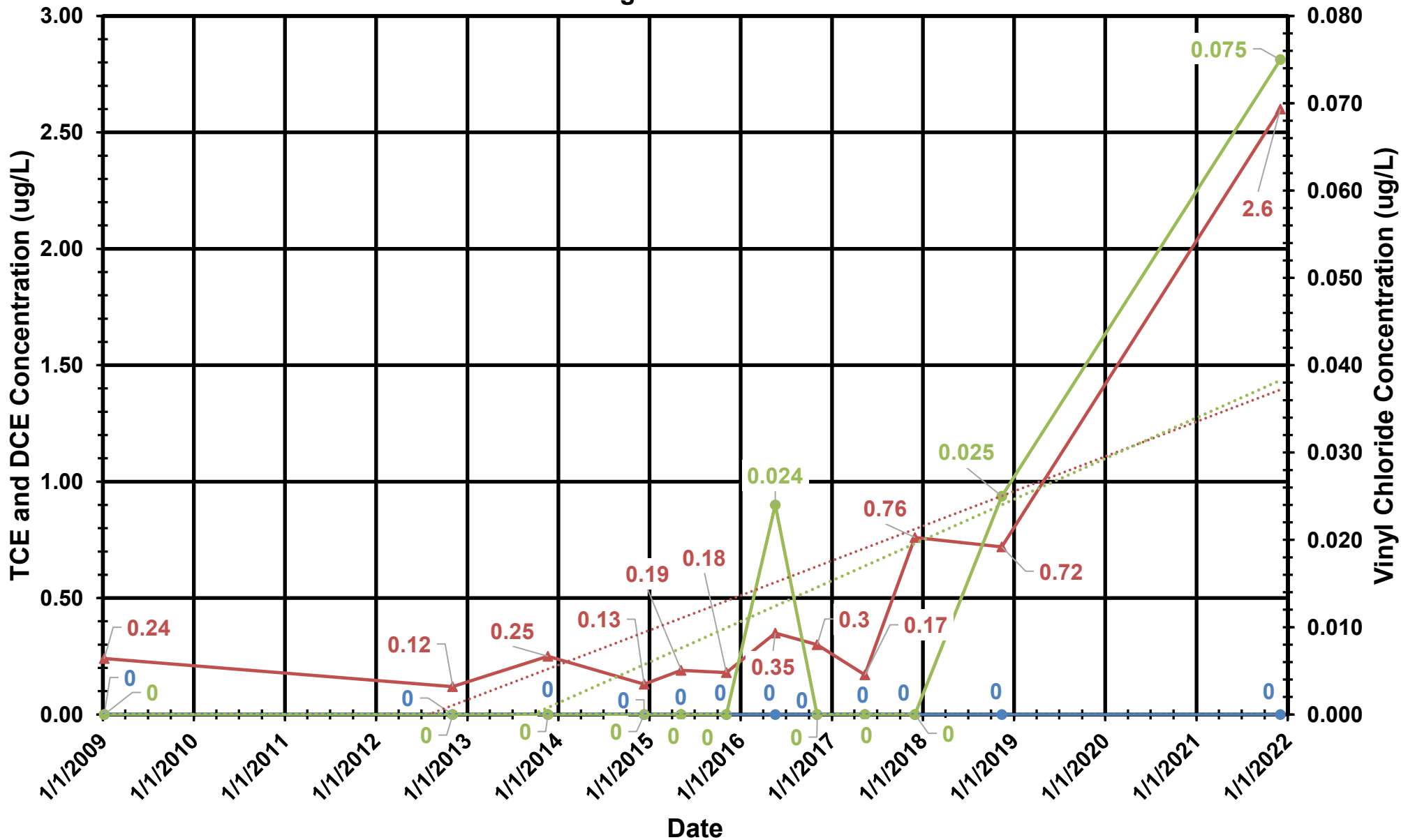
Note: In-situ soil treatment in source Area A with Daramend performed in June 2013.

Chart 3. Monitoring Well MW-2D Time Series Chart



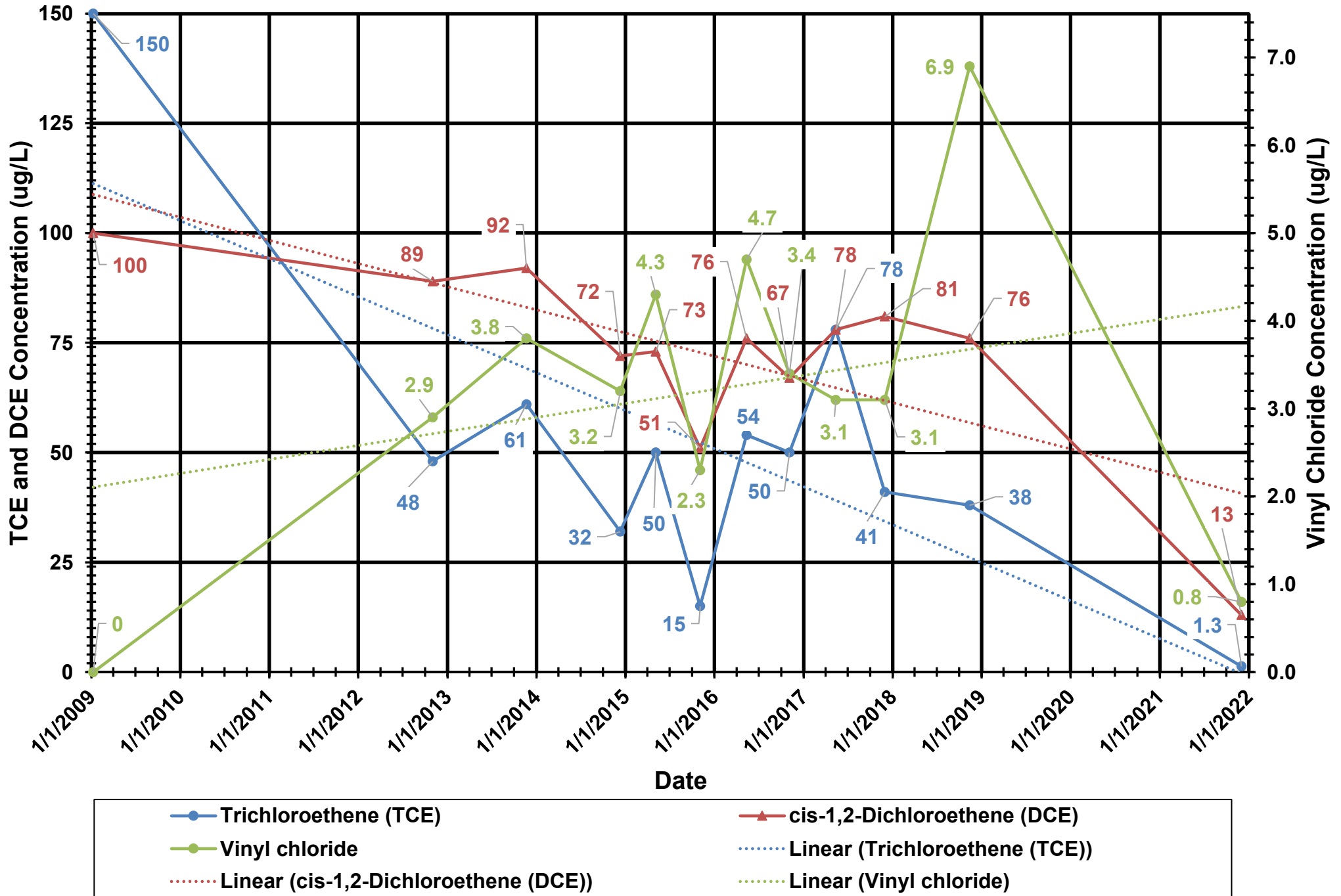
Note: In-situ soil treatment in source Area A with Daramend performed in June 2013.

Chart 4. Monitoring Well MW-3D Time Series Chart



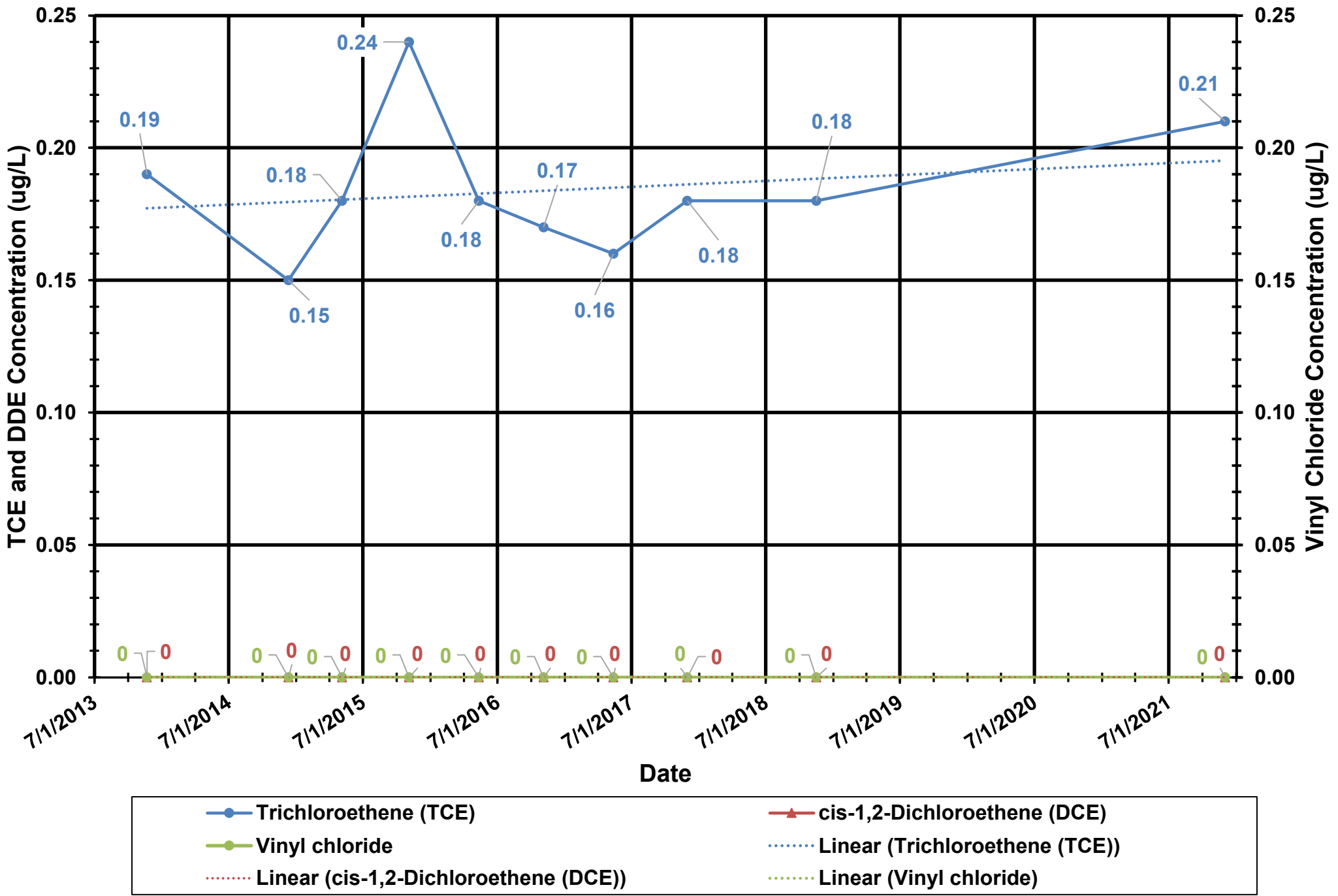
Note: In-situ soil treatment in source Area A with Daramend performed in June 2013.

Chart 5. Monitoring Well MW-5D Time Series Chart



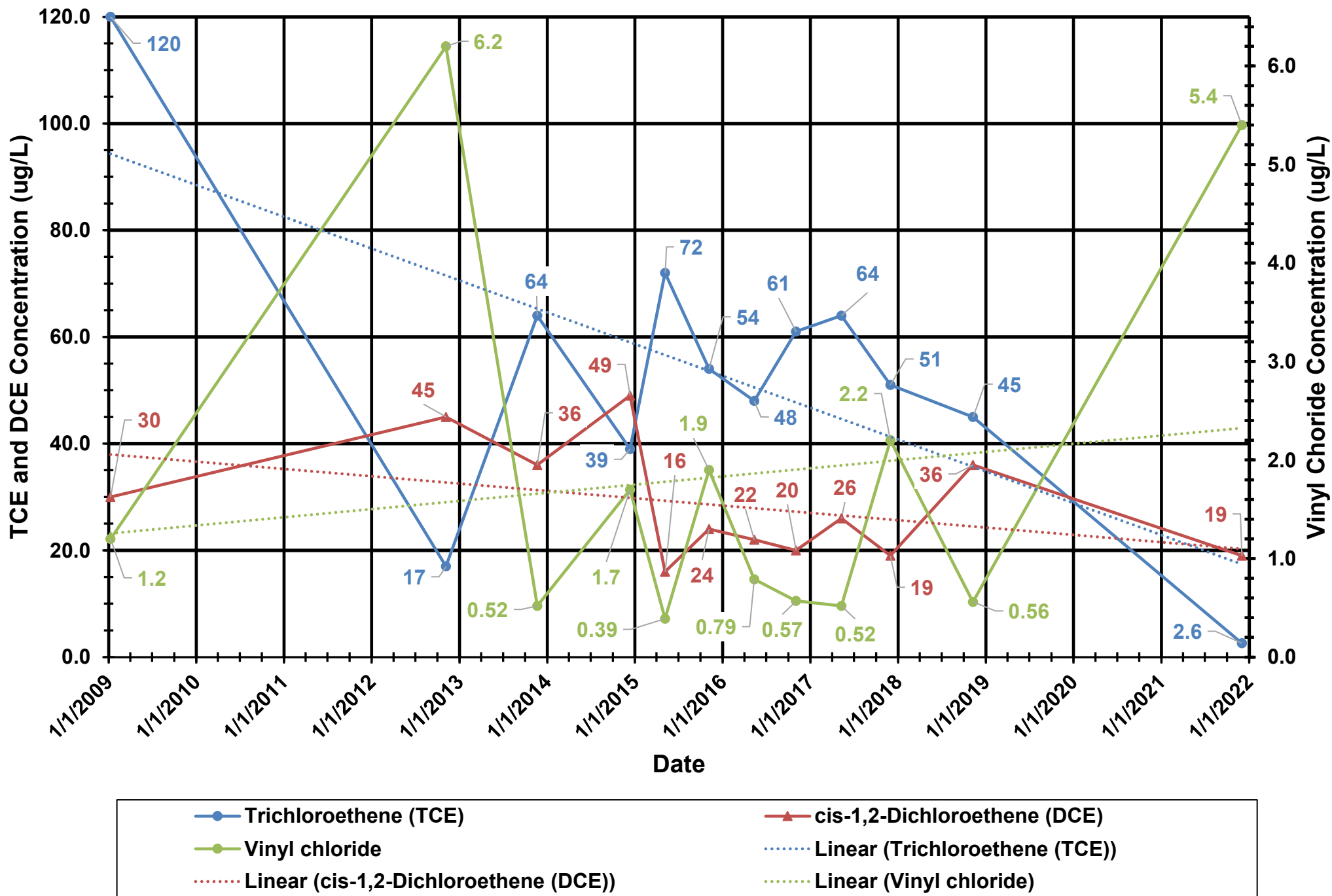
Note: In-situ soil treatment in source Area A with Daramend performed in June 2013.

Chart 6. Monitoring Well MW-9S Time Series Chart



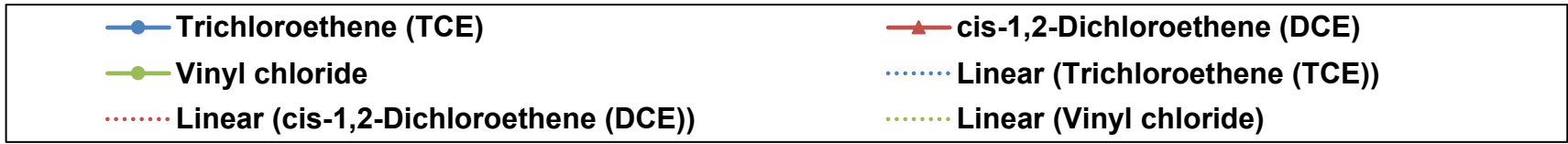
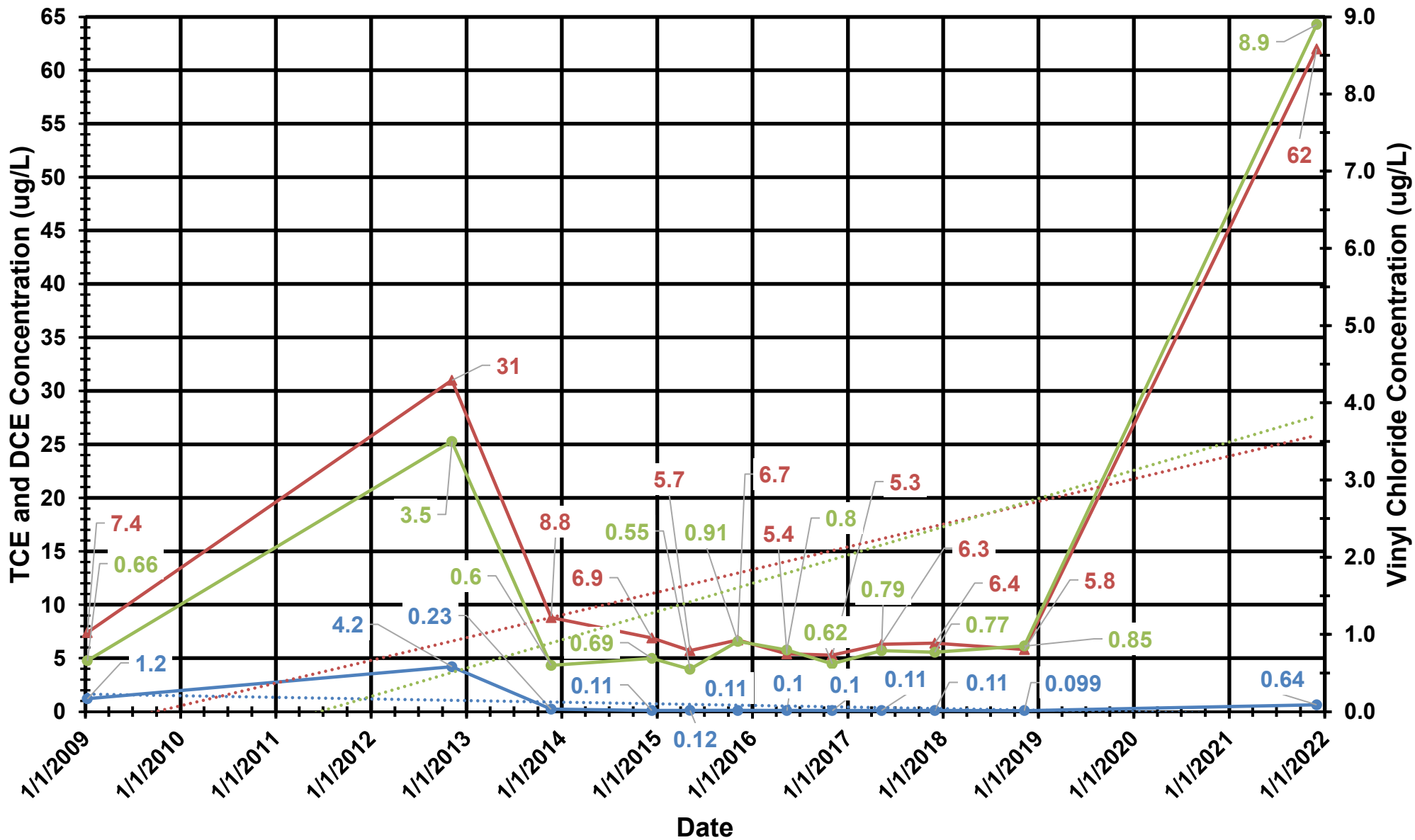
Note: In-situ soil treatment in source Area A with Daramend performed in June 2013.

Chart 7. Monitoring Well MW-12S Time Series Chart



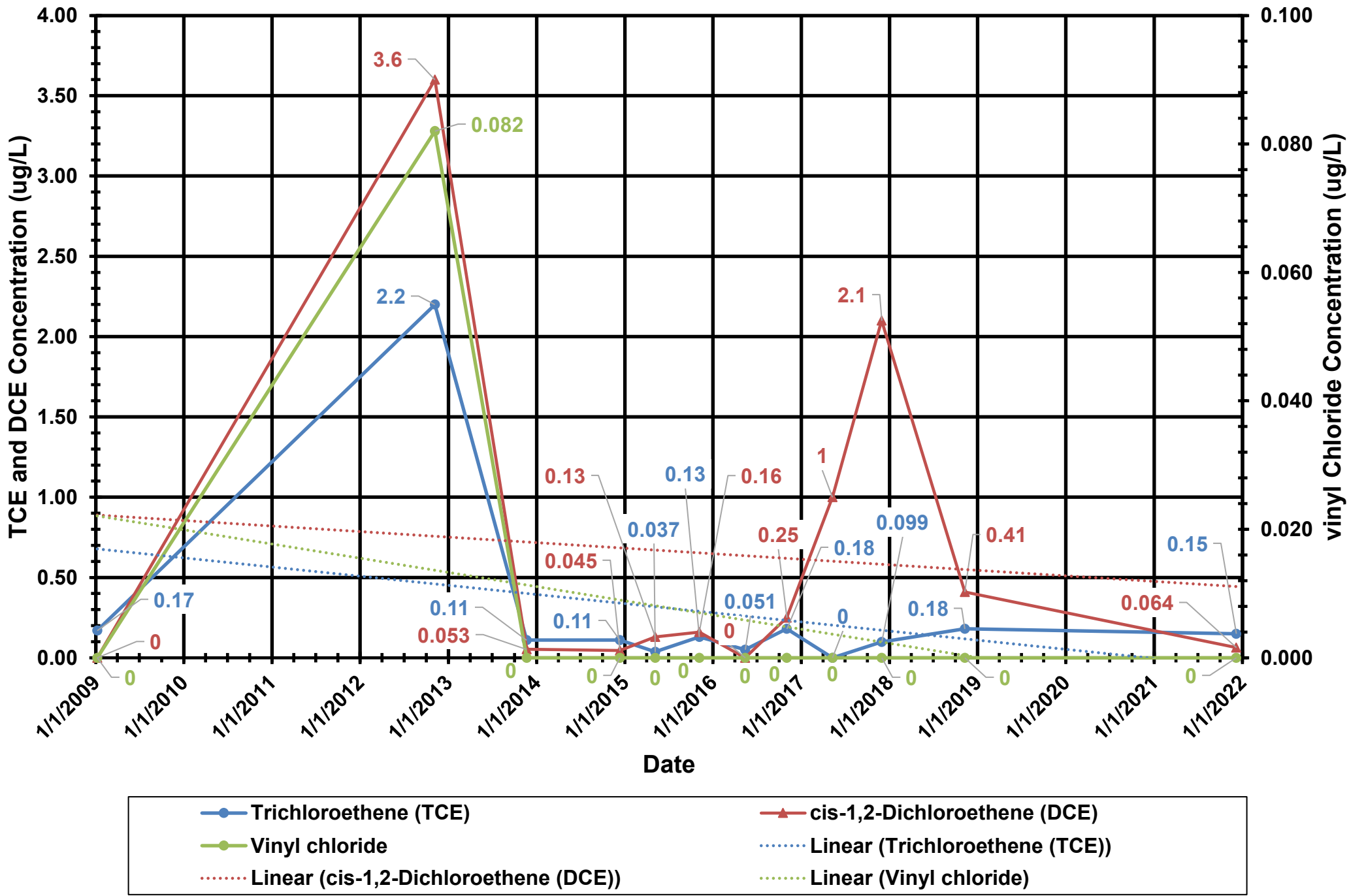
Note: In-situ soil treatment in source Area A with Daramend performed in June 2013.

Chart 8. Monitoring Well MW-12D Time Series Chart



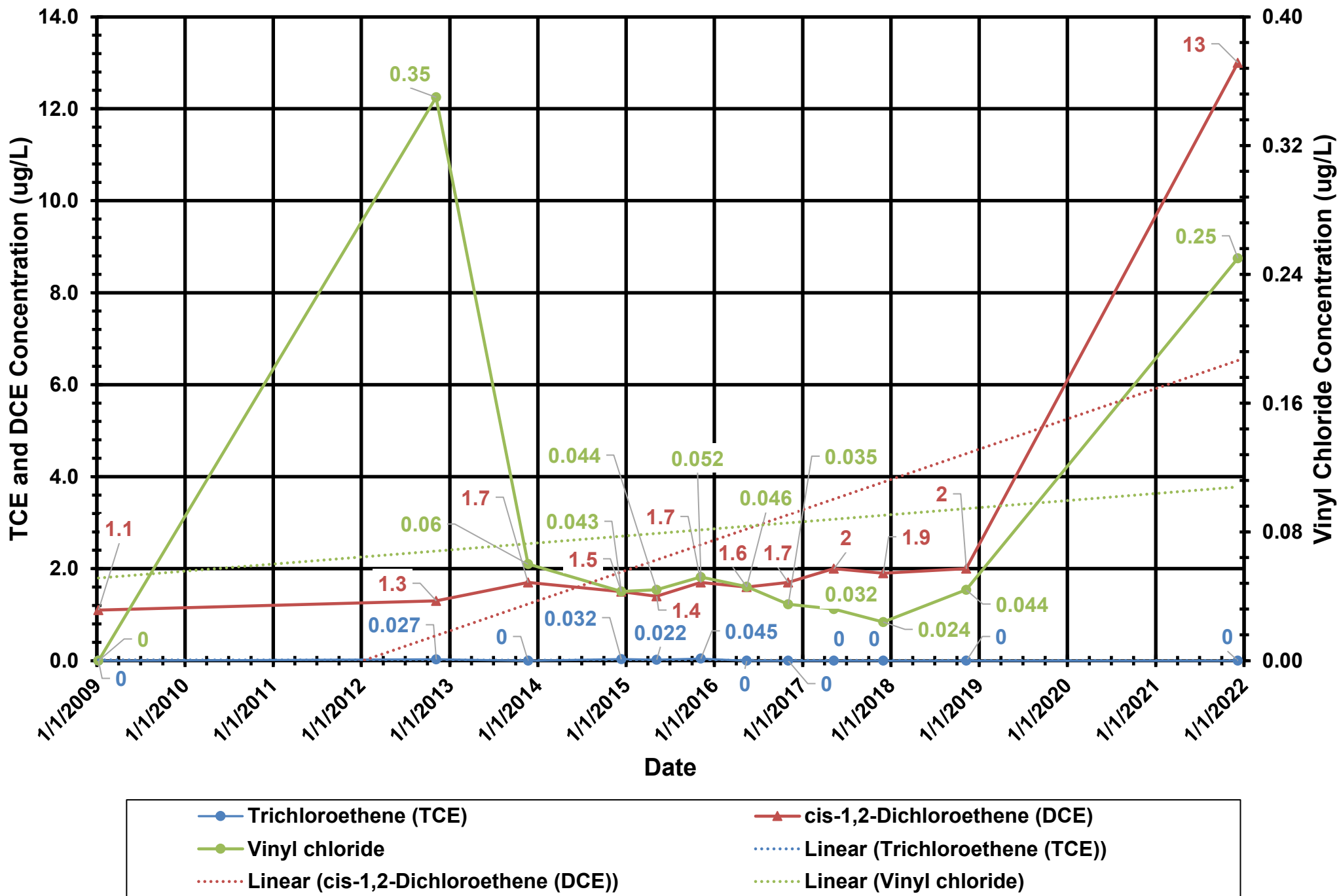
Note: In-situ soil treatment in source Area A with Daramend performed in June 2013.

Chart 9. Monitoring Well MW-13S Time Series Chart



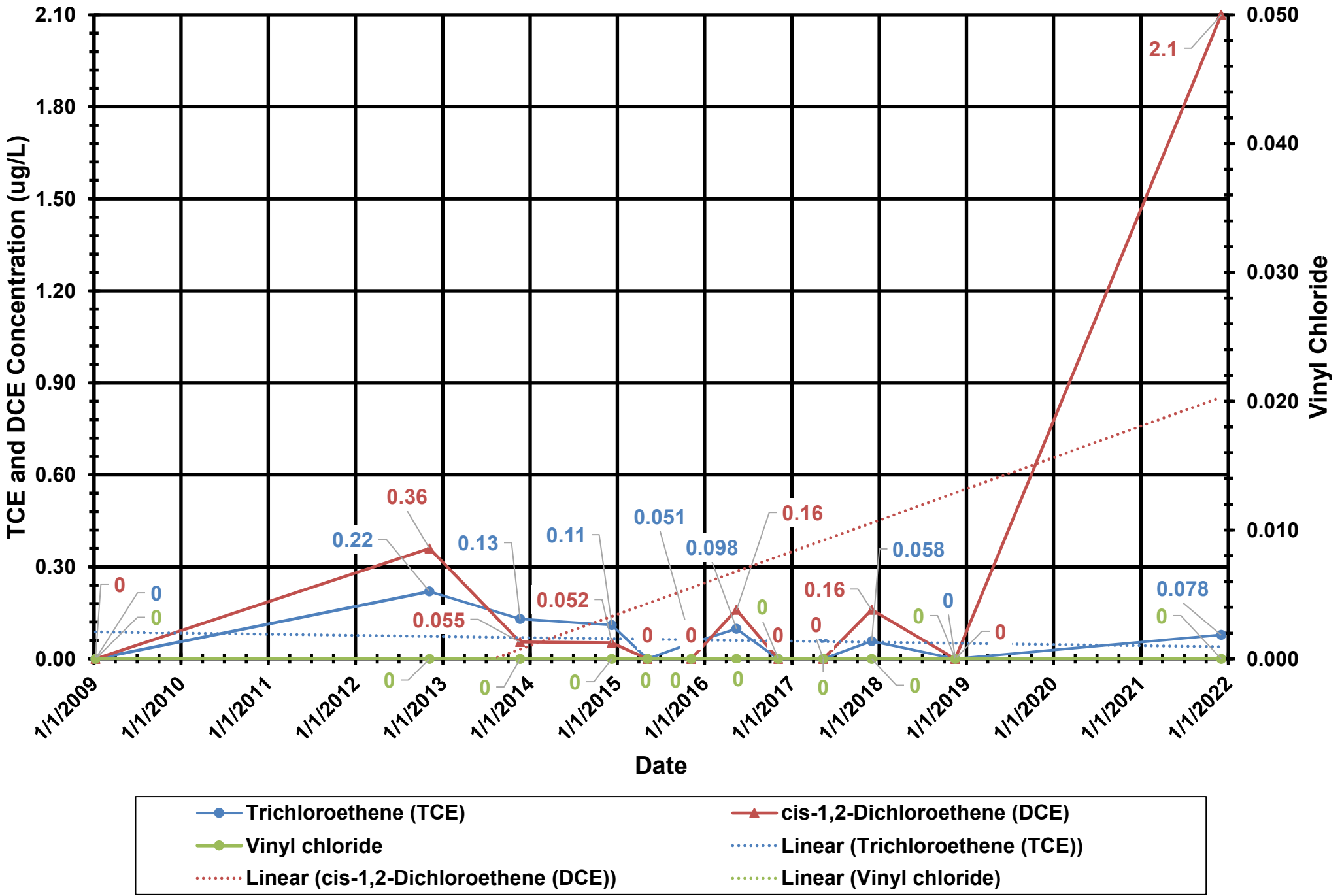
Note: In-situ soil treatment in source Area A with Daramend performed in June 2013.

Chart 10. Monitoring Well MW-13D Time Series Chart



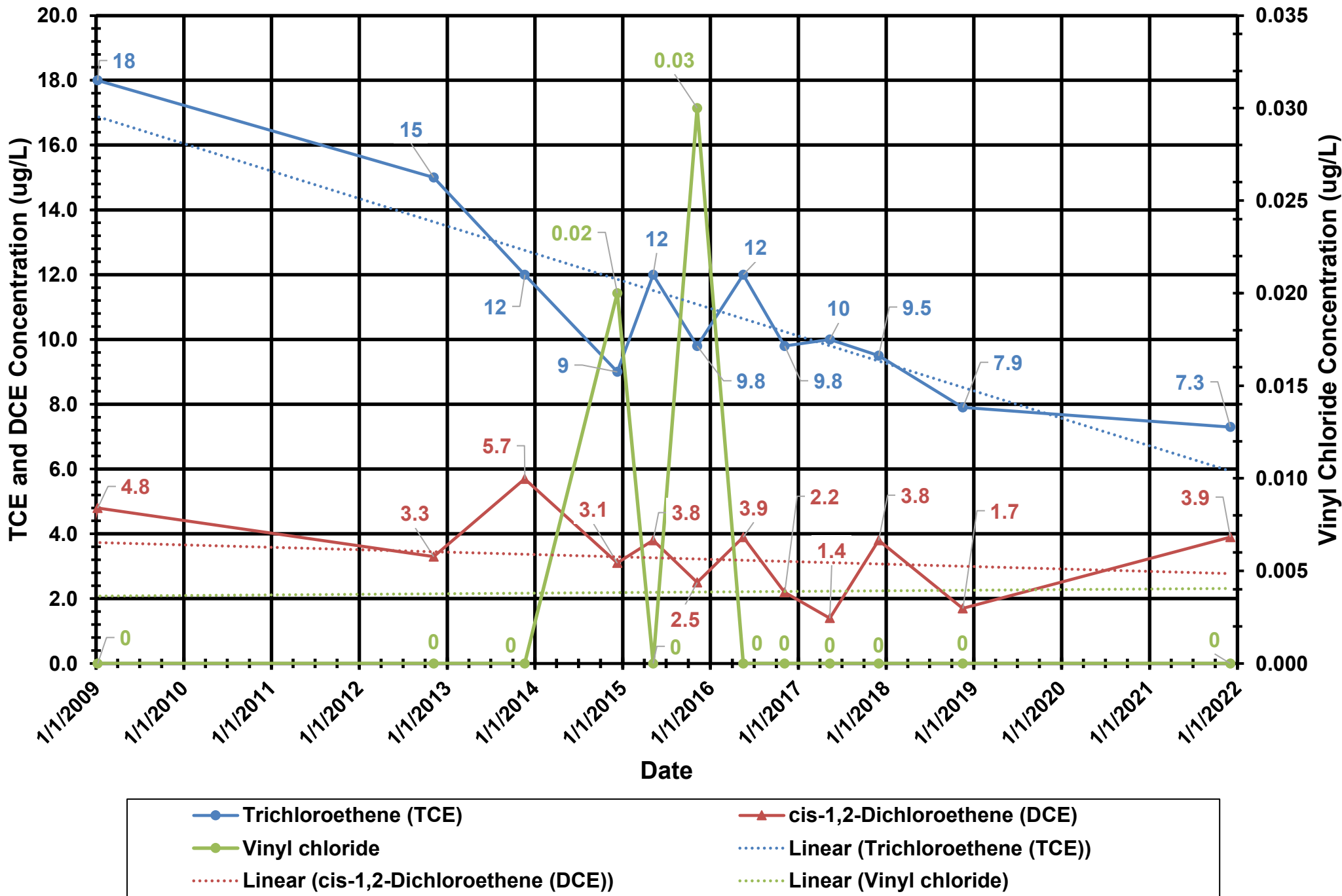
Note: In-situ soil treatment in source Area A with Daramend performed in June 2013.

Chart 11. Monitoring Well MW-15S Time Series Chart



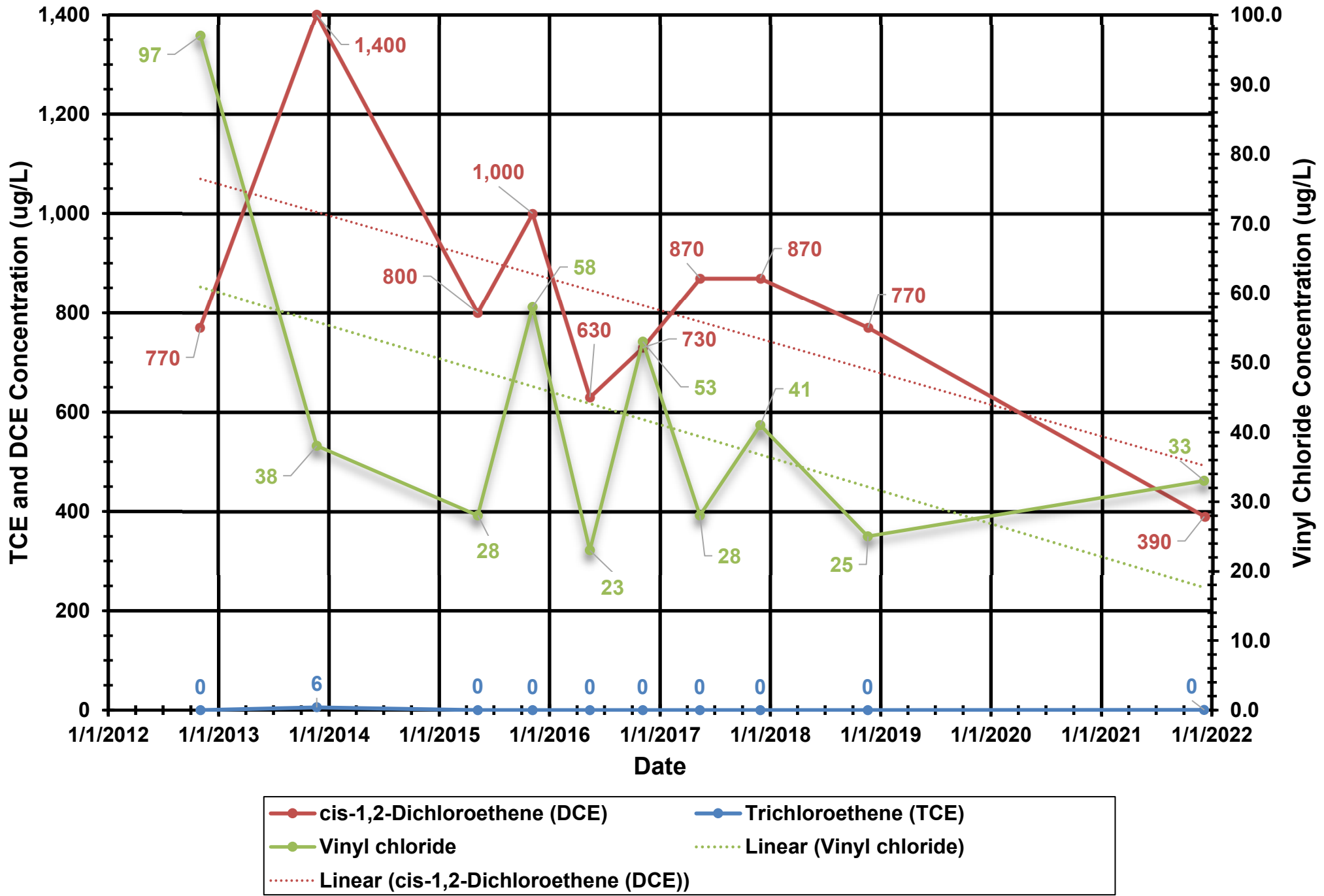
Note: In-situ soil treatment in source Area A with Daramend performed in June 2013.

Chart 12. Monitoring Well MW-15D Time Series Chart



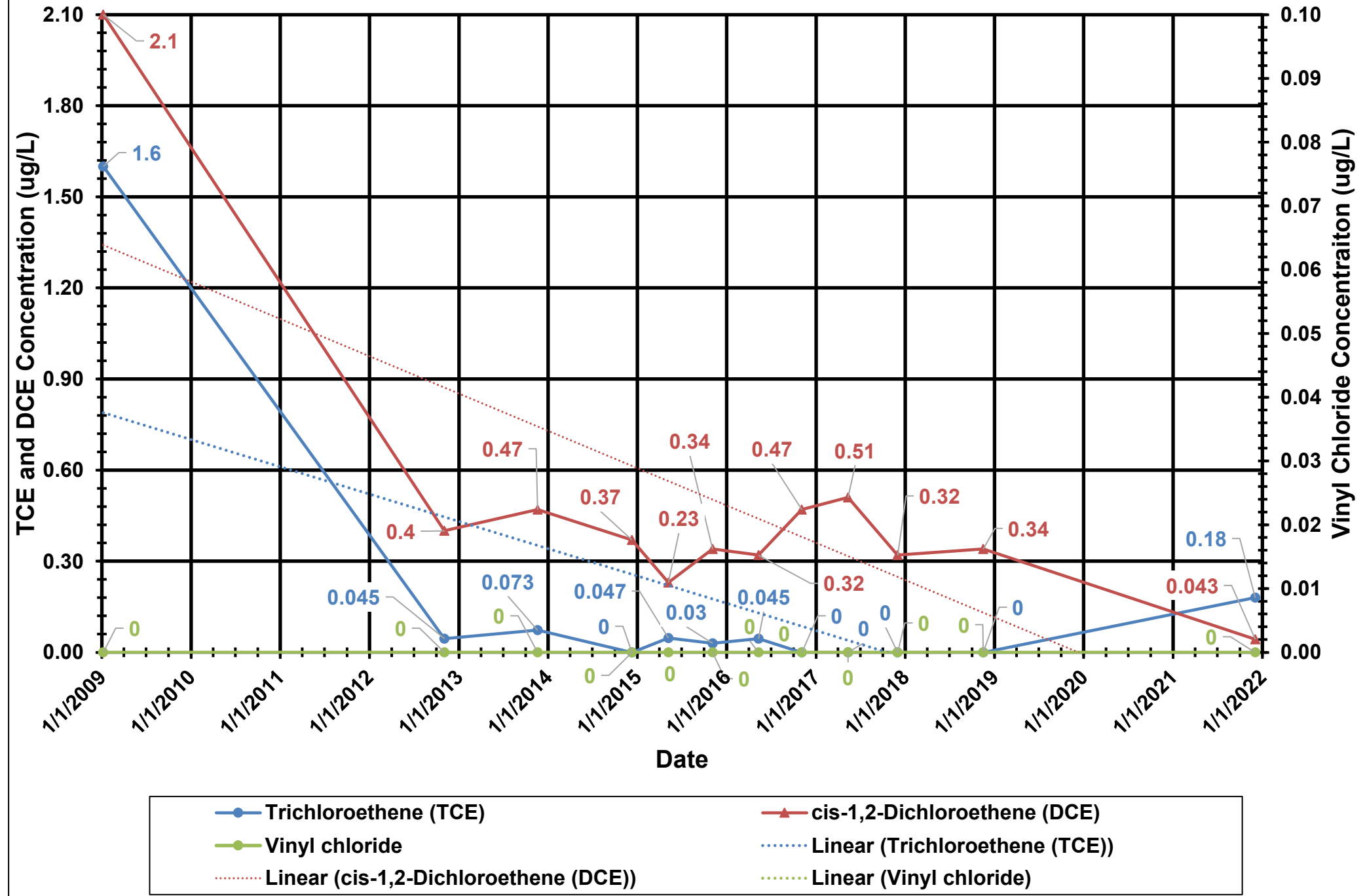
Note: In-situ soil treatment in source Area A with Daramend performed in June 2013.

Chart 13. Monitoring Well MW-16S Time Series Chart



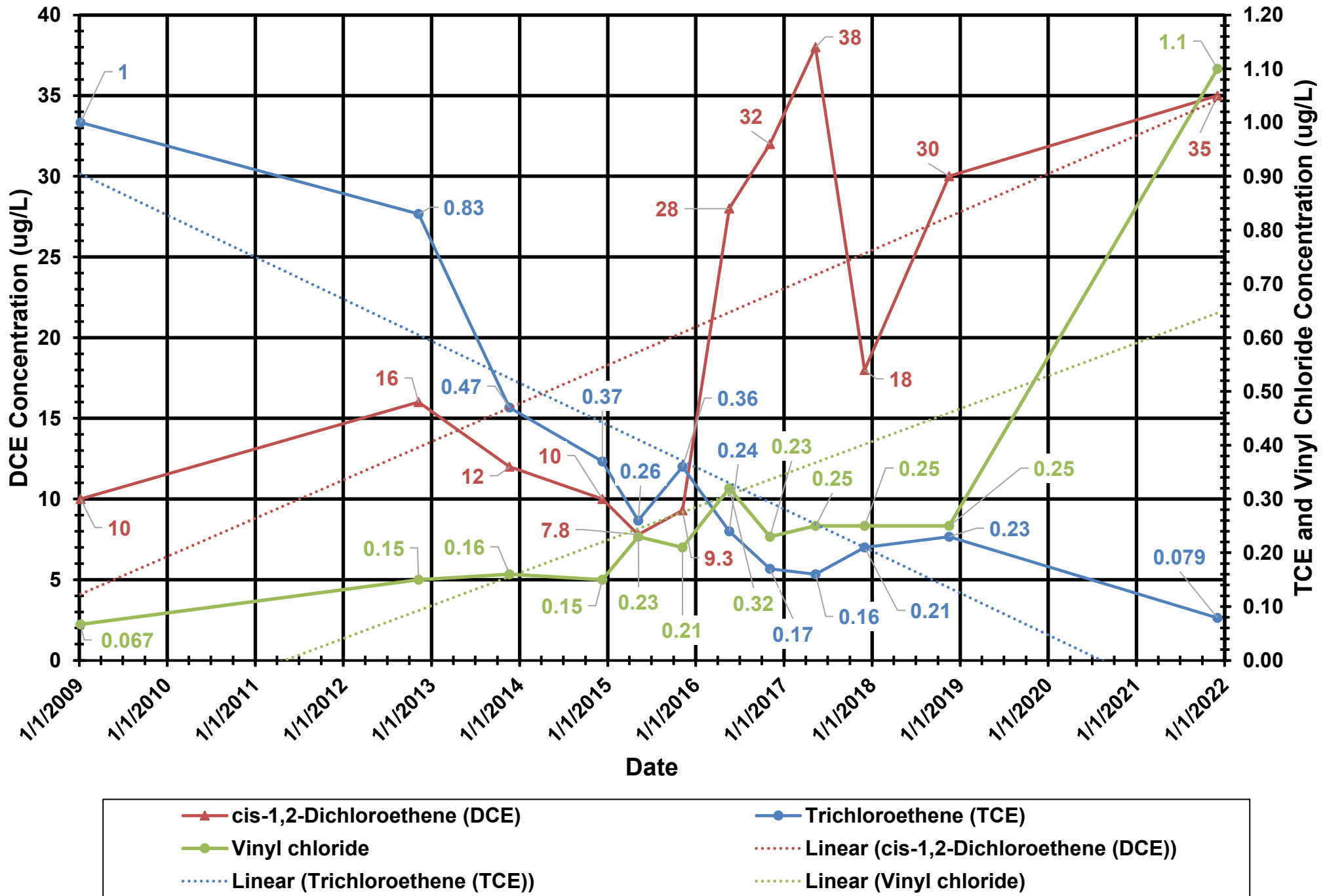
Note: In-situ soil treatment in source Area A with Daramend performed in June 2013.

Chart 14. Monitoring Well MW-101B Time Series Chart



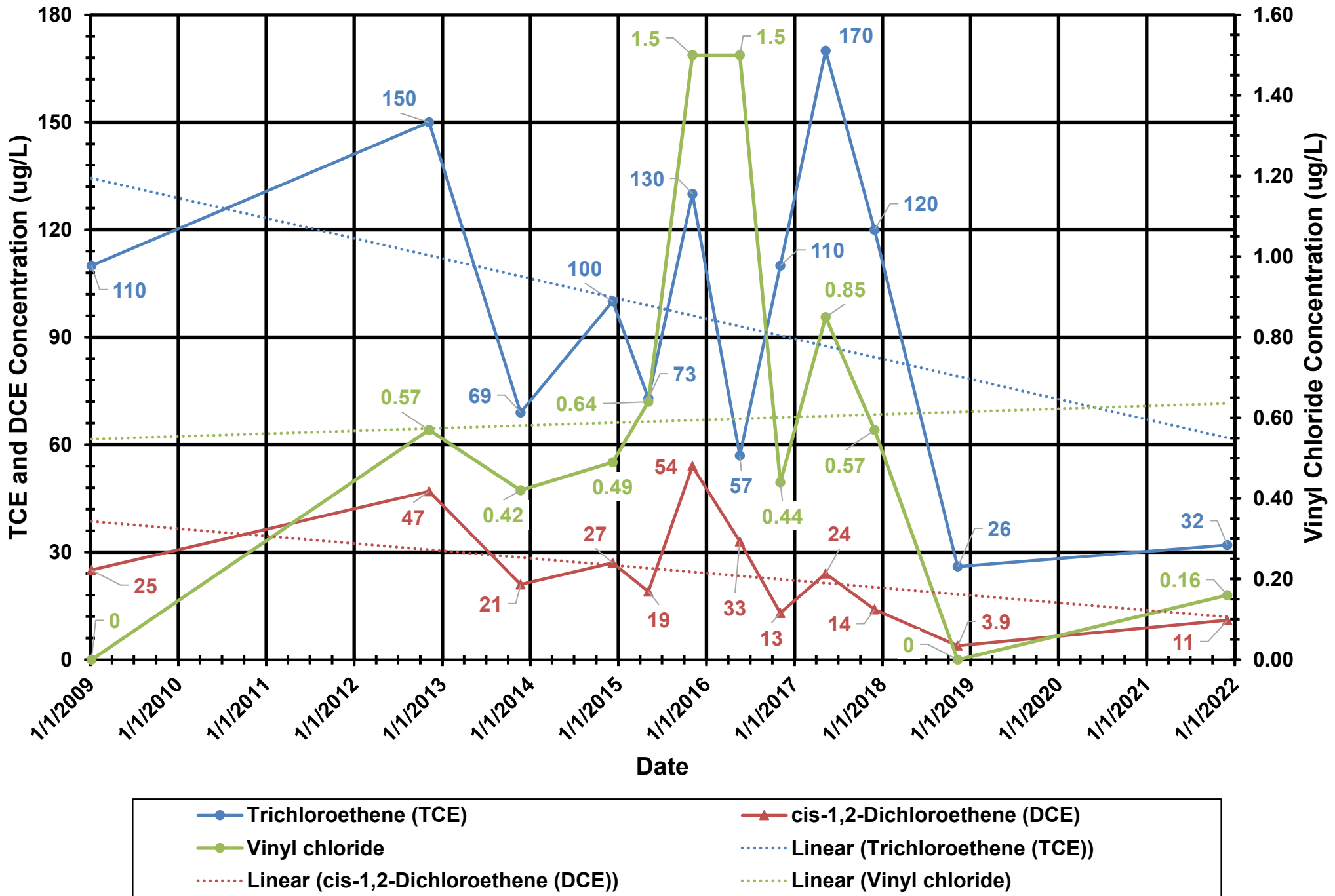
Note: In-situ soil treatment in source Area A with Daramend performed in June 2013.

Chart 15. Monitoring Well MW-102D Time Series Chart



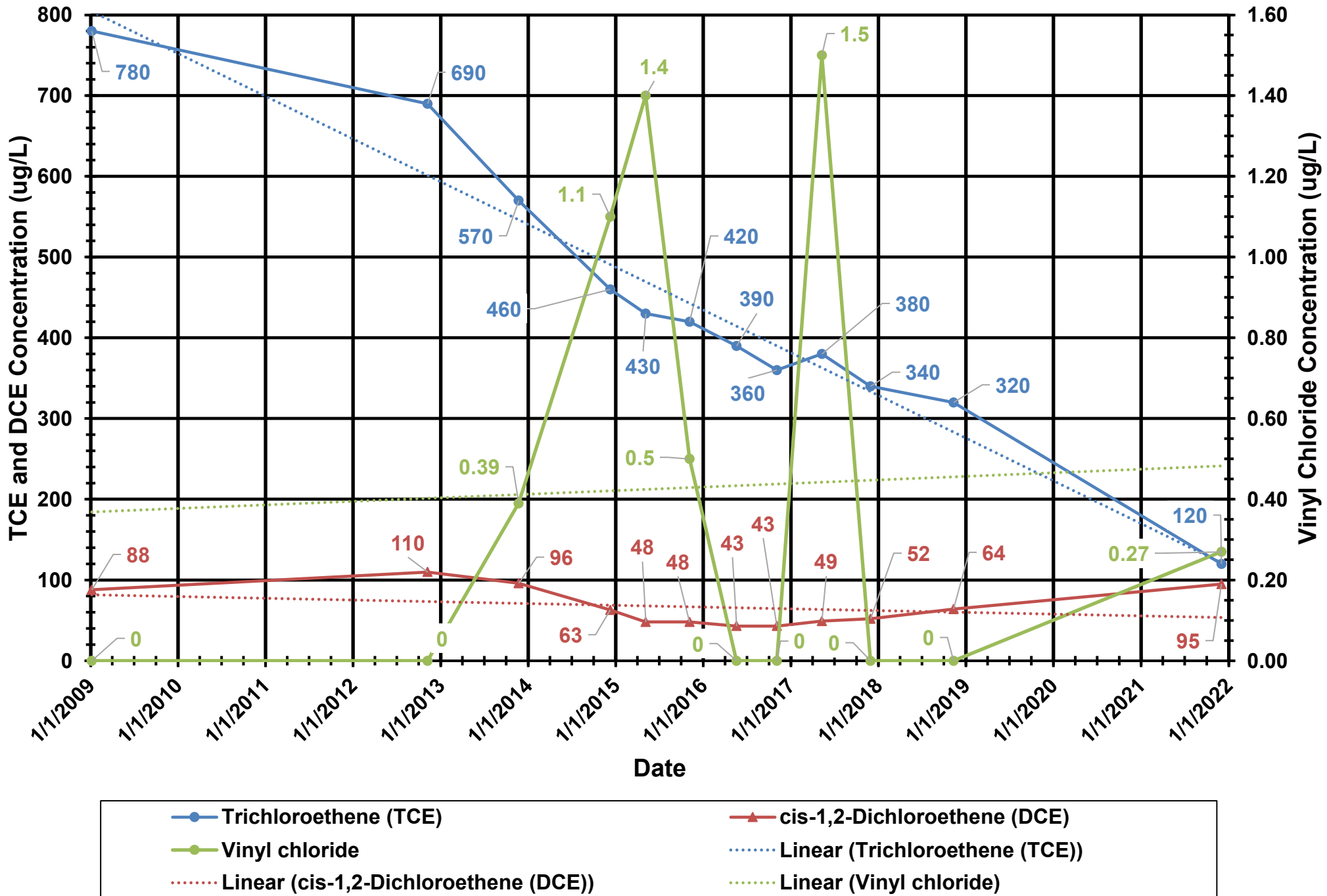
Note: In-situ soil treatment in source Area A with Daramend performed in June 2013.

Chart 16. Monitoring Well MW-103S Time Series Chart



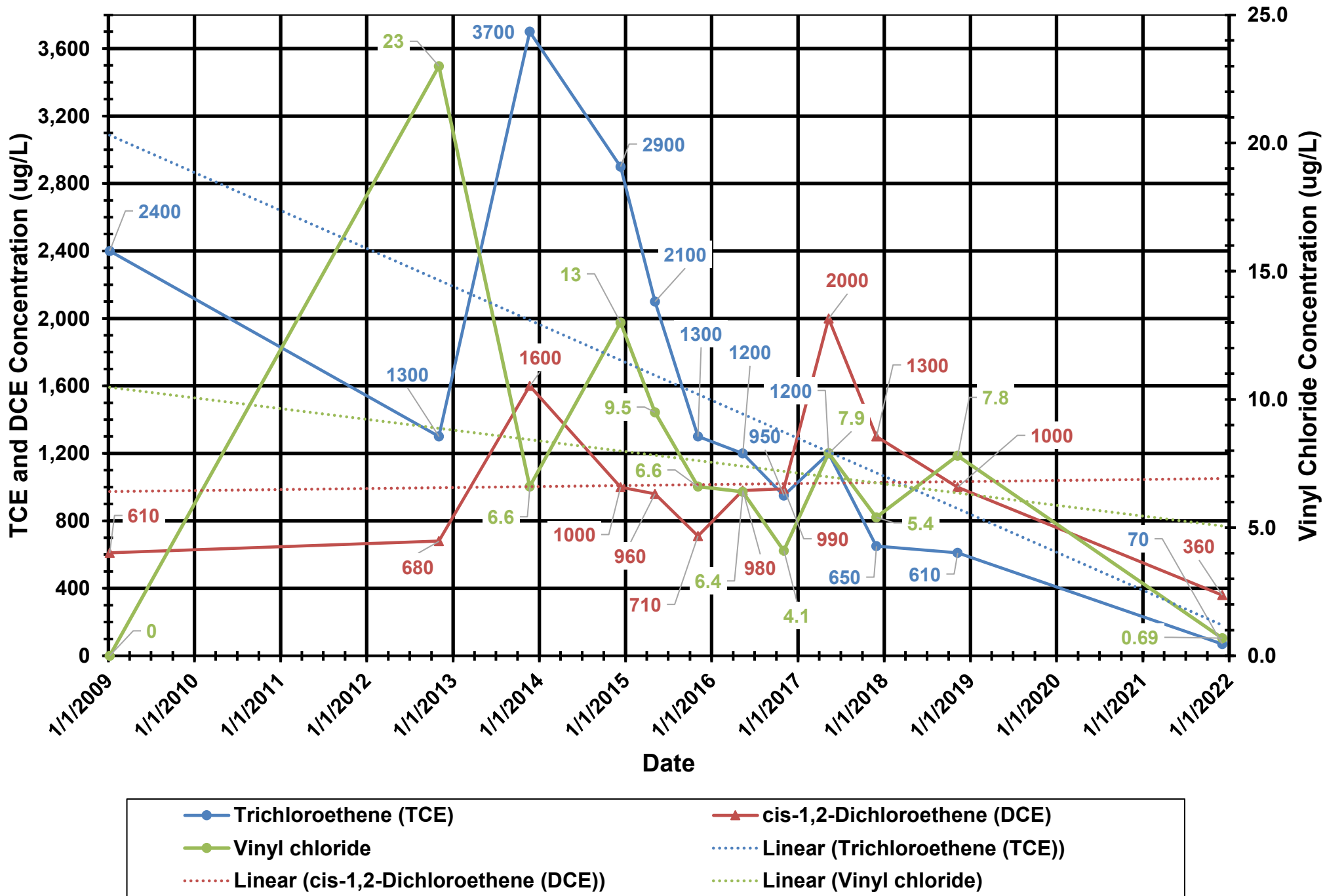
Note: In-situ soil treatment in source Area A with Daramend performed in June 2013.

Chart 17. Monitoring Well MW-103D Time Series Chart



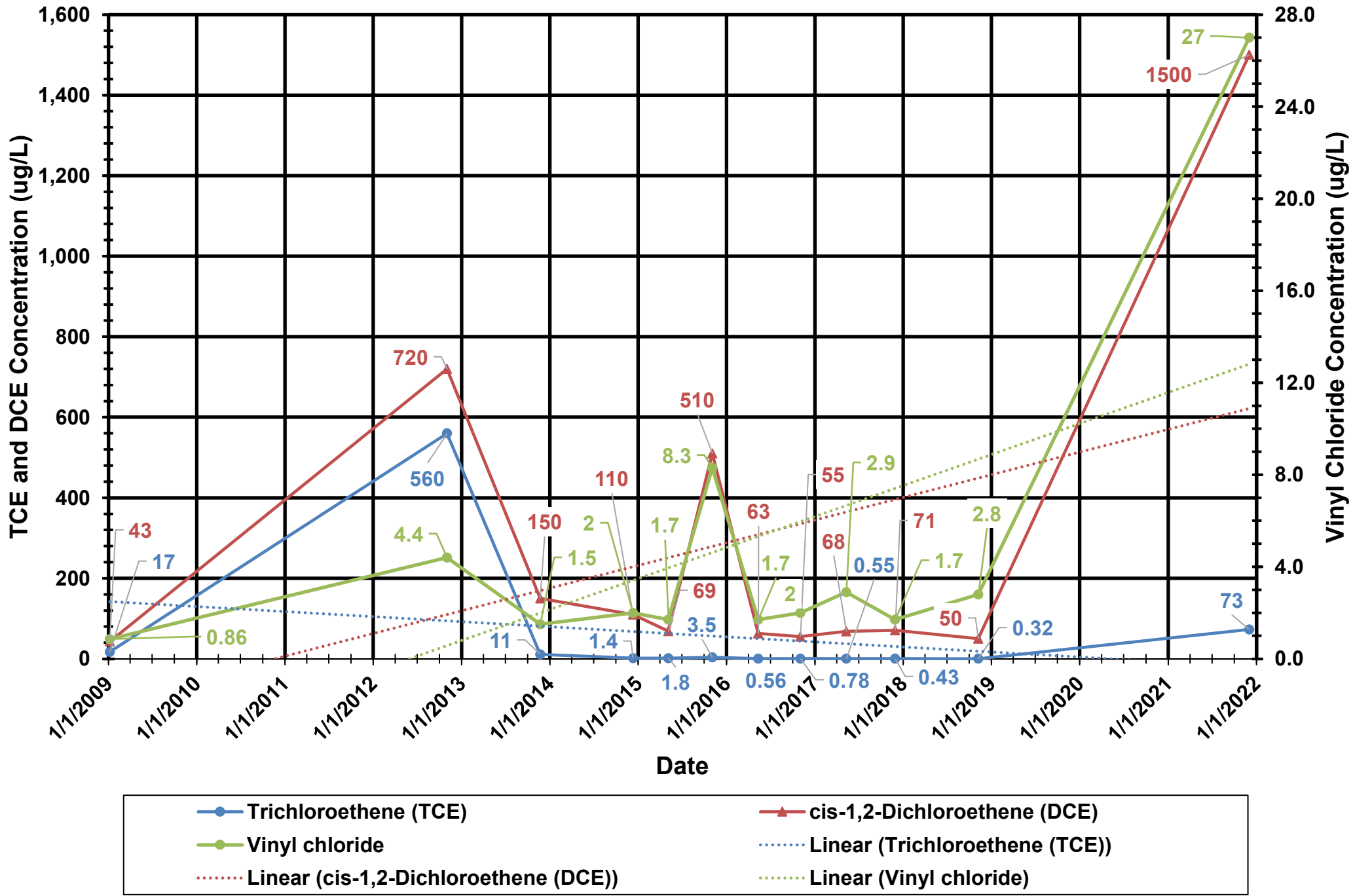
Note: In-situ soil treatment in source Area A with Daramend performed in June 2013.

Chart 18. Monitoring Well MW-105S Time Series Chart



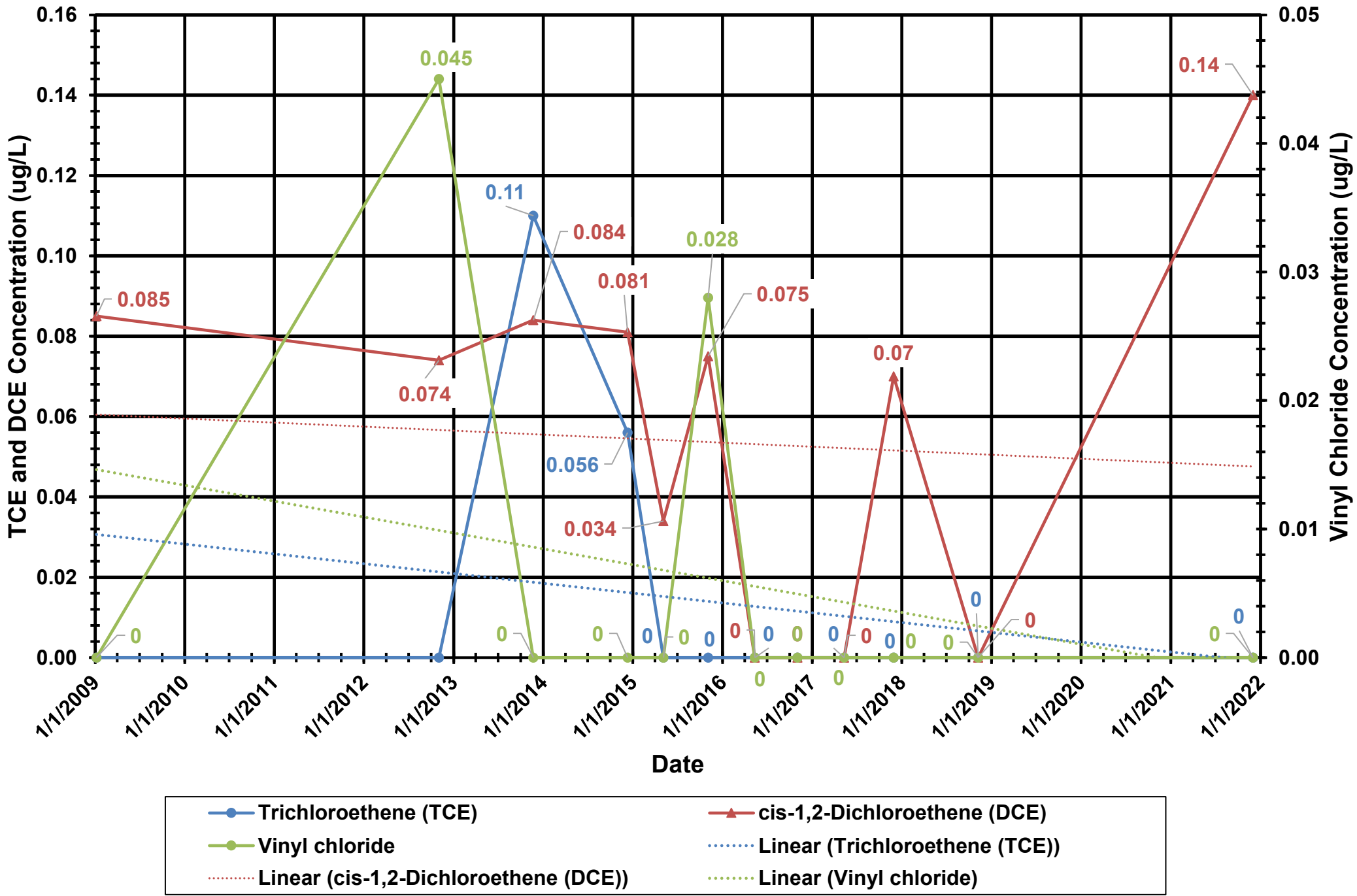
Note: In-situ soil treatment in source Area A with Daramend performed in June 2013.

Chart 19. Monitoring Well MW-105D Time Series Chart



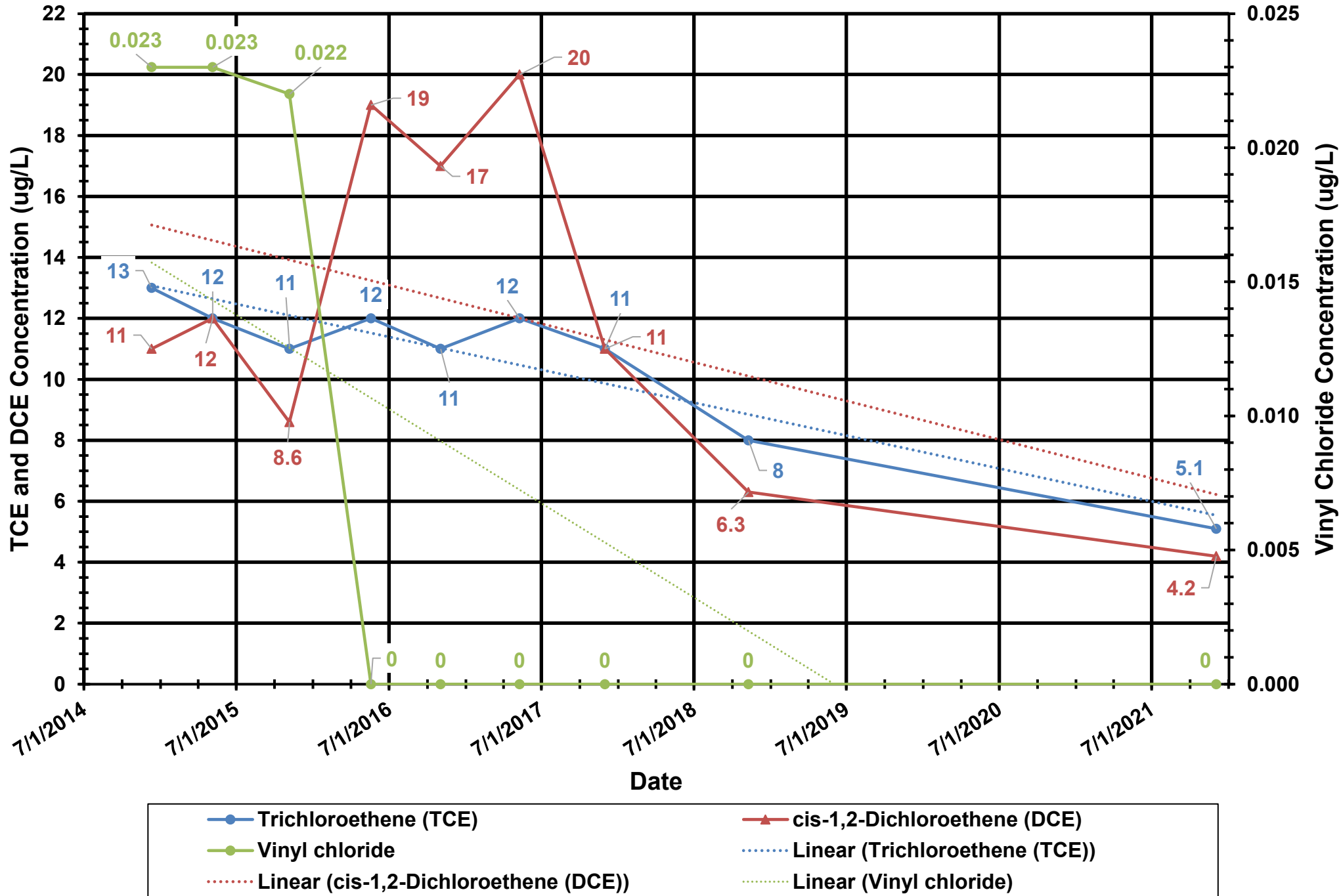
Note: In-situ soil treatment in source Area A with Daramend performed in June 2013.

Chart 20. Monitoring Well MW-105B Time Series Chart



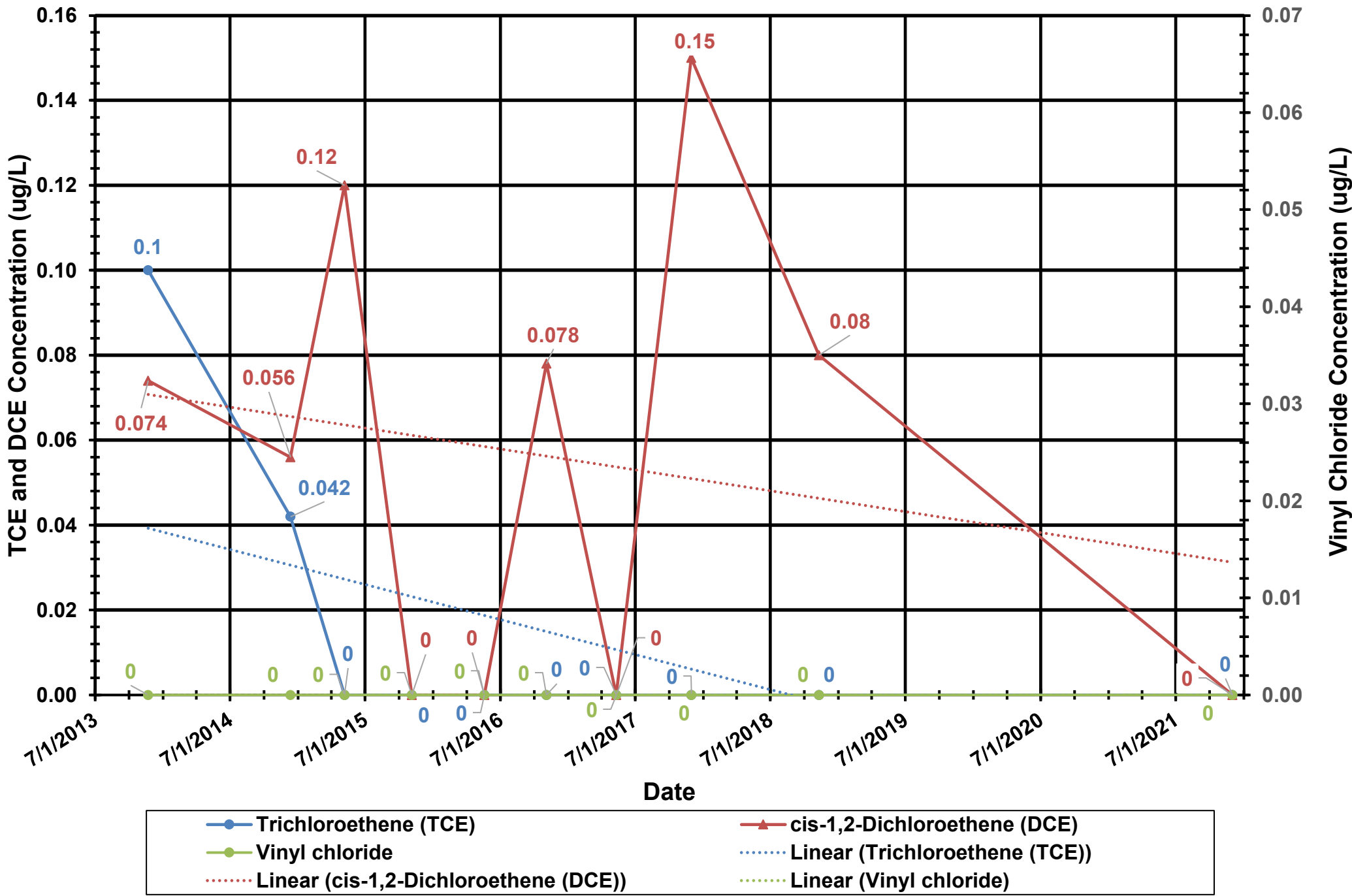
Note: In-situ soil treatment in source Area A with Daramend performed in June 2013.

Chart 21. Monitoring Well TW-202I Time Series Chart



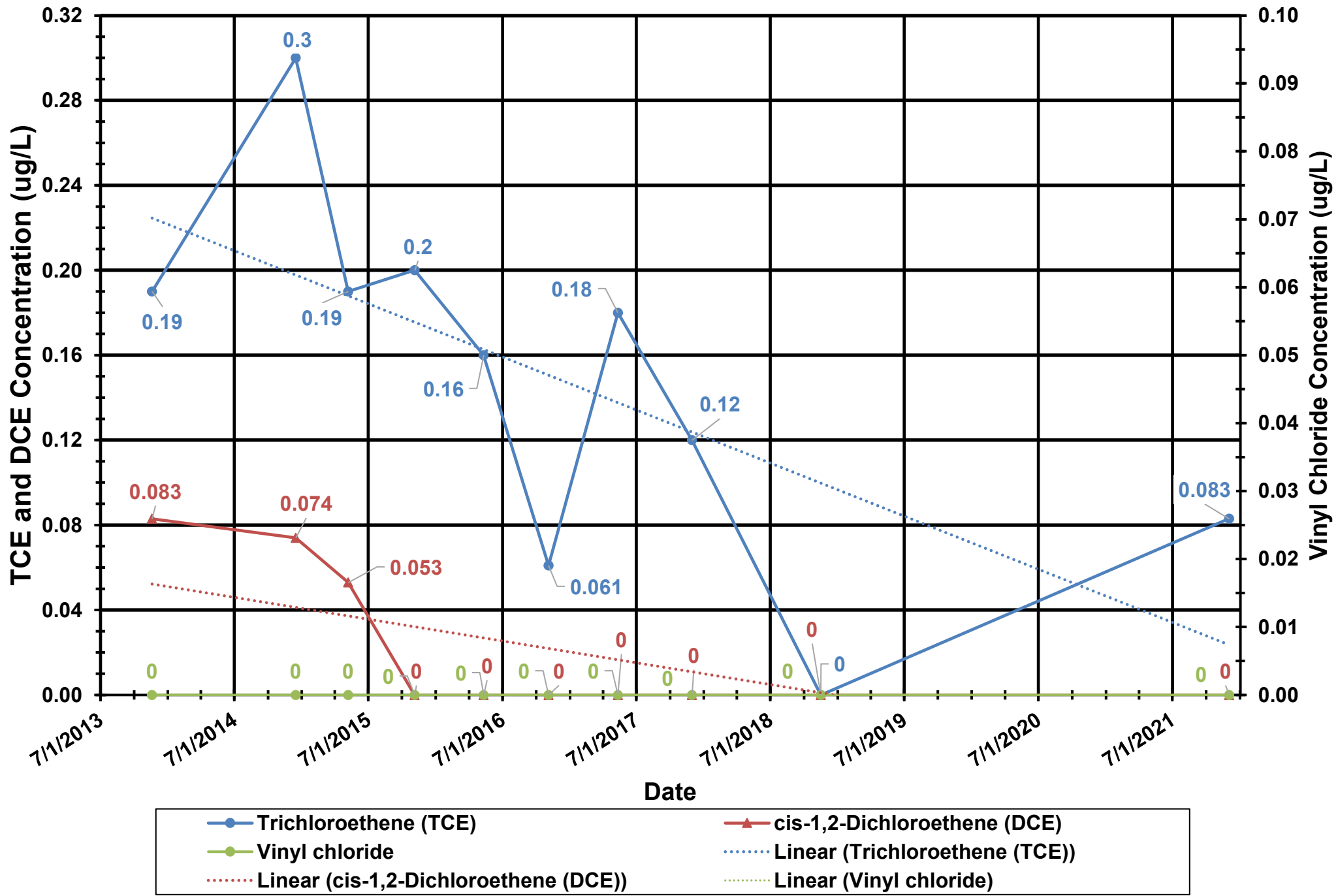
Note: In-situ soil treatment in source Area A with Daramend performed in June 2013.

Chart 22. Monitoring Well OW-6 Time Series Chart



Note: In-situ soil treatment in source Area A with Daramend performed in June 2013.

Chart 23. Monitoring Well MW-14DR Time Series Chart



Note: In-situ soil treatment in source Area A with Daramend performed in June 2013.



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June 28, 2022

APPENDICES



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June 28, 2022

APPENDIX A

**Monitoring Wells and Residential Wells
Outside Sample Spigot Photographs**



Photo #1 MW-1S



Photo #2 MW-1D



Photo #3 MW-104S



Photo #4 MW-104D



Photo #5 MW-5D



Photo #6 MW-9S



Photo #7 MW-103S



Photo #8 MW-103D



Photo #9 OW-6



Photo #10 MW-2D



Photo #11 MW-3D



Photo #12 MW-4D



Photo #13 MW-14DR



Photo #14 MW-105S



Photo #15 MW-105D



Photo #16 MW-105B



Photo #17 MW-16S



Photo #18 MW-12B



Photo #19 MW-12D



Photo #20 MW-12S



Photo #21 TW-2021



Photo #22 MW-106S



Photo #23 MW-106D



Photo #24 MW-13D



Photo #25 MW-13S



Photo #26 MW-4S



Photo #27 MW-15B



Photo #28 MW-15D



Photo #29 MW-15S



Photo #30 MW-102S



Photo #31 MW-102D



Photo #32 MW-101B



Photo #33 MW-101S

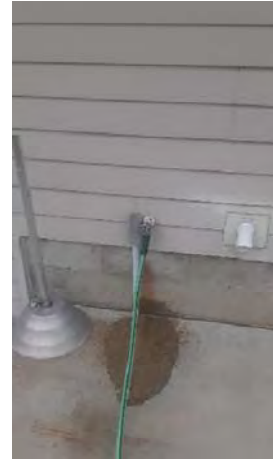


Photo #34 Private Well PW-10 (2607 Elm St.)



Photo #35 Private Well PW-07 (2602 Elm St.)

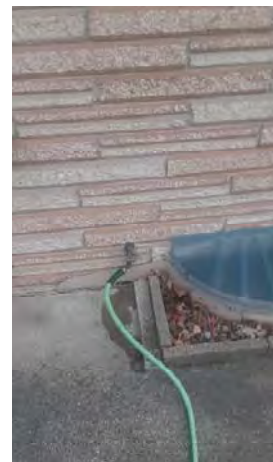


Photo #36 Private Well PW-09 (2606 Elm St.)



Photo #37 Private Well PW-08 (2603 Elm St.)



Photo #38 Private Well PW-05 (2611 County Highway O)

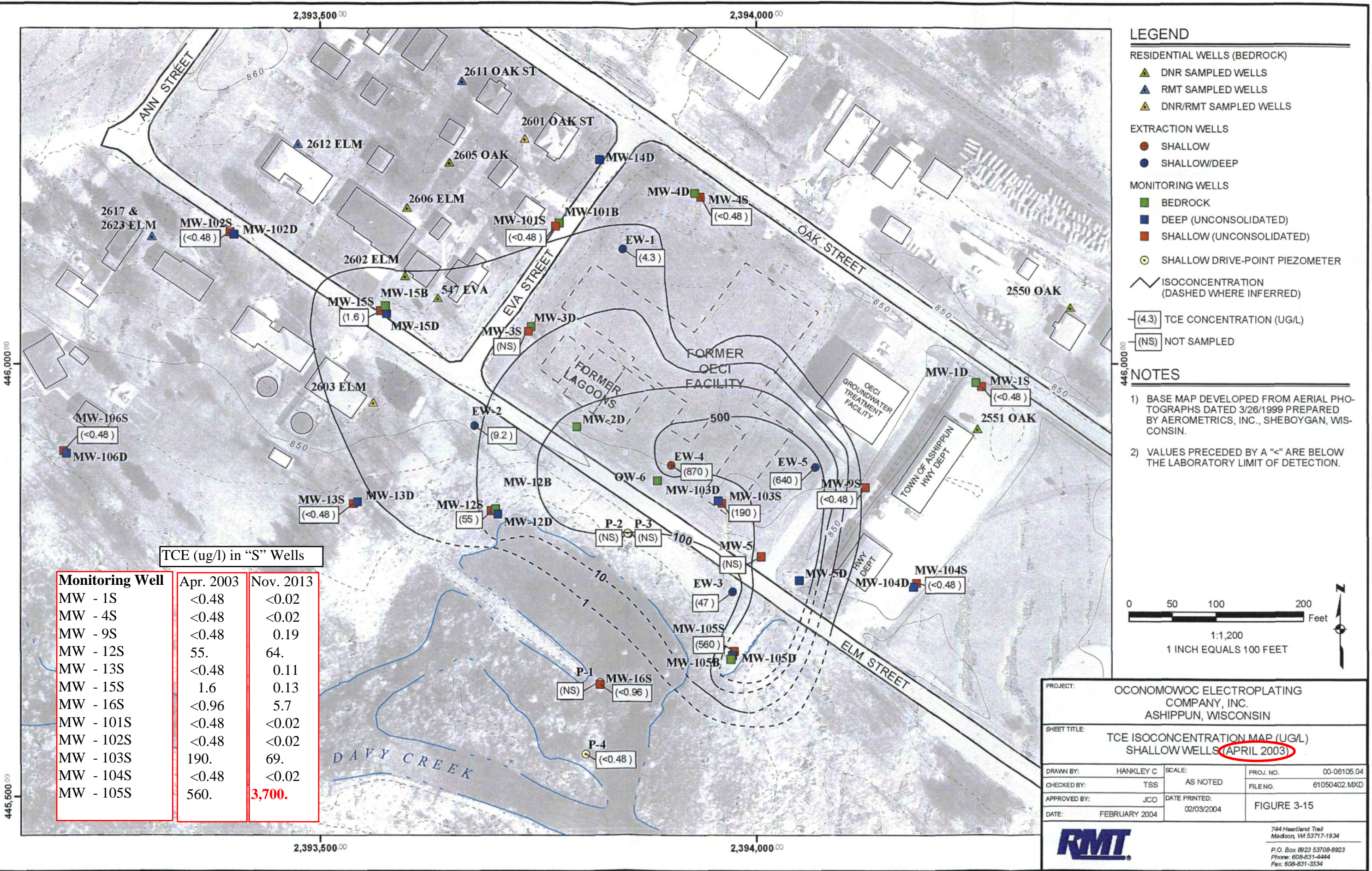


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APPENDIX B

**April 2003, May 2015, May 2016, May 2017, November 2017,
and November 2018 Isoconcentration Maps**



- ### LEGEND
- RESIDENTIAL WELLS (BEDROCK)**
- ▲ DNR SAMPLED WELLS
 - ▲ RMT SAMPLED WELLS
 - ▲ DNR/RMT SAMPLED WELLS
- EXTRACTION WELLS**
- SHALLOW
 - SHALLOW/DEEP
- MONITORING WELLS**
- BEDROCK
 - DEEP (UNCONSOLIDATED)
 - SHALLOW (UNCONSOLIDATED)
 - SHALLOW DRIVE-POINT PIEZOMETER
- ISOCONCENTRATION (DASHED WHERE INFERRED)
- (4.3) TCE CONCENTRATION (UG/L)
- (NS) NOT SAMPLED

- ### NOTES
- 1) BASE MAP DEVELOPED FROM AERIAL PHOTOGRAPHS DATED 3/26/1999 PREPARED BY AEROMETRICS, INC., SHEBOYGAN, WISCONSIN.
 - 2) VALUES PRECEDED BY A "<" ARE BELOW THE LABORATORY LIMIT OF DETECTION.

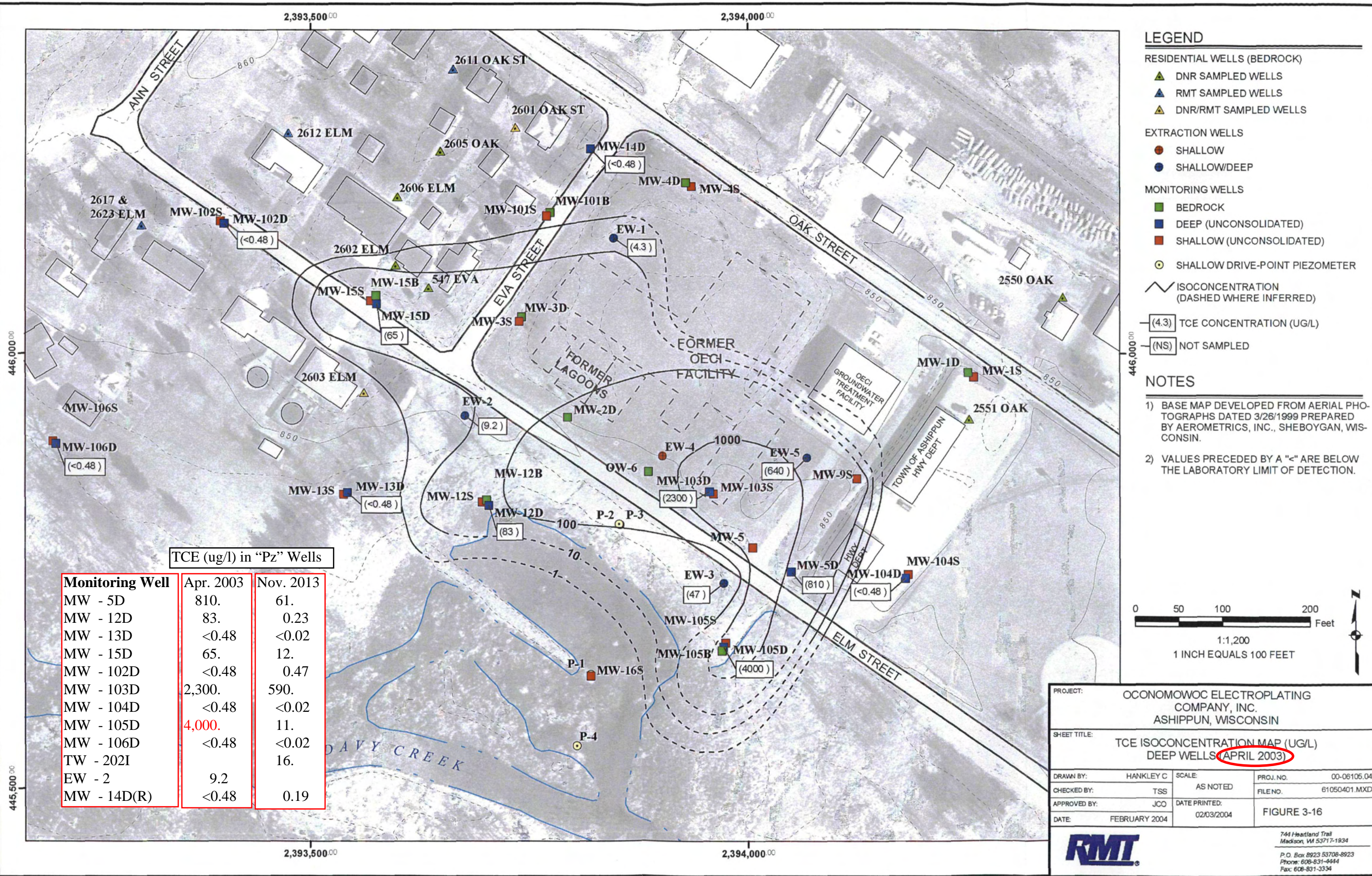
TCE (ug/l) in "S" Wells

Monitoring Well	Apr. 2003	Nov. 2013
MW - 1S	<0.48	<0.02
MW - 4S	<0.48	<0.02
MW - 9S	<0.48	0.19
MW - 12S	55.	64.
MW - 13S	<0.48	0.11
MW - 15S	1.6	0.13
MW - 16S	<0.96	5.7
MW - 101S	<0.48	<0.02
MW - 102S	<0.48	<0.02
MW - 103S	190.	69.
MW - 104S	<0.48	<0.02
MW - 105S	560.	3,700.

PROJECT:		OCONOMOWOC ELECTROPLATING COMPANY, INC. ASHIPPUN, WISCONSIN	
SHEET TITLE:		TCE ISOCONCENTRATION MAP (UG/L) SHALLOW WELLS (APRIL 2003)	
DRAWN BY:	HANKLEY C	SCALE:	AS NOTED
CHECKED BY:	TSS	PROJ. NO.:	00-06105.04
APPROVED BY:	JCO	FILE NO.:	61050402.MXD
DATE:	FEBRUARY 2004	DATE PRINTED:	02/03/2004
		FIGURE 3-15	

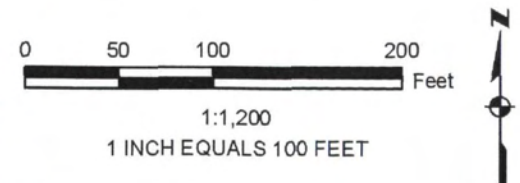
RMT

744 Heartland Trail
Madison, WI 53717-1934
P.O. Box 8923 53708-8923
Phone: 608-831-4444
Fax: 608-831-3334



- ### LEGEND
- RESIDENTIAL WELLS (BEDROCK)
 - ▲ DNR SAMPLED WELLS
 - ▲ RMT SAMPLED WELLS
 - ▲ DNR/RMT SAMPLED WELLS
 - EXTRACTION WELLS
 - SHALLOW
 - SHALLOW/DEEP
 - MONITORING WELLS
 - BEDROCK
 - DEEP (UNCONSOLIDATED)
 - SHALLOW (UNCONSOLIDATED)
 - SHALLOW DRIVE-POINT PIEZOMETER
 - ISOCONCENTRATION (DASHED WHERE INFERRED)
 - (4.3) TCE CONCENTRATION (UG/L)
 - (NS) NOT SAMPLED

- ### NOTES
- 1) BASE MAP DEVELOPED FROM AERIAL PHOTOGRAPHS DATED 3/26/1999 PREPARED BY AEROMETRICS, INC., SHEBOYGAN, WISCONSIN.
 - 2) VALUES PRECEDED BY A "<" ARE BELOW THE LABORATORY LIMIT OF DETECTION.

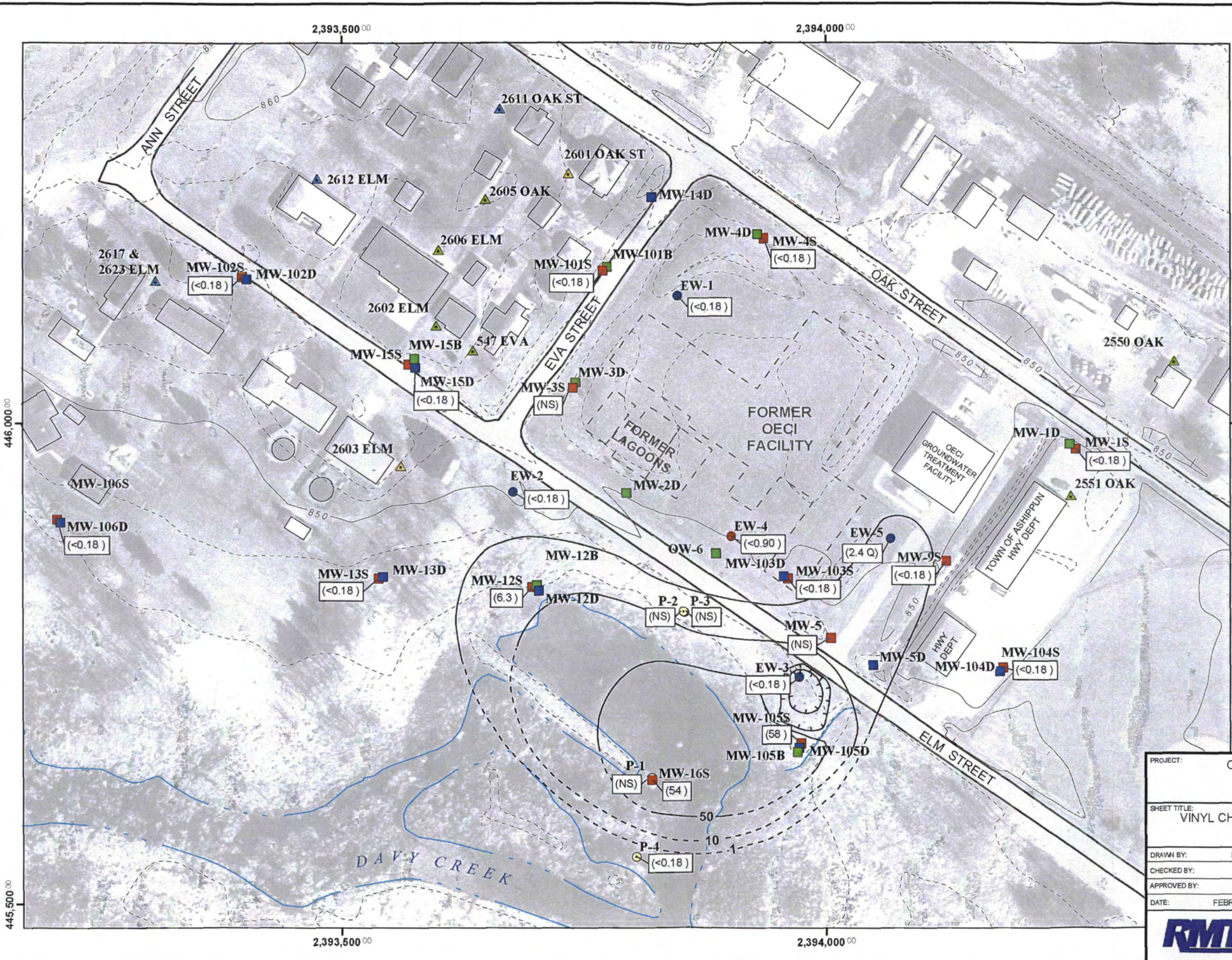


TCE (ug/l) in "Pz" Wells

Monitoring Well	Apr. 2003	Nov. 2013
MW - 5D	810.	61.
MW - 12D	83.	0.23
MW - 13D	<0.48	<0.02
MW - 15D	65.	12.
MW - 102D	<0.48	0.47
MW - 103D	2,300.	590.
MW - 104D	<0.48	<0.02
MW - 105D	4,000.	11.
MW - 106D	<0.48	<0.02
TW - 2021		16.
EW - 2	9.2	
MW - 14D(R)	<0.48	0.19

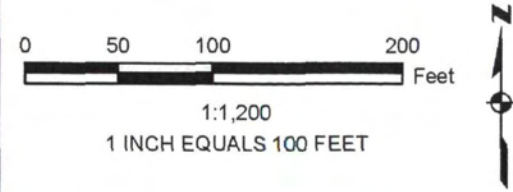
PROJECT: OCONOMOWOC ELECTROPLATING COMPANY, INC. ASHIPPUN, WISCONSIN			
SHEET TITLE: TCE ISOCONCENTRATION MAP (UG/L) DEEP WELLS (APRIL 2003)			
DRAWN BY: HANKLEY C	SCALE: AS NOTED	PROJ. NO: 00-06105.04	
CHECKED BY: TSS	DATE PRINTED: 02/03/2004	FILE NO: 61050401.MXD	
APPROVED BY: JCO			FIGURE 3-16
DATE: FEBRUARY 2004			

RMT
 744 Heartland Trail
 Madison, WI 53717-1934
 P.O. Box 8923 53708-8923
 Phone: 608-831-4444
 Fax: 608-831-3334



- ### LEGEND
- RESIDENTIAL WELLS (BEDROCK)**
 - ▲ DNR SAMPLED WELLS
 - ▲ RMT SAMPLED WELLS
 - ▲ DNR/RMT SAMPLED WELLS
 - EXTRACTION WELLS**
 - SHALLOW
 - SHALLOW/DEEP
 - MONITORING WELLS**
 - BEDROCK
 - DEEP (UNCONSOLIDATED)
 - SHALLOW (UNCONSOLIDATED)
 - SHALLOW DRIVE-POINT PIEZOMETER
 - ISOCONCENTRATION (DASHED WHERE INFERRED)**
 - (4.3) VINYL CHLORIDE CONCENTRATION (UG/L)**
 - (NS) NOT SAMPLED**

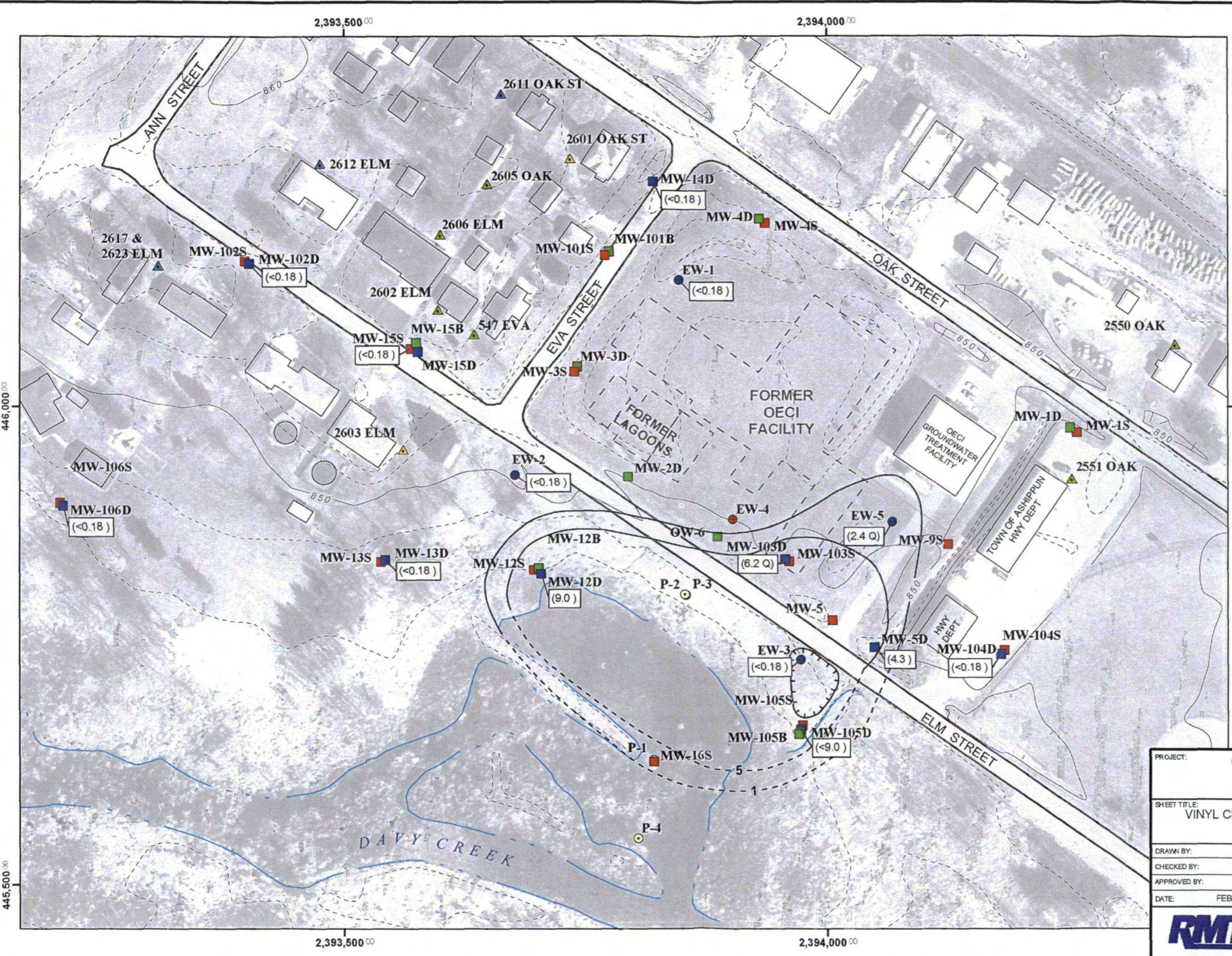
- ### NOTES
- 1) BASE MAP DEVELOPED FROM AERIAL PHOTOGRAPHS DATED 3/26/1999 PREPARED BY AEROMETRICS, INC., SHEBOYGAN, WISCONSIN.
 - 2) VALUES PRECEDED BY A "<" ARE BELOW THE LABORATORY LIMIT OF DETECTION.
 - 3) THE LOW CONCENTRATION AT EW-1 IS LIKELY DUE TO DISCHARGE OF CLEAN WATER FROM THE INFILTRATION GALLERY.



PROJECT:		OCONOMOWOC ELECTROPLATING COMPANY, INC. ASHIPPUN, WISCONSIN	
SHEET TITLE:		VINYL CHLORIDE ISOCONCENTRATION MAP (UG/L) SHALLOW WELLS (APRIL 2003)	
DRAWN BY:	HANKLEY C	SCALE:	AS NOTED
CHECKED BY:	TSS	PROJ. NO.:	00-06105.04
APPROVED BY:	JCO	FILE NO.:	61050403.MXD
DATE:	FEBRUARY 2004	DATE PRINTED:	02/03/2004
		FIGURE 3-17	



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P.O. Box 8923 53708-8923
Phone: 608-831-4444
Fax: 608-831-3334



LEGEND

RESIDENTIAL WELLS (BEDROCK)

- ▲ DNR SAMPLED WELLS
- ▲ RMT SAMPLED WELLS
- ▲ DNR/RMT SAMPLED WELLS

EXTRACTION WELLS

- SHALLOW
- SHALLOW/DEEP

MONITORING WELLS

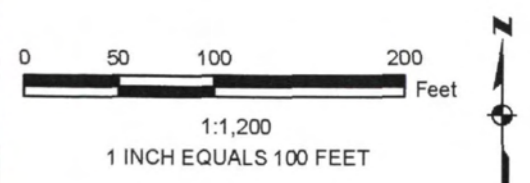
- BEDROCK
- DEEP (UNCONSOLIDATED)
- SHALLOW (UNCONSOLIDATED)
- SHALLOW DRIVE-POINT PIEZOMETER

— ISOCONCENTRATION (DASHED WHERE INFERRED)

(4.3) VINYL CHLORIDE CONCENTRATION (UG/L)

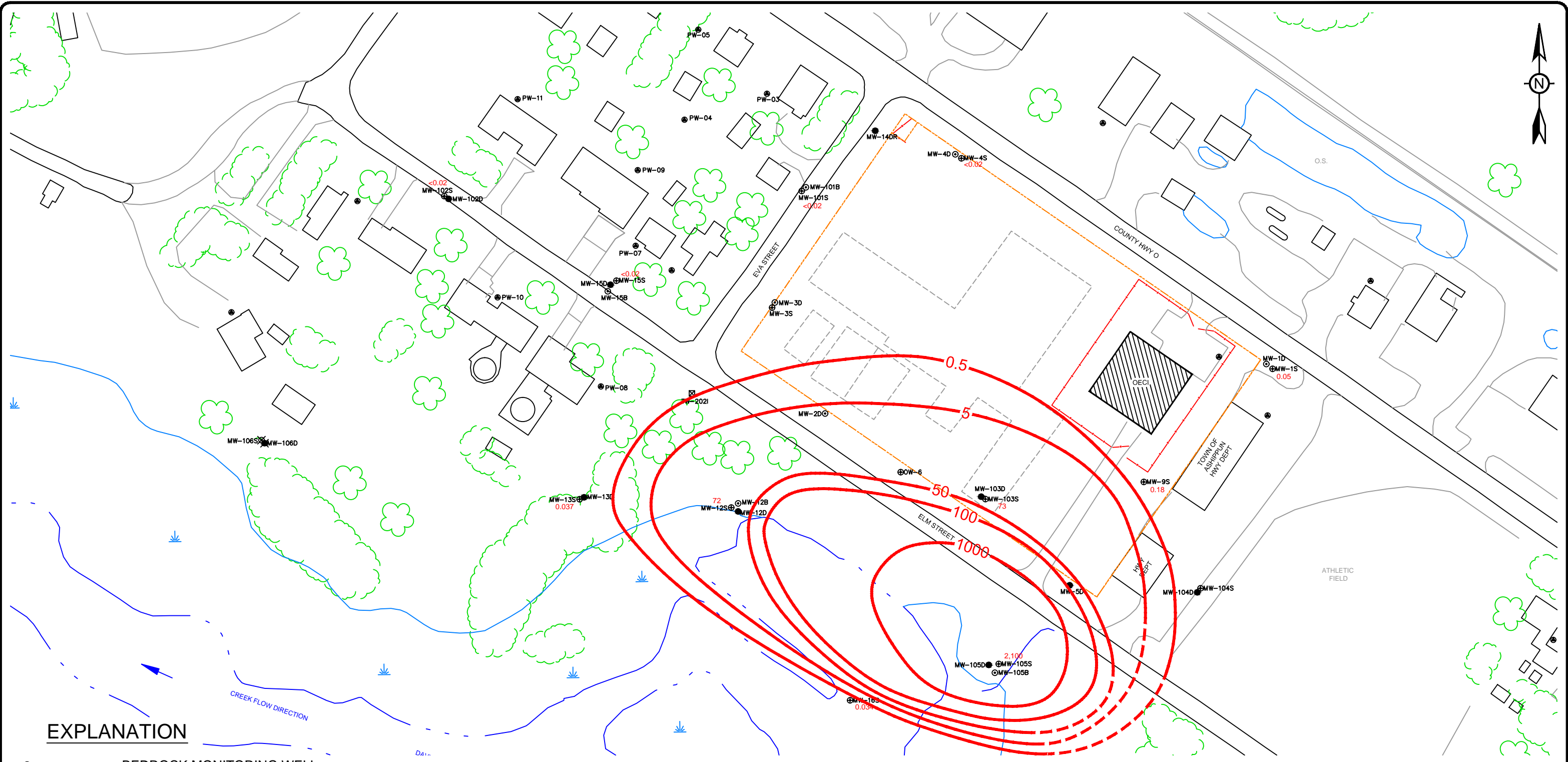
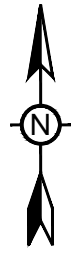
(NS) NOT SAMPLED

- ### NOTES
- 1) BASE MAP DEVELOPED FROM AERIAL PHOTOGRAPHS DATED 3/26/1999 PREPARED BY AEROMETRICS, INC., SHEBOYGAN, WISCONSIN.
 - 2) VALUES PRECEDED BY A "<" ARE BELOW THE LABORATORY LIMIT OF DETECTION.
 - 3) THE LOW CONCENTRATION AT EW-1 IS LIKELY DUE TO DISCHARGE OF CLEAN WATER FROM THE INFILTRATION GALLERY.



PROJECT: OCONOMOWOC ELECTROPLATING COMPANY, INC. ASHIPPUN, WISCONSIN		
SHEET TITLE: VINYL CHLORIDE ISOCONCENTRATION MAP (UG/L) DEEP WELLS (APRIL 2003)		
DRAWN BY: HANKLEY C	SCALE: AS NOTED	PROJ. NO. 00-06105.04
CHECKED BY: TSS		FILE NO. 61050404.MXD
APPROVED BY: JCO	DATE PRINTED: 02/03/2004	FIGURE 3-18
DATE: FEBRUARY 2004		

744 Heartland Trail
Madison, WI 53717-1934
P.O. Box 8923 53708-8923
Phone: 608-831-4444
Fax: 608-831-3334

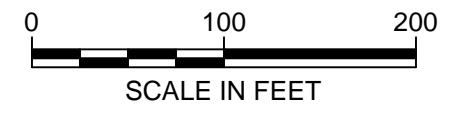


EXPLANATION

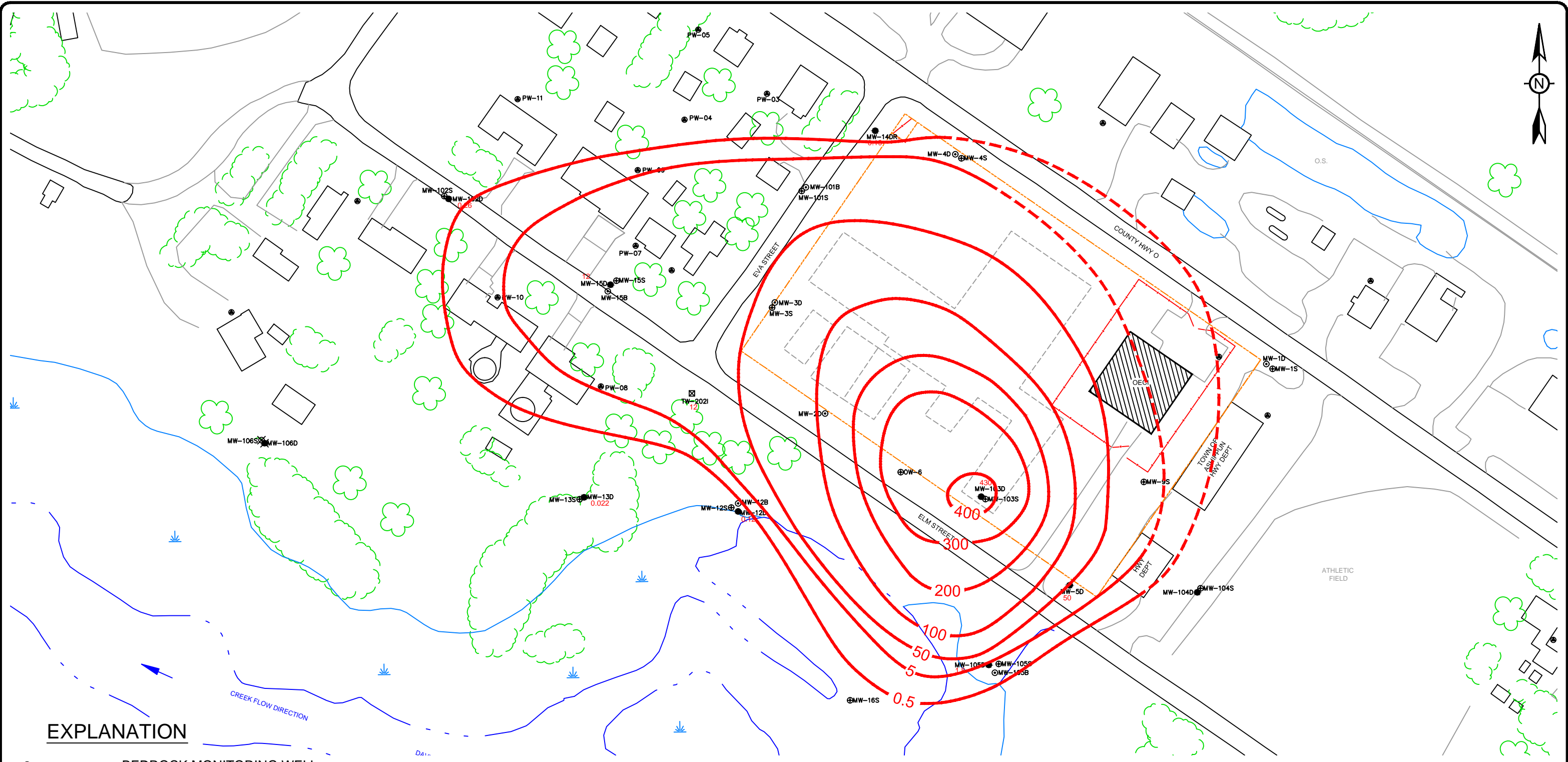
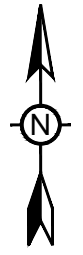
- ⊙MW-105B BEDROCK MONITORING WELL
- MW-105D DEEP UNCONSOLIDATED MONITORING WELL
- ⊕MW-105S SHALLOW UNCONSOLIDATED MONITORING WELL
- ⊙PW-11 RESIDENTIAL WELL
- ⊗MW-106D DEEP UNCONSOLIDATED SENTINEL WELL
- ⊗MW-106S SHALLOW UNCONSOLIDATED SENTINEL WELL
- ⊠TW-2021 TEMPORARY WELL
- FORMER OECI SITE BOUNDARY
- - - - - FENCED AREA

72 TCE CONCENTRATION (ug/L)

50 TCE ISOCONCENTRATION CONTOUR (ug/L)
DASHED WHERE INFERRED



TITLE: OCONOMOWOC ELECTROPLATING COMPANY, INC. MAY 2015 SAMPLING EVENT SHALLOW-DEPTH MONITORING WELLS TCE ISOCONCENTRATION MAP			
LOCATION:		ASHIPPUN, WISCONSIN	
	CHECKED	MAM	FIGURE: 5
	DRAFTED	HJW	
	PROJECT	117-7413001	
DATE	7/6/15		

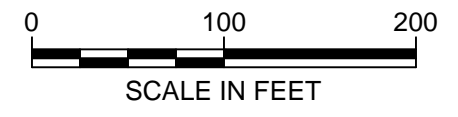


EXPLANATION

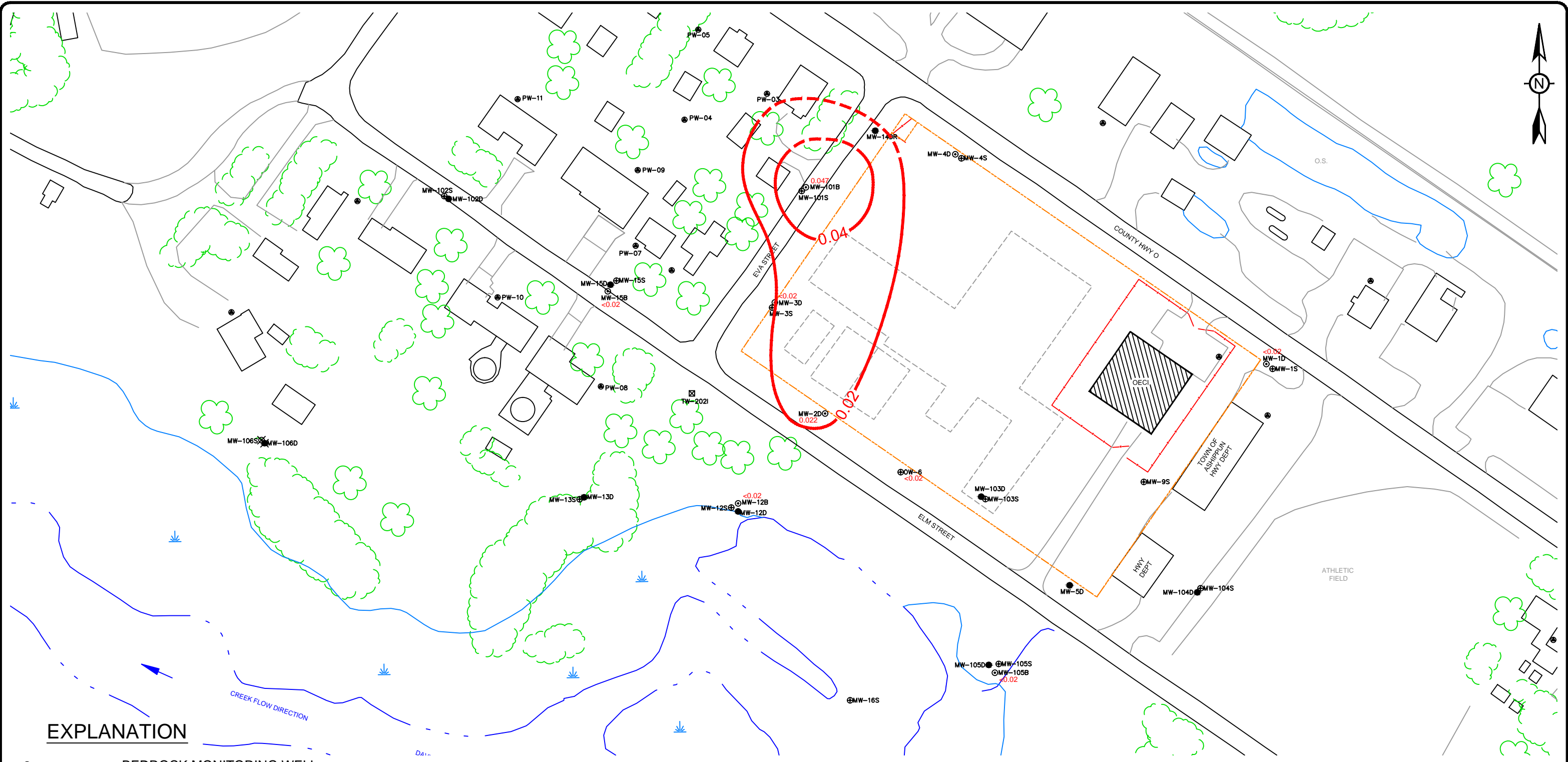
- ⊙MW-105B BEDROCK MONITORING WELL
- MW-105D DEEP UNCONSOLIDATED MONITORING WELL
- ⊕MW-105S SHALLOW UNCONSOLIDATED MONITORING WELL
- ⊙PW-11 RESIDENTIAL WELL
- ⊗MW-106D DEEP UNCONSOLIDATED SENTINEL WELL
- ⊗MW-106S SHALLOW UNCONSOLIDATED SENTINEL WELL
- ⊠TW-2021 TEMPORARY WELL
- FORMER OECI SITE BOUNDARY
- - - - - FENCED AREA

50 TCE CONCENTRATION (ug/L)

50 TCE ISOCONCENTRATION CONTOUR (ug/L)
DASHED WHERE INFERRED



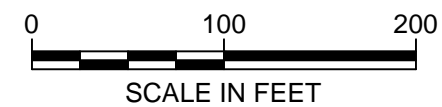
TITLE: OCONOMOWOC ELECTROPLATING COMPANY, INC. MAY 2015 SAMPLING EVENT MID-DEPTH MONITORING WELLS TCE ISOCONCENTRATION MAP			
LOCATION: ASHIPUN, WISCONSIN			
	CHECKED	MAM	FIGURE: 6
	DRAFTED	HJW	
	PROJECT	117-7413001	
	DATE	7/10/12	



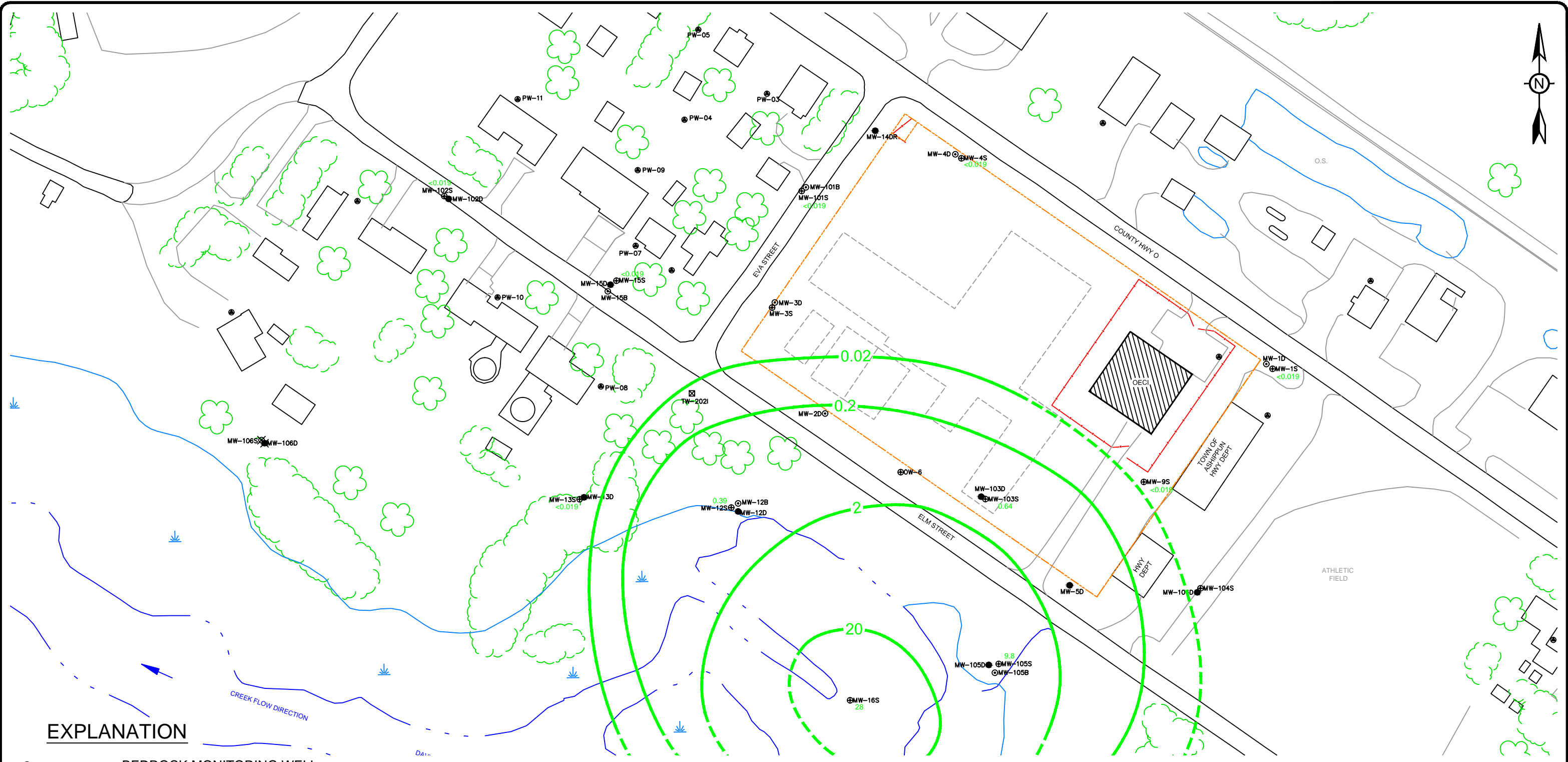
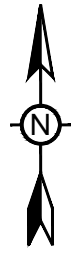
EXPLANATION

- ⊙MW-105B BEDROCK MONITORING WELL
- MW-105D DEEP UNCONSOLIDATED MONITORING WELL
- ⊕MW-105S SHALLOW UNCONSOLIDATED MONITORING WELL
- ⊙PW-11 RESIDENTIAL WELL
- ⊗MW-106D DEEP UNCONSOLIDATED SENTINEL WELL
- ⊗MW-106S SHALLOW UNCONSOLIDATED SENTINEL WELL
- ⊠TW-2021 TEMPORARY WELL
- FORMER OECl SITE BOUNDARY
- - - - - FENCED AREA

0.047
— 0.04 —
 TCE CONCENTRATION (ug/L)
 TCE ISOCONCENTRATION CONTOUR (ug/L)
 DASHED WHERE INFERRED



TITLE: OCONOMOWOC ELECTROPLATING COMPANY, INC. MAY 2015 SAMPLING EVENT BEDROCK MONITORING WELLS TCE ISOCONCENTRATION MAP			
LOCATION: ASHIPUN, WISCONSIN			
TETRA TECH	CHECKED	MAM	FIGURE: 7
	DRAFTED	HJW	
	PROJECT	117-7413001	
	DATE	7/10/12	



EXPLANATION

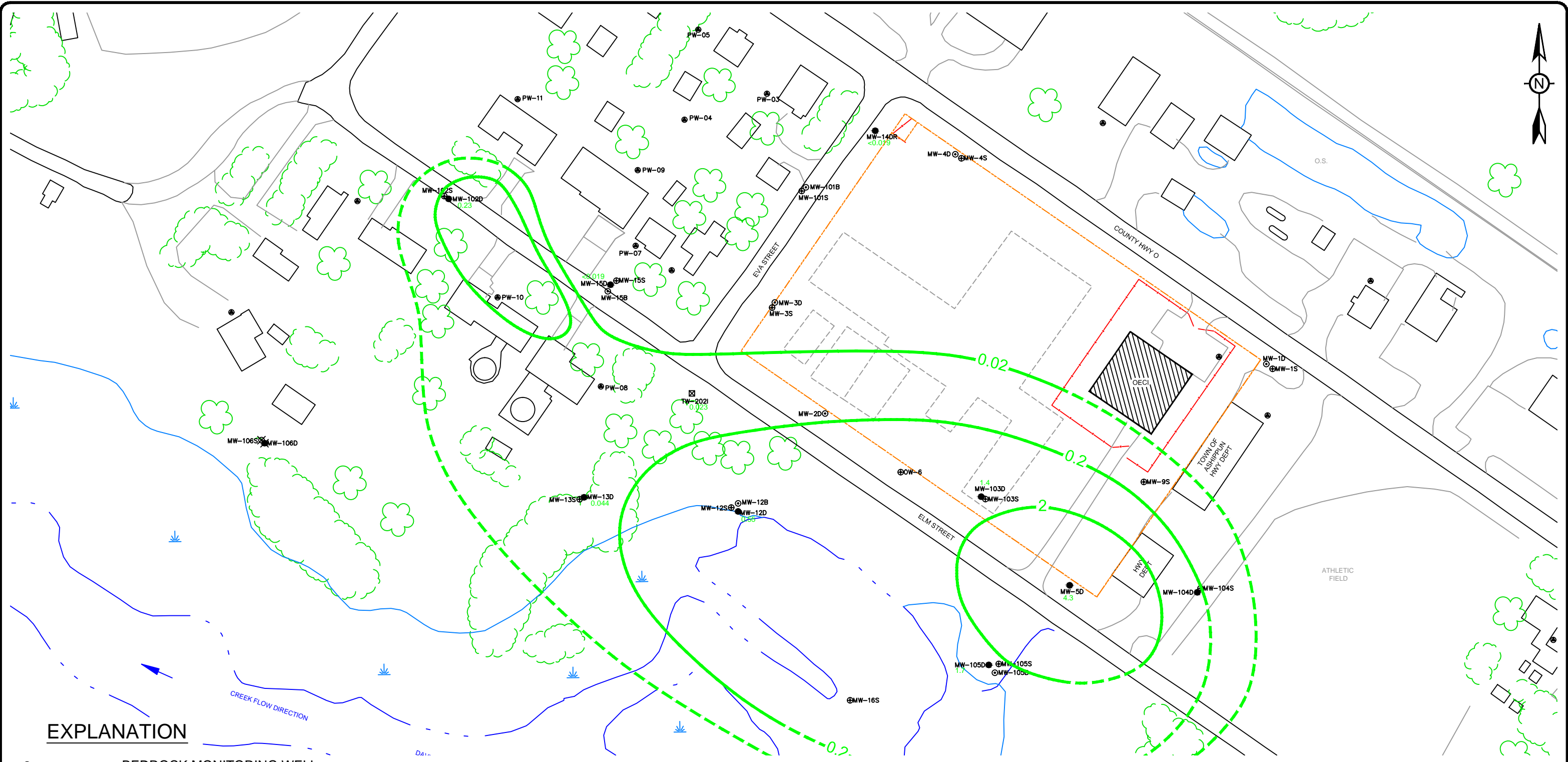
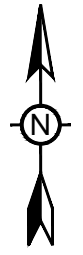
- ⊙MW-105B BEDROCK MONITORING WELL
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- ⊗MW-106D DEEP UNCONSOLIDATED SENTINEL WELL
- ⊗MW-106S SHALLOW UNCONSOLIDATED SENTINEL WELL
- ⊠TW-2021 TEMPORARY WELL
- FORMER OEI SITE BOUNDARY
- - - - - FENCED AREA

28
2.0

VINYL CHLORIDE CONCENTRATION (ug/L)
 VINYL CHLORIDE ISOCONCENTRATION CONTOUR (ug/L)
 DASHED WHERE INFERRED



TITLE: OCONOMOWOC ELECTROPLATING COMPANY, INC. MAY 2015 SAMPLING EVENT SHALLOW-DEPTH MONITORING WELLS VINYL CHLORIDE ISOCONCENTRATION MAP			
LOCATION: ASHIPUN, WISCONSIN			
	CHECKED	MAM	FIGURE: 8
	DRAFTED	HJW	
	PROJECT	117-7413001	
DATE	8/20/15		



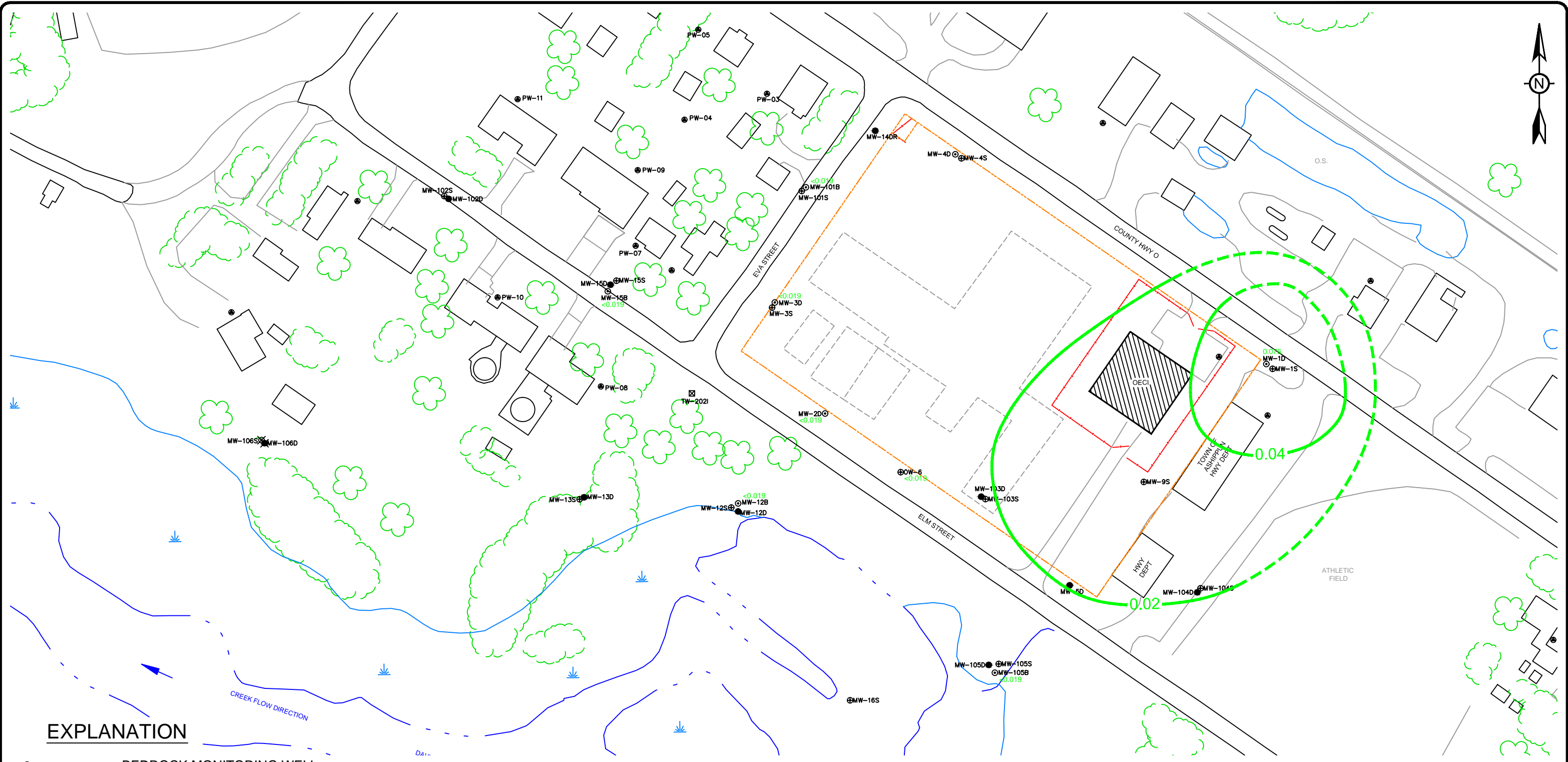
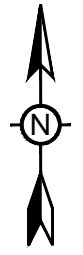
EXPLANATION

- ⊙MW-105B BEDROCK MONITORING WELL
- MW-105D DEEP UNCONSOLIDATED MONITORING WELL
- ⊕MW-105S SHALLOW UNCONSOLIDATED MONITORING WELL
- ⊙PW-11 RESIDENTIAL WELL
- ⊗MW-106D DEEP UNCONSOLIDATED SENTINEL WELL
- ⊗MW-106S SHALLOW UNCONSOLIDATED SENTINEL WELL
- ⊠TW-2021 TEMPORARY WELL
- FORMER OECI SITE BOUNDARY
- - - - - FENCED AREA

4.3
 2.0
 VINYL CHLORIDE CONCENTRATION (ug/L)
 VINYL CHLORIDE ISOCONCENTRATION CONTOUR (ug/L)
 DASHED WHERE INFERRED



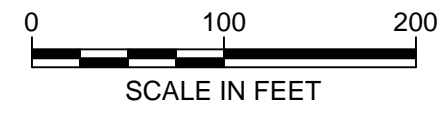
TITLE: OCONOMOWOC ELECTROPLATING COMPANY, INC. MAY 2015 SAMPLING EVENT MID-DEPTH MONITORING WELLS VINYL CHLORIDE ISOCONCENTRATION MAP			
LOCATION: ASHIPPUN, WISCONSIN			
TETRA TECH	CHECKED	MAM	FIGURE: 9
	DRAFTED	HJW	
	PROJECT	117-7413001	
	DATE	7/10/12	



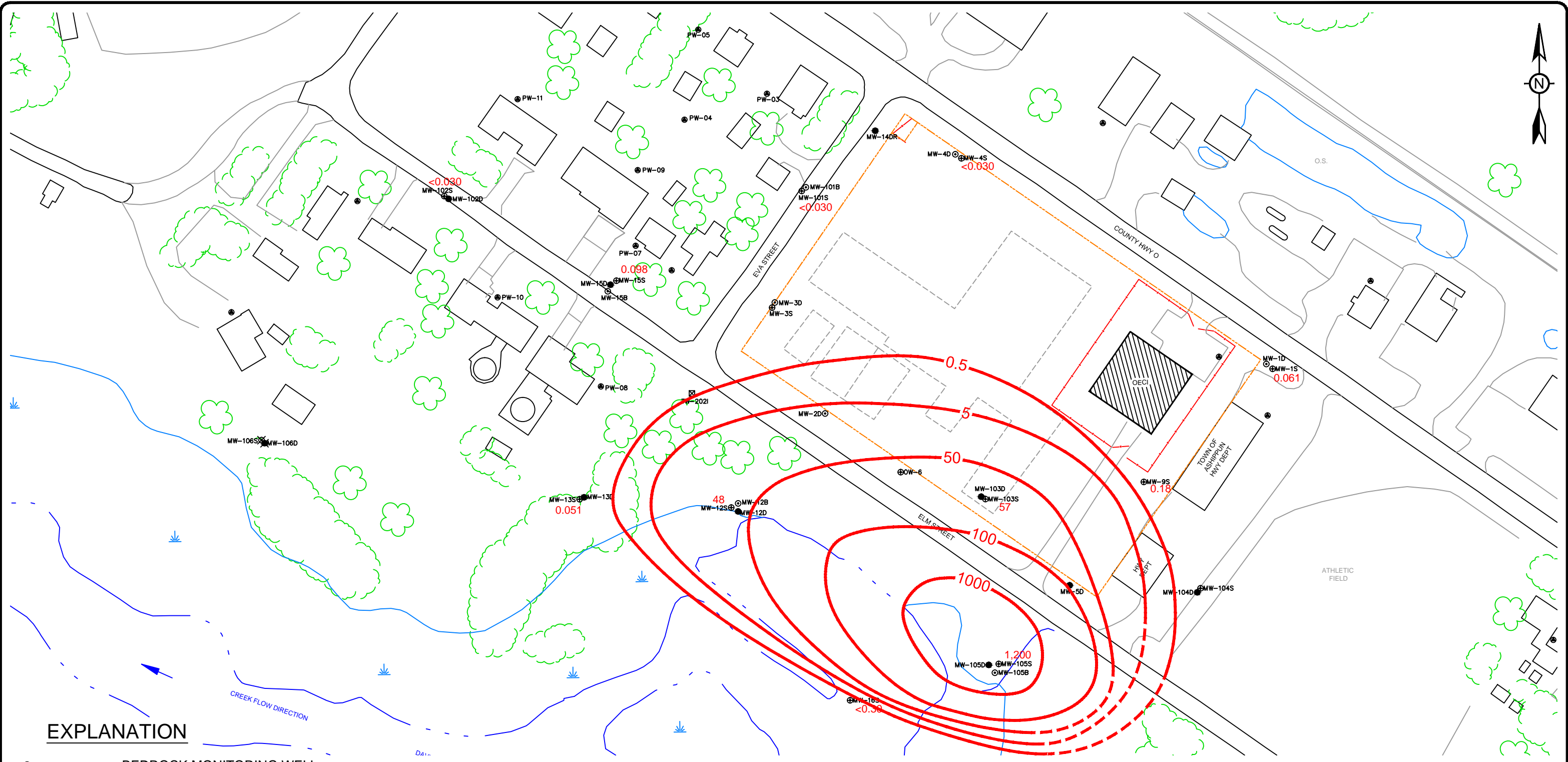
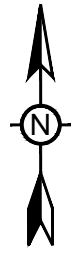
EXPLANATION

- ⊙MW-105B BEDROCK MONITORING WELL
- MW-105D DEEP UNCONSOLIDATED MONITORING WELL
- ⊕MW-105S SHALLOW UNCONSOLIDATED MONITORING WELL
- ⊙PW-11 RESIDENTIAL WELL
- ⊗MW-106D DEEP UNCONSOLIDATED SENTINEL WELL
- ⊗MW-106S SHALLOW UNCONSOLIDATED SENTINEL WELL
- ⊠TW-2021 TEMPORARY WELL
- FORMER OECI SITE BOUNDARY
- - - - - FENCED AREA

0.076 VINYL CHLORIDE CONCENTRATION (ug/L)
 0.04 VINYL CHLORIDE ISOCONCENTRATION CONTOUR (ug/L)
 DASHED WHERE INFERRED



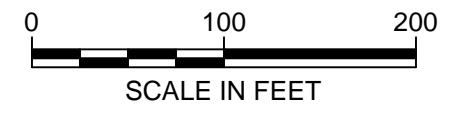
TITLE: OCONOMOWOC ELECTROPLATING COMPANY, INC. MAY 2015 SAMPLING EVENT BEDROCK MONITORING WELLS VINYL CHLORIDE ISOCONCENTRATION MAP			
LOCATION: ASHIPPUN, WISCONSIN			
	CHECKED	MAM	FIGURE: 10
	DRAFTED	HJW	
	PROJECT	117-7413001	
DATE	7/6/15		



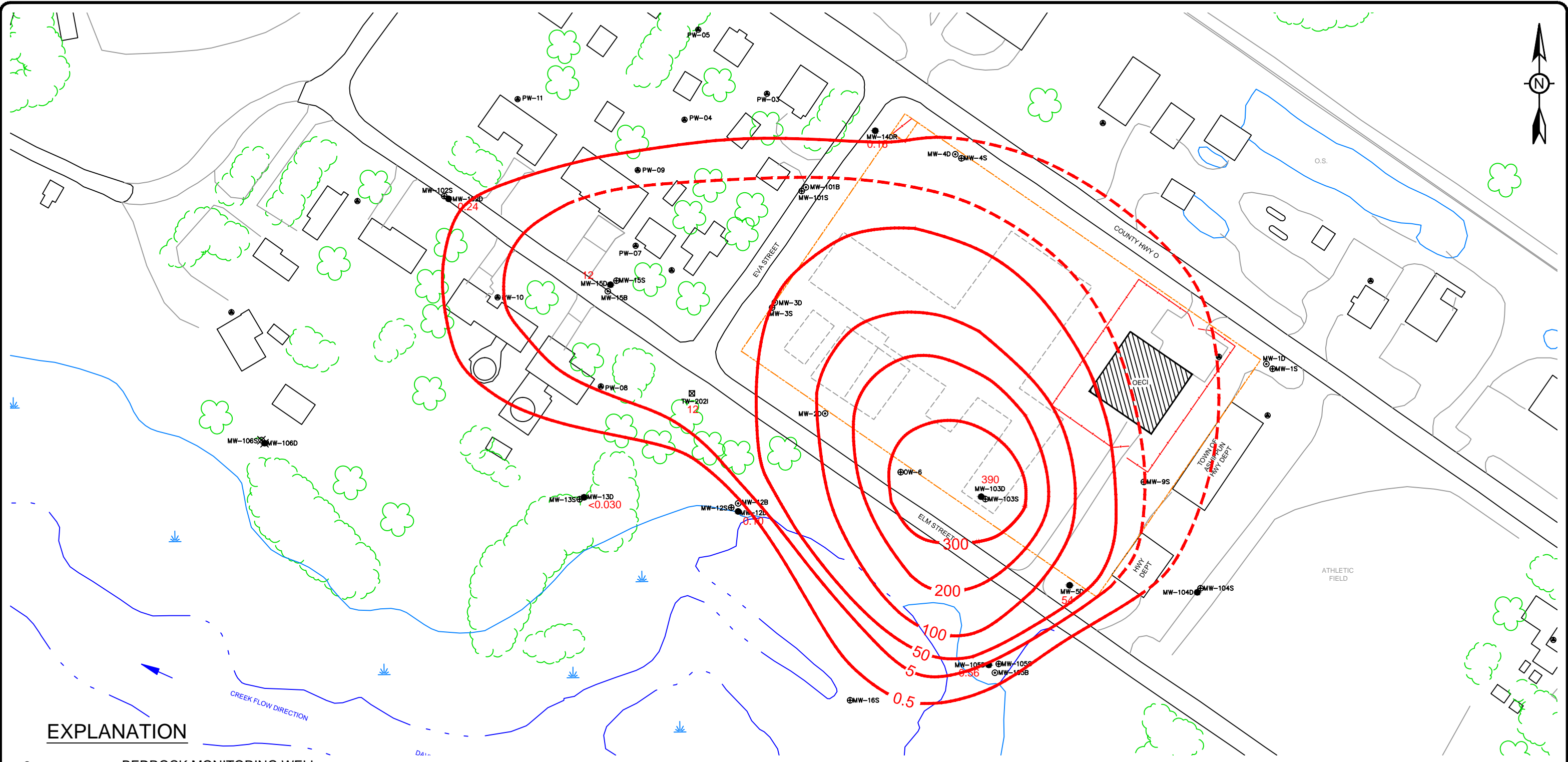
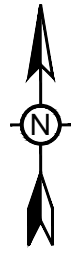
EXPLANATION

- ⊙MW-105B BEDROCK MONITORING WELL
- MW-105D DEEP UNCONSOLIDATED MONITORING WELL
- ⊕MW-105S SHALLOW UNCONSOLIDATED MONITORING WELL
- ⊙PW-11 RESIDENTIAL WELL
- ⊗MW-106D DEEP UNCONSOLIDATED SENTINEL WELL
- ⊗MW-106S SHALLOW UNCONSOLIDATED SENTINEL WELL
- ⊠TW-2021 TEMPORARY WELL
- FORMER OECI SITE BOUNDARY
- - - - - FENCED AREA

72
 50
 TCE CONCENTRATION (ug/L)
 TCE ISOCONCENTRATION CONTOUR (ug/L)
 DASHED WHERE INFERRED



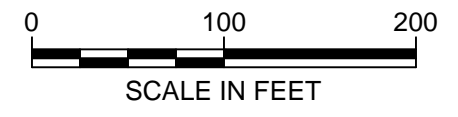
TITLE: OCONOMOWOC ELECTROPLATING COMPANY, INC. MAY 2016 SAMPLING EVENT SHALLOW-DEPTH MONITORING WELLS TCE ISOCONCENTRATION MAP		
LOCATION: ASHIPUN, WISCONSIN		
	CHECKED	MAM
	DRAFTED	HJW
	PROJECT	117-7413001
DATE	6/20/16	FIGURE: 5



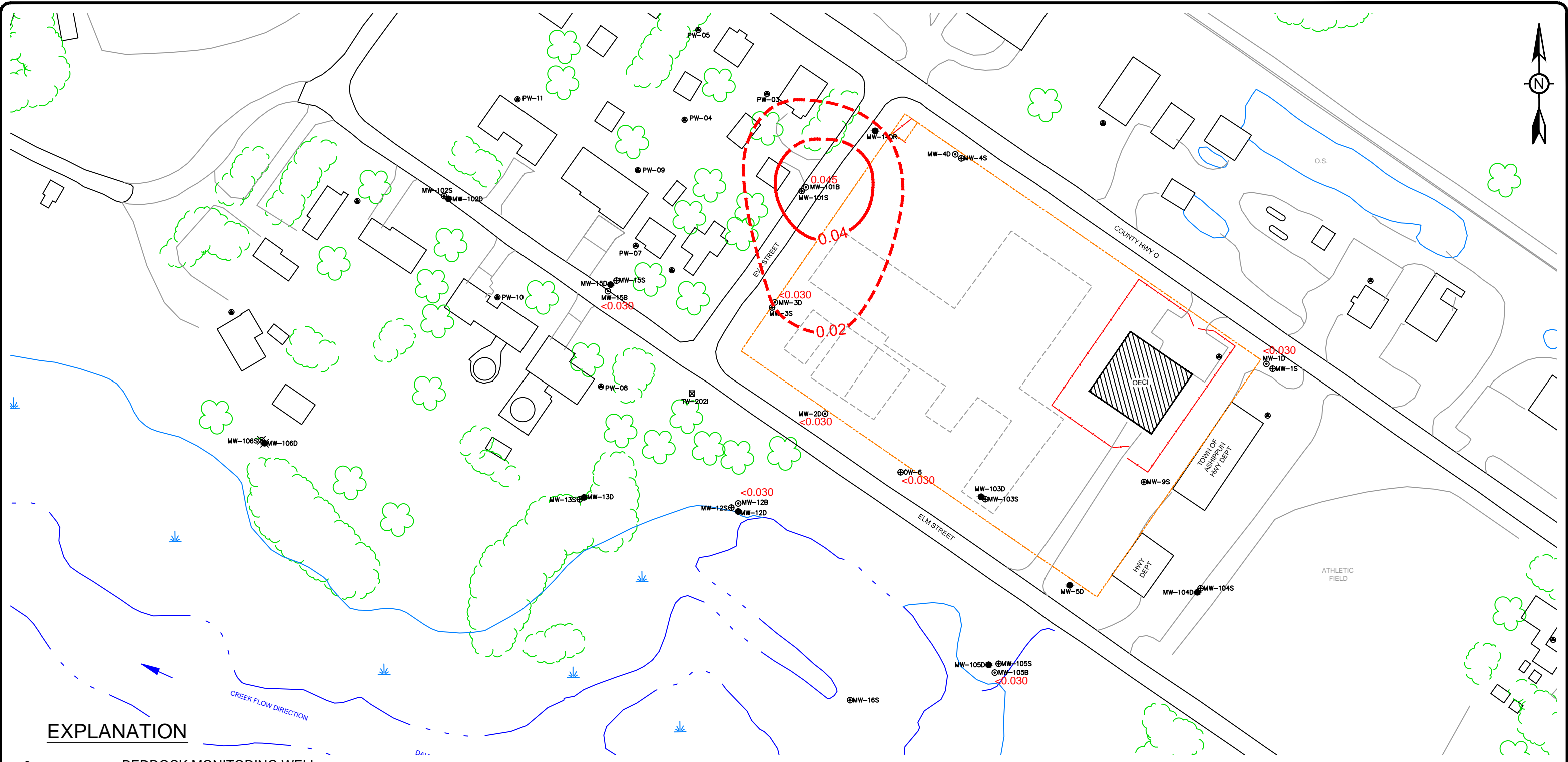
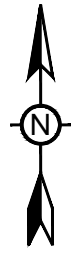
EXPLANATION

- ⊙MW-105B BEDROCK MONITORING WELL
- MW-105D DEEP UNCONSOLIDATED MONITORING WELL
- ⊕MW-105S SHALLOW UNCONSOLIDATED MONITORING WELL
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- ⊗MW-106D DEEP UNCONSOLIDATED SENTINEL WELL
- ⊗MW-106S SHALLOW UNCONSOLIDATED SENTINEL WELL
- ⊠TW-2021 TEMPORARY WELL
- FORMER OECl SITE BOUNDARY
- - - - - FENCED AREA

50 TCE CONCENTRATION (ug/L)
 50 TCE ISOCONCENTRATION CONTOUR (ug/L)
 DASHED WHERE INFERRED



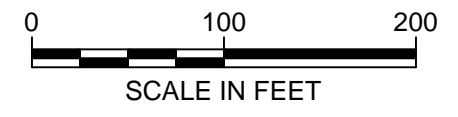
TITLE: OCONOMOWOC ELECTROPLATING COMPANY, INC. MAY 2016 SAMPLING EVENT MID-DEPTH MONITORING WELLS TCE ISOCONCENTRATION MAP			
LOCATION: ASHIPUN, WISCONSIN			
	CHECKED	MAM	FIGURE: 6
	DRAFTED	HJW	
	PROJECT	117-7413001	
	DATE	6/20/16	



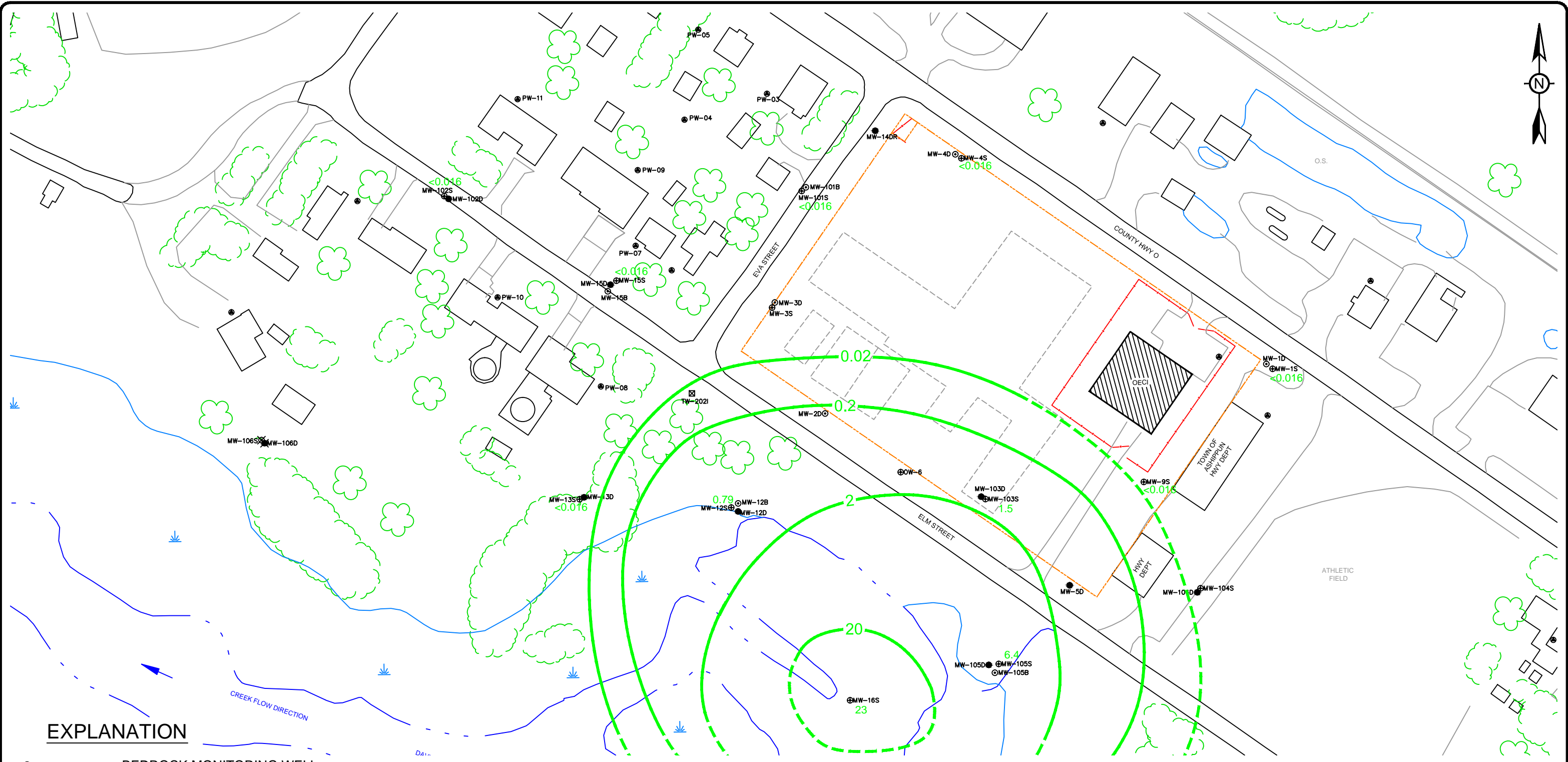
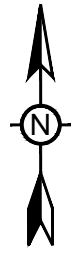
EXPLANATION

- ⊙MW-105B BEDROCK MONITORING WELL
- MW-105D DEEP UNCONSOLIDATED MONITORING WELL
- ⊕MW-105S SHALLOW UNCONSOLIDATED MONITORING WELL
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- ⊗MW-106S SHALLOW UNCONSOLIDATED SENTINEL WELL
- ⊠TW-2021 TEMPORARY WELL
- FORMER OECI SITE BOUNDARY
- - - - - FENCED AREA

0.047
— 0.04 —
 TCE CONCENTRATION (ug/L)
 TCE ISOCONCENTRATION CONTOUR (ug/L)
 DASHED WHERE INFERRED



TITLE: OCONOMOWOC ELECTROPLATING COMPANY, INC. MAY 2016 SAMPLING EVENT BEDROCK MONITORING WELLS TCE ISOCONCENTRATION MAP										
LOCATION: ASHIPGUN, WISCONSIN										
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CHECKED	MAM									
DRAFTED	HJW									
PROJECT	117-7413001									
DATE	6/20/16									



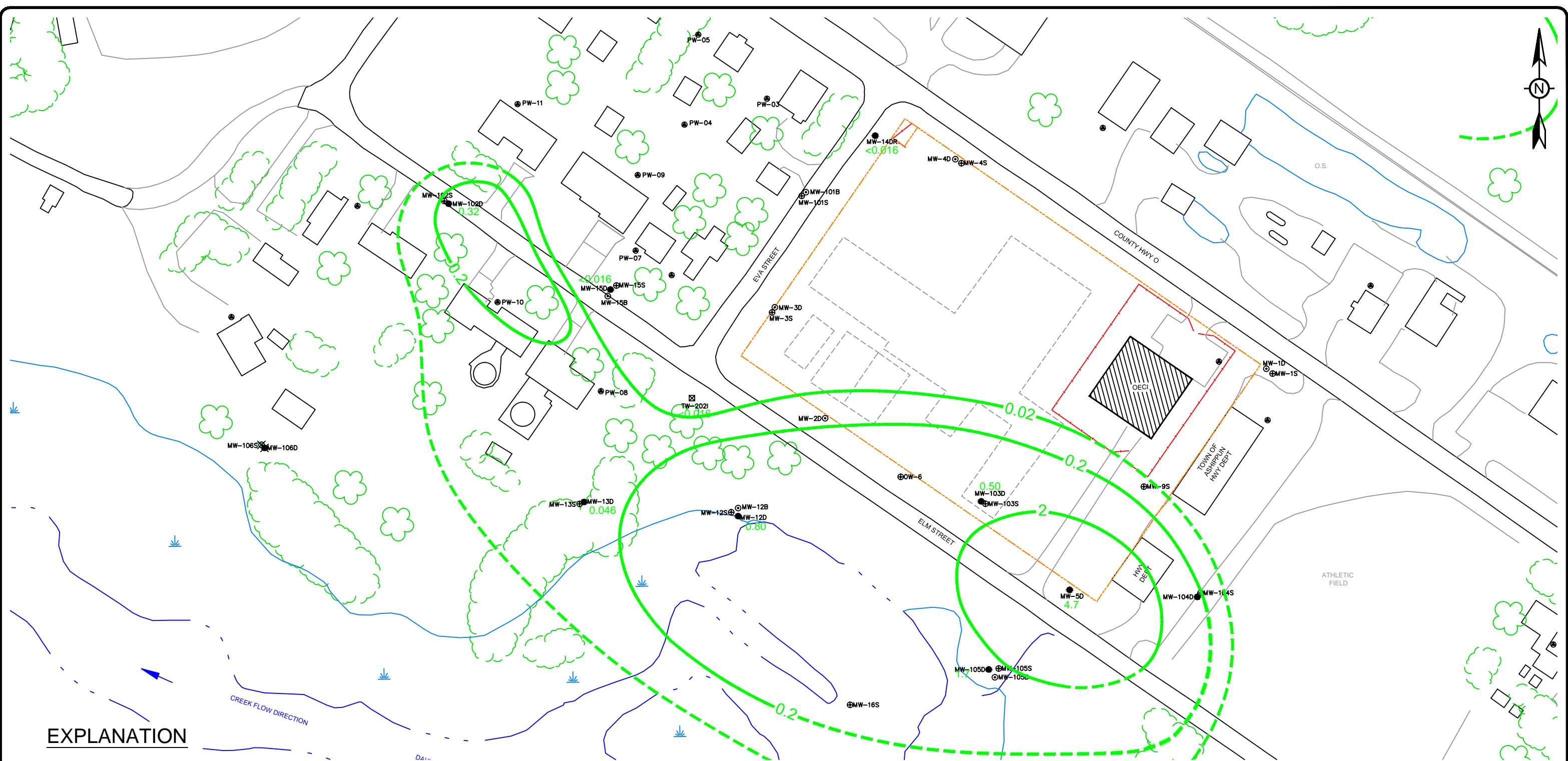
EXPLANATION

- ⊙MW-105B BEDROCK MONITORING WELL
- MW-105D DEEP UNCONSOLIDATED MONITORING WELL
- ⊕MW-105S SHALLOW UNCONSOLIDATED MONITORING WELL
- ⊙PW-11 RESIDENTIAL WELL
- ⊗MW-106D DEEP UNCONSOLIDATED SENTINEL WELL
- ⊗MW-106S SHALLOW UNCONSOLIDATED SENTINEL WELL
- ⊠TW-2021 TEMPORARY WELL
- FORMER OECI SITE BOUNDARY
- - - - - FENCED AREA

28
— 2.0 —
 VINYL CHLORIDE CONCENTRATION (ug/L)
 VINYL CHLORIDE ISOCONCENTRATION CONTOUR (ug/L)
 DASHED WHERE INFERRED



TITLE: OCONOMOWOC ELECTROPLATING COMPANY, INC. MAY 2016 SAMPLING EVENT SHALLOW-DEPTH MONITORING WELLS VINYL CHLORIDE ISOCONCENTRATION MAP			
LOCATION: ASHIPGUN, WISCONSIN			
	CHECKED	MAM	FIGURE: 8
	DRAFTED	HJW	
	PROJECT	117-7413001	
DATE	6/20/16		

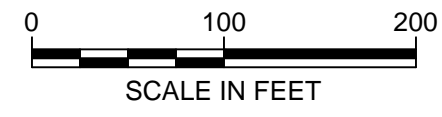


EXPLANATION

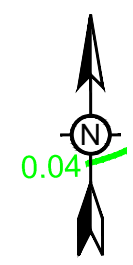
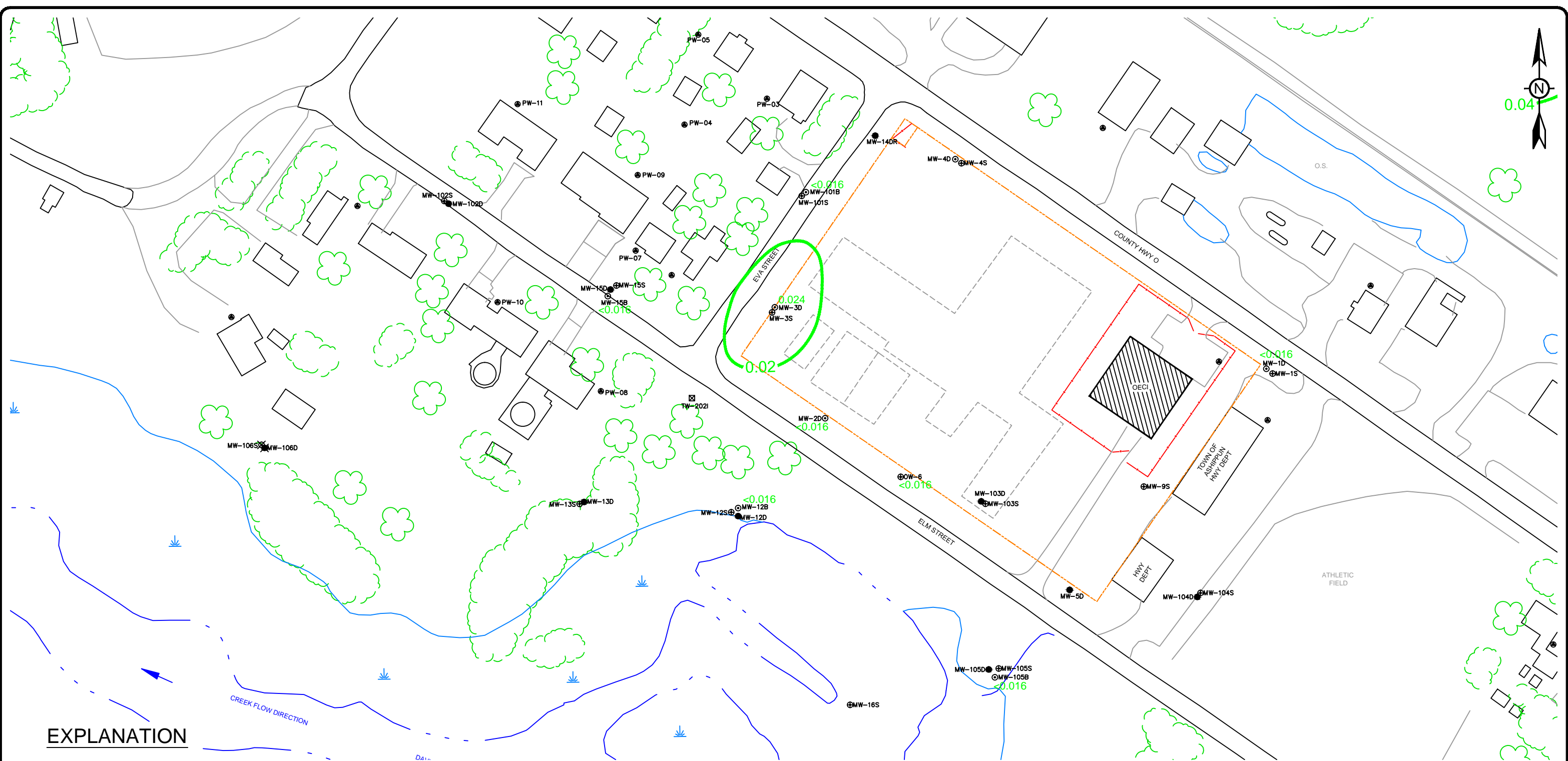
- ⊙MW-105B BEDROCK MONITORING WELL
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- ⊕MW-105S SHALLOW UNCONSOLIDATED MONITORING WELL
- ⊙PW-11 RESIDENTIAL WELL
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- ⊗MW-106S SHALLOW UNCONSOLIDATED SENTINEL WELL
- ⊠TW-2021 TEMPORARY WELL
- FORMER OECI SITE BOUNDARY
- - - - - FENCED AREA



VINYL CHLORIDE CONCENTRATION (ug/L)
 VINYL CHLORIDE ISOCONCENTRATION CONTOUR (ug/L)
 DASHED WHERE INFERRED



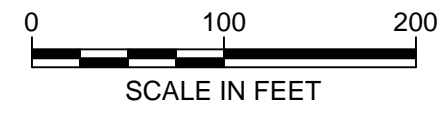
TITLE: OCONOMOWOC ELECTROPLATING COMPANY, INC. MAY 2016 SAMPLING EVENT MID-DEPTH MONITORING WELLS VINYL CHLORIDE ISOCONCENTRATION MAP			
LOCATION: ASHIPUN, WISCONSIN			
	CHECKED	MAM	FIGURE: 9
	DRAFTED	HJW	
	PROJECT	117-7413001	
DATE	6/20/16		



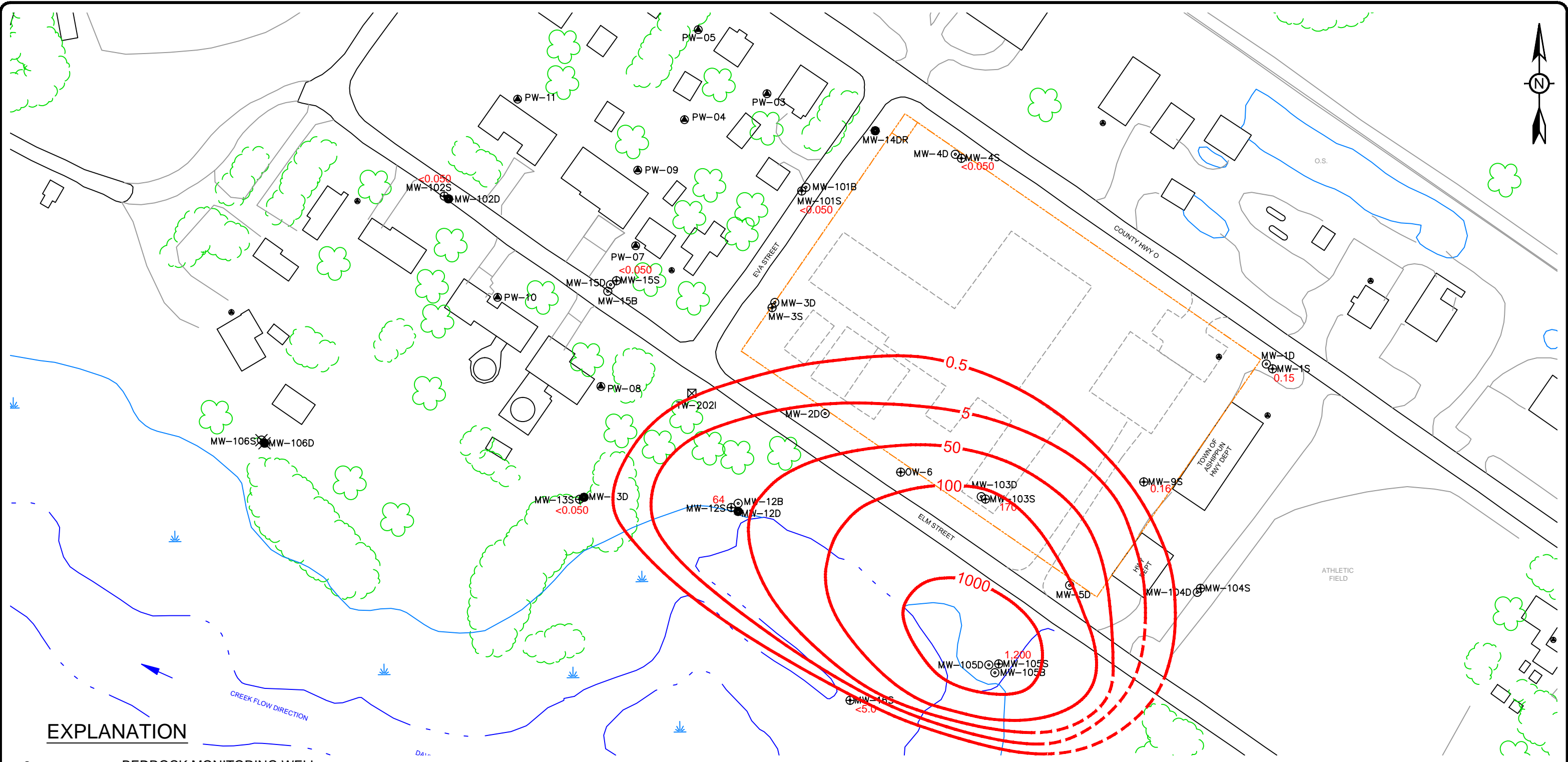
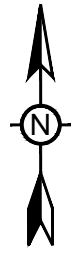
EXPLANATION

- ⊙MW-105B BEDROCK MONITORING WELL
- MW-105D DEEP UNCONSOLIDATED MONITORING WELL
- ⊕MW-105S SHALLOW UNCONSOLIDATED MONITORING WELL
- PW-11 RESIDENTIAL WELL
- ⊗MW-106D DEEP UNCONSOLIDATED SENTINEL WELL
- ⊗MW-106S SHALLOW UNCONSOLIDATED SENTINEL WELL
- ⊠TW-2021 TEMPORARY WELL
- FORMER OECI SITE BOUNDARY
- - - - - FENCED AREA

0.076 VINYL CHLORIDE CONCENTRATION (ug/L)
 0.04 VINYL CHLORIDE ISOCONCENTRATION CONTOUR (ug/L)
 DASHED WHERE INFERRED



TITLE: OCONOMOWOC ELECTROPLATING COMPANY, INC. MAY 2016 SAMPLING EVENT BEDROCK MONITORING WELLS VINYL CHLORIDE ISOCONCENTRATION MAP		
LOCATION: ASHIPUN, WISCONSIN		
	CHECKED	MAM
	DRAFTED	HJW
	PROJECT	117-7413001
DATE	6/20/16	FIGURE: 10



EXPLANATION

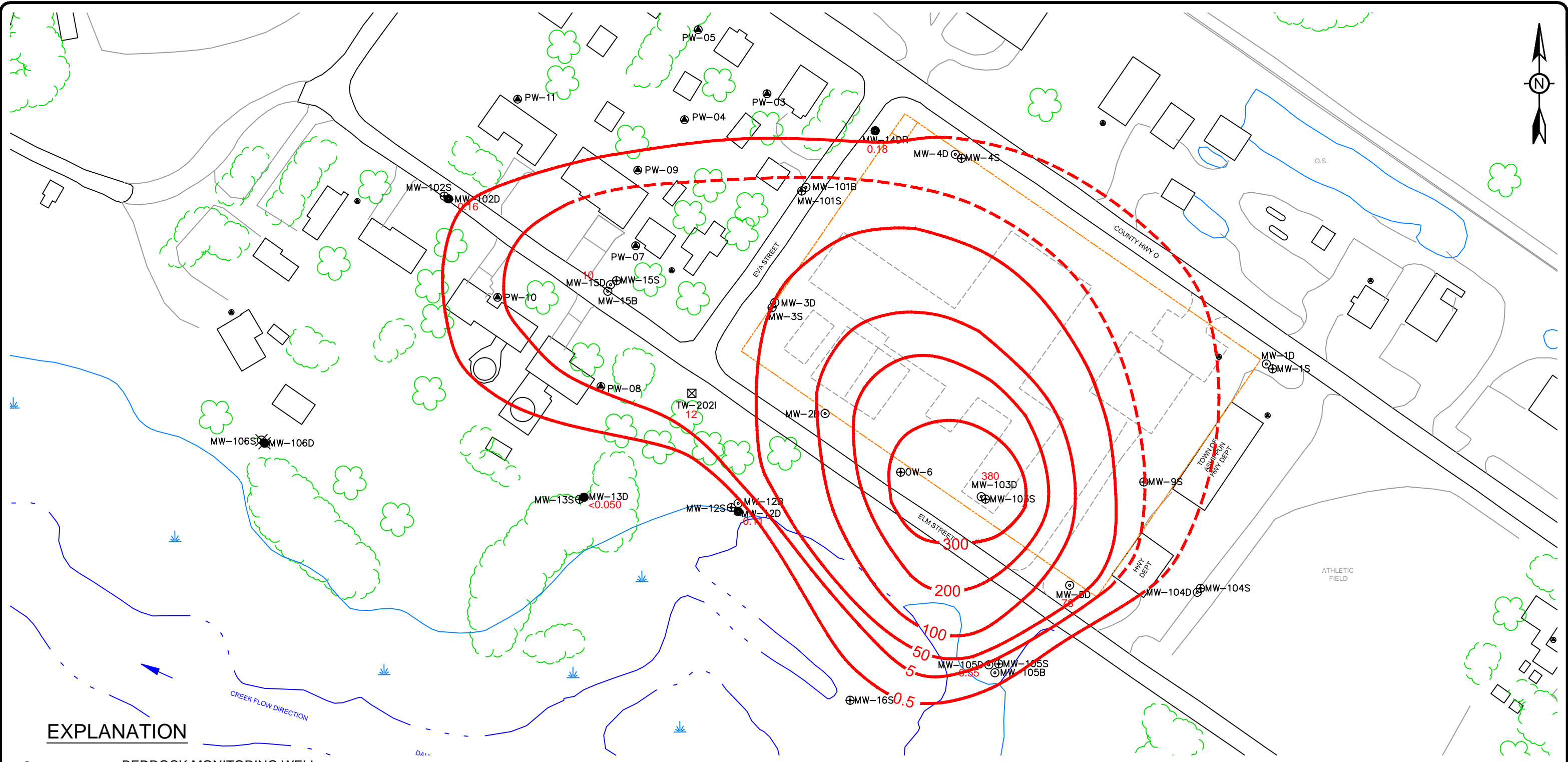
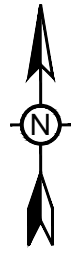
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- MW-105D DEEP UNCONSOLIDATED MONITORING WELL
- ⊕MW-105S SHALLOW UNCONSOLIDATED MONITORING WELL
- PW-11 RESIDENTIAL WELL
- ⊗MW-106D DEEP UNCONSOLIDATED SENTINEL WELL
- ⊗MW-106S SHALLOW UNCONSOLIDATED SENTINEL WELL
- ⊠TW-2021 TEMPORARY WELL
- FORMER OECI SITE BOUNDARY



64 TCE CONCENTRATION (ug/L)
 50 TCE ISOCONCENTRATION CONTOUR (ug/L)
 DASHED WHERE INFERRED



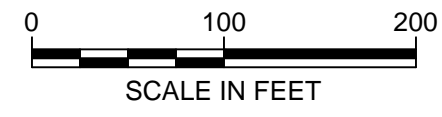
TITLE: OCONOMOWOC ELECTROPLATING COMPANY, INC. MAY 2017 SAMPLING EVENT SHALLOW-DEPTH MONITORING WELLS TCE ISOCONCENTRATION MAP			
LOCATION: ASHIPGUN, WISCONSIN			
	CHECKED	MAM	FIGURE: 5
	DRAFTED	HJW	
	PROJECT	117-7413001	
DATE	6/26/17		



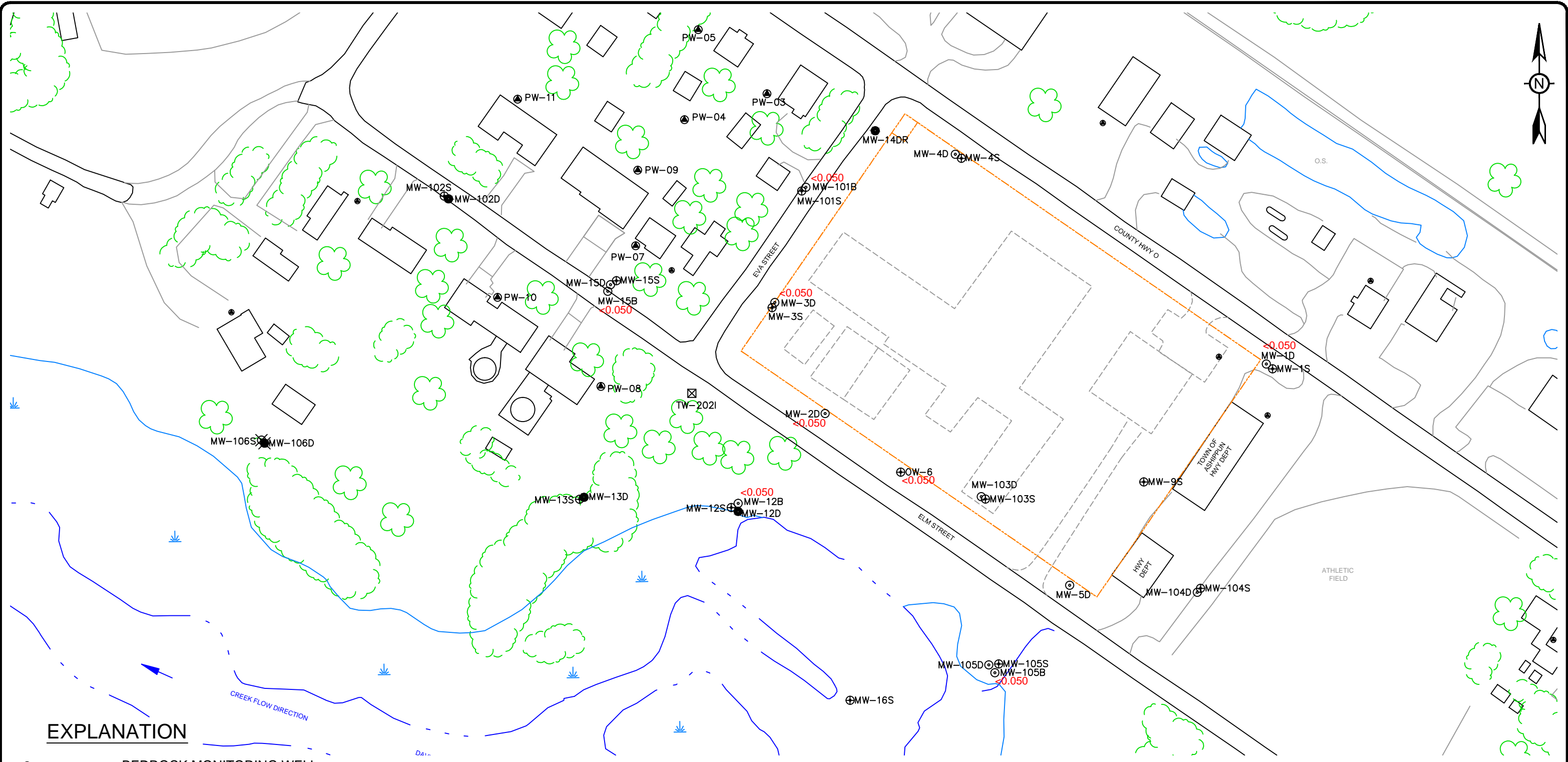
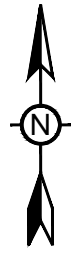
EXPLANATION

- ⊙MW-105B BEDROCK MONITORING WELL
- MW-105D DEEP UNCONSOLIDATED MONITORING WELL
- ⊕MW-105S SHALLOW UNCONSOLIDATED MONITORING WELL
- PW-11 RESIDENTIAL WELL
- ⊗MW-106D DEEP UNCONSOLIDATED SENTINEL WELL
- ⊗MW-106S SHALLOW UNCONSOLIDATED SENTINEL WELL
- ⊠TW-201 TEMPORARY WELL
- - - - - FORMER OECI SITE BOUNDARY

78
 50
 TCE CONCENTRATION (ug/L)
 TCE ISOCONCENTRATION CONTOUR (ug/L)
 DASHED WHERE INFERRED



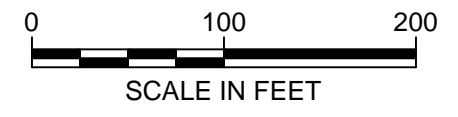
TITLE: OCONOMOWOC ELECTROPLATING COMPANY, INC. MAY 2017 SAMPLING EVENT MID-DEPTH MONITORING WELLS TCE ISOCONCENTRATION MAP		
LOCATION: ASHIPUN, WISCONSIN		
TETRA TECH	CHECKED	MAM
	DRAFTED	HJW
	PROJECT	117-7413001
DATE	6/26/17	FIGURE: 6



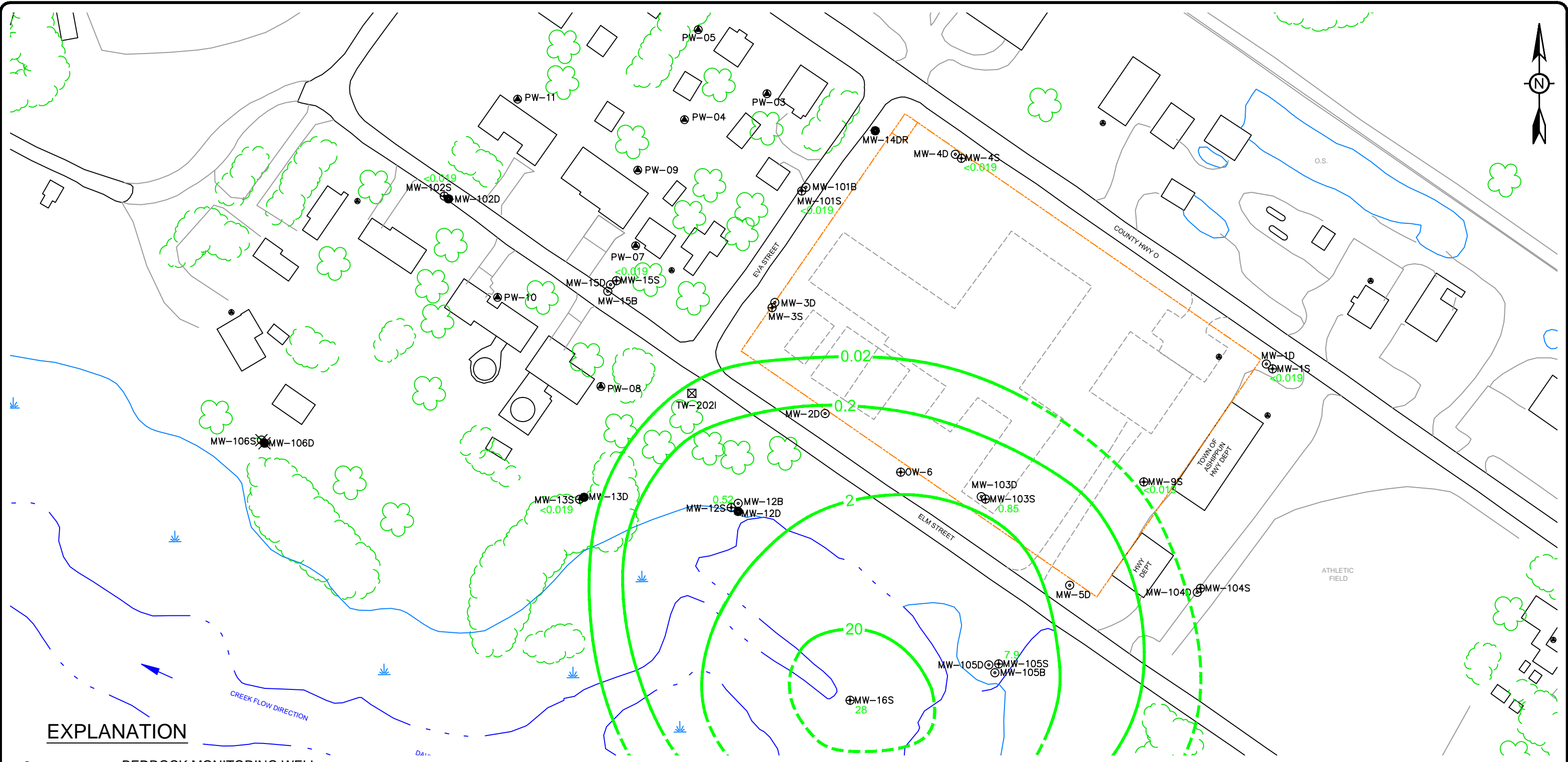
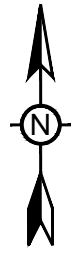
EXPLANATION

- ⊙MW-105B BEDROCK MONITORING WELL
- MW-105D DEEP UNCONSOLIDATED MONITORING WELL
- ⊕MW-105S SHALLOW UNCONSOLIDATED MONITORING WELL
- PW-11 RESIDENTIAL WELL
- ⊗MW-106D DEEP UNCONSOLIDATED SENTINEL WELL
- ⊗MW-106S SHALLOW UNCONSOLIDATED SENTINEL WELL
- ⊠TW-2021 TEMPORARY WELL
- FORMER OECI SITE BOUNDARY

<math><0.050</math> TCE CONCENTRATION (ug/L)
—0.04--- TCE ISOCONCENTRATION CONTOUR (ug/L)
 DASHED WHERE INFERRED



TITLE: OCONOMOWOC ELECTROPLATING COMPANY, INC. MAY 2017 SAMPLING EVENT BEDROCK MONITORING WELLS TCE ISOCONCENTRATION MAP										
LOCATION: ASHIPGUN, WISCONSIN										
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="font-size: 8px;">CHECKED</td> <td>MAM</td> </tr> <tr> <td style="font-size: 8px;">DRAFTED</td> <td>HJW</td> </tr> <tr> <td style="font-size: 8px;">PROJECT</td> <td>117-7413001</td> </tr> <tr> <td style="font-size: 8px;">DATE</td> <td>6/26/17</td> </tr> </table>	CHECKED	MAM	DRAFTED	HJW	PROJECT	117-7413001	DATE	6/26/17	FIGURE: 7
CHECKED	MAM									
DRAFTED	HJW									
PROJECT	117-7413001									
DATE	6/26/17									



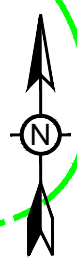
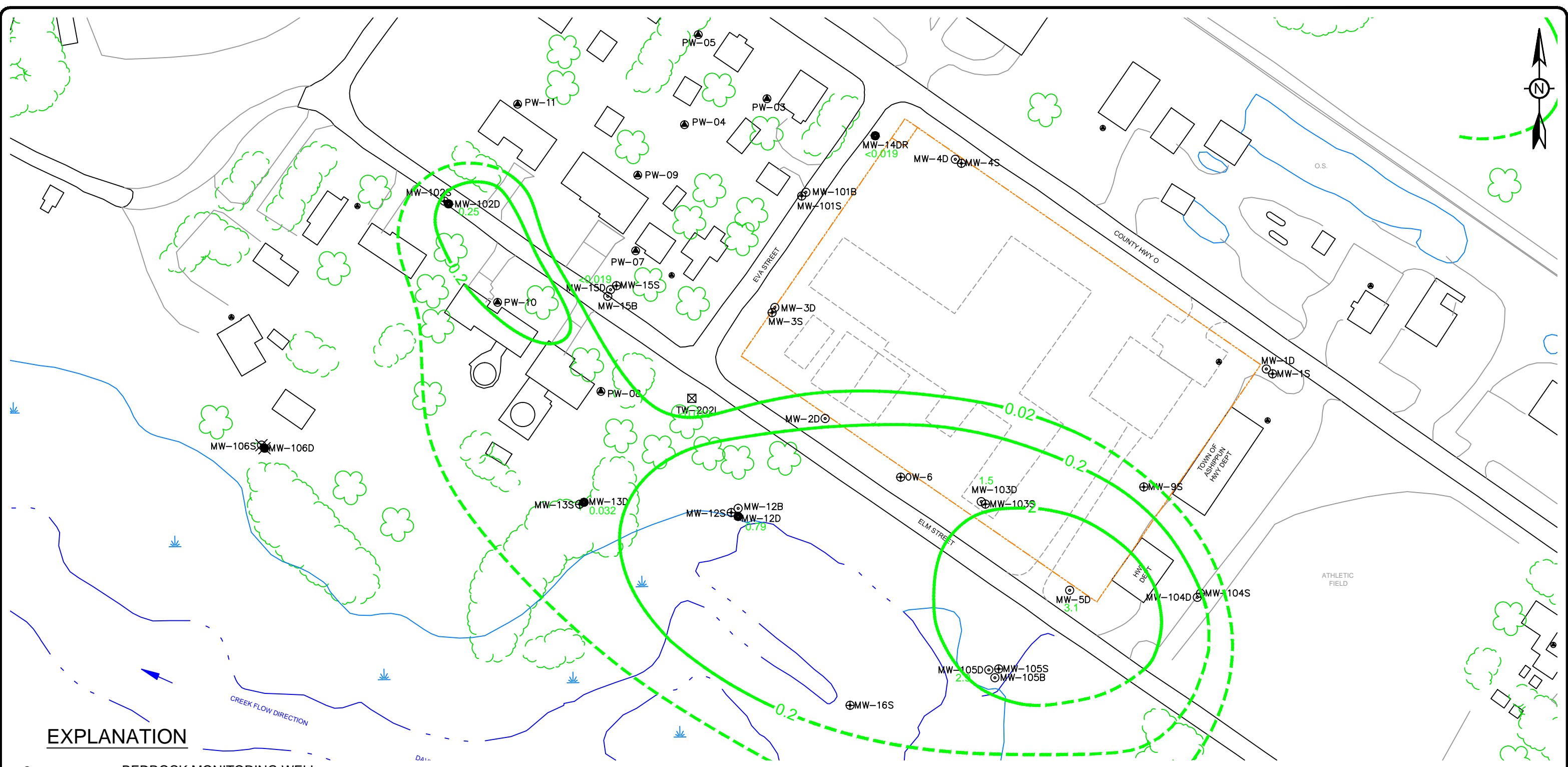
EXPLANATION

- ⊙MW-105B BEDROCK MONITORING WELL
- MW-105D DEEP UNCONSOLIDATED MONITORING WELL
- ⊕MW-105S SHALLOW UNCONSOLIDATED MONITORING WELL
- PW-11 RESIDENTIAL WELL
- ⊗MW-106D DEEP UNCONSOLIDATED SENTINEL WELL
- ⊗MW-106S SHALLOW UNCONSOLIDATED SENTINEL WELL
- ⊠TW-2021 TEMPORARY WELL
- FORMER OECI SITE BOUNDARY

28
 2.0
 VINYL CHLORIDE CONCENTRATION (ug/L)
 VINYL CHLORIDE ISOCONCENTRATION CONTOUR (ug/L)
 DASHED WHERE INFERRED



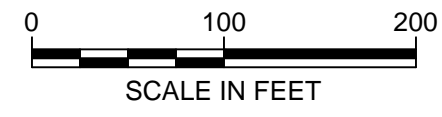
TITLE: OCONOMOWOC ELECTROPLATING COMPANY, INC. MAY 2017 SAMPLING EVENT SHALLOW-DEPTH MONITORING WELLS VINYL CHLORIDE ISOCONCENTRATION MAP		
LOCATION: ASHIPUN, WISCONSIN		
	CHECKED	MAM
	DRAFTED	HJW
	PROJECT	117-7413001
DATE	6/26/17	FIGURE: 8



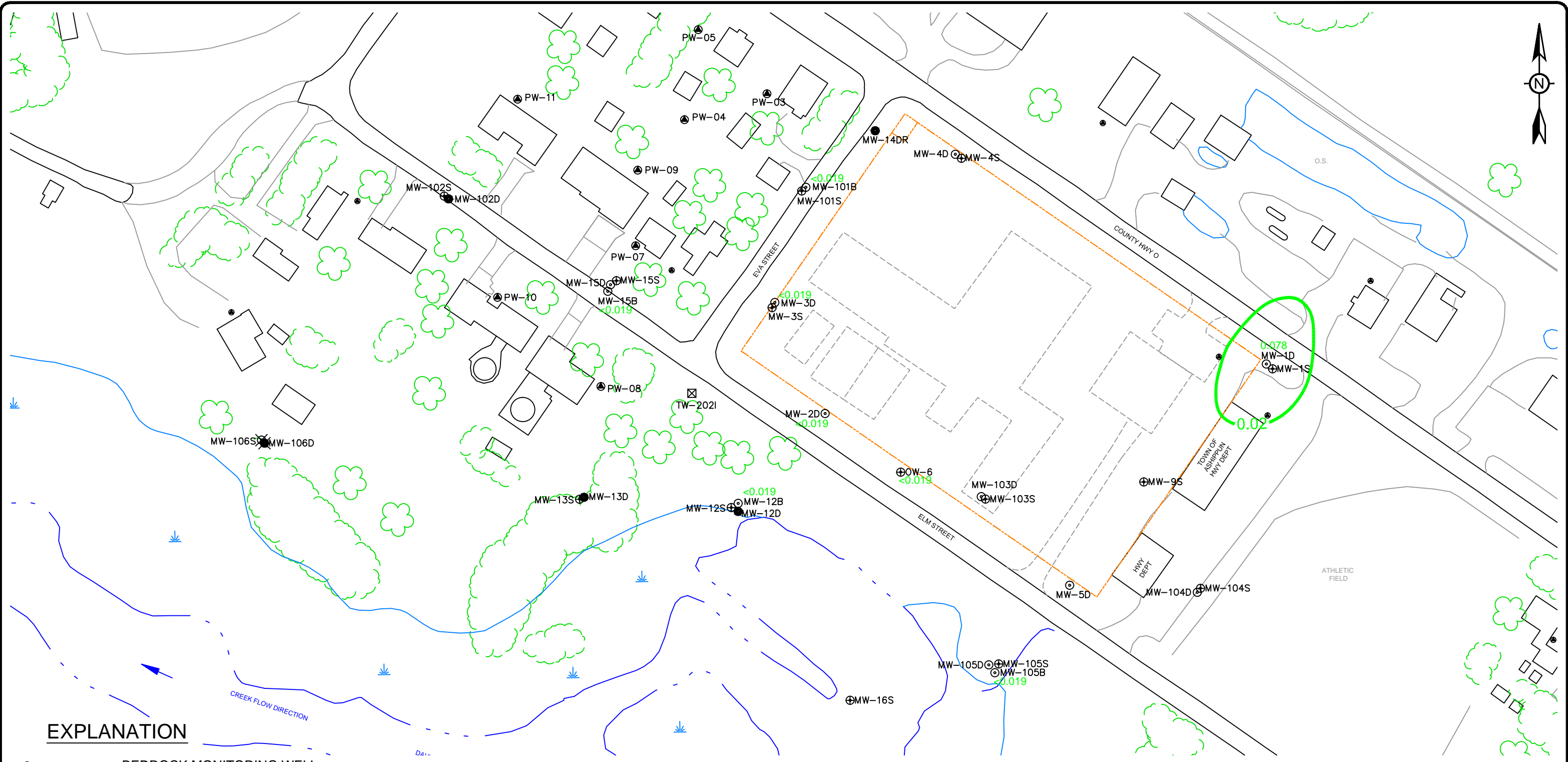
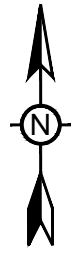
EXPLANATION

- ⊙MW-105B BEDROCK MONITORING WELL
- MW-105D DEEP UNCONSOLIDATED MONITORING WELL
- ⊕MW-105S SHALLOW UNCONSOLIDATED MONITORING WELL
- PW-11 RESIDENTIAL WELL
- ⊗MW-106D DEEP UNCONSOLIDATED SENTINEL WELL
- ⊗MW-106S SHALLOW UNCONSOLIDATED SENTINEL WELL
- ⊠TW-2021 TEMPORARY WELL
- FORMER OECI SITE BOUNDARY

3.1
— 2.0 —
 VINYL CHLORIDE CONCENTRATION (ug/L)
 VINYL CHLORIDE ISOCONCENTRATION CONTOUR (ug/L)
 DASHED WHERE INFERRED



TITLE: OCONOMOWOC ELECTROPLATING COMPANY, INC. MAY 2017 SAMPLING EVENT MID-DEPTH MONITORING WELLS VINYL CHLORIDE ISOCONCENTRATION MAP										
LOCATION: ASHIPUN, WISCONSIN										
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="font-size: 8px;">CHECKED</td> <td>MAM</td> </tr> <tr> <td style="font-size: 8px;">DRAFTED</td> <td>HJW</td> </tr> <tr> <td style="font-size: 8px;">PROJECT</td> <td>117-7413001</td> </tr> <tr> <td style="font-size: 8px;">DATE</td> <td>6/26/17</td> </tr> </table>	CHECKED	MAM	DRAFTED	HJW	PROJECT	117-7413001	DATE	6/26/17	FIGURE: 9
CHECKED	MAM									
DRAFTED	HJW									
PROJECT	117-7413001									
DATE	6/26/17									



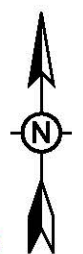
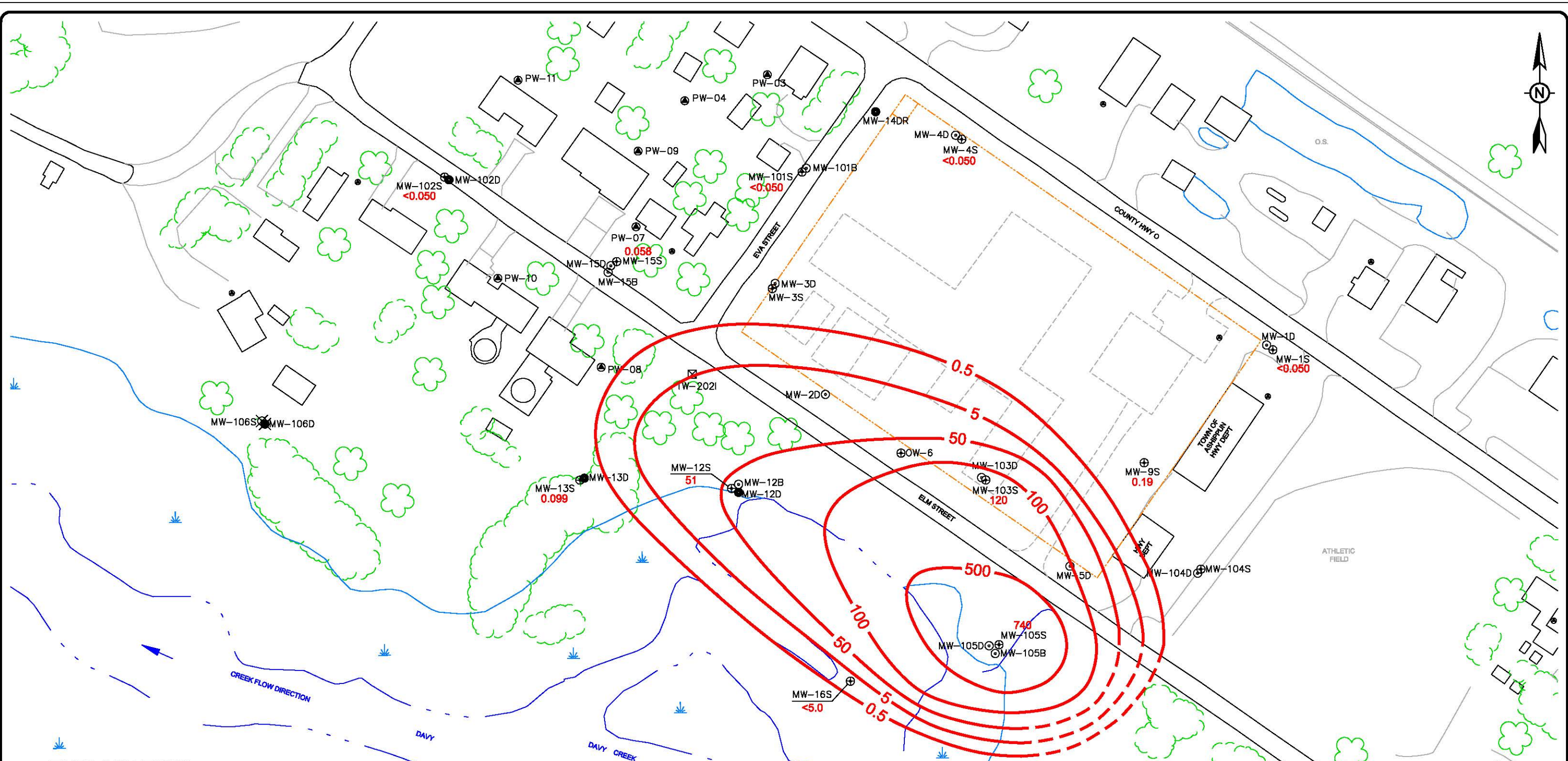
EXPLANATION

- ⊙MW-105B BEDROCK MONITORING WELL
- MW-105D DEEP UNCONSOLIDATED MONITORING WELL
- ⊕MW-105S SHALLOW UNCONSOLIDATED MONITORING WELL
- PW-11 RESIDENTIAL WELL
- ⊗MW-106D DEEP UNCONSOLIDATED SENTINEL WELL
- ⊗MW-106S SHALLOW UNCONSOLIDATED SENTINEL WELL
- ⊠TW-202I TEMPORARY WELL
- FORMER OECI SITE BOUNDARY

0.078 VINYL CHLORIDE CONCENTRATION (ug/L)
 — 0.04 — VINYL CHLORIDE ISOCONCENTRATION CONTOUR (ug/L)
 --- DASHED WHERE INFERRED



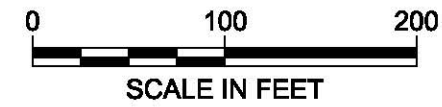
TITLE: OCONOMOWOC ELECTROPLATING COMPANY, INC. MAY 2017 SAMPLING EVENT BEDROCK MONITORING WELLS VINYL CHLORIDE ISOCONCENTRATION MAP		
LOCATION: ASHIPUN, WISCONSIN		
	CHECKED	MAM
	DRAFTED	HJW
	PROJECT	117-7413001
DATE	6/26/17	FIGURE: 10



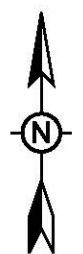
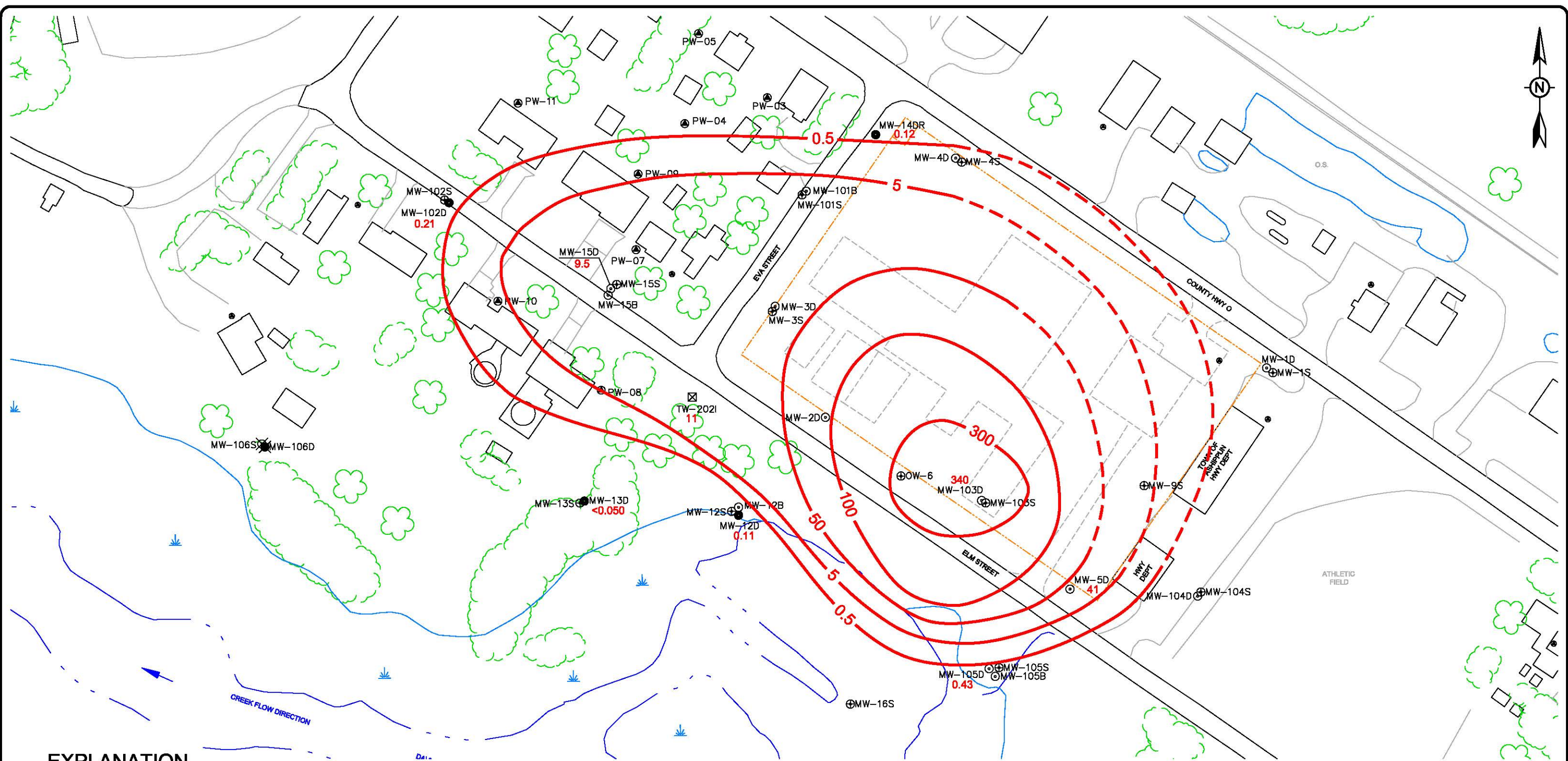
EXPLANATION

- ⊙ MW-105B BEDROCK MONITORING WELL
- MW-105D DEEP UNCONSOLIDATED MONITORING WELL
- ⊕ MW-105S SHALLOW UNCONSOLIDATED MONITORING WELL
- ⊙ PW-11 RESIDENTIAL WELL
- ⊗ MW-106D DEEP UNCONSOLIDATED SENTINEL WELL
- ⊗ MW-106S SHALLOW UNCONSOLIDATED SENTINEL WELL
- ⊠ TW-2021 TEMPORARY WELL
- FORMER OEI SITE BOUNDARY

650 TCE CONCENTRATION (ug/L)
 100 TCE ISOCONCENTRATION CONTOUR (ug/L)
 --- DASHED WHERE INFERRED



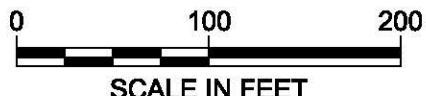
TITLE: OCONOMOWOC ELECTROPLATING COMPANY, INC. NOVEMBER 2017 SAMPLING EVENT SHALLOW-DEPTH MONITORING WELLS TCE ISOCONCENTRATION MAP			
LOCATION: ASHIPUN, WISCONSIN			
	CHECKED	MAM	FIGURE: 5
	DRAFTED	CMP	
	PROJECT	117-7413004	
DATE	1/30/19		



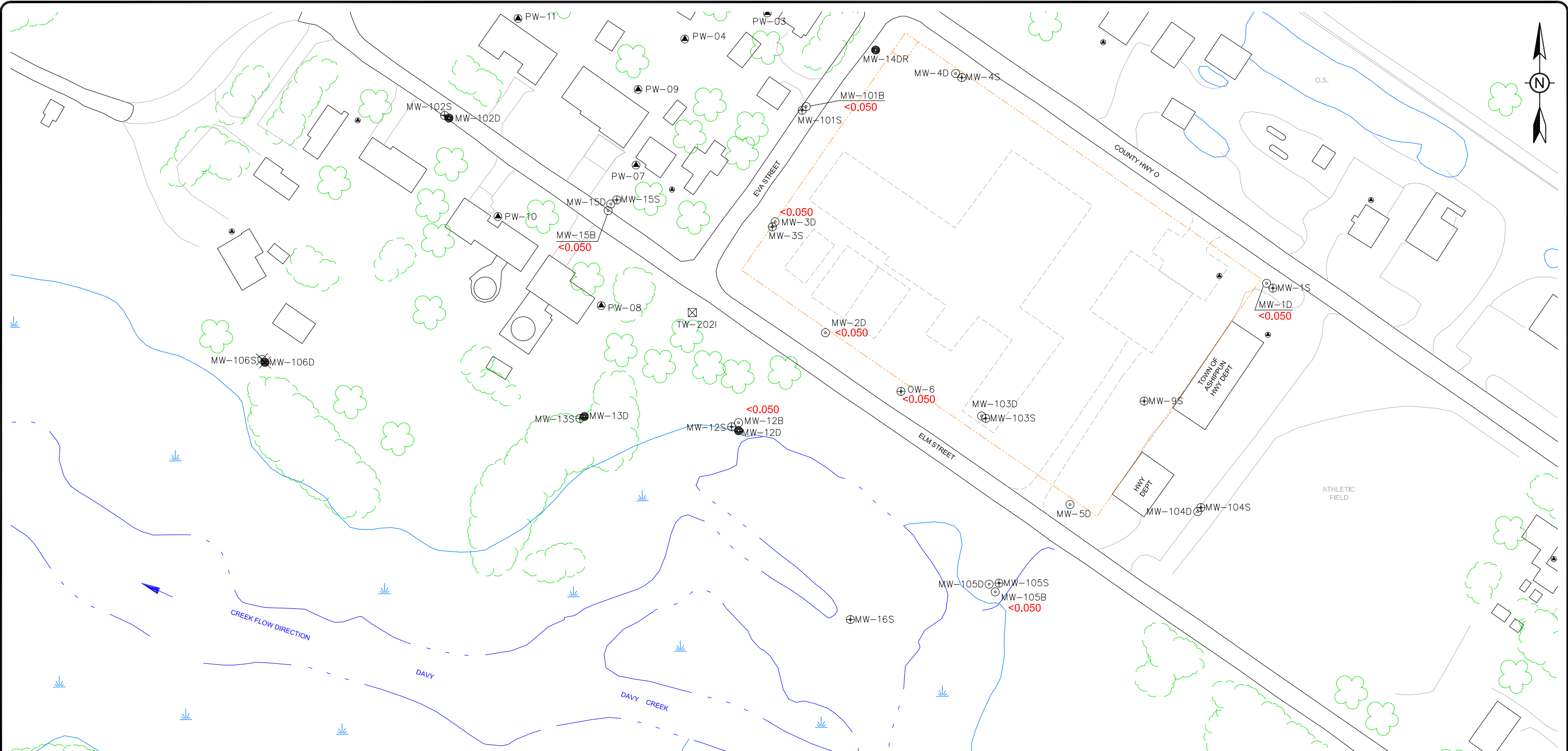
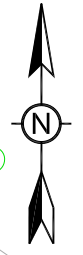
EXPLANATION

- ⊙MW-105B BEDROCK MONITORING WELL
- MW-105D DEEP UNCONSOLIDATED MONITORING WELL
- ⊕MW-105S SHALLOW UNCONSOLIDATED MONITORING WELL
- ⊙PW-11 RESIDENTIAL WELL
- ⊗MW-106D DEEP UNCONSOLIDATED SENTINEL WELL
- ⊗MW-106S SHALLOW UNCONSOLIDATED SENTINEL WELL
- ⊠TW-2021 TEMPORARY WELL
- - - - - FORMER OECI SITE BOUNDARY

340 TCE CONCENTRATION (ug/L)
 300 TCE ISOCONCENTRATION CONTOUR (ug/L)
 DASHED WHERE INFERRED



TITLE: OCONOMOWOC ELECTROPLATING COMPANY, INC. NOVEMBER 2017 SAMPLING EVENT MID-DEPTH MONITORING WELLS TCE ISOCONCENTRATION MAP		
LOCATION: ASHIPGUN, WISCONSIN		
	CHECKED MAM	FIGURE: 7
	DRAFTED CMP	
	PROJECT 117-7413004	
DATE 1/30/19		



EXPLANATION

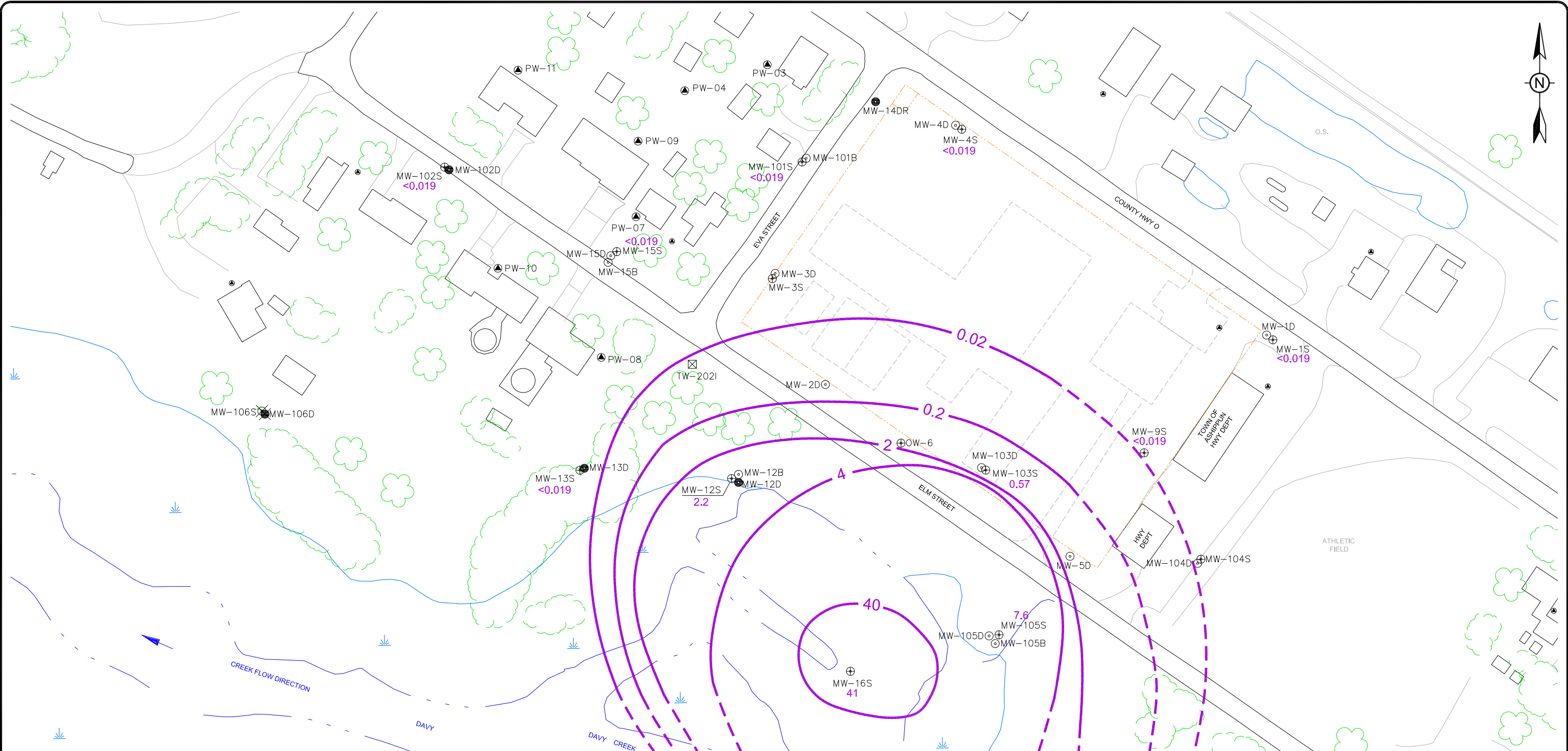
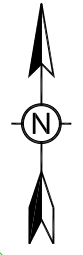
- ⊙ MW-105B BEDROCK MONITORING WELL
- MW-105D DEEP UNCONSOLIDATED MONITORING WELL
- ⊕ MW-105S SHALLOW UNCONSOLIDATED MONITORING WELL
- ▲ PW-11 RESIDENTIAL WELL
- ⊗ MW-106D DEEP UNCONSOLIDATED SENTINEL WELL
- ⊗ MW-106S SHALLOW UNCONSOLIDATED SENTINEL WELL
- ⊠ TW-2021 TEMPORARY WELL
- FORMER OECI SITE BOUNDARY

<0.050 TCE CONCENTRATION (ug/L)

— 0.04 — TCE ISOCONCENTRATION CONTOUR (ug/L)
DASHED WHERE INFERRED



TITLE: OCONOMOWOC ELECTROPLATING COMPANY, INC. NOVEMBER 2017 SAMPLING EVENT BEDROCK MONITORING WELLS TCE ISOCONCENTRATION MAP			
LOCATION: ASHIPPUN, WISCONSIN			
	CHECKED	MAM	FIGURE: 9
	DRAFTED	CMP	
	PROJECT	117-7413004	
DATE	1/30/19		



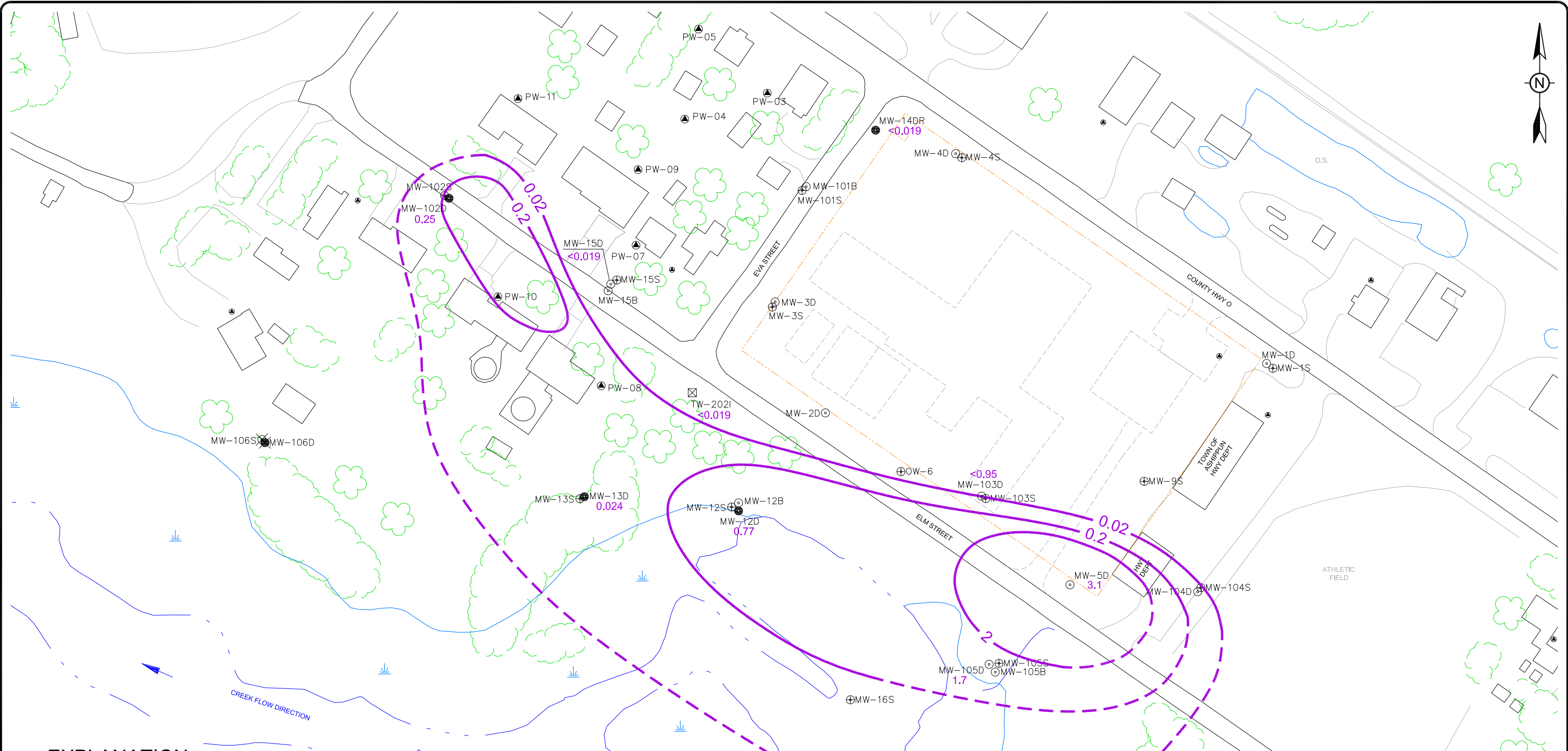
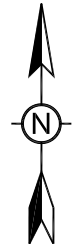
EXPLANATION

- ⊙ MW-105B BEDROCK MONITORING WELL
- MW-105D DEEP UNCONSOLIDATED MONITORING WELL
- ⊕ MW-105S SHALLOW UNCONSOLIDATED MONITORING WELL
- ▲ PW-11 RESIDENTIAL WELL
- ⊗ MW-106D DEEP UNCONSOLIDATED SENTINEL WELL
- ⊗ MW-106S SHALLOW UNCONSOLIDATED SENTINEL WELL
- ⊠ TW-2021 TEMPORARY WELL
- - - - - FORMER OEI SITE BOUNDARY

41 VINYL CHLORIDE CONCENTRATION (ug/L)
 ——— 40 ——— VINYL CHLORIDE ISOCONCENTRATION CONTOUR (ug/L)
 DASHED WHERE INFERRED



TITLE: OCONOMOWOC ELECTROPLATING COMPANY, INC. NOVEMBER 2017 SAMPLING EVENT SHALLOW-DEPTH MONITORING WELLS VC ISOCONCENTRATION MAP		
LOCATION: ASHIPGUN, WISCONSIN		
	CHECKED MAM	FIGURE: 11
	DRAFTED CMP	
	PROJECT 117-7413004	
DATE 1/30/19		



EXPLANATION

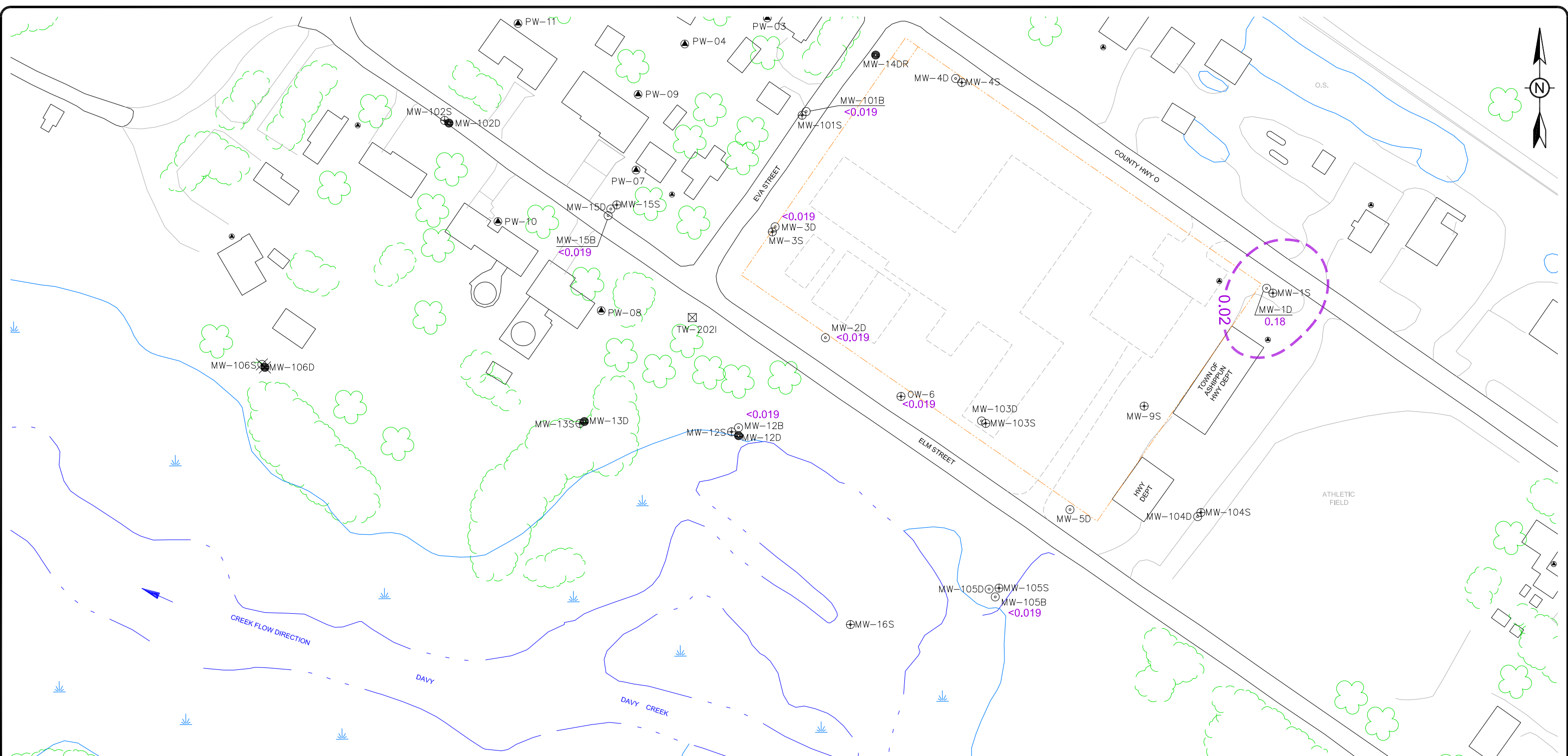
- ⊙MW-105B BEDROCK MONITORING WELL
- MW-105D DEEP UNCONSOLIDATED MONITORING WELL
- ⊕MW-105S SHALLOW UNCONSOLIDATED MONITORING WELL
- ▲PW-11 RESIDENTIAL WELL
- ⊗MW-106D DEEP UNCONSOLIDATED SENTINEL WELL
- ⊗MW-106S SHALLOW UNCONSOLIDATED SENTINEL WELL
- ⊠TW-2021 TEMPORARY WELL
- - - - - FORMER OECI SITE BOUNDARY

31 VINYL CHORIDE CONCENTRATION (ug/L)

2 - - - - VINYL CHLORIDE ISOCONCENTRATION CONTOUR (ug/L)
DASHED WHERE INFERRED



TITLE: OCONOMOWOC ELECTROPLATING COMPANY, INC. NOVEMBER 2017 SAMPLING EVENT MID-DEPTH MONITORING WELLS VC ISOCONCENTRATION MAP			
LOCATION: ASHIPPUN, WISCONSIN			
	CHECKED	MAM	FIGURE: 13
	DRAFTED	CMP	
	PROJECT	117-7413004	
DATE	1/30/19		



EXPLANATION

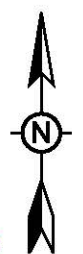
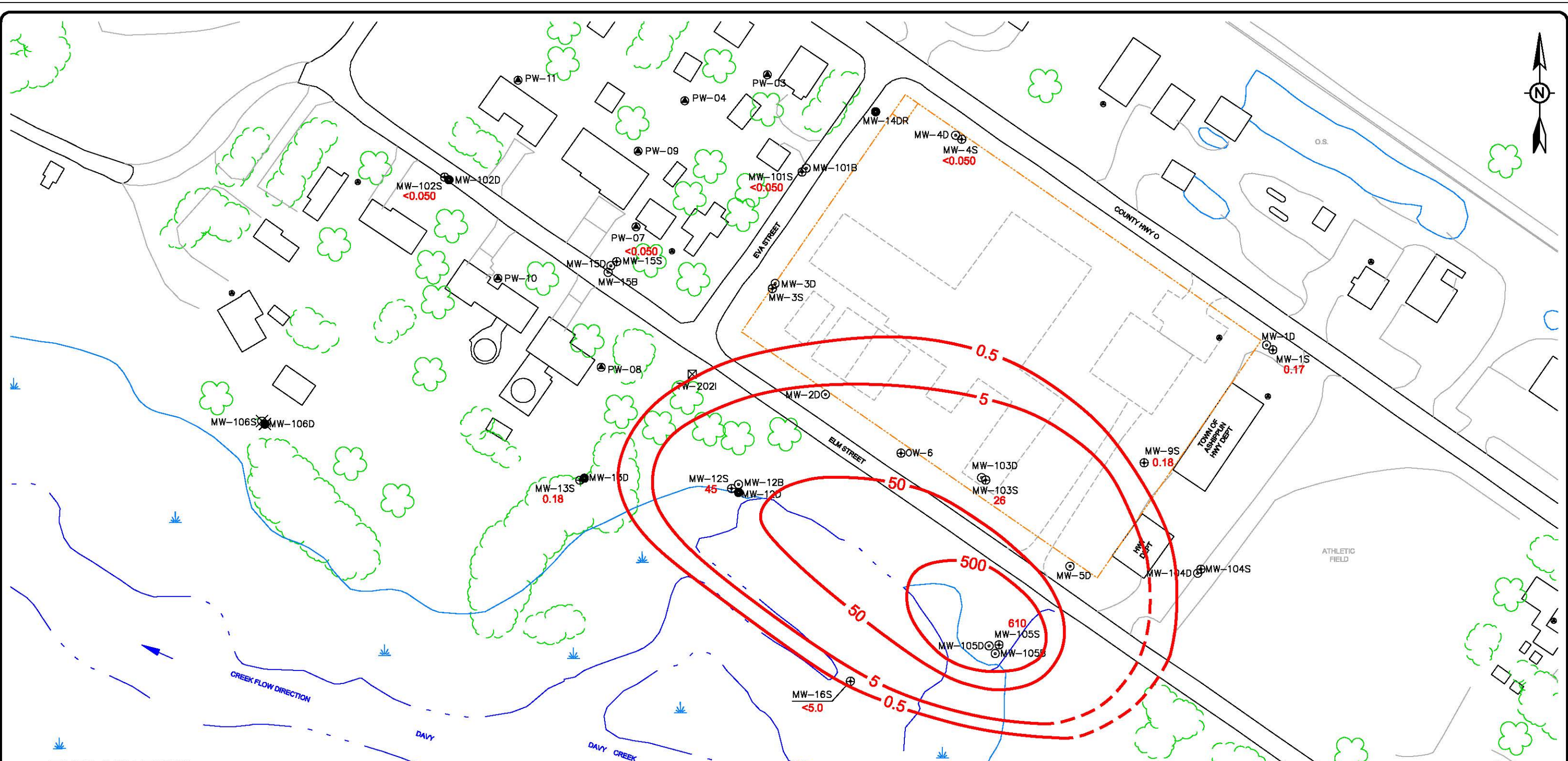
- ⊙ MW-105B BEDROCK MONITORING WELL
- MW-105D DEEP UNCONSOLIDATED MONITORING WELL
- ⊕ MW-105S SHALLOW UNCONSOLIDATED MONITORING WELL
- ▲ PW-11 RESIDENTIAL WELL
- ⊗ MW-106D DEEP UNCONSOLIDATED SENTINEL WELL
- ⊗ MW-106S SHALLOW UNCONSOLIDATED SENTINEL WELL
- ⊠ TW-2021 TEMPORARY WELL
- FORMER OECI SITE BOUNDARY

0.18 VINYL CHLORIDE CONCENTRATION (ug/L)

0.02 VINYL CHLORIDE ISOCONCENTRATION CONTOUR (ug/L)
DASHED WHERE INFERRED



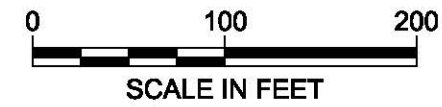
TITLE: OCONOMOWOC ELECTROPLATING COMPANY, INC. NOVEMBER 2017 SAMPLING EVENT BEDROCK MONITORING WELLS VC ISOCONCENTRATION MAP			
LOCATION: ASHIPGUN, WISCONSIN			
	CHECKED	MAM	FIGURE: 15
	DRAFTED	CMP	
	PROJECT	117-7413004	
DATE	1/30/19		



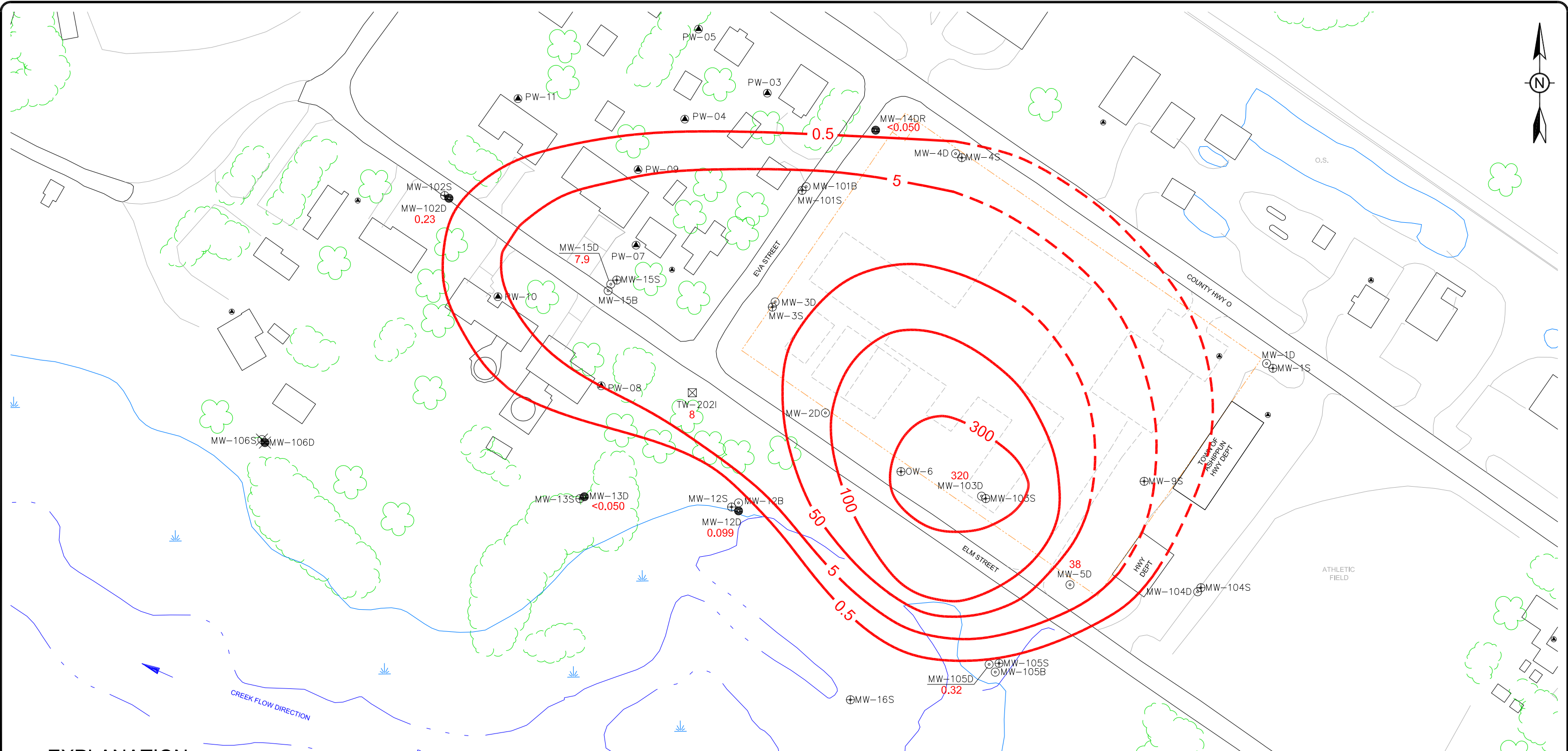
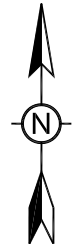
EXPLANATION

- ⊙ MW-105B BEDROCK MONITORING WELL
- MW-105D DEEP UNCONSOLIDATED MONITORING WELL
- ⊕ MW-105S SHALLOW UNCONSOLIDATED MONITORING WELL
- ⊙ PW-11 RESIDENTIAL WELL
- ⊗ MW-106D DEEP UNCONSOLIDATED SENTINEL WELL
- ⊗ MW-106S SHALLOW UNCONSOLIDATED SENTINEL WELL
- ⊠ TW-2021 TEMPORARY WELL
- FORMER OEI SITE BOUNDARY

610 TCE CONCENTRATION (ug/L)
 500 TCE ISOCONCENTRATION CONTOUR (ug/L)
 DASHED WHERE INFERRED



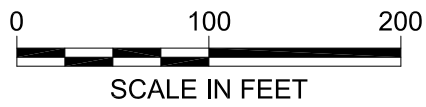
TITLE: OCONOMOWOC ELECTROPLATING COMPANY, INC. NOVEMBER 2018 SAMPLING EVENT SHALLOW-DEPTH MONITORING WELLS TCE ISOCONCENTRATION MAP		
LOCATION: ASHIPUN, WISCONSIN		
	CHECKED MAM	FIGURE: 6
	DRAFTED CMP	
	PROJECT 117-7413004	
DATE 1/30/19		



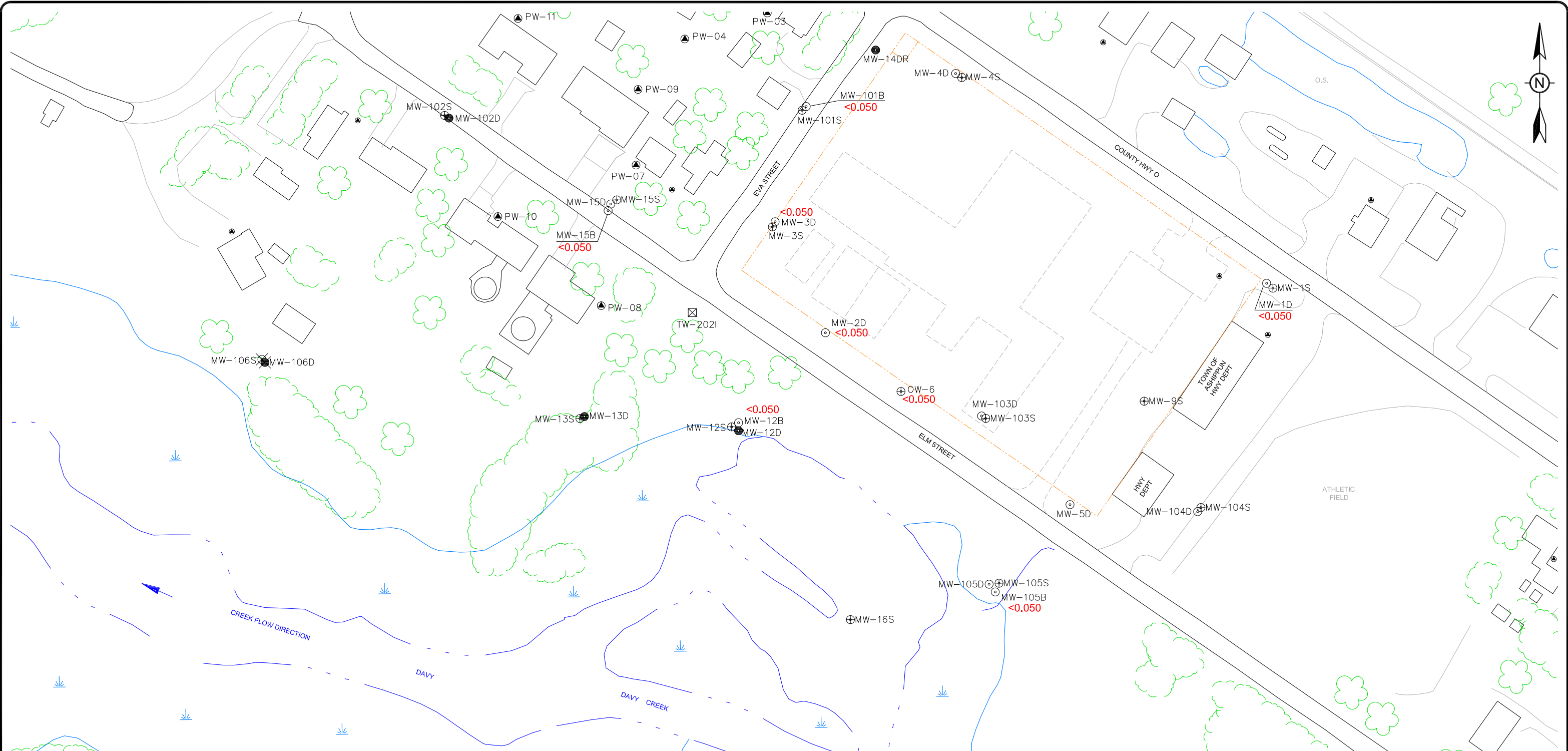
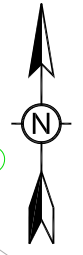
EXPLANATION

- ⊙MW-105B BEDROCK MONITORING WELL
- MW-105D DEEP UNCONSOLIDATED MONITORING WELL
- ⊕MW-105S SHALLOW UNCONSOLIDATED MONITORING WELL
- ▲PW-11 RESIDENTIAL WELL
- ⊗MW-106D DEEP UNCONSOLIDATED SENTINEL WELL
- ⊗MW-106S SHALLOW UNCONSOLIDATED SENTINEL WELL
- ⊠TW-202I TEMPORARY WELL
- - - - - FORMER OECl SITE BOUNDARY

320 TCE CONCENTRATION (ug/L)
 300 TCE ISOCONCENTRATION CONTOUR (ug/L)
 DASHED WHERE INFERRED



TITLE: OCONOMOWOC ELECTROPLATING COMPANY, INC. NOVEMBER 2018 SAMPLING EVENT MID-DEPTH MONITORING WELLS TCE ISOCONCENTRATION MAP			
LOCATION: ASHIPPUN, WISCONSIN			
	CHECKED	MAM	FIGURE: 8
	DRAFTED	CMP	
	PROJECT	117-7413004	
	DATE	1/30/19	



EXPLANATION

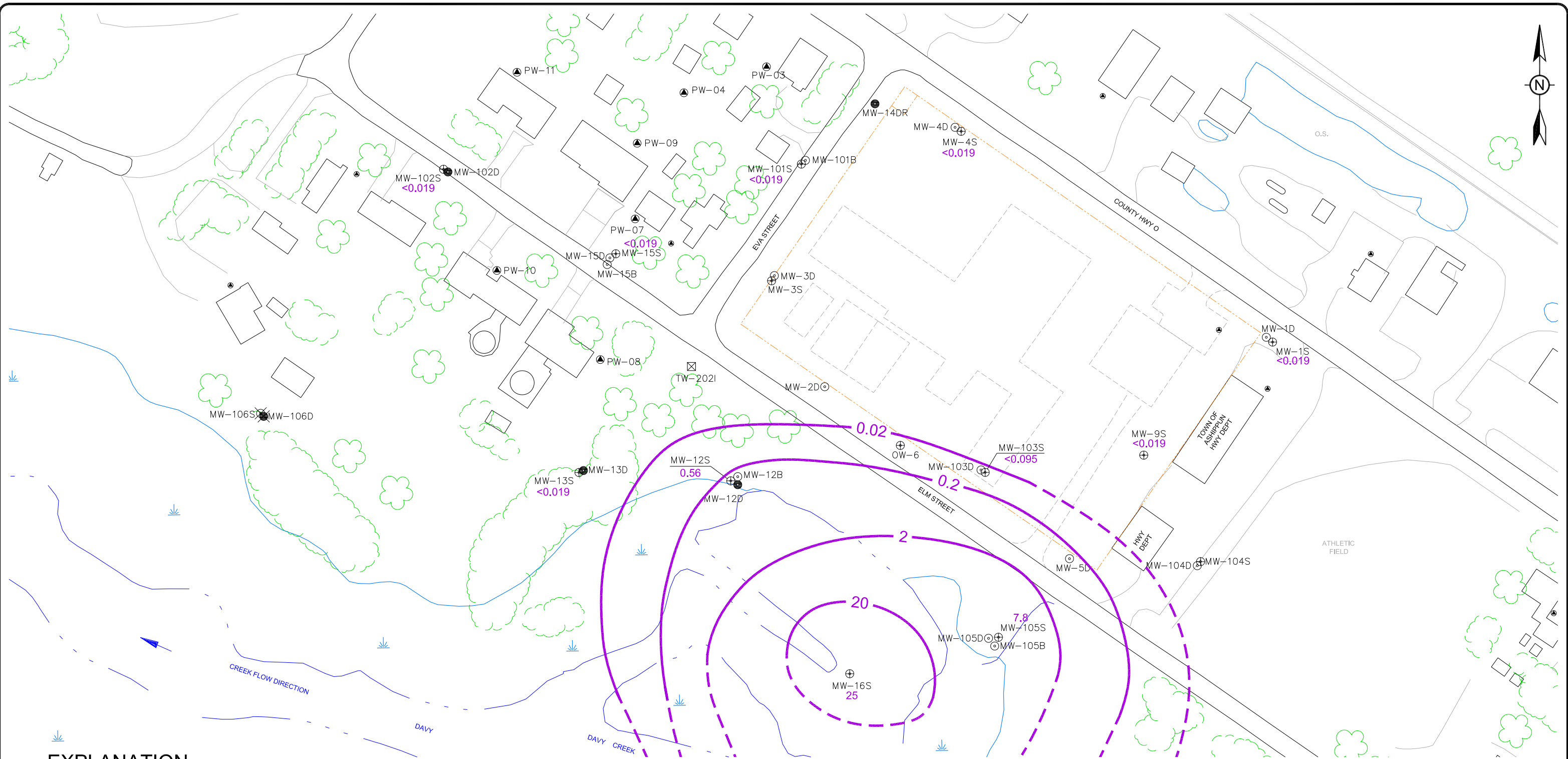
- ⊙ MW-105B BEDROCK MONITORING WELL
- MW-105D DEEP UNCONSOLIDATED MONITORING WELL
- ⊕ MW-105S SHALLOW UNCONSOLIDATED MONITORING WELL
- ▲ PW-11 RESIDENTIAL WELL
- ⊗ MW-106D DEEP UNCONSOLIDATED SENTINEL WELL
- ⊘ MW-106S SHALLOW UNCONSOLIDATED SENTINEL WELL
- ⊠ TW-2021 TEMPORARY WELL
- FORMER OEI SITE BOUNDARY

<math><0.050</math> TCE CONCENTRATION (ug/L)

——— - - - - - 0.040 TCE ISOCONCENTRATION CONTOUR (ug/L)
DASHED WHERE INFERRED



TITLE: OCONOMOWOC ELECTROPLATING COMPANY, INC. NOVEMBER 2018 SAMPLING EVENT BEDROCK MONITORING WELLS TCE ISOCONCENTRATION MAP		
LOCATION: ASHIPPUN, WISCONSIN		
	CHECKED	MAM
	DRAFTED	CMP
	PROJECT	117-7413004
	DATE	1/30/19
		FIGURE: 10

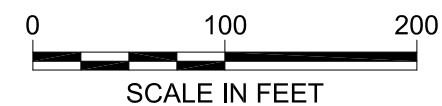


EXPLANATION

- ⊙ MW-105B BEDROCK MONITORING WELL
- MW-105D DEEP UNCONSOLIDATED MONITORING WELL
- ⊕ MW-105S SHALLOW UNCONSOLIDATED MONITORING WELL
- ▲ PW-11 RESIDENTIAL WELL
- ⊗ MW-106D DEEP UNCONSOLIDATED SENTINEL WELL
- ⊗ MW-106S SHALLOW UNCONSOLIDATED SENTINEL WELL
- ⊠ TW-2021 TEMPORARY WELL
- - - - FORMER OECI SITE BOUNDARY

25 VINYL CHLORIDE CONCENTRATION (ug/L)

20 VINYL CHLORIDE ISOCONCENTRATION CONTOUR (ug/L)
DASHED WHERE INFERRED

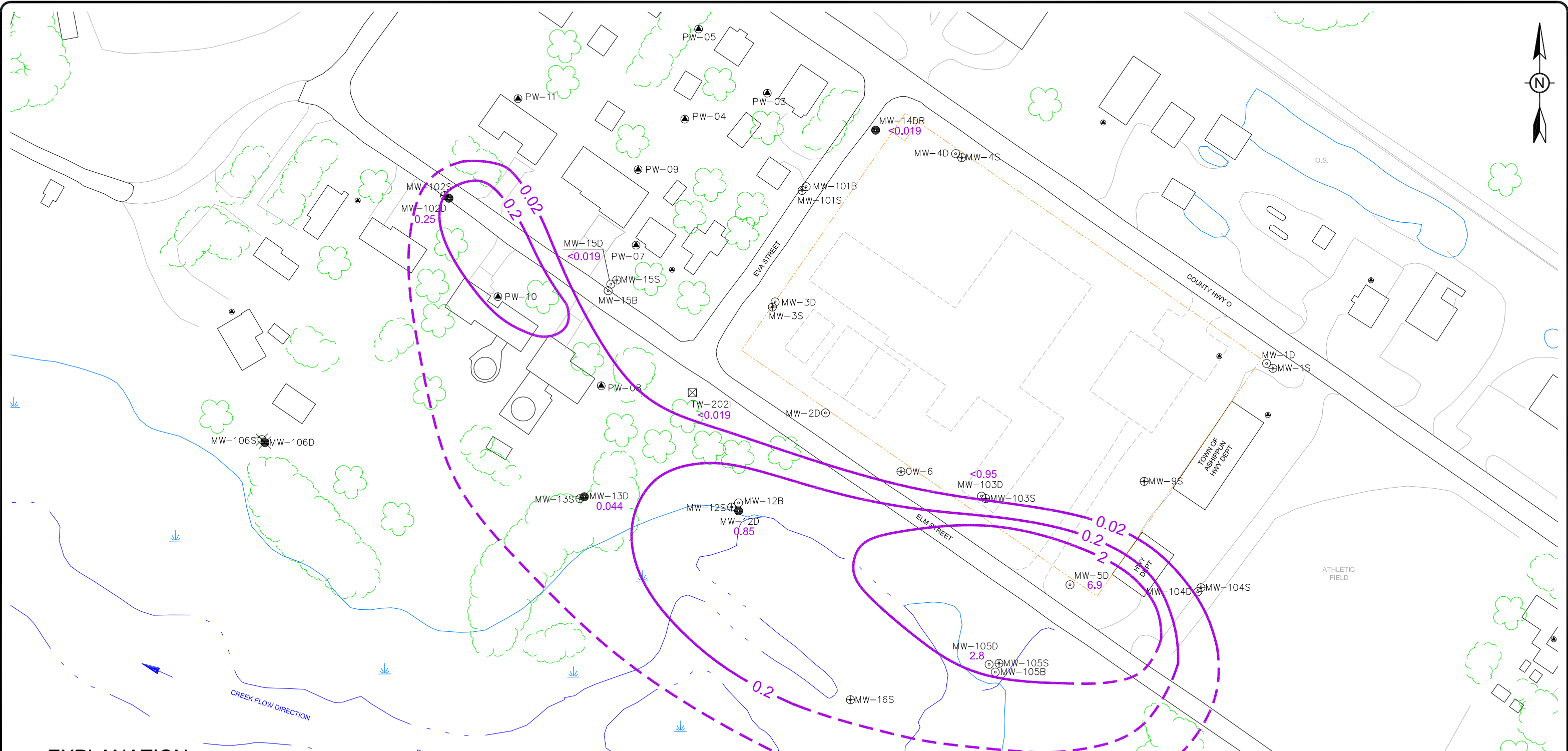
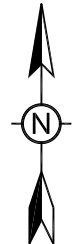


TITLE: OCONOMOWOC ELECTROPLATING COMPANY, INC.
NOVEMBER 2018 SAMPLING EVENT SHALLOW-DEPTH
MONITORING WELLS VC ISOCONCENTRATION MAP

LOCATION: ASHIPGUN, WISCONSIN

TETRA TECH

CHECKED	MAM	FIGURE:
DRAFTED	CMP	12
PROJECT	117-7413004	
DATE	1/30/19	

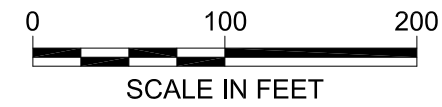


EXPLANATION

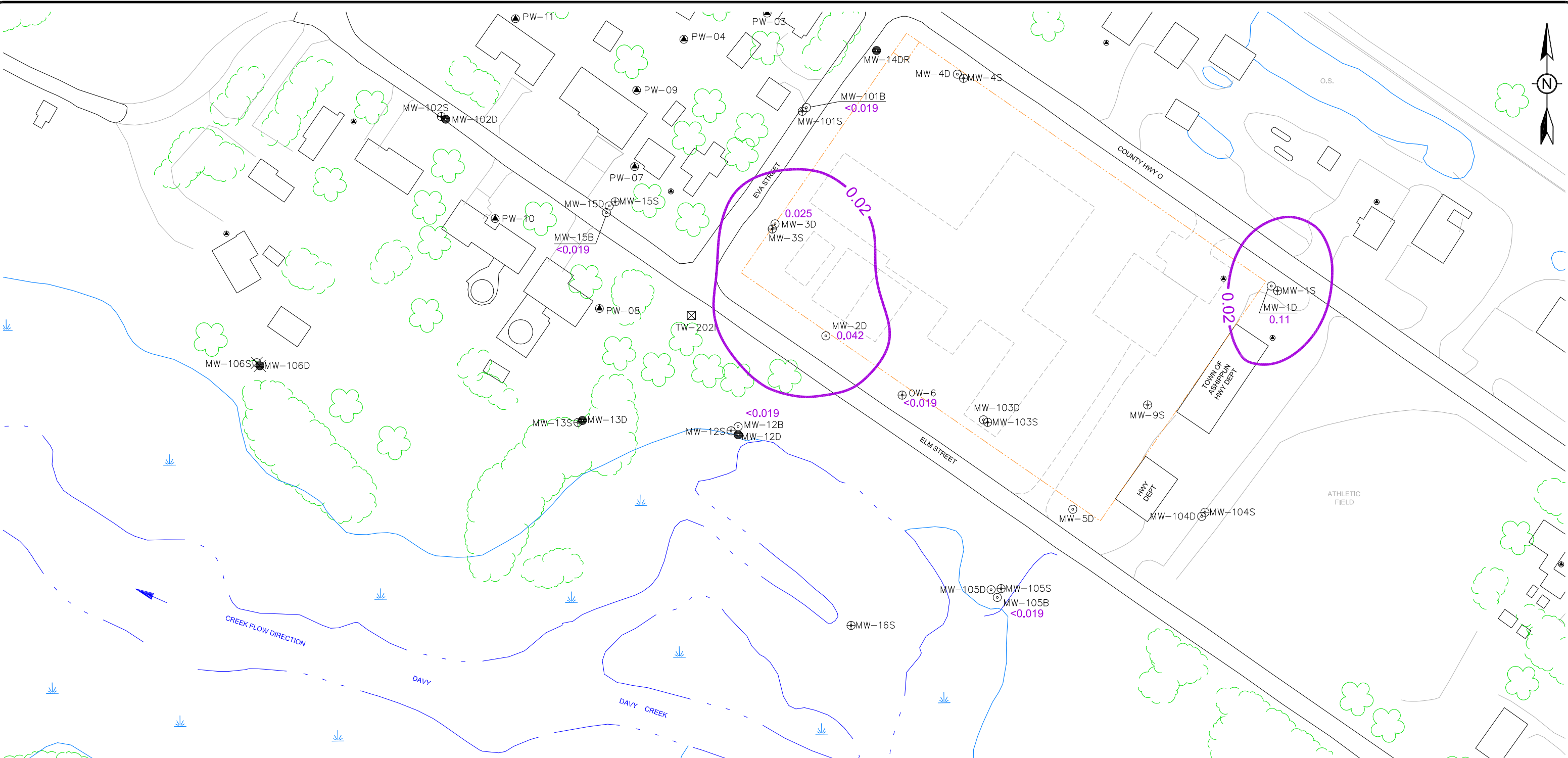
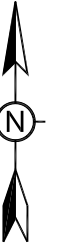
- ⊙MW-105B BEDROCK MONITORING WELL
- MW-105D DEEP UNCONSOLIDATED MONITORING WELL
- ⊕MW-105S SHALLOW UNCONSOLIDATED MONITORING WELL
- ▲PW-11 RESIDENTIAL WELL
- ⊗MW-106D DEEP UNCONSOLIDATED SENTINEL WELL
- ⊗MW-106S SHALLOW UNCONSOLIDATED SENTINEL WELL
- ⊠TW-2021 TEMPORARY WELL
- - - - - FORMER OECI SITE BOUNDARY

6.9 VINYL CHLORIDE CONCENTRATION (ug/L)

2 - - - - - VINYL CHLORIDE ISOCONCENTRATION CONTOUR (ug/L)
DASHED WHERE INFERRED



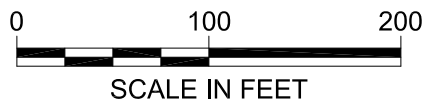
TITLE: OCONOMOWOC ELECTROPLATING COMPANY, INC. NOVEMBER 2018 SAMPLING EVENT MID-DEPTH MONITORING WELLS VC ISOCONCENTRATION MAP			
LOCATION:		ASHIPPUN, WISCONSIN	
	CHECKED	MAM	FIGURE: 14
	DRAFTED	CMP	
	PROJECT	117-7413004	
DATE	1/30/19		



EXPLANATION

- ⊙ MW-105B BEDROCK MONITORING WELL
- MW-105D DEEP UNCONSOLIDATED MONITORING WELL
- ⊕ MW-105S SHALLOW UNCONSOLIDATED MONITORING WELL
- ▲ PW-11 RESIDENTIAL WELL
- ⊙ MW-106D DEEP UNCONSOLIDATED SENTINEL WELL
- ⊙ MW-106S SHALLOW UNCONSOLIDATED SENTINEL WELL
- ⊠ TW-2021 TEMPORARY WELL
- FORMER OECI SITE BOUNDARY

- 0.11 VINYL CHLORIDE CONCENTRATION (ug/L)
- 0.02 ——— VINYL CHLORIDE ISOCONCENTRATION CONTOUR (ug/L)
DASHED WHERE INFERRED



TITLE: OCONOMOWOC ELECTROPLATING COMPANY, INC. NOVEMBER 2018 SAMPLING EVENT BEDROCK MONITORING WELLS VC ISOCONCENTRATION MAP		
LOCATION: ASHIPPUN, WISCONSIN		
	CHECKED	MAM
	DRAFTED	CMP
	PROJECT	117-7413004
	DATE	1/30/19
FIGURE:		16



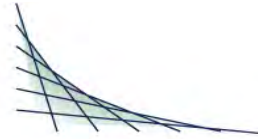
ANNUAL GROUNDWATER MONITORING REPORT

OECI Superfund Site, Town of Ashippun, WI

June 28, 2022

APPENDIX C

Laboratory Analytical Reports



ANALYTICAL REPORT

This report at a minimum contains the following information:

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

ANALYTICAL REPORT

HYDE ENVIRONMENTAL, INC.
 JIM LINDEMANN
 W175 N11163 STONEWOOD DRIVE
 SUITE 110
 GERMANTOWN, WI 53022-6501

Project Name: OEC SUPERFUND WI
 Project Phase: ASHIPUN, WI
 Contract #: 3451
 Project #:
 Folder #: 166179
 Purchase Order #:

Page 1 of 64
 Arrival Temperature: 4.9
 Report Date: 12/22/2021
 Date Received: 12/2/2021
 Reprint Date: 12/22/2021

CT LAB Sample#: 1080204	Sample Description: MW-1S	License/Well #: 04189/001	Sampled: 12/1/2021 07:00
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Dissolved Oxygen (Field)	1.47	mg/L			1			12/1/2021 00:00	SUB	FIELD
Depth to Groundwater (Field)	7.79	Feet			1			12/1/2021 00:00	SUB	FIELD
OX/REDOX (Field)	76.90	MV			1			12/1/2021 00:00	SUB	FIELD
Color (Field)	CLEAR		N/A	N/A	1			12/1/2021 00:00	SUB	FIELD
Conductivity (Field)	1206.4	umhos/cm			1			12/1/2021 00:00	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			12/1/2021 00:00	SUB	FIELD
pH (Field)	7.52	S.U.			1			12/1/2021 00:00	SUB	FIELD
Temperature (Field)	11.19	Deg. C			1			12/1/2021 00:00	SUB	FIELD
Turbidity (Field)	182.04	NTU	N/A	N/A	1			12/1/2021 00:00	SUB	FIELD
Inorganic Results										
Alkalinity Total	350	mg/L	21	70	1			12/7/2021 11:31	lay	EPA 310.2
Total Sulfide	<1.0	mg/L	1.0		1			12/2/2021 13:25	ATJ	SM 4500-S2F
Nitrate Nitrogen Total	<0.12	mg/L	0.12	0.4	1			12/2/2021 13:50	TMG	EPA 9056A
Total Chloride	220	mg/L	10	32	10			12/3/2021 08:36	TMG	EPA 9056A
Total Sulfate	44	mg/L	0.8	2.5	1			12/2/2021 13:50	TMG	EPA 9056A

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

CT LAB Sample#: 1080204

Sample Description: MW-1S

License/Well #: 04189/001

Sampled: 12/1/2021 07:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Total Organic Carbon	1.9	mg/L	0.4	1.3	1			12/8/2021 16:45	KMT	EPA 9060A
Metals Results										
Total Iron	1.76	mg/L	0.033	0.11	1	M	12/3/2021 09:40	12/8/2021 04:49	NAH	EPA 6010C
Total Manganese	349	ug/L	1.5	5.0	1		12/3/2021 09:40	12/8/2021 04:49	NAH	EPA 6010C
Organic Results										
Ethane	<0.38	ug/L	0.38	1.3	1		12/6/2021 08:14	12/8/2021 11:35	KMT	RSK 175
Ethene	<0.59	ug/L	0.59	2.0	1		12/6/2021 08:14	12/8/2021 11:35	KMT	RSK 175
Methane	12	ug/L	0.45	1.5	1	M,Y	12/6/2021 08:14	12/8/2021 11:35	KMT	RSK 175
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			12/8/2021 17:19	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			12/8/2021 17:19	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			12/8/2021 17:19	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			12/8/2021 17:19	RLD	EPA 8260C
1,1-Dichloroethane	0.023	ug/L	0.017 *	0.10	1			12/8/2021 17:19	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			12/8/2021 17:19	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			12/8/2021 17:19	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			12/8/2021 17:19	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			12/8/2021 17:19	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			12/8/2021 17:19	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			12/8/2021 17:19	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			12/8/2021 17:19	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			12/8/2021 17:19	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			12/8/2021 17:19	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/8/2021 17:19	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			12/8/2021 17:19	RLD	EPA 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#: 1080204

Sample Description: MW-1S

License/Well #: 04189/001

Sampled: 12/1/2021 07:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1		12/8/2021	17:19	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1		12/8/2021	17:19	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1		12/8/2021	17:19	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1		12/8/2021	17:19	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1		12/8/2021	17:19	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1		12/8/2021	17:19	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1		12/8/2021	17:19	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1		12/8/2021	17:19	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1		12/8/2021	17:19	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1		12/8/2021	17:19	RLD	EPA 8260C
Acetone	1.5	ug/L	0.84 *	4.0	1		12/8/2021	17:19	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1		12/8/2021	17:19	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1		12/8/2021	17:19	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1		12/8/2021	17:19	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1		12/8/2021	17:19	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1		12/8/2021	17:19	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1		12/8/2021	17:19	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1		12/8/2021	17:19	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1		12/8/2021	17:19	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1		12/8/2021	17:19	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1		12/8/2021	17:19	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1		12/8/2021	17:19	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1		12/8/2021	17:19	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1		12/8/2021	17:19	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1		12/8/2021	17:19	RLD	EPA 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#: 1080204

Sample Description: MW-1S

License/Well #: 04189/001

Sampled: 12/1/2021 07:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1		12/8/2021	17:19	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1		12/8/2021	17:19	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1		12/8/2021	17:19	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1		12/8/2021	17:19	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1		12/8/2021	17:19	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1		12/8/2021	17:19	RLD	EPA 8260C
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1		12/8/2021	17:19	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1		12/8/2021	17:19	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1		12/8/2021	17:19	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1		12/8/2021	17:19	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1		12/8/2021	17:19	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1		12/8/2021	17:19	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1		12/8/2021	17:19	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1		12/8/2021	17:19	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1		12/8/2021	17:19	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1		12/8/2021	17:19	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1		12/8/2021	17:19	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1		12/8/2021	17:19	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1		12/8/2021	17:19	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1		12/8/2021	17:19	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1		12/8/2021	17:19	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1		12/8/2021	17:19	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1		12/8/2021	17:19	RLD	EPA 8260C
Trichloroethene	0.035	ug/L	0.022 *	0.10	1		12/8/2021	17:19	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1		12/8/2021	17:19	RLD	EPA 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#: 1080204	Sample Description: MW-1S	License/Well #: 04189/001	Sampled: 12/1/2021 07:00
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			12/8/2021 17:19	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			12/8/2021 17:19	RLD	EPA 8260C
1,4-Dioxane	<7.0	ug/L	7.0	23	1	Z,Q		12/8/2021 17:19	RLD	EPA 8260C

CT LAB Sample#: 1080205	Sample Description: MW-1S	License/Well #: 04189/001	Sampled: 12/1/2021 07:00
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Iron	0.969	mg/L	0.027	0.09	1			12/3/2021 06:59	NAH	EPA 6010C
Dissolved Manganese	356	ug/L	1.2	5.0	1			12/3/2021 06:59	NAH	EPA 6010C

CT LAB Sample#: 1080206	Sample Description: MW-1D	License/Well #: 04189/002	Sampled: 12/1/2021 08:00
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Dissolved Oxygen (Field)	0.57	mg/L			1			12/1/2021 00:00	SUB	FIELD
Depth to Groundwater (Field)	7.62	Feet			1			12/1/2021 00:00	SUB	FIELD
OX/REDOX (Field)	-80.4	MV			1			12/1/2021 00:00	SUB	FIELD
Color (Field)	CLEAR		N/A	N/A	1			12/1/2021 00:00	SUB	FIELD
Conductivity (Field)	530.81	umhos/cm			1			12/1/2021 00:00	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			12/1/2021 00:00	SUB	FIELD
pH (Field)	7.88	S.U.			1			12/1/2021 00:00	SUB	FIELD
Temperature (Field)	11.4	Deg. C			1			12/1/2021 00:00	SUB	FIELD
Turbidity (Field)	202.78	NTU	N/A	N/A	1			12/1/2021 00:00	SUB	FIELD

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

CT LAB Sample#: 1080206 Sample Description: MW-1D License/Well #: 04189/002 Sampled: 12/1/2021 08:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Alkalinity Total	320	mg/L	21	70	1			12/7/2021 11:33	lay	EPA 310.2
Total Sulfide	<1.0	mg/L	1.0		1			12/2/2021 13:25	ATJ	SM 4500-S2F
Nitrate Nitrogen Total	0.16	mg/L	0.12 *	0.4	1			12/2/2021 14:10	TMG	EPA 9056A
Total Chloride	5.2	mg/L	1.0	3.2	1			12/2/2021 14:10	TMG	EPA 9056A
Total Sulfate	1.0	mg/L	0.8 *	2.5	1			12/2/2021 14:10	TMG	EPA 9056A
Total Organic Carbon	<0.4	mg/L	0.4	1.3	1			12/8/2021 17:33	KMT	EPA 9060A
Metals Results										
Total Iron	2.34	mg/L	0.033	0.11	1		12/3/2021 09:40	12/8/2021 05:20	NAH	EPA 6010C
Total Manganese	18.5	ug/L	1.5	5.0	1		12/3/2021 09:40	12/8/2021 05:20	NAH	EPA 6010C
Organic Results										
Ethane	<0.38	ug/L	0.38	1.3	1		12/6/2021 08:14	12/8/2021 12:14	KMT	RSK 175
Ethene	<0.59	ug/L	0.59	2.0	1		12/6/2021 08:14	12/8/2021 12:14	KMT	RSK 175
Methane	1300	ug/L	45	150	100		12/6/2021 08:14	12/8/2021 12:25	KMT	RSK 175
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			12/8/2021 17:48	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			12/8/2021 17:48	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			12/8/2021 17:48	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			12/8/2021 17:48	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/8/2021 17:48	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			12/8/2021 17:48	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			12/8/2021 17:48	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			12/8/2021 17:48	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			12/8/2021 17:48	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			12/8/2021 17:48	RLD	EPA 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#: 1080206

Sample Description: MW-1D

License/Well #: 04189/002

Sampled: 12/1/2021 08:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			12/8/2021 17:48	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			12/8/2021 17:48	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			12/8/2021 17:48	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			12/8/2021 17:48	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/8/2021 17:48	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			12/8/2021 17:48	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			12/8/2021 17:48	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			12/8/2021 17:48	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			12/8/2021 17:48	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			12/8/2021 17:48	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			12/8/2021 17:48	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			12/8/2021 17:48	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			12/8/2021 17:48	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			12/8/2021 17:48	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			12/8/2021 17:48	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			12/8/2021 17:48	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			12/8/2021 17:48	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			12/8/2021 17:48	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			12/8/2021 17:48	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			12/8/2021 17:48	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			12/8/2021 17:48	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			12/8/2021 17:48	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			12/8/2021 17:48	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			12/8/2021 17:48	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			12/8/2021 17:48	RLD	EPA 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#: 1080206

Sample Description: MW-1D

License/Well #: 04189/002

Sampled: 12/1/2021 08:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Chlorobenzene	<0.013	ug/L	0.013	0.10	1		12/8/2021	17:48	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1		12/8/2021	17:48	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1		12/8/2021	17:48	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1		12/8/2021	17:48	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1		12/8/2021	17:48	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1		12/8/2021	17:48	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1		12/8/2021	17:48	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1		12/8/2021	17:48	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1		12/8/2021	17:48	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1		12/8/2021	17:48	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1		12/8/2021	17:48	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1		12/8/2021	17:48	RLD	EPA 8260C
Isopropylbenzene	0.082	ug/L	0.014 *	0.10	1		12/8/2021	17:48	RLD	EPA 8260C
m & p-Xylene	0.052	ug/L	0.022 *	0.20	1		12/8/2021	17:48	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1		12/8/2021	17:48	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1		12/8/2021	17:48	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1		12/8/2021	17:48	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1		12/8/2021	17:48	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1		12/8/2021	17:48	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1		12/8/2021	17:48	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1		12/8/2021	17:48	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1		12/8/2021	17:48	RLD	EPA 8260C
Styrene	0.13	ug/L	0.014	0.10	1		12/8/2021	17:48	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1		12/8/2021	17:48	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1		12/8/2021	17:48	RLD	EPA 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#: 1080206	Sample Description: MW-1D	License/Well #: 04189/002	Sampled: 12/1/2021 08:00
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			12/8/2021 17:48	RLD	EPA 8260C
Toluene	0.040	ug/L	0.014 *	0.10	1			12/8/2021 17:48	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			12/8/2021 17:48	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			12/8/2021 17:48	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			12/8/2021 17:48	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			12/8/2021 17:48	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			12/8/2021 17:48	RLD	EPA 8260C
Vinyl chloride	0.098	ug/L	0.019 *	0.10	1			12/8/2021 17:48	RLD	EPA 8260C
1,4-Dioxane	<7.0	ug/L	7.0	23	1	Z,Q		12/8/2021 17:48	RLD	EPA 8260C

CT LAB Sample#: 1080207	Sample Description: MW-1D	License/Well #: 04189/002	Sampled: 12/1/2021 08:00
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Iron	2.63	mg/L	0.027	0.09	1			12/3/2021 07:43	NAH	EPA 6010C
Dissolved Manganese	19.1	ug/L	1.2	5.0	1			12/3/2021 07:43	NAH	EPA 6010C

CT LAB Sample#: 1080208	Sample Description: MW-5D	License/Well #: 04189/010	Sampled: 12/1/2021 08:30
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Dissolved Oxygen (Field)	1.53	mg/L			1			12/1/2021 00:00	SUB	FIELD
Depth to Groundwater (Field)	4.16	Feet			1			12/1/2021 00:00	SUB	FIELD
OX/REDOX (Field)	-57.7	MV			1			12/1/2021 00:00	SUB	FIELD

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

CT LAB Sample#: 1080208 Sample Description: MW-5D License/Well #: 04189/010 Sampled: 12/1/2021 08:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Color (Field)	CLEAR		N/A	N/A	1			12/1/2021 00:00	SUB	FIELD
Conductivity (Field)	1036.6	umhos/cm			1			12/1/2021 00:00	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			12/1/2021 00:00	SUB	FIELD
pH (Field)	7.59	S.U.			1			12/1/2021 00:00	SUB	FIELD
Temperature (Field)	10.59	Deg. C			1			12/1/2021 00:00	SUB	FIELD
Turbidity (Field)	217.14	NTU	N/A	N/A	1			12/1/2021 00:00	SUB	FIELD
Inorganic Results										
Alkalinity Total	340	mg/L	21	70	1			12/7/2021 11:34	lay	EPA 310.2
Total Sulfide	<1.0	mg/L	1.0		1			12/2/2021 13:25	ATJ	SM 4500-S2F
Nitrate Nitrogen Total	0.14	mg/L	0.12 *	0.4	1			12/2/2021 14:29	TMG	EPA 9056A
Total Chloride	180	mg/L	5.0	16	5			12/2/2021 20:15	TMG	EPA 9056A
Total Sulfate	48	mg/L	0.8	2.5	1			12/2/2021 14:29	TMG	EPA 9056A
Total Organic Carbon	1.1	mg/L	0.4 *	1.3	1			12/8/2021 17:55	KMT	EPA 9060A
Metals Results										
Total Iron	1.89	mg/L	0.033	0.11	1		12/3/2021 09:40	12/8/2021 05:27	NAH	EPA 6010C
Total Manganese	99.3	ug/L	1.5	5.0	1		12/3/2021 09:40	12/8/2021 05:27	NAH	EPA 6010C
Organic Results										
Ethane	<0.38	ug/L	0.38	1.3	1		12/6/2021 08:14	12/8/2021 12:36	KMT	RSK 175
Ethene	<0.59	ug/L	0.59	2.0	1		12/6/2021 08:14	12/8/2021 12:36	KMT	RSK 175
Methane	9.6	ug/L	0.45	1.5	1		12/6/2021 08:14	12/8/2021 12:36	KMT	RSK 175
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			12/9/2021 12:02	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			12/9/2021 12:02	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			12/9/2021 12:02	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			12/9/2021 12:02	RLD	EPA 8260C

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

CT LAB Sample#: 1080208

Sample Description: MW-5D

License/Well #: 04189/010

Sampled: 12/1/2021 08:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,1-Dichloroethane	1.2	ug/L	0.017	0.10	1		12/9/2021	12:02	RLD	EPA 8260C
1,1-Dichloroethene	0.084	ug/L	0.024 *	0.10	1		12/9/2021	12:02	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1		12/9/2021	12:02	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1		12/9/2021	12:02	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1		12/9/2021	12:02	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1		12/9/2021	12:02	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1		12/9/2021	12:02	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1		12/9/2021	12:02	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1		12/9/2021	12:02	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1		12/9/2021	12:02	RLD	EPA 8260C
1,2-Dichloroethane	0.57	ug/L	0.017	0.10	1		12/9/2021	12:02	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1		12/9/2021	12:02	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1		12/9/2021	12:02	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1		12/9/2021	12:02	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1		12/9/2021	12:02	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1		12/9/2021	12:02	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1		12/9/2021	12:02	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1		12/9/2021	12:02	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1		12/9/2021	12:02	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1		12/9/2021	12:02	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1		12/9/2021	12:02	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1		12/9/2021	12:02	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1		12/9/2021	12:02	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1		12/9/2021	12:02	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1		12/9/2021	12:02	RLD	EPA 8260C

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

CT LAB Sample#: 1080208

Sample Description: MW-5D

License/Well #: 04189/010

Sampled: 12/1/2021 08:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			12/9/2021 12:02	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			12/9/2021 12:02	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			12/9/2021 12:02	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			12/9/2021 12:02	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			12/9/2021 12:02	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			12/9/2021 12:02	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			12/9/2021 12:02	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			12/9/2021 12:02	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			12/9/2021 12:02	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			12/9/2021 12:02	RLD	EPA 8260C
cis-1,2-Dichloroethene	13	ug/L	0.023	0.10	1			12/9/2021 12:02	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			12/9/2021 12:02	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			12/9/2021 12:02	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			12/9/2021 12:02	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			12/9/2021 12:02	RLD	EPA 8260C
Diisopropyl ether	0.19	ug/L	0.02	0.1	1			12/9/2021 12:02	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			12/9/2021 12:02	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			12/9/2021 12:02	RLD	EPA 8260C
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1			12/9/2021 12:02	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			12/9/2021 12:02	RLD	EPA 8260C
Methyl tert-butyl ether	0.11	ug/L	0.014	0.10	1			12/9/2021 12:02	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			12/9/2021 12:02	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			12/9/2021 12:02	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			12/9/2021 12:02	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			12/9/2021 12:02	RLD	EPA 8260C

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

CT LAB Sample#: 1080208	Sample Description: MW-5D	License/Well #: 04189/010	Sampled: 12/1/2021 08:30
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
o-Xylene	<0.016	ug/L	0.016	0.10	1			12/9/2021 12:02	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			12/9/2021 12:02	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			12/9/2021 12:02	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			12/9/2021 12:02	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			12/9/2021 12:02	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			12/9/2021 12:02	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			12/9/2021 12:02	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			12/9/2021 12:02	RLD	EPA 8260C
trans-1,2-Dichloroethene	1.1	ug/L	0.020	0.10	1			12/9/2021 12:02	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			12/9/2021 12:02	RLD	EPA 8260C
Trichloroethene	1.3	ug/L	0.022	0.10	1			12/9/2021 12:02	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			12/9/2021 12:02	RLD	EPA 8260C
Vinyl acetate	0.23	ug/L	0.14 *	1.0	1			12/9/2021 12:02	RLD	EPA 8260C
Vinyl chloride	0.80	ug/L	0.019	0.10	1			12/9/2021 12:02	RLD	EPA 8260C
1,4-Dioxane	<7.0	ug/L	7.0	23	1	Z,Q		12/9/2021 12:02	RLD	EPA 8260C

CT LAB Sample#: 1080221	Sample Description: MW-5D	License/Well #: 04189/010	Sampled: 12/1/2021 08:30
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Iron	1.75	mg/L	0.027	0.09	1			12/3/2021 07:51	NAH	EPA 6010C
Dissolved Manganese	85.9	ug/L	1.2	5.0	1			12/3/2021 07:51	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#: 1080222 Sample Description: MW-9S License/Well #: 04189/014 Sampled: 12/1/2021 09:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Dissolved Oxygen (Field)	1.41	mg/L			1			12/1/2021 00:00	SUB	FIELD
Depth to Groundwater (Field)	6.34	Feet			1			12/1/2021 00:00	SUB	FIELD
OX/REDOX (Field)	-27.9	MV			1			12/1/2021 00:00	SUB	FIELD
Color (Field)	CLEAR		N/A	N/A	1			12/1/2021 00:00	SUB	FIELD
Conductivity (Field)	1456.50	umhos/cm			1			12/1/2021 00:00	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			12/1/2021 00:00	SUB	FIELD
pH (Field)	7.54	S.U.			1			12/1/2021 00:00	SUB	FIELD
Temperature (Field)	11.20	Deg. C			1			12/1/2021 00:00	SUB	FIELD
Turbidity (Field)	200.86	NTU	N/A	N/A	1			12/1/2021 00:00	SUB	FIELD
Inorganic Results										
Alkalinity Total	340	mg/L	21	70	1			12/7/2021 11:35	lay	EPA 310.2
Total Sulfide	<1.0	mg/L	1.0		1			12/2/2021 13:25	ATJ	SM 4500-S2F
Nitrate Nitrogen Total	<0.12	mg/L	0.12	0.4	1			12/2/2021 14:48	TMG	EPA 9056A
Total Chloride	350	mg/L	20	64	20			12/3/2021 08:55	TMG	EPA 9056A
Total Sulfate	38	mg/L	0.8	2.5	1			12/2/2021 14:48	TMG	EPA 9056A
Total Organic Carbon	1.3	mg/L	0.4	1.3	1			12/8/2021 18:06	KMT	EPA 9060A
Metals Results										
Total Iron	1.98	mg/L	0.033	0.11	1		12/3/2021 09:40	12/8/2021 05:35	NAH	EPA 6010C
Total Manganese	104	ug/L	1.5	5.0	1		12/3/2021 09:40	12/8/2021 05:35	NAH	EPA 6010C
Organic Results										
Ethane	<0.38	ug/L	0.38	1.3	1		12/6/2021 08:14	12/8/2021 12:40	KMT	RSK 175
Ethene	<0.59	ug/L	0.59	2.0	1		12/6/2021 08:14	12/8/2021 12:40	KMT	RSK 175
Methane	2.9	ug/L	0.45	1.5	1		12/6/2021 08:14	12/8/2021 12:40	KMT	RSK 175

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

CT LAB Sample#: 1080222 Sample Description: MW-9S License/Well #: 04189/014 Sampled: 12/1/2021 09:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			12/8/2021 18:16	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			12/8/2021 18:16	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			12/8/2021 18:16	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			12/8/2021 18:16	RLD	EPA 8260C
1,1-Dichloroethane	0.096	ug/L	0.017 *	0.10	1			12/8/2021 18:16	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			12/8/2021 18:16	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			12/8/2021 18:16	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			12/8/2021 18:16	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			12/8/2021 18:16	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			12/8/2021 18:16	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			12/8/2021 18:16	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			12/8/2021 18:16	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			12/8/2021 18:16	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			12/8/2021 18:16	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/8/2021 18:16	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			12/8/2021 18:16	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			12/8/2021 18:16	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			12/8/2021 18:16	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			12/8/2021 18:16	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			12/8/2021 18:16	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			12/8/2021 18:16	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			12/8/2021 18:16	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			12/8/2021 18:16	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			12/8/2021 18:16	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			12/8/2021 18:16	RLD	EPA 8260C

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

CT LAB Sample#: 1080222

Sample Description: MW-9S

License/Well #: 04189/014

Sampled: 12/1/2021 09:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1		12/8/2021	18:16	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1		12/8/2021	18:16	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1		12/8/2021	18:16	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1		12/8/2021	18:16	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1		12/8/2021	18:16	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1		12/8/2021	18:16	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1		12/8/2021	18:16	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1		12/8/2021	18:16	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1		12/8/2021	18:16	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1		12/8/2021	18:16	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1		12/8/2021	18:16	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1		12/8/2021	18:16	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1		12/8/2021	18:16	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1		12/8/2021	18:16	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1		12/8/2021	18:16	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1		12/8/2021	18:16	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1		12/8/2021	18:16	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1		12/8/2021	18:16	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1		12/8/2021	18:16	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1		12/8/2021	18:16	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1		12/8/2021	18:16	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1		12/8/2021	18:16	RLD	EPA 8260C
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1		12/8/2021	18:16	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1		12/8/2021	18:16	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1		12/8/2021	18:16	RLD	EPA 8260C

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

CT LAB Sample#: 1080222	Sample Description: MW-9S	License/Well #: 04189/014	Sampled: 12/1/2021 09:30
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Methylene chloride	<0.090	ug/L	0.090	0.40	1			12/8/2021 18:16	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			12/8/2021 18:16	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			12/8/2021 18:16	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			12/8/2021 18:16	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			12/8/2021 18:16	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			12/8/2021 18:16	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			12/8/2021 18:16	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			12/8/2021 18:16	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			12/8/2021 18:16	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			12/8/2021 18:16	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			12/8/2021 18:16	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			12/8/2021 18:16	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			12/8/2021 18:16	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			12/8/2021 18:16	RLD	EPA 8260C
Trichloroethene	0.21	ug/L	0.022	0.10	1			12/8/2021 18:16	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			12/8/2021 18:16	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			12/8/2021 18:16	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			12/8/2021 18:16	RLD	EPA 8260C
1,4-Dioxane	<7.0	ug/L	7.0	23	1	Z,Q		12/8/2021 18:16	RLD	EPA 8260C

CT LAB Sample#: 1080223	Sample Description: MW-9S	License/Well #: 04189/014	Sampled: 12/1/2021 09:30
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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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#: 1080223	Sample Description: MW-9S	License/Well #: 04189/014	Sampled: 12/1/2021 09:30
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dissolved Iron	0.61	mg/L	0.027	0.09	1			12/3/2021 07:59	NAH	EPA 6010C
Dissolved Manganese	100	ug/L	1.2	5.0	1			12/3/2021 07:59	NAH	EPA 6010C

CT LAB Sample#: 1080224	Sample Description: MW-2D	License/Well #: 04189/004	Sampled: 12/1/2021 10:30
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Field Results

Dissolved Oxygen (Field)	1.12	mg/L			1			12/1/2021 00:00	SUB	FIELD
Depth to Groundwater (Field)	6.74	Feet			1			12/1/2021 00:00	SUB	FIELD
OX/REDOX (Field)	1.2	MV			1			12/1/2021 00:00	SUB	FIELD
Color (Field)	CLEAR		N/A	N/A	1			12/1/2021 00:00	SUB	FIELD
Conductivity (Field)	1046.8	umhos/cm			1			12/1/2021 00:00	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			12/1/2021 00:00	SUB	FIELD
pH (Field)	7.69	S.U.			1			12/1/2021 00:00	SUB	FIELD
Temperature (Field)	10.81	Deg. C			1			12/1/2021 00:00	SUB	FIELD
Turbidity (Field)	239.87	NTU	N/A	N/A	1			12/1/2021 00:00	SUB	FIELD

Inorganic Results

Alkalinity Total	330	mg/L	21	70	1			12/7/2021 11:36	lay	EPA 310.2
Total Sulfide	<1.0	mg/L	1.0		1			12/2/2021 13:25	ATJ	SM 4500-S2F
Nitrate Nitrogen Total	0.12	mg/L	0.12 *	0.4	1			12/2/2021 15:07	TMG	EPA 9056A
Total Chloride	180	mg/L	10	32	10			12/3/2021 09:15	TMG	EPA 9056A
Total Sulfate	47	mg/L	0.8	2.5	1			12/2/2021 15:07	TMG	EPA 9056A
Total Organic Carbon	0.65	mg/L	0.4 *	1.3	1			12/8/2021 18:17	KMT	EPA 9060A

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#: 1080224	Sample Description: MW-2D	License/Well #: 04189/004	Sampled: 12/1/2021 10:30
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Total Iron	0.524	mg/L	0.033	0.11	1		12/3/2021 09:40	12/8/2021 05:43	NAH	EPA 6010C
Total Manganese	19.1	ug/L	1.5	5.0	1		12/3/2021 09:40	12/8/2021 05:43	NAH	EPA 6010C
Organic Results										
Ethane	<0.38	ug/L	0.38	1.3	1		12/6/2021 08:14	12/8/2021 12:54	KMT	RSK 175
Ethene	<0.59	ug/L	0.59	2.0	1		12/6/2021 08:14	12/8/2021 12:54	KMT	RSK 175
Methane	2.5	ug/L	0.45	1.5	1		12/6/2021 08:14	12/8/2021 12:54	KMT	RSK 175
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			12/8/2021 18:44	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			12/8/2021 18:44	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			12/8/2021 18:44	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			12/8/2021 18:44	RLD	EPA 8260C
1,1-Dichloroethane	0.10	ug/L	0.017	0.10	1			12/8/2021 18:44	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			12/8/2021 18:44	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			12/8/2021 18:44	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			12/8/2021 18:44	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			12/8/2021 18:44	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			12/8/2021 18:44	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			12/8/2021 18:44	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			12/8/2021 18:44	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			12/8/2021 18:44	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			12/8/2021 18:44	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/8/2021 18:44	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			12/8/2021 18:44	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			12/8/2021 18:44	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			12/8/2021 18:44	RLD	EPA 8260C

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

CT LAB Sample#: 1080224

Sample Description: MW-2D

License/Well #: 04189/004

Sampled: 12/1/2021 10:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			12/8/2021 18:44	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			12/8/2021 18:44	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			12/8/2021 18:44	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			12/8/2021 18:44	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			12/8/2021 18:44	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			12/8/2021 18:44	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			12/8/2021 18:44	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			12/8/2021 18:44	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			12/8/2021 18:44	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			12/8/2021 18:44	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			12/8/2021 18:44	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			12/8/2021 18:44	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			12/8/2021 18:44	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			12/8/2021 18:44	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			12/8/2021 18:44	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			12/8/2021 18:44	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			12/8/2021 18:44	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			12/8/2021 18:44	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			12/8/2021 18:44	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			12/8/2021 18:44	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			12/8/2021 18:44	RLD	EPA 8260C
cis-1,2-Dichloroethene	0.046	ug/L	0.023 *	0.10	1			12/8/2021 18:44	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			12/8/2021 18:44	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			12/8/2021 18:44	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			12/8/2021 18:44	RLD	EPA 8260C

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

CT LAB Sample#: 1080224

Sample Description: MW-2D

License/Well #: 04189/004

Sampled: 12/1/2021 10:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1		12/8/2021 18:44	12/8/2021 18:44	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1		12/8/2021 18:44	12/8/2021 18:44	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1		12/8/2021 18:44	12/8/2021 18:44	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1		12/8/2021 18:44	12/8/2021 18:44	RLD	EPA 8260C
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1		12/8/2021 18:44	12/8/2021 18:44	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1		12/8/2021 18:44	12/8/2021 18:44	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1		12/8/2021 18:44	12/8/2021 18:44	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1		12/8/2021 18:44	12/8/2021 18:44	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1		12/8/2021 18:44	12/8/2021 18:44	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1		12/8/2021 18:44	12/8/2021 18:44	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1		12/8/2021 18:44	12/8/2021 18:44	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1		12/8/2021 18:44	12/8/2021 18:44	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1		12/8/2021 18:44	12/8/2021 18:44	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1		12/8/2021 18:44	12/8/2021 18:44	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1		12/8/2021 18:44	12/8/2021 18:44	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1		12/8/2021 18:44	12/8/2021 18:44	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1		12/8/2021 18:44	12/8/2021 18:44	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1		12/8/2021 18:44	12/8/2021 18:44	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1		12/8/2021 18:44	12/8/2021 18:44	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1		12/8/2021 18:44	12/8/2021 18:44	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1		12/8/2021 18:44	12/8/2021 18:44	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1		12/8/2021 18:44	12/8/2021 18:44	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1		12/8/2021 18:44	12/8/2021 18:44	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1		12/8/2021 18:44	12/8/2021 18:44	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1		12/8/2021 18:44	12/8/2021 18:44	RLD	EPA 8260C

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

CT LAB Sample#: 1080224	Sample Description: MW-2D	License/Well #: 04189/004	Sampled: 12/1/2021 10:30
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,4-Dioxane	<7.0	ug/L	7.0	23	1	Z,Q		12/8/2021 18:44	RLD	EPA 8260C

CT LAB Sample#: 1080225	Sample Description: MW-2D	License/Well #: 04189/004	Sampled: 12/1/2021 10:30
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Metals Results

Dissolved Iron	1.03	mg/L	0.027	0.09	1			12/3/2021 08:07	NAH	EPA 6010C
Dissolved Manganese	21.2	ug/L	1.2	5.0	1			12/3/2021 08:07	NAH	EPA 6010C

CT LAB Sample#: 1080226	Sample Description: OW-6	License/Well #: 04189/049	Sampled: 12/1/2021 11:00
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Field Results

Dissolved Oxygen (Field)	1.75	mg/L			1			12/1/2021 00:00	SUB	FIELD
Depth to Groundwater (Field)	6.13	Feet			1			12/1/2021 00:00	SUB	FIELD
OX/REDOX (Field)	-66.1	MV			1			12/1/2021 00:00	SUB	FIELD
Color (Field)	CLEAR		N/A	N/A	1			12/1/2021 00:00	SUB	FIELD
Conductivity (Field)	869.12	umhos/cm			1			12/1/2021 00:00	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			12/1/2021 00:00	SUB	FIELD
pH (Field)	10.17	S.U.			1			12/1/2021 00:00	SUB	FIELD
Temperature (Field)	11.26	Deg. C			1			12/1/2021 00:00	SUB	FIELD
Turbidity (Field)	224.01	NTU	N/A	N/A	1			12/1/2021 00:00	SUB	FIELD

Inorganic Results

Alkalinity Total	260	mg/L	21	70	1			12/7/2021 11:38	lay	EPA 310.2
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CT LAB Sample#: 1080226 Sample Description: OW-6 License/Well #: 04189/049 Sampled: 12/1/2021 11:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Total Sulfide	<1.0	mg/L	1.0		1			12/2/2021 13:25	ATJ	SM 4500-S2F
Nitrate Nitrogen Total	0.12	mg/L	0.12 *	0.4	1			12/2/2021 15:27	TMG	EPA 9056A
Total Chloride	120	mg/L	5.0	16	5			12/3/2021 09:34	TMG	EPA 9056A
Total Sulfate	20	mg/L	0.8	2.5	1			12/2/2021 15:27	TMG	EPA 9056A
Total Organic Carbon	<0.4	mg/L	0.4	1.3	1			12/8/2021 18:28	KMT	EPA 9060A
Metals Results										
Total Iron	<0.033	mg/L	0.033	0.11	1		12/3/2021 09:40	12/8/2021 05:51	NAH	EPA 6010C
Total Manganese	1.5	ug/L	1.5 *	5.0	1		12/3/2021 09:40	12/8/2021 05:51	NAH	EPA 6010C
Organic Results										
Ethane	<0.38	ug/L	0.38	1.3	1		12/6/2021 08:14	12/8/2021 13:02	KMT	RSK 175
Ethene	<0.59	ug/L	0.59	2.0	1		12/6/2021 08:14	12/8/2021 13:02	KMT	RSK 175
Methane	0.89	ug/L	0.45 *	1.5	1		12/6/2021 08:14	12/8/2021 13:02	KMT	RSK 175
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			12/8/2021 19:12	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			12/8/2021 19:12	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			12/8/2021 19:12	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			12/8/2021 19:12	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/8/2021 19:12	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			12/8/2021 19:12	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			12/8/2021 19:12	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			12/8/2021 19:12	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			12/8/2021 19:12	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			12/8/2021 19:12	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			12/8/2021 19:12	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			12/8/2021 19:12	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#: 1080226 Sample Description: OW-6 License/Well #: 04189/049 Sampled: 12/1/2021 11:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			12/8/2021 19:12	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			12/8/2021 19:12	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/8/2021 19:12	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			12/8/2021 19:12	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			12/8/2021 19:12	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			12/8/2021 19:12	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			12/8/2021 19:12	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			12/8/2021 19:12	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			12/8/2021 19:12	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			12/8/2021 19:12	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			12/8/2021 19:12	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			12/8/2021 19:12	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			12/8/2021 19:12	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			12/8/2021 19:12	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			12/8/2021 19:12	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			12/8/2021 19:12	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			12/8/2021 19:12	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			12/8/2021 19:12	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			12/8/2021 19:12	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			12/8/2021 19:12	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			12/8/2021 19:12	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			12/8/2021 19:12	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			12/8/2021 19:12	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			12/8/2021 19:12	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			12/8/2021 19:12	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#: 1080226 Sample Description: OW-6 License/Well #: 04189/049 Sampled: 12/1/2021 11:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Chloroform	<0.016	ug/L	0.016	0.10	1			12/8/2021 19:12	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			12/8/2021 19:12	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1			12/8/2021 19:12	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			12/8/2021 19:12	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			12/8/2021 19:12	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			12/8/2021 19:12	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			12/8/2021 19:12	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			12/8/2021 19:12	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			12/8/2021 19:12	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			12/8/2021 19:12	RLD	EPA 8260C
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1			12/8/2021 19:12	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			12/8/2021 19:12	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			12/8/2021 19:12	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			12/8/2021 19:12	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			12/8/2021 19:12	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			12/8/2021 19:12	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			12/8/2021 19:12	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			12/8/2021 19:12	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			12/8/2021 19:12	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			12/8/2021 19:12	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			12/8/2021 19:12	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			12/8/2021 19:12	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			12/8/2021 19:12	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			12/8/2021 19:12	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			12/8/2021 19:12	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#: 1080226	Sample Description: OW-6	License/Well #: 04189/049	Sampled: 12/1/2021 11:00
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			12/8/2021 19:12	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			12/8/2021 19:12	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			12/8/2021 19:12	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			12/8/2021 19:12	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			12/8/2021 19:12	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			12/8/2021 19:12	RLD	EPA 8260C
1,4-Dioxane	<7.0	ug/L	7.0	23	1	Z,Q		12/8/2021 19:12	RLD	EPA 8260C

CT LAB Sample#: 1080227	Sample Description: OW-6	License/Well #: 04189/049	Sampled: 12/1/2021 11:00
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Iron	<0.027	mg/L	0.027	0.09	1			12/3/2021 08:15	NAH	EPA 6010C
Dissolved Manganese	1.2	ug/L	1.2 *	5.0	1			12/3/2021 08:15	NAH	EPA 6010C

CT LAB Sample#: 1080228	Sample Description: MW-103D	License/Well #: 04189/040	Sampled: 12/1/2021 12:00
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Dissolved Oxygen (Field)	0.86	mg/L			1			12/1/2021 00:00	SUB	FIELD
Depth to Groundwater (Field)	7.33	Feet			1			12/1/2021 00:00	SUB	FIELD
OX/REDOX (Field)	22.3	MV			1			12/1/2021 00:00	SUB	FIELD
Color (Field)	CLEAR		N/A	N/A	1			12/1/2021 00:00	SUB	FIELD
Conductivity (Field)	1176.8	umhos/cm			1			12/1/2021 00:00	SUB	FIELD

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

CT LAB Sample#: 1080228 Sample Description: MW-103D License/Well #: 04189/040 Sampled: 12/1/2021 12:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Odor (Field)	NONE		N/A	N/A	1			12/1/2021 00:00	SUB	FIELD
pH (Field)	7.75	S.U.			1			12/1/2021 00:00	SUB	FIELD
Temperature (Field)	11.78	Deg. C			1			12/1/2021 00:00	SUB	FIELD
Turbidity (Field)	196.22	NTU	N/A	N/A	1			12/1/2021 00:00	SUB	FIELD
Inorganic Results										
Alkalinity Total	320	mg/L	21	70	1			12/7/2021 11:42	lay	EPA 310.2
Total Sulfide	<1.0	mg/L	1.0		1			12/2/2021 13:25	ATJ	SM 4500-S2F
Nitrate Nitrogen Total	<0.12	mg/L	0.12	0.4	1			12/2/2021 15:46	TMG	EPA 9056A
Total Chloride	240	mg/L	10	32	10			12/3/2021 09:53	TMG	EPA 9056A
Total Sulfate	63	mg/L	0.8	2.5	1			12/2/2021 15:46	TMG	EPA 9056A
Total Organic Carbon	4.0	mg/L	0.4	1.3	1			12/8/2021 18:47	KMT	EPA 9060A
Metals Results										
Total Iron	0.184	mg/L	0.033	0.11	1		12/3/2021 09:40	12/8/2021 06:20	NAH	EPA 6010C
Total Manganese	316	ug/L	1.5	5.0	1		12/3/2021 09:40	12/8/2021 06:20	NAH	EPA 6010C
Organic Results										
Ethane	<0.38	ug/L	0.38	1.3	1		12/6/2021 08:14	12/8/2021 13:35	KMT	RSK 175
Ethene	<0.59	ug/L	0.59	2.0	1		12/6/2021 08:14	12/8/2021 13:35	KMT	RSK 175
Methane	10.0	ug/L	0.45	1.5	1		12/6/2021 08:14	12/8/2021 13:35	KMT	RSK 175
1,1,1,2-Tetrachloroethane	<0.13	ug/L	0.13	1.0	10			12/9/2021 13:57	RLD	EPA 8260C
1,1,1-Trichloroethane	12	ug/L	0.13	1.0	10			12/9/2021 13:57	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.15	ug/L	0.15	1.0	10			12/9/2021 13:57	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.36	ug/L	0.36	2.0	10			12/9/2021 13:57	RLD	EPA 8260C
1,1-Dichloroethane	4.8	ug/L	0.17	1.0	10			12/9/2021 13:57	RLD	EPA 8260C
1,1-Dichloroethene	1.0	ug/L	0.24	1.0	10			12/9/2021 13:57	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#: 1080228 Sample Description: MW-103D License/Well #: 04189/040 Sampled: 12/1/2021 12:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,1-Dichloropropene	<0.74	ug/L	0.74	2.0	10			12/9/2021 13:57	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.19	ug/L	0.19	1.0	10			12/9/2021 13:57	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.31	ug/L	0.31	2.0	10			12/9/2021 13:57	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.22	ug/L	0.22	1.0	10			12/9/2021 13:57	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.11	ug/L	0.11	1.0	10			12/9/2021 13:57	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<1.2	ug/L	1.2	4.0	10			12/9/2021 13:57	RLD	EPA 8260C
1,2-Dibromoethane	<0.29	ug/L	0.29	2.0	10			12/9/2021 13:57	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.16	ug/L	0.16	1.0	10			12/9/2021 13:57	RLD	EPA 8260C
1,2-Dichloroethane	<0.17	ug/L	0.17	1.0	10			12/9/2021 13:57	RLD	EPA 8260C
1,2-Dichloropropane	<0.13	ug/L	0.13	1.0	10			12/9/2021 13:57	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.13	ug/L	0.13	1.0	10			12/9/2021 13:57	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.13	ug/L	0.13	1.0	10			12/9/2021 13:57	RLD	EPA 8260C
1,3-Dichloropropane	<0.20	ug/L	0.20	1.0	10			12/9/2021 13:57	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.17	ug/L	0.17	1.0	10			12/9/2021 13:57	RLD	EPA 8260C
2,2-Dichloropropane	<0.75	ug/L	0.75	3.0	10			12/9/2021 13:57	RLD	EPA 8260C
2-Butanone	<3.1	ug/L	3.1	20	10			12/9/2021 13:57	RLD	EPA 8260C
2-Chlorotoluene	<0.20	ug/L	0.20	1.0	10			12/9/2021 13:57	RLD	EPA 8260C
2-Hexanone	<1.5	ug/L	1.5	10	10			12/9/2021 13:57	RLD	EPA 8260C
4-Chlorotoluene	<0.13	ug/L	0.13	1.0	10			12/9/2021 13:57	RLD	EPA 8260C
4-Methyl-2-pentanone	<1.9	ug/L	1.9	10	10			12/9/2021 13:57	RLD	EPA 8260C
Acetone	14	ug/L	8.4 *	40	10	M		12/9/2021 13:57	RLD	EPA 8260C
Benzene	<0.22	ug/L	0.22	1.0	10			12/9/2021 13:57	RLD	EPA 8260C
Bromobenzene	<0.18	ug/L	0.18	1.0	10			12/9/2021 13:57	RLD	EPA 8260C
Bromochloromethane	<0.34	ug/L	0.34	2.0	10			12/9/2021 13:57	RLD	EPA 8260C
Bromodichloromethane	<0.19	ug/L	0.19	1.0	10			12/9/2021 13:57	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#: 1080228 Sample Description: MW-103D License/Well #: 04189/040 Sampled: 12/1/2021 12:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Bromoform	<0.41	ug/L	0.41	2.0	10			12/9/2021 13:57	RLD	EPA 8260C
Bromomethane	<0.52	ug/L	0.52	2.0	10			12/9/2021 13:57	RLD	EPA 8260C
Carbon disulfide	<1.1	ug/L	1.1	4.0	10			12/9/2021 13:57	RLD	EPA 8260C
Carbon tetrachloride	<0.18	ug/L	0.18	1.0	10			12/9/2021 13:57	RLD	EPA 8260C
Chlorobenzene	<0.13	ug/L	0.13	1.0	10			12/9/2021 13:57	RLD	EPA 8260C
Chloroethane	<4.0	ug/L	4.0	15	10			12/9/2021 13:57	RLD	EPA 8260C
Chloroform	<0.16	ug/L	0.16	1.0	10			12/9/2021 13:57	RLD	EPA 8260C
Chloromethane	<0.45	ug/L	0.45	2.0	10			12/9/2021 13:57	RLD	EPA 8260C
cis-1,2-Dichloroethene	95	ug/L	0.23	1.0	10			12/9/2021 13:57	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.14	ug/L	0.14	1.0	10			12/9/2021 13:57	RLD	EPA 8260C
Dibromochloromethane	<0.16	ug/L	0.16	1.0	10			12/9/2021 13:57	RLD	EPA 8260C
Dibromomethane	<0.18	ug/L	0.18	1.0	10			12/9/2021 13:57	RLD	EPA 8260C
Dichlorodifluoromethane	<0.91	ug/L	0.91	3.0	10			12/9/2021 13:57	RLD	EPA 8260C
Diisopropyl ether	<0.2	ug/L	0.2	1	10			12/9/2021 13:57	RLD	EPA 8260C
Ethylbenzene	<0.14	ug/L	0.14	1.0	10			12/9/2021 13:57	RLD	EPA 8260C
Hexachlorobutadiene	<0.27	ug/L	0.27	2.0	10			12/9/2021 13:57	RLD	EPA 8260C
Isopropylbenzene	<0.14	ug/L	0.14	1.0	10			12/9/2021 13:57	RLD	EPA 8260C
m & p-Xylene	<0.22	ug/L	0.22	2.0	10			12/9/2021 13:57	RLD	EPA 8260C
Methyl tert-butyl ether	<0.14	ug/L	0.14	1.0	10			12/9/2021 13:57	RLD	EPA 8260C
Methylene chloride	7.0	ug/L	0.90	4.0	10	Z		12/9/2021 13:57	RLD	EPA 8260C
n-Butylbenzene	<0.21	ug/L	0.21	1.0	10			12/9/2021 13:57	RLD	EPA 8260C
n-Propylbenzene	<0.13	ug/L	0.13	1.0	10			12/9/2021 13:57	RLD	EPA 8260C
Naphthalene	<0.25	ug/L	0.25	1.0	10			12/9/2021 13:57	RLD	EPA 8260C
o-Xylene	<0.16	ug/L	0.16	1.0	10			12/9/2021 13:57	RLD	EPA 8260C
p-Isopropyltoluene	<0.16	ug/L	0.16	1.0	10			12/9/2021 13:57	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#: 1080228	Sample Description: MW-103D	License/Well #: 04189/040	Sampled: 12/1/2021 12:00
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
sec-Butylbenzene	<0.12	ug/L	0.12	1.0	10			12/9/2021 13:57	RLD	EPA 8260C
Styrene	<0.14	ug/L	0.14	1.0	10			12/9/2021 13:57	RLD	EPA 8260C
tert-Butylbenzene	<0.13	ug/L	0.13	1.0	10			12/9/2021 13:57	RLD	EPA 8260C
Tetrachloroethene	<0.28	ug/L	0.28	2.0	10			12/9/2021 13:57	RLD	EPA 8260C
Tetrahydrofuran	<3.8	ug/L	3.8	20	10			12/9/2021 13:57	RLD	EPA 8260C
Toluene	<0.14	ug/L	0.14	1.0	10			12/9/2021 13:57	RLD	EPA 8260C
trans-1,2-Dichloroethene	0.73	ug/L	0.20 *	1.0	10			12/9/2021 13:57	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.20	ug/L	0.20	1.0	10			12/9/2021 13:57	RLD	EPA 8260C
Trichloroethene	120	ug/L	0.22	1.0	10			12/9/2021 13:57	RLD	EPA 8260C
Trichlorofluoromethane	<0.33	ug/L	0.33	2.0	10			12/9/2021 13:57	RLD	EPA 8260C
Vinyl acetate	<1.4	ug/L	1.4	10	10			12/9/2021 13:57	RLD	EPA 8260C
Vinyl chloride	0.27	ug/L	0.19 *	1.0	10			12/9/2021 13:57	RLD	EPA 8260C
1,4-Dioxane	<70	ug/L	70	230	10	Z,Q		12/9/2021 13:57	RLD	EPA 8260C

CT LAB Sample#: 1080229	Sample Description: MW-103D	License/Well #: 04189/040	Sampled: 12/1/2021 12:00
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Iron	0.0591	mg/L	0.027 *	0.09	1			12/3/2021 08:22	NAH	EPA 6010C
Dissolved Manganese	302	ug/L	1.2	5.0	1			12/3/2021 08:22	NAH	EPA 6010C

CT LAB Sample#: 1080230	Sample Description: MW-103S	License/Well #: 04189/039	Sampled: 12/1/2021 12:30
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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CT LAB Sample#: 1080230 Sample Description: MW-103S License/Well #: 04189/039 Sampled: 12/1/2021 12:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Dissolved Oxygen (Field)	1.41	mg/L			1			12/1/2021 00:00	SUB	FIELD
Depth to Groundwater (Field)	7.59	Feet			1			12/1/2021 00:00	SUB	FIELD
OX/REDOX (Field)	48.2	MV			1			12/1/2021 00:00	SUB	FIELD
Color (Field)	CLEAR		N/A	N/A	1			12/1/2021 00:00	SUB	FIELD
Conductivity (Field)	1017.3	umhos/cm			1			12/1/2021 00:00	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			12/1/2021 00:00	SUB	FIELD
pH (Field)	7.57	S.U.			1			12/1/2021 00:00	SUB	FIELD
Temperature (Field)	11.82	Deg. C			1			12/1/2021 00:00	SUB	FIELD
Turbidity (Field)	169.81	NTU	N/A	N/A	1			12/1/2021 00:00	SUB	FIELD
Inorganic Results										
Alkalinity Total	540	mg/L	21	70	1			12/7/2021 11:43	lay	EPA 310.2
Total Sulfide	<1.0	mg/L	1.0		1			12/2/2021 13:25	ATJ	SM 4500-S2F
Nitrate Nitrogen Total	<0.12	mg/L	0.12	0.4	1			12/2/2021 16:05	TMG	EPA 9056A
Total Chloride	68	mg/L	5.0	16	5			12/3/2021 10:12	TMG	EPA 9056A
Total Sulfate	60	mg/L	0.8	2.5	1			12/2/2021 16:05	TMG	EPA 9056A
Total Organic Carbon	6.2	mg/L	0.4	1.3	1			12/8/2021 19:29	KMT	EPA 9060A
Metals Results										
Total Iron	0.0649	mg/L	0.033 *	0.11	1		12/3/2021 09:40	12/8/2021 06:28	NAH	EPA 6010C
Total Manganese	387	ug/L	1.5	5.0	1		12/3/2021 09:40	12/8/2021 06:28	NAH	EPA 6010C
Organic Results										
Ethane	<0.38	ug/L	0.38	1.3	1		12/6/2021 08:14	12/8/2021 13:47	KMT	RSK 175
Ethene	<0.59	ug/L	0.59	2.0	1		12/6/2021 08:14	12/8/2021 13:47	KMT	RSK 175
Methane	58	ug/L	2.3	7.5	5		12/6/2021 08:14	12/8/2021 13:59	KMT	RSK 175

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

CT LAB Sample#: 1080230

Sample Description: MW-103S

License/Well #: 04189/039

Sampled: 12/1/2021 12:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1		12/9/2021	12:59	RLD	EPA 8260C
1,1,1-Trichloroethane	20	ug/L	0.065	0.50	5		12/8/2021	22:33	TMG	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1		12/9/2021	12:59	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1		12/9/2021	12:59	RLD	EPA 8260C
1,1-Dichloroethane	6.0	ug/L	0.017	0.10	1		12/9/2021	12:59	RLD	EPA 8260C
1,1-Dichloroethene	0.83	ug/L	0.024	0.10	1		12/9/2021	12:59	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1		12/9/2021	12:59	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1		12/9/2021	12:59	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1		12/9/2021	12:59	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1		12/9/2021	12:59	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1		12/9/2021	12:59	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1		12/9/2021	12:59	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1		12/9/2021	12:59	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1		12/9/2021	12:59	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1		12/9/2021	12:59	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1		12/9/2021	12:59	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1		12/9/2021	12:59	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1		12/9/2021	12:59	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1		12/9/2021	12:59	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1		12/9/2021	12:59	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1		12/9/2021	12:59	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1		12/9/2021	12:59	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1		12/9/2021	12:59	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1		12/9/2021	12:59	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1		12/9/2021	12:59	RLD	EPA 8260C

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

CT LAB Sample#: 1080230

Sample Description: MW-103S

License/Well #: 04189/039

Sampled: 12/1/2021 12:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			12/9/2021 12:59	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			12/9/2021 12:59	RLD	EPA 8260C
Benzene	0.25	ug/L	0.022	0.10	1			12/9/2021 12:59	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			12/9/2021 12:59	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			12/9/2021 12:59	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			12/9/2021 12:59	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			12/9/2021 12:59	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			12/9/2021 12:59	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			12/9/2021 12:59	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			12/9/2021 12:59	RLD	EPA 8260C
Chlorobenzene	0.74	ug/L	0.013	0.10	1	Q,Z		12/9/2021 12:59	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			12/9/2021 12:59	RLD	EPA 8260C
Chloroform	0.022	ug/L	0.016 *	0.10	1			12/9/2021 12:59	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			12/9/2021 12:59	RLD	EPA 8260C
cis-1,2-Dichloroethene	11	ug/L	0.023	0.10	1			12/9/2021 12:59	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			12/9/2021 12:59	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			12/9/2021 12:59	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			12/9/2021 12:59	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			12/9/2021 12:59	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			12/9/2021 12:59	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			12/9/2021 12:59	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			12/9/2021 12:59	RLD	EPA 8260C
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1			12/9/2021 12:59	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			12/9/2021 12:59	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			12/9/2021 12:59	RLD	EPA 8260C

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

CT LAB Sample#: 1080230 Sample Description: MW-103S License/Well #: 04189/039 Sampled: 12/1/2021 12:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Methylene chloride	<0.090	ug/L	0.090	0.40	1			12/9/2021 12:59	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			12/9/2021 12:59	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			12/9/2021 12:59	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			12/9/2021 12:59	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			12/9/2021 12:59	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			12/9/2021 12:59	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			12/9/2021 12:59	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			12/9/2021 12:59	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			12/9/2021 12:59	RLD	EPA 8260C
Tetrachloroethene	9.4	ug/L	0.028	0.20	1			12/9/2021 12:59	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			12/9/2021 12:59	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			12/9/2021 12:59	RLD	EPA 8260C
trans-1,2-Dichloroethene	0.15	ug/L	0.020	0.10	1			12/9/2021 12:59	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			12/9/2021 12:59	RLD	EPA 8260C
Trichloroethene	32	ug/L	0.11	0.50	5			12/8/2021 22:33	TMG	EPA 8260C
Trichlorofluoromethane	0.052	ug/L	0.033 *	0.20	1			12/9/2021 12:59	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			12/9/2021 12:59	RLD	EPA 8260C
Vinyl chloride	0.16	ug/L	0.019	0.10	1			12/9/2021 12:59	RLD	EPA 8260C
1,4-Dioxane	12	ug/L	7.0 *	23	1	Z,Q		12/9/2021 12:59	RLD	EPA 8260C

CT LAB Sample#: 1080231 Sample Description: MW-103S License/Well #: 04189/039 Sampled: 12/1/2021 12:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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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#: 1080231	Sample Description: MW-103S	License/Well #: 04189/039	Sampled: 12/1/2021 12:30
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dissolved Iron	0.0303	mg/L	0.027 *	0.09	1			12/3/2021 08:30	NAH	EPA 6010C
Dissolved Manganese	233	ug/L	1.2	5.0	1			12/3/2021 08:30	NAH	EPA 6010C

CT LAB Sample#: 1080232	Sample Description: MW-105D	License/Well #: 04189/044	Sampled: 12/1/2021 13:30
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Field Results

Dissolved Oxygen (Field)	1.09	mg/L			1			12/1/2021 00:00	SUB	FIELD
Depth to Groundwater (Field)	4.51	Feet			1			12/1/2021 00:00	SUB	FIELD
OX/REDOX (Field)	-27.6	MV			1			12/1/2021 00:00	SUB	FIELD
Color (Field)	CLEAR		N/A	N/A	1			12/1/2021 00:00	SUB	FIELD
Conductivity (Field)	1123.2	umhos/cm			1			12/1/2021 00:00	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			12/1/2021 00:00	SUB	FIELD
pH (Field)	7.8	S.U.			1			12/1/2021 00:00	SUB	FIELD
Temperature (Field)	11.16	Deg. C			1			12/1/2021 00:00	SUB	FIELD
Turbidity (Field)	152.72	NTU	N/A	N/A	1			12/1/2021 00:00	SUB	FIELD

Inorganic Results

Alkalinity Total	360	mg/L	21	70	1			12/7/2021 11:44	lay	EPA 310.2
Total Sulfide	<1.0	mg/L	1.0		1			12/2/2021 13:25	ATJ	SM 4500-S2F
Nitrate Nitrogen Total	0.23	mg/L	0.12 *	0.4	1			12/2/2021 16:24	TMG	EPA 9056A
Total Chloride	190	mg/L	10	32	10			12/3/2021 10:32	TMG	EPA 9056A
Total Sulfate	60	mg/L	0.8	2.5	1			12/2/2021 16:24	TMG	EPA 9056A
Total Organic Carbon	1.9	mg/L	0.4	1.3	1			12/8/2021 19:40	KMT	EPA 9060A

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#: 1080232	Sample Description: MW-105D	License/Well #: 04189/044	Sampled: 12/1/2021 13:30
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Total Iron	3.04	mg/L	0.033	0.11	1		12/3/2021 09:40	12/8/2021 06:36	NAH	EPA 6010C
Total Manganese	80.6	ug/L	1.5	5.0	1		12/3/2021 09:40	12/8/2021 06:36	NAH	EPA 6010C
Organic Results										
Ethane	<0.38	ug/L	0.38	1.3	1		12/6/2021 08:14	12/8/2021 14:10	KMT	RSK 175
Ethene	<0.59	ug/L	0.59	2.0	1		12/6/2021 08:14	12/8/2021 14:10	KMT	RSK 175
Methane	16	ug/L	0.45	1.5	1		12/6/2021 08:14	12/8/2021 14:10	KMT	RSK 175
1,1,1,2-Tetrachloroethane	<0.065	ug/L	0.065	0.50	5			12/8/2021 23:01	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.065	ug/L	0.065	0.50	5			12/8/2021 23:01	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.075	ug/L	0.075	0.50	5			12/8/2021 23:01	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.18	ug/L	0.18	1.0	5			12/8/2021 23:01	RLD	EPA 8260C
1,1-Dichloroethane	90	ug/L	1.7	10	100			12/9/2021 14:25	TMG	EPA 8260C
1,1-Dichloroethene	10	ug/L	0.12	0.50	5			12/8/2021 23:01	RLD	EPA 8260C
1,1-Dichloropropene	<0.37	ug/L	0.37	1.0	5			12/8/2021 23:01	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.095	ug/L	0.095	0.50	5			12/8/2021 23:01	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.16	ug/L	0.16	1.0	5			12/8/2021 23:01	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.11	ug/L	0.11	0.50	5			12/8/2021 23:01	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.055	ug/L	0.055	0.50	5			12/8/2021 23:01	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.60	ug/L	0.60	2.0	5			12/8/2021 23:01	RLD	EPA 8260C
1,2-Dibromoethane	<0.15	ug/L	0.15	1.0	5			12/8/2021 23:01	RLD	EPA 8260C
1,2-Dichlorobenzene	6.0	ug/L	0.080	0.50	5	Q,Z		12/8/2021 23:01	RLD	EPA 8260C
1,2-Dichloroethane	0.69	ug/L	0.085	0.50	5			12/8/2021 23:01	RLD	EPA 8260C
1,2-Dichloropropane	<0.065	ug/L	0.065	0.50	5			12/8/2021 23:01	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.065	ug/L	0.065	0.50	5			12/8/2021 23:01	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.065	ug/L	0.065	0.50	5			12/8/2021 23:01	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#: 1080232 Sample Description: MW-105D License/Well #: 04189/044 Sampled: 12/1/2021 13:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichloropropane	<0.10	ug/L	0.10	0.50	5			12/8/2021 23:01	RLD	EPA 8260C
1,4-Dichlorobenzene	11	ug/L	0.085	0.50	5	Q,Z		12/8/2021 23:01	RLD	EPA 8260C
2,2-Dichloropropane	<0.38	ug/L	0.38	1.5	5			12/8/2021 23:01	RLD	EPA 8260C
2-Butanone	<1.6	ug/L	1.6	10	5			12/8/2021 23:01	RLD	EPA 8260C
2-Chlorotoluene	<0.10	ug/L	0.10	0.50	5			12/8/2021 23:01	RLD	EPA 8260C
2-Hexanone	<0.75	ug/L	0.75	5.0	5			12/8/2021 23:01	RLD	EPA 8260C
4-Chlorotoluene	<0.065	ug/L	0.065	0.50	5			12/8/2021 23:01	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.95	ug/L	0.95	5.0	5			12/8/2021 23:01	RLD	EPA 8260C
Acetone	<4.2	ug/L	4.2	20	5			12/8/2021 23:01	RLD	EPA 8260C
Benzene	<0.11	ug/L	0.11	0.50	5			12/8/2021 23:01	RLD	EPA 8260C
Bromobenzene	<0.090	ug/L	0.090	0.50	5			12/8/2021 23:01	RLD	EPA 8260C
Bromochloromethane	<0.17	ug/L	0.17	1.0	5			12/8/2021 23:01	RLD	EPA 8260C
Bromodichloromethane	<0.095	ug/L	0.095	0.50	5			12/8/2021 23:01	RLD	EPA 8260C
Bromoform	<0.21	ug/L	0.21	1.0	5			12/8/2021 23:01	RLD	EPA 8260C
Bromomethane	<0.26	ug/L	0.26	1.0	5			12/8/2021 23:01	RLD	EPA 8260C
Carbon disulfide	<0.55	ug/L	0.55	2.0	5			12/8/2021 23:01	RLD	EPA 8260C
Carbon tetrachloride	<0.090	ug/L	0.090	0.50	5			12/8/2021 23:01	RLD	EPA 8260C
Chlorobenzene	17	ug/L	0.065	0.50	5	Q,Z		12/8/2021 23:01	RLD	EPA 8260C
Chloroethane	<2.0	ug/L	2.0	7.5	5			12/8/2021 23:01	RLD	EPA 8260C
Chloroform	<0.080	ug/L	0.080	0.50	5			12/8/2021 23:01	RLD	EPA 8260C
Chloromethane	<0.23	ug/L	0.23	1.0	5			12/8/2021 23:01	RLD	EPA 8260C
cis-1,2-Dichloroethene	1500	ug/L	2.3	10	100			12/9/2021 14:25	TMG	EPA 8260C
cis-1,3-Dichloropropene	<0.070	ug/L	0.070	0.50	5			12/8/2021 23:01	RLD	EPA 8260C
Dibromochloromethane	<0.080	ug/L	0.080	0.50	5			12/8/2021 23:01	RLD	EPA 8260C
Dibromomethane	<0.090	ug/L	0.090	0.50	5			12/8/2021 23:01	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#: 1080232 Sample Description: MW-105D License/Well #: 04189/044 Sampled: 12/1/2021 13:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dichlorodifluoromethane	<0.46	ug/L	0.46	1.5	5			12/8/2021 23:01	RLD	EPA 8260C
Diisopropyl ether	<0.08	ug/L	0.08	0.5	5			12/8/2021 23:01	RLD	EPA 8260C
Ethylbenzene	<0.070	ug/L	0.070	0.50	5			12/8/2021 23:01	RLD	EPA 8260C
Hexachlorobutadiene	<0.14	ug/L	0.14	1.0	5			12/8/2021 23:01	RLD	EPA 8260C
Isopropylbenzene	<0.070	ug/L	0.070	0.50	5			12/8/2021 23:01	RLD	EPA 8260C
m & p-Xylene	<0.11	ug/L	0.11	1.0	5			12/8/2021 23:01	RLD	EPA 8260C
Methyl tert-butyl ether	<0.070	ug/L	0.070	0.50	5			12/8/2021 23:01	RLD	EPA 8260C
Methylene chloride	<0.45	ug/L	0.45	2.0	5			12/8/2021 23:01	RLD	EPA 8260C
n-Butylbenzene	<0.11	ug/L	0.11	0.50	5			12/8/2021 23:01	RLD	EPA 8260C
n-Propylbenzene	<0.065	ug/L	0.065	0.50	5			12/8/2021 23:01	RLD	EPA 8260C
Naphthalene	<0.13	ug/L	0.13	0.50	5			12/8/2021 23:01	RLD	EPA 8260C
o-Xylene	<0.080	ug/L	0.080	0.50	5			12/8/2021 23:01	RLD	EPA 8260C
p-Isopropyltoluene	<0.080	ug/L	0.080	0.50	5			12/8/2021 23:01	RLD	EPA 8260C
sec-Butylbenzene	<0.060	ug/L	0.060	0.50	5			12/8/2021 23:01	RLD	EPA 8260C
Styrene	<0.070	ug/L	0.070	0.50	5			12/8/2021 23:01	RLD	EPA 8260C
tert-Butylbenzene	<0.065	ug/L	0.065	0.50	5			12/8/2021 23:01	RLD	EPA 8260C
Tetrachloroethene	<0.14	ug/L	0.14	1.0	5			12/8/2021 23:01	RLD	EPA 8260C
Tetrahydrofuran	<1.9	ug/L	1.9	10	5			12/8/2021 23:01	RLD	EPA 8260C
Toluene	0.57	ug/L	0.070	0.50	5			12/8/2021 23:01	RLD	EPA 8260C
trans-1,2-Dichloroethene	360	ug/L	2.0	10	100			12/9/2021 14:25	TMG	EPA 8260C
trans-1,3-Dichloropropene	<0.10	ug/L	0.10	0.50	5			12/8/2021 23:01	RLD	EPA 8260C
Trichloroethene	73	ug/L	0.11	0.50	5			12/8/2021 23:01	RLD	EPA 8260C
Trichlorofluoromethane	<0.17	ug/L	0.17	1.0	5			12/8/2021 23:01	RLD	EPA 8260C
Vinyl acetate	<0.70	ug/L	0.70	5.0	5			12/8/2021 23:01	RLD	EPA 8260C
Vinyl chloride	27	ug/L	0.095	0.50	5			12/8/2021 23:01	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#: 1080232	Sample Description: MW-105D	License/Well #: 04189/044	Sampled: 12/1/2021 13:30
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,4-Dioxane	<35	ug/L	35	120	5	Z,Q		12/8/2021 23:01	RLD	EPA 8260C

CT LAB Sample#: 1080233	Sample Description: MW-105D	License/Well #: 04189/044	Sampled: 12/1/2021 13:30
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Metals Results

Dissolved Iron	1.90	mg/L	0.027	0.09	1			12/3/2021 08:38	NAH	EPA 6010C
Dissolved Manganese	78.7	ug/L	1.2	5.0	1			12/3/2021 08:38	NAH	EPA 6010C

CT LAB Sample#: 1080234	Sample Description: MW-105B	License/Well #: 04189/045	Sampled: 12/1/2021 14:00
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Field Results

Dissolved Oxygen (Field)	1.24	mg/L			1			12/1/2021 00:00	SUB	FIELD
Depth to Groundwater (Field)	4.53	Feet			1			12/1/2021 00:00	SUB	FIELD
OX/REDOX (Field)	-115.5	MV			1			12/1/2021 00:00	SUB	FIELD
Color (Field)	CLEAR		N/A	N/A	1			12/1/2021 00:00	SUB	FIELD
Conductivity (Field)	744.5	umhos/cm			1			12/1/2021 00:00	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			12/1/2021 00:00	SUB	FIELD
pH (Field)	8.04	S.U.			1			12/1/2021 00:00	SUB	FIELD
Temperature (Field)	10.83	Deg. C			1			12/1/2021 00:00	SUB	FIELD
Turbidity (Field)	157.92	NTU	N/A	N/A	1			12/1/2021 00:00	SUB	FIELD

Inorganic Results

Alkalinity Total	330	mg/L	21	70	1			12/7/2021 11:45	lay	EPA 310.2
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CT LAB Sample#: 1080234 Sample Description: MW-105B License/Well #: 04189/045 Sampled: 12/1/2021 14:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Total Sulfide	<1.0	mg/L	1.0		1			12/2/2021 13:25	ATJ	SM 4500-S2F
Nitrate Nitrogen Total	<0.12	mg/L	0.12	0.4	1			12/2/2021 16:44	TMG	EPA 9056A
Total Chloride	84	mg/L	10	32	10			12/3/2021 10:51	TMG	EPA 9056A
Total Sulfate	4.0	mg/L	0.8	2.5	1			12/2/2021 16:44	TMG	EPA 9056A
Total Organic Carbon	0.78	mg/L	0.4 *	1.3	1			12/8/2021 19:51	KMT	EPA 9060A
Metals Results										
Total Iron	2.40	mg/L	0.033	0.11	1		12/3/2021 09:40	12/8/2021 06:44	NAH	EPA 6010C
Total Manganese	270	ug/L	1.5	5.0	1		12/3/2021 09:40	12/8/2021 06:44	NAH	EPA 6010C
Organic Results										
Ethane	<0.38	ug/L	0.38	1.3	1		12/6/2021 08:14	12/8/2021 14:14	KMT	RSK 175
Ethene	<0.59	ug/L	0.59	2.0	1		12/6/2021 08:14	12/8/2021 14:14	KMT	RSK 175
Methane	1200	ug/L	45	150	100		12/6/2021 08:14	12/8/2021 14:28	KMT	RSK 175
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			12/8/2021 19:41	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			12/8/2021 19:41	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			12/8/2021 19:41	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			12/8/2021 19:41	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/8/2021 19:41	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			12/8/2021 19:41	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			12/8/2021 19:41	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			12/8/2021 19:41	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			12/8/2021 19:41	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			12/8/2021 19:41	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			12/8/2021 19:41	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			12/8/2021 19:41	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#: 1080234

Sample Description: MW-105B

License/Well #: 04189/045

Sampled: 12/1/2021 14:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			12/8/2021 19:41	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			12/8/2021 19:41	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/8/2021 19:41	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			12/8/2021 19:41	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			12/8/2021 19:41	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			12/8/2021 19:41	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			12/8/2021 19:41	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			12/8/2021 19:41	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			12/8/2021 19:41	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			12/8/2021 19:41	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			12/8/2021 19:41	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			12/8/2021 19:41	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			12/8/2021 19:41	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			12/8/2021 19:41	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			12/8/2021 19:41	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			12/8/2021 19:41	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			12/8/2021 19:41	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			12/8/2021 19:41	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			12/8/2021 19:41	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			12/8/2021 19:41	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			12/8/2021 19:41	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			12/8/2021 19:41	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			12/8/2021 19:41	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			12/8/2021 19:41	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			12/8/2021 19:41	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#: 1080234

Sample Description: MW-105B

License/Well #: 04189/045

Sampled: 12/1/2021 14:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Chloroform	<0.016	ug/L	0.016	0.10	1		12/8/2021	19:41	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1		12/8/2021	19:41	RLD	EPA 8260C
cis-1,2-Dichloroethene	0.14	ug/L	0.023	0.10	1		12/8/2021	19:41	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1		12/8/2021	19:41	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1		12/8/2021	19:41	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1		12/8/2021	19:41	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1		12/8/2021	19:41	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1		12/8/2021	19:41	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1		12/8/2021	19:41	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1		12/8/2021	19:41	RLD	EPA 8260C
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1		12/8/2021	19:41	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1		12/8/2021	19:41	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1		12/8/2021	19:41	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1		12/8/2021	19:41	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1		12/8/2021	19:41	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1		12/8/2021	19:41	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1		12/8/2021	19:41	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1		12/8/2021	19:41	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1		12/8/2021	19:41	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1		12/8/2021	19:41	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1		12/8/2021	19:41	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1		12/8/2021	19:41	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1		12/8/2021	19:41	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1		12/8/2021	19:41	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1		12/8/2021	19:41	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#: 1080234	Sample Description: MW-105B	License/Well #: 04189/045	Sampled: 12/1/2021 14:00
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			12/8/2021 19:41	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			12/8/2021 19:41	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			12/8/2021 19:41	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			12/8/2021 19:41	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			12/8/2021 19:41	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			12/8/2021 19:41	RLD	EPA 8260C
1,4-Dioxane	<7.0	ug/L	7.0	23	1	Z,Q		12/8/2021 19:41	RLD	EPA 8260C

CT LAB Sample#: 1080235	Sample Description: MW-105B	License/Well #: 04189/045	Sampled: 12/1/2021 14:00
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Iron	2.60	mg/L	0.027	0.09	1			12/3/2021 09:08	NAH	EPA 6010C
Dissolved Manganese	273	ug/L	1.2	5.0	1			12/3/2021 09:08	NAH	EPA 6010C

CT LAB Sample#: 1080236	Sample Description: MW-105B DUP	License/Well #: 04189/045	Sampled: 12/1/2021 14:15
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Alkalinity Total	320	mg/L	21	70	1			12/7/2021 11:46	lay	EPA 310.2
Total Sulfide	<1.0	mg/L	1.0		1			12/2/2021 13:25	ATJ	SM 4500-S2F
Nitrate Nitrogen Total	0.47	mg/L	0.12	0.4	1			12/2/2021 17:41	TMG	EPA 9056A
Total Chloride	86	mg/L	5.0	16	5			12/3/2021 11:10	TMG	EPA 9056A
Total Sulfate	12	mg/L	0.8	2.5	1			12/2/2021 17:41	TMG	EPA 9056A

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

CT LAB Sample#: 1080236	Sample Description: MW-105B DUP	License/Well #: 04189/045	Sampled: 12/1/2021 14:15
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Total Organic Carbon	1.1	mg/L	0.4 *	1.3	1			12/8/2021 20:02	KMT	EPA 9060A
Metals Results										
Total Iron	2.47	mg/L	0.033	0.11	1		12/3/2021 09:40	12/8/2021 06:52	NAH	EPA 6010C
Total Manganese	278	ug/L	1.5	5.0	1		12/3/2021 09:40	12/8/2021 06:52	NAH	EPA 6010C
Organic Results										
Ethane	<0.38	ug/L	0.38	1.3	1		12/6/2021 08:14	12/8/2021 14:46	KMT	RSK 175
Ethene	<0.59	ug/L	0.59	2.0	1		12/6/2021 08:14	12/8/2021 14:46	KMT	RSK 175
Methane	1100	ug/L	45	150	100		12/6/2021 08:14	12/8/2021 14:53	KMT	RSK 175
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			12/8/2021 20:10	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			12/8/2021 20:10	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			12/8/2021 20:10	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			12/8/2021 20:10	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/8/2021 20:10	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			12/8/2021 20:10	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			12/8/2021 20:10	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			12/8/2021 20:10	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			12/8/2021 20:10	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			12/8/2021 20:10	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			12/8/2021 20:10	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			12/8/2021 20:10	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			12/8/2021 20:10	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			12/8/2021 20:10	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/8/2021 20:10	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			12/8/2021 20:10	RLD	EPA 8260C

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

CT LAB Sample#: 1080236

Sample Description: MW-105B DUP

License/Well #: 04189/045

Sampled: 12/1/2021 14:15

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			12/8/2021 20:10	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			12/8/2021 20:10	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			12/8/2021 20:10	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			12/8/2021 20:10	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			12/8/2021 20:10	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			12/8/2021 20:10	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			12/8/2021 20:10	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			12/8/2021 20:10	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			12/8/2021 20:10	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			12/8/2021 20:10	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			12/8/2021 20:10	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			12/8/2021 20:10	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			12/8/2021 20:10	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			12/8/2021 20:10	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			12/8/2021 20:10	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			12/8/2021 20:10	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			12/8/2021 20:10	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			12/8/2021 20:10	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			12/8/2021 20:10	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			12/8/2021 20:10	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			12/8/2021 20:10	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			12/8/2021 20:10	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			12/8/2021 20:10	RLD	EPA 8260C
cis-1,2-Dichloroethene	0.15	ug/L	0.023	0.10	1			12/8/2021 20:10	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			12/8/2021 20:10	RLD	EPA 8260C

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

CT LAB Sample#: 1080236 Sample Description: MW-105B DUP License/Well #: 04189/045 Sampled: 12/1/2021 14:15

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			12/8/2021 20:10	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			12/8/2021 20:10	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			12/8/2021 20:10	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			12/8/2021 20:10	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			12/8/2021 20:10	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			12/8/2021 20:10	RLD	EPA 8260C
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1			12/8/2021 20:10	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			12/8/2021 20:10	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			12/8/2021 20:10	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			12/8/2021 20:10	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			12/8/2021 20:10	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			12/8/2021 20:10	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			12/8/2021 20:10	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			12/8/2021 20:10	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			12/8/2021 20:10	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			12/8/2021 20:10	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			12/8/2021 20:10	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			12/8/2021 20:10	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			12/8/2021 20:10	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			12/8/2021 20:10	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			12/8/2021 20:10	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			12/8/2021 20:10	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			12/8/2021 20:10	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			12/8/2021 20:10	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			12/8/2021 20:10	RLD	EPA 8260C

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

CT LAB Sample#: 1080236	Sample Description: MW-105B DUP	License/Well #: 04189/045	Sampled: 12/1/2021 14:15
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			12/8/2021 20:10	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			12/8/2021 20:10	RLD	EPA 8260C
1,4-Dioxane	<7.0	ug/L	7.0	23	1	Z,Q		12/8/2021 20:10	RLD	EPA 8260C

CT LAB Sample#: 1080237	Sample Description: MW-105B DUP	License/Well #: 04189/045	Sampled: 12/1/2021 14:15
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Iron	2.61	mg/L	0.027	0.09	1			12/3/2021 09:16	NAH	EPA 6010C
Dissolved Manganese	274	ug/L	1.2	5.0	1			12/3/2021 09:16	NAH	EPA 6010C

CT LAB Sample#: 1080238	Sample Description: MW-12B	License/Well #: 04189/022	Sampled: 12/1/2021 15:30
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Dissolved Oxygen (Field)	2.42	mg/L			1			12/1/2021 00:00	SUB	FIELD
Depth to Groundwater (Field)	4.98	Feet			1			12/1/2021 00:00	SUB	FIELD
OX/REDOX (Field)	-164.50	MV			1			12/1/2021 00:00	SUB	FIELD
Color (Field)	CLEAR		N/A	N/A	1			12/1/2021 00:00	SUB	FIELD
Conductivity (Field)	884.37	umhos/cm			1			12/1/2021 00:00	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			12/1/2021 00:00	SUB	FIELD
pH (Field)	9.22	S.U.			1			12/1/2021 00:00	SUB	FIELD
Temperature (Field)	9.92	Deg. C			1			12/1/2021 00:00	SUB	FIELD
Turbidity (Field)	163.55	NTU	N/A	N/A	1			12/1/2021 00:00	SUB	FIELD

CT LAB Sample#: 1080238

Sample Description: MW-12B

License/Well #: 04189/022

Sampled: 12/1/2021 15:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Alkalinity Total	260	mg/L	21	70	1			12/7/2021 11:47	lay	EPA 310.2
Total Sulfide	<1.0	mg/L	1.0		1			12/2/2021 13:25	ATJ	SM 4500-S2F
Nitrate Nitrogen Total	<0.12	mg/L	0.12	0.4	1			12/2/2021 18:00	TMG	EPA 9056A
Total Chloride	150	mg/L	10	32	10			12/3/2021 11:29	TMG	EPA 9056A
Total Sulfate	29	mg/L	0.8	2.5	1			12/2/2021 18:00	TMG	EPA 9056A
Total Organic Carbon	<0.4	mg/L	0.4	1.3	1			12/8/2021 20:14	KMT	EPA 9060A
Metals Results										
Total Iron	0.158	mg/L	0.033	0.11	1		12/3/2021 09:40	12/8/2021 07:00	NAH	EPA 6010C
Total Manganese	6.1	ug/L	1.5	5.0	1		12/3/2021 09:40	12/8/2021 07:00	NAH	EPA 6010C
Organic Results										
Ethane	<0.38	ug/L	0.38	1.3	1		12/6/2021 08:14	12/8/2021 14:58	KMT	RSK 175
Ethene	<0.59	ug/L	0.59	2.0	1		12/6/2021 08:14	12/8/2021 14:58	KMT	RSK 175
Methane	20	ug/L	0.90	3.0	2		12/6/2021 08:14	12/8/2021 15:13	KMT	RSK 175
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			12/8/2021 20:38	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			12/8/2021 20:38	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			12/8/2021 20:38	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			12/8/2021 20:38	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/8/2021 20:38	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			12/8/2021 20:38	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			12/8/2021 20:38	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			12/8/2021 20:38	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			12/8/2021 20:38	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			12/8/2021 20:38	RLD	EPA 8260C

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

CT LAB Sample#: 1080238

Sample Description: MW-12B

License/Well #: 04189/022

Sampled: 12/1/2021 15:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			12/8/2021 20:38	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			12/8/2021 20:38	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			12/8/2021 20:38	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			12/8/2021 20:38	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/8/2021 20:38	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			12/8/2021 20:38	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			12/8/2021 20:38	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			12/8/2021 20:38	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			12/8/2021 20:38	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			12/8/2021 20:38	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			12/8/2021 20:38	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			12/8/2021 20:38	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			12/8/2021 20:38	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			12/8/2021 20:38	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			12/8/2021 20:38	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			12/8/2021 20:38	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			12/8/2021 20:38	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			12/8/2021 20:38	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			12/8/2021 20:38	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			12/8/2021 20:38	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			12/8/2021 20:38	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			12/8/2021 20:38	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			12/8/2021 20:38	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			12/8/2021 20:38	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			12/8/2021 20:38	RLD	EPA 8260C

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

CT LAB Sample#: 1080238

Sample Description: MW-12B

License/Well #: 04189/022

Sampled: 12/1/2021 15:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Chlorobenzene	<0.013	ug/L	0.013	0.10	1		12/8/2021 20:38	12/8/2021 20:38	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1		12/8/2021 20:38	12/8/2021 20:38	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1		12/8/2021 20:38	12/8/2021 20:38	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1		12/8/2021 20:38	12/8/2021 20:38	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1		12/8/2021 20:38	12/8/2021 20:38	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1		12/8/2021 20:38	12/8/2021 20:38	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1		12/8/2021 20:38	12/8/2021 20:38	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1		12/8/2021 20:38	12/8/2021 20:38	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1		12/8/2021 20:38	12/8/2021 20:38	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1		12/8/2021 20:38	12/8/2021 20:38	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1		12/8/2021 20:38	12/8/2021 20:38	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1		12/8/2021 20:38	12/8/2021 20:38	RLD	EPA 8260C
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1		12/8/2021 20:38	12/8/2021 20:38	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1		12/8/2021 20:38	12/8/2021 20:38	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1		12/8/2021 20:38	12/8/2021 20:38	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1		12/8/2021 20:38	12/8/2021 20:38	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1		12/8/2021 20:38	12/8/2021 20:38	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1		12/8/2021 20:38	12/8/2021 20:38	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1		12/8/2021 20:38	12/8/2021 20:38	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1		12/8/2021 20:38	12/8/2021 20:38	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1		12/8/2021 20:38	12/8/2021 20:38	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1		12/8/2021 20:38	12/8/2021 20:38	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1		12/8/2021 20:38	12/8/2021 20:38	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1		12/8/2021 20:38	12/8/2021 20:38	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1		12/8/2021 20:38	12/8/2021 20:38	RLD	EPA 8260C

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

CT LAB Sample#: 1080238	Sample Description: MW-12B	License/Well #: 04189/022	Sampled: 12/1/2021 15:30
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			12/8/2021 20:38	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			12/8/2021 20:38	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			12/8/2021 20:38	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			12/8/2021 20:38	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			12/8/2021 20:38	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			12/8/2021 20:38	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			12/8/2021 20:38	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			12/8/2021 20:38	RLD	EPA 8260C
1,4-Dioxane	<7.0	ug/L	7.0	23	1	Z,Q		12/8/2021 20:38	RLD	EPA 8260C

CT LAB Sample#: 1080239	Sample Description: MW-12B	License/Well #: 04189/022	Sampled: 12/1/2021 15:30
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Iron	0.109	mg/L	0.027	0.09	1			12/3/2021 09:24	NAH	EPA 6010C
Dissolved Manganese	6.3	ug/L	1.2	5.0	1			12/3/2021 09:24	NAH	EPA 6010C

CT LAB Sample#: 1080240	Sample Description: MW-12D	License/Well #: 04189/021	Sampled: 12/1/2021 16:00
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Dissolved Oxygen (Field)	0.74	mg/L			1			12/1/2021 00:00	SUB	FIELD
Depth to Groundwater (Field)	3.99	Feet			1			12/1/2021 00:00	SUB	FIELD
OX/REDOX (Field)	-65.00	MV			1			12/1/2021 00:00	SUB	FIELD

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

CT LAB Sample#: 1080240 Sample Description: MW-12D License/Well #: 04189/021 Sampled: 12/1/2021 16:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Color (Field)	CLEAR		N/A	N/A	1			12/1/2021 00:00	SUB	FIELD
Conductivity (Field)	1460.2	umhos/cm			1			12/1/2021 00:00	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			12/1/2021 00:00	SUB	FIELD
pH (Field)	7.76	S.U.			1			12/1/2021 00:00	SUB	FIELD
Temperature (Field)	9.45	Deg. C			1			12/1/2021 00:00	SUB	FIELD
Turbidity (Field)	164.09	NTU	N/A	N/A	1			12/1/2021 00:00	SUB	FIELD
Inorganic Results										
Alkalinity Total	410	mg/L	21	70	1			12/7/2021 11:48	lay	EPA 310.2
Total Sulfide	<1.0	mg/L	1.0		1			12/2/2021 13:25	ATJ	SM 4500-S2F
Nitrate Nitrogen Total	0.26	mg/L	0.12 *	0.4	1			12/2/2021 18:20	TMG	EPA 9056A
Total Chloride	290	mg/L	20	64	20			12/3/2021 12:46	TMG	EPA 9056A
Total Sulfate	120	mg/L	4.0	13	5			12/3/2021 12:27	TMG	EPA 9056A
Total Organic Carbon	3.7	mg/L	0.4	1.3	1			12/8/2021 20:29	KMT	EPA 9060A
Metals Results										
Total Iron	1.34	mg/L	0.033	0.11	1		12/3/2021 09:40	12/8/2021 07:08	NAH	EPA 6010C
Total Manganese	37.2	ug/L	1.5	5.0	1		12/3/2021 09:40	12/8/2021 07:08	NAH	EPA 6010C
Organic Results										
Ethane	<0.38	ug/L	0.38	1.3	1		12/6/2021 08:14	12/8/2021 15:32	KMT	RSK 175
Ethene	<0.59	ug/L	0.59	2.0	1		12/6/2021 08:14	12/8/2021 15:32	KMT	RSK 175
Methane	23	ug/L	0.90	3.0	2		12/6/2021 08:14	12/8/2021 15:39	KMT	RSK 175
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			12/8/2021 21:07	RLD	EPA 8260C
1,1,1-Trichloroethane	0.85	ug/L	0.013	0.10	1			12/8/2021 21:07	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			12/8/2021 21:07	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			12/8/2021 21:07	RLD	EPA 8260C

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

CT LAB Sample#: 1080240

Sample Description: MW-12D

License/Well #: 04189/021

Sampled: 12/1/2021 16:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,1-Dichloroethane	10	ug/L	0.017	0.10	1		12/8/2021	21:07	RLD	EPA 8260C
1,1-Dichloroethene	11	ug/L	0.024	0.10	1		12/8/2021	21:07	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1		12/8/2021	21:07	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1		12/8/2021	21:07	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1		12/8/2021	21:07	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1		12/8/2021	21:07	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1		12/8/2021	21:07	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1		12/8/2021	21:07	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1		12/8/2021	21:07	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1		12/8/2021	21:07	RLD	EPA 8260C
1,2-Dichloroethane	0.11	ug/L	0.017	0.10	1		12/8/2021	21:07	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1		12/8/2021	21:07	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1		12/8/2021	21:07	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1		12/8/2021	21:07	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1		12/8/2021	21:07	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1		12/8/2021	21:07	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1		12/8/2021	21:07	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1		12/8/2021	21:07	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1		12/8/2021	21:07	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1		12/8/2021	21:07	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1		12/8/2021	21:07	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1		12/8/2021	21:07	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1		12/8/2021	21:07	RLD	EPA 8260C
Benzene	0.050	ug/L	0.022 *	0.10	1		12/8/2021	21:07	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1		12/8/2021	21:07	RLD	EPA 8260C

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

CT LAB Sample#: 1080240

Sample Description: MW-12D

License/Well #: 04189/021

Sampled: 12/1/2021 16:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			12/8/2021 21:07	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			12/8/2021 21:07	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			12/8/2021 21:07	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			12/8/2021 21:07	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			12/8/2021 21:07	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			12/8/2021 21:07	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			12/8/2021 21:07	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			12/8/2021 21:07	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			12/8/2021 21:07	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			12/8/2021 21:07	RLD	EPA 8260C
cis-1,2-Dichloroethene	62	ug/L	0.12	0.50	5			12/9/2021 13:29	TMG	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			12/8/2021 21:07	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			12/8/2021 21:07	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			12/8/2021 21:07	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			12/8/2021 21:07	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			12/8/2021 21:07	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			12/8/2021 21:07	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			12/8/2021 21:07	RLD	EPA 8260C
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1			12/8/2021 21:07	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			12/8/2021 21:07	RLD	EPA 8260C
Methyl tert-butyl ether	0.41	ug/L	0.014	0.10	1			12/8/2021 21:07	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			12/8/2021 21:07	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			12/8/2021 21:07	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			12/8/2021 21:07	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			12/8/2021 21:07	RLD	EPA 8260C

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

CT LAB Sample#: 1080240	Sample Description: MW-12D	License/Well #: 04189/021	Sampled: 12/1/2021 16:00
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
o-Xylene	<0.016	ug/L	0.016	0.10	1			12/8/2021 21:07	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			12/8/2021 21:07	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			12/8/2021 21:07	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			12/8/2021 21:07	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			12/8/2021 21:07	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			12/8/2021 21:07	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			12/8/2021 21:07	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			12/8/2021 21:07	RLD	EPA 8260C
trans-1,2-Dichloroethene	6.7	ug/L	0.020	0.10	1			12/8/2021 21:07	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			12/8/2021 21:07	RLD	EPA 8260C
Trichloroethene	0.64	ug/L	0.022	0.10	1			12/8/2021 21:07	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			12/8/2021 21:07	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			12/8/2021 21:07	RLD	EPA 8260C
Vinyl chloride	8.9	ug/L	0.019	0.10	1			12/8/2021 21:07	RLD	EPA 8260C
1,4-Dioxane	31	ug/L	7.0	23	1	Z,Q		12/8/2021 21:07	RLD	EPA 8260C

CT LAB Sample#: 1080241	Sample Description: MW-12D	License/Well #: 04189/021	Sampled: 12/1/2021 16:00
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Iron	1.42	mg/L	0.027	0.09	1			12/3/2021 09:31	NAH	EPA 6010C
Dissolved Manganese	37.9	ug/L	1.2	5.0	1			12/3/2021 09:31	NAH	EPA 6010C

CT LAB Sample#: 1080242 Sample Description: MW-12S License/Well #: 04189/020 Sampled: 12/1/2021 16:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Dissolved Oxygen (Field)	1.65	mg/L			1			12/1/2021 00:00	SUB	FIELD
Depth to Groundwater (Field)	5.01	Feet			1			12/1/2021 00:00	SUB	FIELD
OX/REDOX (Field)	-56.3	MV			1			12/1/2021 00:00	SUB	FIELD
Color (Field)	CLEAR		N/A	N/A	1			12/1/2021 00:00	SUB	FIELD
Conductivity (Field)	974.09	umhos/cm			1			12/1/2021 00:00	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			12/1/2021 00:00	SUB	FIELD
pH (Field)	7.85	S.U.			1			12/1/2021 00:00	SUB	FIELD
Temperature (Field)	9.50	Deg. C			1			12/1/2021 00:00	SUB	FIELD
Turbidity (Field)	162.68	NTU	N/A	N/A	1			12/1/2021 00:00	SUB	FIELD
Inorganic Results										
Alkalinity Total	310	mg/L	21	70	1			12/7/2021 11:50	lay	EPA 310.2
Total Sulfide	<1.0	mg/L	1.0		1			12/2/2021 13:25	ATJ	SM 4500-S2F
Nitrate Nitrogen Total	<0.12	mg/L	0.12	0.4	1			12/2/2021 18:39	TMG	EPA 9056A
Total Chloride	190	mg/L	10	32	10			12/3/2021 13:06	TMG	EPA 9056A
Total Sulfate	21	mg/L	0.8	2.5	1			12/2/2021 18:39	TMG	EPA 9056A
Total Organic Carbon	1.4	mg/L	0.4	1.3	1			12/8/2021 20:40	KMT	EPA 9060A
Metals Results										
Total Iron	0.374	mg/L	0.033	0.11	1		12/3/2021 09:40	12/8/2021 07:15	NAH	EPA 6010C
Total Manganese	130	ug/L	1.5	5.0	1		12/3/2021 09:40	12/8/2021 07:15	NAH	EPA 6010C
Organic Results										
Ethane	<0.38	ug/L	0.38	1.3	1		12/6/2021 08:14	12/8/2021 15:43	KMT	RSK 175
Ethene	<0.59	ug/L	0.59	2.0	1		12/6/2021 08:14	12/8/2021 15:43	KMT	RSK 175
Methane	21	ug/L	0.90	3.0	2		12/6/2021 08:14	12/8/2021 15:46	KMT	RSK 175

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

CT LAB Sample#: 1080242

Sample Description: MW-12S

License/Well #: 04189/020

Sampled: 12/1/2021 16:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			12/9/2021 12:30	RLD	EPA 8260C
1,1,1-Trichloroethane	9.6	ug/L	0.013	0.10	1			12/9/2021 12:30	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			12/9/2021 12:30	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			12/9/2021 12:30	RLD	EPA 8260C
1,1-Dichloroethane	1.1	ug/L	0.017	0.10	1			12/9/2021 12:30	RLD	EPA 8260C
1,1-Dichloroethene	0.17	ug/L	0.024	0.10	1			12/9/2021 12:30	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			12/9/2021 12:30	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			12/9/2021 12:30	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			12/9/2021 12:30	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			12/9/2021 12:30	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			12/9/2021 12:30	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			12/9/2021 12:30	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			12/9/2021 12:30	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			12/9/2021 12:30	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/9/2021 12:30	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			12/9/2021 12:30	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			12/9/2021 12:30	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			12/9/2021 12:30	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			12/9/2021 12:30	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			12/9/2021 12:30	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			12/9/2021 12:30	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			12/9/2021 12:30	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			12/9/2021 12:30	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			12/9/2021 12:30	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			12/9/2021 12:30	RLD	EPA 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#: 1080242

Sample Description: MW-12S

License/Well #: 04189/020

Sampled: 12/1/2021 16:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			12/9/2021 12:30	RLD	EPA 8260C
Acetone	0.96	ug/L	0.84 *	4.0	1			12/9/2021 12:30	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			12/9/2021 12:30	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			12/9/2021 12:30	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			12/9/2021 12:30	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			12/9/2021 12:30	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			12/9/2021 12:30	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			12/9/2021 12:30	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			12/9/2021 12:30	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			12/9/2021 12:30	RLD	EPA 8260C
Chlorobenzene	0.062	ug/L	0.013 *	0.10	1	Q,Z		12/9/2021 12:30	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			12/9/2021 12:30	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			12/9/2021 12:30	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			12/9/2021 12:30	RLD	EPA 8260C
cis-1,2-Dichloroethene	19	ug/L	0.12	0.50	5			12/8/2021 23:30	TMG	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			12/9/2021 12:30	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			12/9/2021 12:30	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			12/9/2021 12:30	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			12/9/2021 12:30	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			12/9/2021 12:30	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			12/9/2021 12:30	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			12/9/2021 12:30	RLD	EPA 8260C
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1			12/9/2021 12:30	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			12/9/2021 12:30	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			12/9/2021 12:30	RLD	EPA 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#: 1080242	Sample Description: MW-12S	License/Well #: 04189/020	Sampled: 12/1/2021 16:30
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Methylene chloride	<0.090	ug/L	0.090	0.40	1			12/9/2021 12:30	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			12/9/2021 12:30	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			12/9/2021 12:30	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			12/9/2021 12:30	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			12/9/2021 12:30	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			12/9/2021 12:30	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			12/9/2021 12:30	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			12/9/2021 12:30	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			12/9/2021 12:30	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			12/9/2021 12:30	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			12/9/2021 12:30	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			12/9/2021 12:30	RLD	EPA 8260C
trans-1,2-Dichloroethene	1.8	ug/L	0.020	0.10	1			12/9/2021 12:30	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			12/9/2021 12:30	RLD	EPA 8260C
Trichloroethene	2.6	ug/L	0.022	0.10	1			12/9/2021 12:30	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			12/9/2021 12:30	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			12/9/2021 12:30	RLD	EPA 8260C
Vinyl chloride	5.4	ug/L	0.019	0.10	1			12/9/2021 12:30	RLD	EPA 8260C
1,4-Dioxane	<7.0	ug/L	7.0	23	1	Z,Q		12/9/2021 12:30	RLD	EPA 8260C

CT LAB Sample#: 1080243	Sample Description: MW-12S	License/Well #: 04189/020	Sampled: 12/1/2021 16:30
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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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#: 1080243	Sample Description: MW-12S	License/Well #: 04189/020	Sampled: 12/1/2021 16:30
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dissolved Iron	0.171	mg/L	0.027	0.09	1			12/3/2021 09:39	NAH	EPA 6010C
Dissolved Manganese	138	ug/L	1.2	5.0	1			12/3/2021 09:39	NAH	EPA 6010C

CT LAB Sample#: 1080244	Sample Description: TB-120121	License/Well #: 04189/999	Sampled: 12/1/2021
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			12/8/2021 16:51	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			12/8/2021 16:51	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			12/8/2021 16:51	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			12/8/2021 16:51	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/8/2021 16:51	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			12/8/2021 16:51	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			12/8/2021 16:51	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			12/8/2021 16:51	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			12/8/2021 16:51	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			12/8/2021 16:51	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			12/8/2021 16:51	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			12/8/2021 16:51	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			12/8/2021 16:51	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			12/8/2021 16:51	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/8/2021 16:51	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			12/8/2021 16:51	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			12/8/2021 16:51	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			12/8/2021 16:51	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#: 1080244

Sample Description: TB-120121

License/Well #: 04189/999

Sampled: 12/1/2021

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			12/8/2021 16:51	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			12/8/2021 16:51	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			12/8/2021 16:51	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			12/8/2021 16:51	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			12/8/2021 16:51	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			12/8/2021 16:51	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			12/8/2021 16:51	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			12/8/2021 16:51	RLD	EPA 8260C
Acetone	1.3	ug/L	0.84 *	4.0	1			12/8/2021 16:51	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			12/8/2021 16:51	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			12/8/2021 16:51	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			12/8/2021 16:51	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			12/8/2021 16:51	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			12/8/2021 16:51	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			12/8/2021 16:51	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			12/8/2021 16:51	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			12/8/2021 16:51	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			12/8/2021 16:51	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			12/8/2021 16:51	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			12/8/2021 16:51	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			12/8/2021 16:51	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1			12/8/2021 16:51	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			12/8/2021 16:51	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			12/8/2021 16:51	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			12/8/2021 16:51	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#: 1080244

Sample Description: TB-120121

License/Well #: 04189/999

Sampled: 12/1/2021

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1		12/8/2021	16:51	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1		12/8/2021	16:51	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1		12/8/2021	16:51	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1		12/8/2021	16:51	RLD	EPA 8260C
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1		12/8/2021	16:51	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1		12/8/2021	16:51	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1		12/8/2021	16:51	RLD	EPA 8260C
Methylene chloride	0.67	ug/L	0.090	0.40	1		12/8/2021	16:51	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1		12/8/2021	16:51	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1		12/8/2021	16:51	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1		12/8/2021	16:51	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1		12/8/2021	16:51	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1		12/8/2021	16:51	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1		12/8/2021	16:51	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1		12/8/2021	16:51	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1		12/8/2021	16:51	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1		12/8/2021	16:51	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1		12/8/2021	16:51	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1		12/8/2021	16:51	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1		12/8/2021	16:51	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1		12/8/2021	16:51	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1		12/8/2021	16:51	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1		12/8/2021	16:51	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1		12/8/2021	16:51	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1		12/8/2021	16:51	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#: 1080244	Sample Description: TB-120121	License/Well #: 04189/999	Sampled: 12/1/2021
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,4-Dioxane	<7.0	ug/L	7.0	23	1	Z,Q		12/8/2021 16:51	RLD	EPA 8260C

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

Notes regarding entire Chain of Custody:

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

QC Qualifiers

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

Current CT Laboratories Certifications

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

Preventative Action Limit (PAL) Exceedances

12/22/2021

Location/Landfill: OEC SUPERFUND WI

License #: 04189

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Well Description:	MW-103D	Well #:	040	Sample Date	12/01/2021		
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units	
Total Chloride	00940	240	125	250	10	mg/L	
Dissolved Manganese	01056	302	60	300	1.2	ug/L	
Total Iron	74010	0.184	0.15	0.3	0.033	mg/L	
Total Manganese	01055	316	60	300	1.5	ug/L	
1,1-Dichloroethene	34501	1.0	0.7	7	0.24	ug/L	
cis-1,2-Dichloroethene	77093	95	7.00	70.00	0.23	ug/L	
Methylene chloride	34423	7.0	0.5	5	0.90	ug/L	
Trichloroethene	39180	120	0.5	5	0.22	ug/L	
Vinyl chloride	39175	0.27	0.02	0.20	0.19	ug/L	

Well Description:	MW-103S	Well #:	039	Sample Date	12/01/2021		
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units	
Dissolved Manganese	01056	233	60	300	1.2	ug/L	
Total Manganese	01055	387	60	300	1.5	ug/L	
1,1-Dichloroethene	34501	0.83	0.7	7	0.024	ug/L	
1,4-Dioxane	82388	12	0.3	3	7.0	ug/L	
cis-1,2-Dichloroethene	77093	11	7.00	70.00	0.023	ug/L	
Tetrachloroethene	34475	9.4	0.5	5	0.028	ug/L	
Trichloroethene	39180	32	0.5	5	0.11	ug/L	
Vinyl chloride	39175	0.16	0.02	0.20	0.019	ug/L	

Well Description:	MW-105B	Well #:	045	Sample Date	12/01/2021		
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units	
Dissolved Iron	01046	2.60	0.15	0.30	0.027	mg/L	
Dissolved Manganese	01056	273	60	300	1.2	ug/L	
Total Iron	74010	2.40	0.15	0.3	0.033	mg/L	
Total Manganese	01055	270	60	300	1.5	ug/L	

Well Description:	MW-105B DUP	Well #:	045	Sample Date	12/01/2021		
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units	
Dissolved Iron	01046	2.61	0.15	0.30	0.027	mg/L	
Dissolved Manganese	01056	274	60	300	1.2	ug/L	
Total Iron	74010	2.47	0.15	0.3	0.033	mg/L	
Total Manganese	01055	278	60	300	1.5	ug/L	

Well Description:	MW-105D	Well #:	044	Sample Date	12/01/2021		
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units	
Total Chloride	00940	190	125	250	10	mg/L	
Dissolved Iron	01046	1.90	0.15	0.30	0.027	mg/L	
Dissolved Manganese	01056	78.7	60	300	1.2	ug/L	
Total Iron	74010	3.04	0.15	0.3	0.033	mg/L	
Total Manganese	01055	80.6	60	300	1.5	ug/L	
1,1-Dichloroethane	34496	90	85	850	1.7	ug/L	
1,1-Dichloroethene	34501	10	0.7	7	0.12	ug/L	

Preventative Action Limit (PAL) Exceedances

12/22/2021

Location/Landfill: OEC SUPERFUND WI

License #: 04189

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Well Description:	MW-105D	Well #:	044	Sample Date	12/01/2021		
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units	
1,2-Dichloroethane	32103	0.69	0.5	5	0.085	ug/L	
cis-1,2-Dichloroethene	77093	1500	7.00	70.00	2.3	ug/L	
trans-1,2-Dichloroethene	34546	360	20.00	100.00	2.0	ug/L	
Trichloroethene	39180	73	0.5	5	0.11	ug/L	
Vinyl chloride	39175	27	0.02	0.20	0.095	ug/L	

Well Description:	MW-12B	Well #:	022	Sample Date	12/01/2021		
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units	
Total Chloride	00940	150	125	250	10	mg/L	
Total Iron	74010	0.158	0.15	0.3	0.033	mg/L	

Well Description:	MW-12D	Well #:	021	Sample Date	12/01/2021		
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units	
Total Chloride	00940	290	125	250	20	mg/L	
Dissolved Iron	01046	1.42	0.15	0.30	0.027	mg/L	
Total Iron	74010	1.34	0.15	0.3	0.033	mg/L	
1,1-Dichloroethene	34501	11	0.7	7	0.024	ug/L	
1,4-Dioxane	82388	31	0.3	3	7.0	ug/L	
cis-1,2-Dichloroethene	77093	62	7.00	70.00	0.12	ug/L	
Trichloroethene	39180	0.64	0.5	5	0.022	ug/L	
Vinyl chloride	39175	8.9	0.02	0.20	0.019	ug/L	

Well Description:	MW-12S	Well #:	020	Sample Date	12/01/2021		
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units	
Total Chloride	00940	190	125	250	10	mg/L	
Dissolved Iron	01046	0.171	0.15	0.30	0.027	mg/L	
Dissolved Manganese	01056	138	60	300	1.2	ug/L	
Total Iron	74010	0.374	0.15	0.3	0.033	mg/L	
Total Manganese	01055	130	60	300	1.5	ug/L	
cis-1,2-Dichloroethene	77093	19	7.00	70.00	0.12	ug/L	
Trichloroethene	39180	2.6	0.5	5	0.022	ug/L	
Vinyl chloride	39175	5.4	0.02	0.20	0.019	ug/L	

Well Description:	MW-1D	Well #:	002	Sample Date	12/01/2021		
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units	
Dissolved Iron	01046	2.63	0.15	0.30	0.027	mg/L	
Total Iron	74010	2.34	0.15	0.3	0.033	mg/L	
Vinyl chloride	39175	0.098	0.02	0.20	0.019	ug/L	

Well Description:	MW-1S	Well #:	001	Sample Date	12/01/2021		
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units	
Total Chloride	00940	220	125	250	10	mg/L	
Dissolved Iron	01046	0.969	0.15	0.30	0.027	mg/L	
Dissolved Manganese	01056	356	60	300	1.2	ug/L	

Preventative Action Limit (PAL) Exceedances

12/22/2021

Location/Landfill: **OEC SUPERFUND WI**

License #: **04189**

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Well Description:	<i>MW-1S</i>	Well #:	<i>001</i>	Sample Date	<i>12/01/2021</i>		
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units	
Total Iron	74010	1.76	0.15	0.3	0.033	mg/L	
Total Manganese	01055	349	60	300	1.5	ug/L	

Well Description:	<i>MW-2D</i>	Well #:	<i>004</i>	Sample Date	<i>12/01/2021</i>		
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units	
Total Chloride	00940	180	125	250	10	mg/L	
Dissolved Iron	01046	1.03	0.15	0.30	0.027	mg/L	
Total Iron	74010	0.524	0.15	0.3	0.033	mg/L	

Well Description:	<i>MW-5D</i>	Well #:	<i>010</i>	Sample Date	<i>12/01/2021</i>		
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units	
Total Chloride	00940	180	125	250	5.0	mg/L	
Dissolved Iron	01046	1.75	0.15	0.30	0.027	mg/L	
Dissolved Manganese	01056	85.9	60	300	1.2	ug/L	
Total Iron	74010	1.89	0.15	0.3	0.033	mg/L	
Total Manganese	01055	99.3	60	300	1.5	ug/L	
1,2-Dichloroethane	32103	0.57	0.5	5	0.017	ug/L	
cis-1,2-Dichloroethene	77093	13	7.00	70.00	0.023	ug/L	
Trichloroethene	39180	1.3	0.5	5	0.022	ug/L	
Vinyl chloride	39175	0.80	0.02	0.20	0.019	ug/L	

Well Description:	<i>MW-9S</i>	Well #:	<i>014</i>	Sample Date	<i>12/01/2021</i>		
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units	
Total Chloride	00940	350	125	250	20	mg/L	
Dissolved Iron	01046	0.61	0.15	0.30	0.027	mg/L	
Dissolved Manganese	01056	100	60	300	1.2	ug/L	
Total Iron	74010	1.98	0.15	0.3	0.033	mg/L	
Total Manganese	01055	104	60	300	1.5	ug/L	

Selected Indicators - Summary

Location/Landfill:		OCONOMOWOC ELECTROPLATING			License #:	04189	12/22/2021
Sample Date		Sample ID					
12/01/2021	Color (Field)	MW-103D CLEAR	MW-103S CLEAR	MW-105B CLEAR	MW-105B DUP	MW-105D CLEAR	MW-12B CLEAR
	Conductivity (Field)	1176.8	1017.3	744.5		1123.2	884.37
	Depth to Groundwater	7.33	7.59	4.53		4.51	4.98
	Nitrate Nitrogen T/D	<0.12	<0.12	<0.12	0.47	0.23	<0.12
	Odor (Field)	NONE	NONE	NONE		NONE	NONE
	OX/REDOX (Field)	22.3	48.2	-115.5		-27.6	-164.50
	pH (Field)	7.75	7.57	8.04		7.8	9.22
	T/D Alkalinity	320	540	330	320	360	260
	T/D Chloride	240	68	84	86	190	150
	T/D Iron	0.0591	0.0303	2.40	2.47	1.90	0.109
	T/D Manganese	302	233	270	274	78.7	6.1
	T/D Organic Carbon	4.0	6.2	0.78	1.1	1.9	<0.4
	T/D Oxygen (Field)	0.86	1.41	1.24		1.09	2.42
	T/D Sulfate	63	60	4.0	12	60	29
	T/D Sulfide	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	Temperature (Field)	11.78	11.82	10.83		11.16	9.92
	Turbidity (Field)	196.22	169.81	157.92		152.72	163.55

12/01/2021	Color (Field)	MW-12D CLEAR	MW-12S CLEAR	MW-1D CLEAR	MW-1S CLEAR	MW-2D CLEAR	MW-5D CLEAR
	Conductivity (Field)	1460.2	974.09	530.81	1206.4	1046.8	1036.6
	Depth to Groundwater	3.99	5.01	7.62	7.79	6.74	4.16
	Nitrate Nitrogen T/D	0.26	<0.12	0.16	<0.12	0.12	0.14
	Odor (Field)	NONE	NONE	NONE	NONE	NONE	NONE
	OX/REDOX (Field)	-65.00	-56.3	-80.4	76.90	1.2	-57.7
	pH (Field)	7.76	7.85	7.88	7.52	7.69	7.59
	T/D Alkalinity	410	310	320	350	330	340
	T/D Chloride	290	190	5.2	220	180	180
	T/D Iron	1.34	0.171	2.34	0.969	0.524	1.75
	T/D Manganese	37.2	130	18.5	349	19.1	85.9
	T/D Organic Carbon	3.7	1.4	<0.4	1.9	0.65	1.1
	T/D Oxygen (Field)	0.74	1.65	0.57	1.47	1.12	1.53
	T/D Sulfate	120	21	1.0	44	47	48
	T/D Sulfide	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	Temperature (Field)	9.45	9.50	11.4	11.19	10.81	10.59
	Turbidity (Field)	164.09	162.68	202.78	182.04	239.87	217.14

12/01/2021	Color (Field)	MW-9S CLEAR	OW-6 CLEAR
	Conductivity (Field)	1456.50	869.12
	Depth to Groundwater	6.34	6.13
	Nitrate Nitrogen T/D	<0.12	0.12
	Odor (Field)	NONE	NONE
	OX/REDOX (Field)	-27.9	-66.1
	pH (Field)	7.54	10.17
	T/D Alkalinity	340	260
	T/D Chloride	350	120
	T/D Iron	0.61	<0.027
	T/D Manganese	100	1.2
	T/D Organic Carbon	1.3	<0.4
	T/D Oxygen (Field)	1.41	1.75
	T/D Sulfate	38	20
	T/D Sulfide	<1.0	<1.0
	Temperature (Field)	11.20	11.26
	Turbidity (Field)	200.86	224.01

QC Summary Report

HYDE ENVIRONMENTAL, INC.

Project Name: OEC SUPERFUND WI

SDG #: 0

Folder #: 166179

Project #:

Duplicate

Analytical Run #:	197914	Analysis Date:	12/2/2021	Prep Batch #:	Matrix:	GROUND WATER
CTLab #:	1080619	Analysis Time:	13:25	Prep Date/Time:	Method:	SW9034
Parent Sample #:	1080204	Analyst:	DC	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Dissolved Sulfide	1.0	mg/L	0	U				0	20
Total Sulfide	1.0	mg/L	0	U				0	20

Duplicate

Analytical Run #:	197914	Analysis Date:	12/2/2021	Prep Batch #:	Matrix:	GROUND WATER
CTLab #:	1080620	Analysis Time:	13:25	Prep Date/Time:	Method:	SW9034
Parent Sample #:	1080242	Analyst:	DC	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Dissolved Sulfide	1.0	mg/L	0	U				0	20
Total Sulfide	1.0	mg/L	0	U				0	20

Lab Control Spike Water

Analytical Run #:	197914	Analysis Date:	12/2/2021	Prep Batch #:	Matrix:	LIQUID
CTLab #:	1080617	Analysis Time:	13:25	Prep Date/Time:	Method:	SW9034
Parent Sample #:		Analyst:	DC	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Sulfide	4.90	mg/L			5.0	98	90 --- 110		

Method Blank Water

Analytical Run #:	197914	Analysis Date:	12/2/2021	Prep Batch #:	Matrix:	LIQUID
CTLab #:	1080618	Analysis Time:	13:25	Prep Date/Time:	Method:	SW9034
Parent Sample #:		Analyst:	DC	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Sulfide	1	mg/L		U	0			1	

SDG #: 0

Folder #: 166179

Project #:

Duplicate

Analytical Run #:	197917	Analysis Date:	12/8/2021	Prep Batch #:	Matrix:	GROUND WATER
CTLab #:	1082505	Analysis Time:	16:57	Prep Date/Time:	Method:	SW9060
Parent Sample #:	1080204	Analyst:	KMT	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Total Organic Carbon	1.80	mg/L	1.9					5	20

Lab Control Spike Water

Analytical Run #:	197917	Analysis Date:	12/8/2021	Prep Batch #:	Matrix:	LIQUID
CTLab #:	1082503	Analysis Time:	16:14	Prep Date/Time:	Method:	SW9060
Parent Sample #:		Analyst:	KMT	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Total Organic Carbon	50.22	mg/L			50.0	100	83 --- 114		

Method Blank Water

Analytical Run #:	197917	Analysis Date:	12/8/2021	Prep Batch #:	Matrix:	LIQUID
CTLab #:	1082504	Analysis Time:	16:28	Prep Date/Time:	Method:	SW9060
Parent Sample #:		Analyst:	KMT	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Total Organic Carbon	0.4	mg/L		U	0		0.4		

Matrix Spike Duplicate Water

Analytical Run #:	197917	Analysis Date:	12/8/2021	Prep Batch #:	Matrix:	GROUND WATER
CTLab #:	1082507	Analysis Time:	17:20	Prep Date/Time:	Method:	SW9060
Parent Sample #:	1082506	Analyst:	KMT	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Total Organic Carbon	52.9	mg/L	1.9		50.0	102	78 --- 118	1	6

Matrix Spike Water

Analytical Run #:	197917	Analysis Date:	12/8/2021	Prep Batch #:	Matrix:	GROUND WATER
CTLab #:	1082506	Analysis Time:	17:08	Prep Date/Time:	Method:	SW9060
Parent Sample #:	1080204	Analyst:	KMT	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Total Organic Carbon	52.4	mg/L	1.9		50.0	101	78 --- 118		6

Duplicate

Analytical Run #:	197921	Analysis Date:	12/2/2021	Prep Batch #:	Matrix:	GROUND WATER
CTLab #:	1081656	Analysis Time:	18:58	Prep Date/Time:	Method:	SW9056A
Parent Sample #:	1080242	Analyst:	TMG	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Nitrate Nitrogen Total	0.12	mg/L	0	U				0	18
Total Chloride	178	mg/L	190					7	10
Total Sulfate	21.2	mg/L	21					1	10

Lab Control Spike Water

Analytical Run #:	197921	Analysis Date:	12/2/2021	Prep Batch #:	Matrix:	LIQUID
CTLab #:	1081644	Analysis Time:	13:12	Prep Date/Time:	Method:	SW9056A
Parent Sample #:		Analyst:	TMG	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Chloride	13.78	mg/L			15.00	92	80 --- 120		
Nitrate Nitrogen	3.530	mg/L			3.50	101	80 --- 120		
Sulfate	25.74	mg/L			25.00	103	80 --- 120		

Method Blank Water

Analytical Run #:	197921	Analysis Date:	12/2/2021	Prep Batch #:	Matrix:	LIQUID
CTLab #:	1081645	Analysis Time:	13:31	Prep Date/Time:	Method:	SW9056A
Parent Sample #:		Analyst:	TMG	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Chloride	1.0	mg/L		U	0		1.0		
Nitrate Nitrogen	0.12	mg/L		U	0		0.12		
Sulfate	0.8	mg/L		U	0		0.8		

Matrix Spike Water

Analytical Run #:	197921	Analysis Date:	12/2/2021	Prep Batch #:	Matrix:	GROUND WATER
CTLab #:	1081657	Analysis Time:	19:17	Prep Date/Time:	Method:	SW9056A
Parent Sample #:	1080242	Analyst:	TMG	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Nitrate Nitrogen Total	2.10	mg/L	BDL		2.0	105	58 --- 143		20
Total Chloride	253	mg/L	190		80.0	79	47 --- 120		20
Total Sulfate	28.9	mg/L	21		8.0	99	49 --- 120		20

Duplicate

Analytical Run #:	198019	Analysis Date:	12/7/2021	Prep Batch #:	Matrix:	GROUND WATER
CTLab #:	1083402	Analysis Time:	11:37	Prep Date/Time:	Method:	E310.2
Parent Sample #:	1080224	Analyst:	lay	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Alkalinity Dissolved	330	mg/L	330					0	20
Alkalinity Total	330	mg/L	330					0	20

Duplicate

Analytical Run #:	198019	Analysis Date:	12/7/2021	Prep Batch #:	Matrix:	GROUND WATER
CTLab #:	1083403	Analysis Time:	11:39	Prep Date/Time:	Method:	E310.2
Parent Sample #:	1080226	Analyst:	lay	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Alkalinity Dissolved	255	mg/L	260					2	20
Alkalinity Total	255	mg/L	260					2	20

Lab Control Spike Water

Analytical Run #:	198019	Analysis Date:	12/7/2021	Prep Batch #:	Matrix:	LIQUID
CTLab #:	1081786	Analysis Time:	11:29	Prep Date/Time:	Method:	E310.2
Parent Sample #:		Analyst:	lay	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Alkalinity	360.0	mg/L			375.0	96	90 --- 110		

Method Blank Water

Analytical Run #:	198019	Analysis Date:	12/7/2021	Prep Batch #:	Matrix:	LIQUID
CTLab #:	1081787	Analysis Time:	11:30	Prep Date/Time:	Method:	E310.2
Parent Sample #:		Analyst:	lay	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Alkalinity	21	mg/L		U	0			21	

Matrix Spike Duplicate Water

Analytical Run #:	197925	Analysis Date:	12/3/2021	Prep Batch #:	Matrix:	GROUND WATER
CTLab #:	1081500	Analysis Time:	07:36	Prep Date/Time:	Method:	SW6010
Parent Sample #:	1081499	Analyst:	NAH	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Iron	2.81	mg/L	0.969		2.0	92	75 --- 113	3	18
Manganese	1310	ug/L	356		1000	95	75 --- 121	3	13

Matrix Spike Water

Analytical Run #:	197925	Analysis Date:	12/3/2021	Prep Batch #:	Matrix:	GROUND WATER
CTLab #:	1081499	Analysis Time:	07:28	Prep Date/Time:	Method:	SW6010
Parent Sample #:	1080205	Analyst:	NAH	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Iron	2.74	mg/L	0.969		2.0	89	75 --- 113		18
Manganese	1270	ug/L	356		1000	91	75 --- 121		13

Lab Control Spike Water

Analytical Run #:	197970	Analysis Date:	12/8/2021	Prep Batch #:	83577	Matrix:	LIQUID
CTLab #:	1080603	Analysis Time:	04:13	Prep Date/Time:	12/03/2021 09:40	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
Iron	0.392	mg/L			0.4	98	80 --- 115		
Manganese	216.0	ug/L			200.0	108	86 --- 112		

Method Blank Water

Analytical Run #:	197970	Analysis Date:	12/8/2021	Prep Batch #:	83577	Matrix:	LIQUID
CTLab #:	1080602	Analysis Time:	04:42	Prep Date/Time:	12/03/2021 09:40	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
Iron	0.011	mg/L		U	0		0.011		
Manganese	1.4	ug/L		U	0		1.4		

Matrix Spike Duplicate Water

Analytical Run #:	197970	Analysis Date:	12/8/2021	Prep Batch #:	83577	Matrix:	GROUND WATER
CTLab #:	1080605	Analysis Time:	05:05	Prep Date/Time:	12/03/2021 09:40	Method:	SW6010
Parent Sample #:	1080604	Analyst:	NAH	Prep Analyst:	NAH		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Iron	2.01	mg/L	1.76		0.4	62	75 --- 118	6	11
Manganese	529	ug/L	349		200	90	84 --- 111	6	7

Matrix Spike Water

Analytical Run #:	197970	Analysis Date:	12/8/2021	Prep Batch #:	83577	Matrix:	GROUND WATER
CTLab #:	1080604	Analysis Time:	04:57	Prep Date/Time:	12/03/2021 09:40	Method:	SW6010
Parent Sample #:	1080204	Analyst:	NAH	Prep Analyst:	NAH		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Iron	1.90	mg/L	1.76		0.4	35	75 --- 118		11
Manganese	499	ug/L	349		200	75	84 --- 111		7

SDG #: 0

Folder #: 166179

Project #:

Lab Control Spike Water

Analytical Run #:	197929	Analysis Date:	12/8/2021	Prep Batch #:	Matrix:	LIQUID
CTLab #:	1084545	Analysis Time:	14:29	Prep Date/Time:	Method:	SW8260C
Parent Sample #:		Analyst:	RLD	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	3.81	ug/L			4.0	95	78 --- 121		20
1,1,1-Trichloroethane	4.45	ug/L			4.0	111	82 --- 122		20
1,1,2,2-Tetrachloroethane	3.65	ug/L			4.0	91	68 --- 128		20
1,1,2-Trichloroethane	3.48	ug/L			4.0	87	84 --- 114		20
1,1-Dichloroethane	4.24	ug/L			4.0	106	76 --- 122		20
1,1-Dichloroethene	4.50	ug/L			4.0	112	83 --- 123		20
1,1-Dichloropropene	4.43	ug/L			4.0	111	85 --- 120		20
1,2 Dichloroethane-d4	91.0	% Recovery			100	91.0	87 --- 107		
1,2,3-Trichlorobenzene	3.64	ug/L			4.0	91	78 --- 121		20
1,2,3-Trichloropropane	3.38	ug/L			4.0	84	62 --- 129		20
1,2,4-Trichlorobenzene	3.89	ug/L			4.0	97	80 --- 120		20
1,2,4-Trimethylbenzene	4.59	ug/L			4.0	115	76 --- 125		20
1,2-Dibromo-3-chloropropane	3.28	ug/L			4.0	82	69 --- 125		20
1,2-Dibromoethane	3.59	ug/L			4.0	90	80 --- 118		20
1,2-Dichlorobenzene	5.40	ug/L			4.0	135	80 --- 117		20
1,2-Dichloroethane	3.87	ug/L			4.0	97	78 --- 118		20
1,2-Dichloropropane	3.94	ug/L			4.0	98	78 --- 121		20
1,3,5-Trimethylbenzene	4.65	ug/L			4.0	116	76 --- 126		20
1,3-Dichlorobenzene	4.29	ug/L			4.0	107	78 --- 119		20
1,3-Dichloropropane	3.62	ug/L			4.0	90	82 --- 117		20
1,4-Dichlorobenzene	6.93	ug/L			4.0	173	77 --- 118		20
2,2-Dichloropropane	4.20	ug/L			4.0	105	71 --- 133		20
2-Butanone	34.4	ug/L			40.0	86	80 --- 120		20
2-Chlorotoluene	4.62	ug/L			4.0	116	73 --- 124		20
2-Hexanone	34.4	ug/L			40.0	86	73 --- 127		20
4-Chlorotoluene	4.53	ug/L			4.0	113	74 --- 125		20
4-Methyl-2-pentanone	36.1	ug/L			40.0	90	77 --- 125		20
Acetone	36.9	ug/L			40.0	92	72 --- 117		20
Benzene	4.16	ug/L			4.0	104	82 --- 118		20
Bromobenzene	4.26	ug/L			4.0	106	77 --- 118		20
Bromochloromethane	3.77	ug/L			4.0	94	81 --- 116		20
Bromodichloromethane	3.88	ug/L			4.0	97	80 --- 122		20
Bromofluorobenzene	103	% Recovery			100	103	90 --- 108		
Bromoform	3.33	ug/L			4.0	83	72 --- 124		20
Bromomethane	4.26	ug/L			4.0	106	25 --- 156		20
Carbon disulfide	8.68	ug/L			8.0	108	81 --- 124		20
Carbon tetrachloride	4.47	ug/L			4.0	112	87 --- 129		20
Chlorobenzene	8.06	ug/L			4.0	202	78 --- 118		20
Chloroethane	4.30	ug/L			4.0	108	73 --- 126		20
Chloroform	4.08	ug/L			4.0	102	76 --- 119		20
Chloromethane	4.01	ug/L			4.0	100	70 --- 121		20
cis-1,2-Dichloroethene	4.06	ug/L			4.0	102	82 --- 118		20

SDG #: 0

Folder #: 166179

Project #:

Lab Control Spike Water

Analytical Run #:	197929	Analysis Date:	12/8/2021	Prep Batch #:	Matrix:	LIQUID
CTLab #:	1084545	Analysis Time:	14:29	Prep Date/Time:	Method:	SW8260C
Parent Sample #:		Analyst:	RLD	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	3.72	ug/L			4.0	93	81 --- 123		20
d8-Toluene	99.0	% Recovery			100	99.0	93 --- 108		
Dibromochloromethane	3.63	ug/L			4.0	91	76 --- 124		20
Dibromofluoromethane	96.0	% Recovery			100	96.0	93 --- 106		
Dibromomethane	3.68	ug/L			4.0	92	83 --- 115		20
Dichlorodifluoromethane	4.51	ug/L			4.0	113	78 --- 126		20
Diisopropyl ether	3.53	ug/L			4.0	88	75 --- 125		20
Ethylbenzene	4.36	ug/L			4.0	109	78 --- 125		20
Hexachlorobutadiene	4.55	ug/L			4.0	114	79 --- 123		20
Isopropylbenzene	4.39	ug/L			4.0	110	81 --- 124		20
m & p-Xylene	8.43	ug/L			8.0	105	80 --- 123		20
Methyl tert-butyl ether	3.33	ug/L			4.0	83	82 --- 116		20
Methylene chloride	4.07	ug/L			4.0	102	73 --- 128		20
n-Butylbenzene	4.76	ug/L			4.0	119	76 --- 127		20
n-Propylbenzene	4.65	ug/L			4.0	116	75 --- 129		20
Naphthalene	3.36	ug/L			4.0	84	64 --- 129		20
o-Xylene	4.15	ug/L			4.0	104	81 --- 121		20
p-Isopropyltoluene	4.72	ug/L			4.0	118	79 --- 126		20
sec-Butylbenzene	4.77	ug/L			4.0	119	76 --- 128		20
Styrene	3.99	ug/L			4.0	100	81 --- 122		20
tert-Butylbenzene	4.74	ug/L			4.0	118	76 --- 125		20
Tetrachloroethene	4.44	ug/L			4.0	111	82 --- 123		20
Tetrahydrofuran	35.5	ug/L			40.0	89	69 --- 122		20
Toluene	4.21	ug/L			4.0	105	82 --- 119		20
trans-1,2-Dichloroethene	4.26	ug/L			4.0	106	80 --- 122		20
trans-1,3-Dichloropropene	3.50	ug/L			4.0	88	83 --- 119		20
Trichloroethene	4.32	ug/L			4.0	108	82 --- 120		20
Trichlorofluoromethane	4.67	ug/L			4.0	117	78 --- 130		20
Vinyl acetate	34.3	ug/L			40.0	86	63 --- 136		20
Vinyl chloride	4.49	ug/L			4.0	112	73 --- 127		20

Method Blank Water

Analytical Run #:	197929	Analysis Date:	12/8/2021	Prep Batch #:	Matrix:	LIQUID
CTLab #:	1082484	Analysis Time:	15:54	Prep Date/Time:	Method:	SW8260C
Parent Sample #:		Analyst:	RLD	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	0.013	ug/L		U	0		0.013		
1,1,1-Trichloroethane	0.013	ug/L		U	0		0.013		
1,1,2,2-Tetrachloroethane	0.015	ug/L		U	0		0.015		
1,1,2-Trichloroethane	0.036	ug/L		U	0		0.036		
1,1-Dichloroethane	0.017	ug/L		U	0		0.017		
1,1-Dichloroethene	0.024	ug/L		U	0		0.024		
1,1-Dichloropropene	0.074	ug/L		U	0		0.074		
1,2 Dichloroethane-d4	96.0	% Recovery			100	96.0	68 --- 120		
1,2,3-Trichlorobenzene	0.019	ug/L		U	0		0.019		
1,2,3-Trichloropropane	0.031	ug/L		U	0		0.031		
1,2,4-Trichlorobenzene	0.0222	ug/L		U	0		0.0222		
1,2,4-Trimethylbenzene	0.011	ug/L		U	0		0.011		
1,2-Dibromo-3-chloropropane	0.12	ug/L		U	0		0.12		
1,2-Dibromoethane	0.029	ug/L		U	0		0.029		
1,2-Dichlorobenzene	0.016	ug/L		U	0		0.016		
1,2-Dichloroethane	0.017	ug/L		U	0		0.017		
1,2-Dichloropropane	0.013	ug/L		U	0		0.013		
1,3,5-Trimethylbenzene	0.013	ug/L		U	0		0.013		
1,3-Dichlorobenzene	0.013	ug/L		U	0		0.013		
1,3-Dichloropropane	0.020	ug/L		U	0		0.020		
1,4-Dichlorobenzene	0.017	ug/L		U	0		0.017		
2,2-Dichloropropane	0.075	ug/L		U	0		0.075		
2-Butanone	0.31	ug/L		U	0		0.31		
2-Chlorotoluene	0.020	ug/L		U	0		0.020		
2-Hexanone	0.15	ug/L		U	0		0.15		
4-Chlorotoluene	0.013	ug/L		U	0		0.013		
4-Methyl-2-pentanone	0.19	ug/L		U	0		0.19		
Acetone	0.84	ug/L		U	0		0.84		
Benzene	0.022	ug/L		U	0		0.022		
Bromobenzene	0.018	ug/L		U	0		0.018		
Bromochloromethane	0.034	ug/L		U	0		0.034		
Bromodichloromethane	0.019	ug/L		U	0		0.019		
Bromofluorobenzene	100	% Recovery			100	100	68 --- 120		
Bromoform	0.041	ug/L		U	0		0.041		
Bromomethane	0.052	ug/L		U	0		0.052		
Carbon disulfide	0.11	ug/L		U	0		0.11		
Carbon tetrachloride	0.018	ug/L		U	0		0.018		
Chlorobenzene	0.013	ug/L		U	0		0.013		
Chloroethane	0.40	ug/L		U	0		0.40		
Chloroform	0.016	ug/L		U	0		0.016		
Chloromethane	0.045	ug/L		U	0		0.045		
cis-1,2-Dichloroethene	0.023	ug/L		U	0		0.023		

Method Blank Water

Analytical Run #:	197929	Analysis Date:	12/8/2021	Prep Batch #:	Matrix:	LIQUID
CTLab #:	1082484	Analysis Time:	15:54	Prep Date/Time:	Method:	SW8260C
Parent Sample #:		Analyst:	RLD	Prep Analyst:		

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

SDG #: 0

Folder #: 166179

Project #:

Matrix Spike Duplicate Water

Analytical Run #:	197929	Analysis Date:	12/9/2021	Prep Batch #:	Matrix:	GROUND WATER
CTLab #:	1082940	Analysis Time:	15:52	Prep Date/Time:	Method:	SW8260C
Parent Sample #:	1082939	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	98.0	ug/L	BDL		100	98	67 --- 122	2	21
1,1,1-Trichloroethane	115	ug/L	12		100	103	69 --- 128	3	20
1,1,2,2-Tetrachloroethane	96.0	ug/L	BDL		100	96	54 --- 130	2	22
1,1,2-Trichloroethane	98.6	ug/L	BDL		100	99	67 --- 116	2	25
1,1-Dichloroethane	103	ug/L	4.8		100	98	64 --- 124	3	25
1,1-Dichloroethene	104	ug/L	1.0		100	103	70 --- 130	3	24
1,1-Dichloropropene	104	ug/L	BDL		100	104	74 --- 127	5	21
1,2 Dichloroethane-d4	98.0	% Recovery			100.0	98.0	86 --- 106	0	7
1,2,3-Trichlorobenzene	110	ug/L	BDL		100	110	56 --- 134	8	31
1,2,3-Trichloropropane	91.4	ug/L	BDL		100	91	54 --- 117	4	26
1,2,4-Trichlorobenzene	107	ug/L	BDL		100	107	56 --- 133	9	29
1,2,4-Trimethylbenzene	99.2	ug/L	BDL		100	99	63 --- 132	3	36
1,2-Dibromo-3-chloropropane	95.1	ug/L	BDL		100	95	48 --- 121	2	34
1,2-Dibromoethane	97.9	ug/L	BDL		100	98	66 --- 114	1	22
1,2-Dichlorobenzene	98.8	ug/L	BDL		100	99	63 --- 124	3	23
1,2-Dichloroethane	102	ug/L	BDL		100	102	60 --- 117	3	21
1,2-Dichloropropane	99.7	ug/L	BDL		100	100	67 --- 121	3	19
1,3,5-Trimethylbenzene	97.6	ug/L	BDL		100	98	68 --- 130	3	34
1,3-Dichlorobenzene	100	ug/L	BDL		100	100	66 --- 126	2	22
1,3-Dichloropropane	97.8	ug/L	BDL		100	98	67 --- 114	1	23
1,4-Dichlorobenzene	99.1	ug/L	BDL		100	99	65 --- 125	2	22
2,2-Dichloropropane	99.4	ug/L	BDL		100	99	57 --- 136	5	21
2-Butanone	971	ug/L	BDL		1000	97	67 --- 110	3	29
2-Chlorotoluene	97.2	ug/L	BDL		100	97	61 --- 134	3	20
2-Hexanone	960	ug/L	BDL		1000	96	51 --- 128	3	28
4-Chlorotoluene	98.6	ug/L	BDL		100	99	65 --- 129	4	22
4-Methyl-2-pentanone	965	ug/L	BDL		1000	96	55 --- 125	4	29
Acetone	1030	ug/L	14		1000	102	41 --- 101	2	39
Benzene	96.7	ug/L	BDL		100	97	71 --- 120	4	17
Bromobenzene	97.7	ug/L	BDL		100	98	63 --- 129	4	20
Bromochloromethane	99.2	ug/L	BDL		100	99	69 --- 113	2	22
Bromodichloromethane	101	ug/L	BDL		100	101	66 --- 119	1	20
Bromofluorobenzene	97.0	% Recovery			100.0	97.0	75 --- 124	0	7
Bromoform	96.6	ug/L	BDL		100	97	57 --- 116	1	28
Bromomethane	96.3	ug/L	BDL		100	96	11 --- 144	8	34
Carbon disulfide	196	ug/L	BDL		200	98	62 --- 136	4	31
Carbon tetrachloride	107	ug/L	BDL		100	107	80 --- 133	3	20
Chlorobenzene	97.0	ug/L	BDL		100	97	69 --- 120	3	21
Chloroethane	101	ug/L	BDL		100	101	61 --- 129	5	26
Chloroform	98.0	ug/L	BDL		100	98	64 --- 121	3	18
Chloromethane	93.5	ug/L	BDL		100	94	58 --- 120	2	21
cis-1,2-Dichloroethene	193	ug/L	95		100	98	71 --- 117	4	21

SDG #: 0

Folder #: 166179

Project #:

Matrix Spike Duplicate Water

Analytical Run #:	197929	Analysis Date:	12/9/2021	Prep Batch #:	Matrix:	GROUND WATER
CTLab #:	1082940	Analysis Time:	15:52	Prep Date/Time:	Method:	SW8260C
Parent Sample #:	1082939	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	98.5	ug/L	BDL		100	98	66 --- 116	2	21
d8-Toluene	100	% Recovery			100	100	94 --- 105	0	7
Dibromochloromethane	99.7	ug/L	BDL		100	100	64 --- 115	1	23
Dibromofluoromethane	101	% Recovery			100.0	101	90 --- 108	0	7
Dibromomethane	98.7	ug/L	BDL		100	99	68 --- 111	3	21
Dichlorodifluoromethane	105	ug/L	BDL		100	105	68 --- 141	3	22
Diisopropyl ether	93.9	ug/L	BDL		100	94	57 --- 129	4	27
Ethylbenzene	96.9	ug/L	BDL		100	97	70 --- 128	3	24
Hexachlorobutadiene	109	ug/L	BDL		100	109	57 --- 146	10	30
Isopropylbenzene	99.3	ug/L	BDL		100	99	72 --- 131	2	24
m & p-Xylene	195	ug/L	BDL		200	98	70 --- 128	2	28
Methyl tert-butyl ether	95.4	ug/L	BDL		100	95	60 --- 116	3	33
Methylene chloride	113	ug/L	7.0		100	106	29 --- 139	4	36
n-Butylbenzene	105	ug/L	BDL		100	105	67 --- 136	5	24
n-Propylbenzene	98.5	ug/L	BDL		100	98	64 --- 143	4	23
Naphthalene	98.1	ug/L	BDL		100	98	58 --- 122	10	31
o-Xylene	97.3	ug/L	BDL		100	97	71 --- 123	2	26
p-Isopropyltoluene	101	ug/L	BDL		100	101	71 --- 135	4	27
sec-Butylbenzene	102	ug/L	BDL		100	102	71 --- 137	3	23
Styrene	99.3	ug/L	BDL		100	99	70 --- 125	2	40
tert-Butylbenzene	98.9	ug/L	BDL		100	99	70 --- 133	3	22
Tetrachloroethene	105	ug/L	BDL		100	105	75 --- 127	2	21
Tetrahydrofuran	930	ug/L	BDL		1000	93	48 --- 111	3	28
Toluene	95.4	ug/L	BDL		100	95	71 --- 120	4	19
trans-1,2-Dichloroethene	101	ug/L	0.73		100	100	72 --- 121	4	28
trans-1,3-Dichloropropene	97.1	ug/L	BDL		100	97	69 --- 109	3	21
Trichloroethene	209	ug/L	120		100	89	73 --- 118	4	19
Trichlorofluoromethane	108	ug/L	BDL		100	108	75 --- 134	2	23
Vinyl acetate	899	ug/L	BDL		1000	90	55 --- 127	4	25
Vinyl chloride	105	ug/L	0.27		100	105	61 --- 130	3	21

Matrix Spike Water

Analytical Run #:	197929	Analysis Date:	12/9/2021	Prep Batch #:	Matrix:	GROUND WATER
CTLab #:	1082939	Analysis Time:	15:23	Prep Date/Time:	Method:	SW8260C
Parent Sample #:	1080228	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	100	ug/L	BDL		100	100	67 --- 122		21
1,1,1-Trichloroethane	118	ug/L	12		100	106	69 --- 128		20
1,1,2,2-Tetrachloroethane	98.4	ug/L	BDL		100	98	54 --- 130		22
1,1,2-Trichloroethane	100	ug/L	BDL		100	100	67 --- 116		25
1,1-Dichloroethane	107	ug/L	4.8		100	102	64 --- 124		25
1,1-Dichloroethene	107	ug/L	1.0		100	106	70 --- 130		24
1,1-Dichloropropene	110	ug/L	BDL		100	110	74 --- 127		21
1,2 Dichloroethane-d4	95.0	% Recovery				95.0	86 --- 106		7
1,2,3-Trichlorobenzene	119	ug/L	BDL		100	119	56 --- 134		31
1,2,3-Trichloropropane	88.2	ug/L	BDL		100	88	54 --- 117		26
1,2,4-Trichlorobenzene	118	ug/L	BDL		100	118	56 --- 133		29
1,2,4-Trimethylbenzene	102	ug/L	BDL		100	102	63 --- 132		36
1,2-Dibromo-3-chloropropane	97.1	ug/L	BDL		100	97	48 --- 121		34
1,2-Dibromoethane	98.6	ug/L	BDL		100	99	66 --- 114		22
1,2-Dichlorobenzene	101	ug/L	BDL		100	101	63 --- 124		23
1,2-Dichloroethane	106	ug/L	BDL		100	106	60 --- 117		21
1,2-Dichloropropane	103	ug/L	BDL		100	103	67 --- 121		19
1,3,5-Trimethylbenzene	101	ug/L	BDL		100	101	68 --- 130		34
1,3-Dichlorobenzene	102	ug/L	BDL		100	102	66 --- 126		22
1,3-Dichloropropane	99.1	ug/L	BDL		100	99	67 --- 114		23
1,4-Dichlorobenzene	101	ug/L	BDL		100	101	65 --- 125		22
2,2-Dichloropropane	105	ug/L	BDL		100	105	57 --- 136		21
2-Butanone	999	ug/L	BDL		1000	100	67 --- 110		29
2-Chlorotoluene	100	ug/L	BDL		100	100	61 --- 134		20
2-Hexanone	987	ug/L	BDL		1000	99	51 --- 128		28
4-Chlorotoluene	102	ug/L	BDL		100	102	65 --- 129		22
4-Methyl-2-pentanone	1000	ug/L	BDL		1000	100	55 --- 125		29
Acetone	1060	ug/L	14		1000	105	41 --- 101		39
Benzene	101	ug/L	BDL		100	101	71 --- 120		17
Bromobenzene	101	ug/L	BDL		100	101	63 --- 129		20
Bromochloromethane	101	ug/L	BDL		100	101	69 --- 113		22
Bromodichloromethane	102	ug/L	BDL		100	102	66 --- 119		20
Bromofluorobenzene	98.0	% Recovery			100	98.0	75 --- 124		7
Bromoform	97.6	ug/L	BDL		100	98	57 --- 116		28
Bromomethane	88.7	ug/L	BDL		100	89	11 --- 144		34
Carbon disulfide	204	ug/L	BDL		200	102	62 --- 136		31
Carbon tetrachloride	111	ug/L	BDL		100	111	80 --- 133		20
Chlorobenzene	99.8	ug/L	BDL		100	100	69 --- 120		21
Chloroethane	106	ug/L	BDL		100	106	61 --- 129		26
Chloroform	101	ug/L	BDL		100	101	64 --- 121		18
Chloromethane	95.0	ug/L	BDL		100	95	58 --- 120		21
cis-1,2-Dichloroethene	200	ug/L	95		100	105	71 --- 117		21

SDG #: 0

Folder #: 166179

Project #:

Matrix Spike Water

Analytical Run #:	197929	Analysis Date:	12/9/2021	Prep Batch #:	Matrix:	GROUND WATER
CTLab #:	1082939	Analysis Time:	15:23	Prep Date/Time:	Method:	SW8260C
Parent Sample #:	1080228	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	100	ug/L	BDL		100	100	66 --- 116		21
d8-Toluene	99.0	% Recovery			100	99.0	94 --- 105		7
Dibromochloromethane	101	ug/L	BDL		100	101	64 --- 115		23
Dibromofluoromethane	101	% Recovery				101	90 --- 108		7
Dibromomethane	101	ug/L	BDL		100	101	68 --- 111		21
Dichlorodifluoromethane	108	ug/L	BDL		100	108	68 --- 141		22
Diisopropyl ether	97.5	ug/L	BDL		100	98	57 --- 129		27
Ethylbenzene	99.6	ug/L	BDL		100	100	70 --- 128		24
Hexachlorobutadiene	121	ug/L	BDL		100	121	57 --- 146		30
Isopropylbenzene	101	ug/L	BDL		100	101	72 --- 131		24
m & p-Xylene	199	ug/L	BDL		200	100	70 --- 128		28
Methyl tert-butyl ether	98.4	ug/L	BDL		100	98	60 --- 116		33
Methylene chloride	117	ug/L	7.0		100	110	29 --- 139		36
n-Butylbenzene	111	ug/L	BDL		100	111	67 --- 136		24
n-Propylbenzene	102	ug/L	BDL		100	102	64 --- 143		23
Naphthalene	108	ug/L	BDL		100	108	58 --- 122		31
o-Xylene	99.7	ug/L	BDL		100	100	71 --- 123		26
p-Isopropyltoluene	105	ug/L	BDL		100	105	71 --- 135		27
sec-Butylbenzene	105	ug/L	BDL		100	105	71 --- 137		23
Styrene	101	ug/L	BDL		100	101	70 --- 125		40
tert-Butylbenzene	102	ug/L	BDL		100	102	70 --- 133		22
Tetrachloroethene	107	ug/L	BDL		100	107	75 --- 127		21
Tetrahydrofuran	959	ug/L	BDL		1000	96	48 --- 111		28
Toluene	99.3	ug/L	BDL		100	99	71 --- 120		19
trans-1,2-Dichloroethene	104	ug/L	0.73		100	103	72 --- 121		28
trans-1,3-Dichloropropene	99.6	ug/L	BDL		100	100	69 --- 109		21
Trichloroethene	217	ug/L	120		100	97	73 --- 118		19
Trichlorofluoromethane	111	ug/L	BDL		100	111	75 --- 134		23
Vinyl acetate	935	ug/L	BDL		1000	94	55 --- 127		25
Vinyl chloride	108	ug/L	0.27		100	108	61 --- 130		21

Lab Control Spike Water

Analytical Run #:	197982	Analysis Date:	12/8/2021	Prep Batch #:	83617	Matrix:	LIQUID
CTLab #:	1081088	Analysis Time:	11:20	Prep Date/Time:	12/06/2021 08:14	Method:	RSK175
Parent Sample #:		Analyst:	KMT	Prep Analyst:	KMT		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Ethane	3.76	ug/L			4.75	79	66 --- 129		20
Ethene	5.61	ug/L			6.77	83	68 --- 128		20
Methane	1.95	ug/L			2.28	86	71 --- 126		20

Method Blank Water

Analytical Run #:	197982	Analysis Date:	12/8/2021	Prep Batch #:	83617	Matrix:	LIQUID
CTLab #:	1081087	Analysis Time:	11:30	Prep Date/Time:	12/06/2021 08:14	Method:	RSK175
Parent Sample #:		Analyst:	KMT	Prep Analyst:	KMT		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Ethane	0.38	ug/L		U	0		0.38		
Ethene	0.59	ug/L		U	0		0.59		
Methane	0.45	ug/L		U	0		0.45		

Matrix Spike Duplicate Water

Analytical Run #:	197982	Analysis Date:	12/8/2021	Prep Batch #:	83617	Matrix:	GROUND WATER
CTLab #:	1081086	Analysis Time:	11:54	Prep Date/Time:	12/06/2021 08:14	Method:	RSK175
Parent Sample #:	1081085	Analyst:	KMT	Prep Analyst:	KMT		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Ethane	4.13	ug/L	BDL		4.75	87	50 --- 142	13	20
Ethene	5.68	ug/L	BDL		6.77	84	56 --- 138	3	43
Methane	19.9	ug/L	12		2.28	346	10 --- 163	73	20

Matrix Spike Water

Analytical Run #:	197982	Analysis Date:	12/8/2021	Prep Batch #:	83617	Matrix:	GROUND WATER
CTLab #:	1081085	Analysis Time:	11:40	Prep Date/Time:	12/06/2021 08:14	Method:	RSK175
Parent Sample #:	1080204	Analyst:	KMT	Prep Analyst:	KMT		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Ethane	3.63	ug/L	BDL		4.75	76	50 --- 142		20
Ethene	5.53	ug/L	BDL		6.77	82	56 --- 138		43
Methane	9.27	ug/L	12		2.28	0	10 --- 163		20

Sample Condition Report

Folder #: 166179	Print Date / Time: 12/02/2021 10:52
Client: HYDE ENVIRONMENTAL, INC.	Received Date / Time / By: 12/02/2021 10:25 erc
Project Name: OEC SUPERFUND WI	Log-In Date / Time / By: 12/02/2021 10:52 erc
Project Phase: ASHIPPUN, WI	Project #: PM: BMS
Coolers: 6662, 5488, 6218	Temperature: <5.0 C On Ice: Y
Custody Seals Present : Y	COC Present?: Y Complete? Y
Seal Intact? Y	Numbers: DATED AND SIGNED
Ship Method: UPS GROUND	Tracking Number: 3 TRACKING NUMBERS
Adequate Packaging: Y	Temp Blank Enclosed? Y

Notes: SAMPLE MW-5D ARRIVED WITH ONE (1) EMPTY VOA VIAL. ALL OTHER SAMPLES WERE RECEIVED IN GOOD CONDITION ON ICE.

ONE CUSTODY SEAL PRESENT AND INTACT ON EACH COOLER UPON RECEIPT - ALL WERE DATED 12-1-21 AND SIGNED.

A TRIP BLANK WAS RECEIVED BUT WAS NOT LISTED ON THE COC. THE TRIP BLANK WAS ADDED TO THE COC AND LOGGED FOR LOW-LEVEL VOC (8260C) ANALYSIS, PER THE BOTTELS RECEIVED.

TRACKING NUMBERS: 1Z1A377E904607, "46052011, "48057825

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
1080204 MW-1S	UNPRES PL	1	/	ALK,Anions
Total # of Containers of Type (UNPRES PL) = 1				
1080204 MW-1S	VOA HCL	1	N / N	GAS,VOC
	VOA HCL	1	/	GAS,VOC
	VOA HCL	1	/	GAS,VOC
	VOA HCL	1	/	GAS,VOC
	VOA HCL	1	/	GAS,VOC
	VOA HCL	1	/	GAS,VOC
	VOA HCL	1	N / N	GAS,VOC
	VOA HCL	1	N / N	GAS,VOC
Total # of Containers of Type (VOA HCL) = 8				
1080204 MW-1S	HNO3	1	Y / N	ICP
Total # of Containers of Type (HNO3) = 1				
1080204 MW-1S	NAOH W/ZNAC	1	Y / N	SLFD
Total # of Containers of Type (NAOH W/ZNAC) = 1				
1080204 MW-1S				

H2SO4 PL 1 Y / N TOC
Total # of Containers of Type (H2SO4 PL) = 1

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
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1080205 MW-1S
 HNO3 1 Y / N ICP
Total # of Containers of Type (HNO3) = 1

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
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1080206 MW-1D
 UNPRES PL 1 / ALK,Anions
Total # of Containers of Type (UNPRES PL) = 1

1080206 MW-1D
 VOA HCL 1 / GAS,VOC
 VOA HCL 1 / GAS,VOC
 VOA HCL 1 / GAS,VOC
 VOA HCL 1 / GAS,VOC
 VOA HCL 1 / GAS,VOC
 VOA HCL 1 / GAS,VOC
 VOA HCL 1 N / N GAS,VOC
 VOA HCL 1 N / N GAS,VOC
Total # of Containers of Type (VOA HCL) = 8

1080206 MW-1D
 HNO3 1 Y / N ICP
Total # of Containers of Type (HNO3) = 1

1080206 MW-1D
 NAOH W/ZNAC 1 Y / N SLFD
Total # of Containers of Type (NAOH W/ZNAC) = 1

1080206 MW-1D
 H2SO4 PL 1 Y / N TOC
Total # of Containers of Type (H2SO4 PL) = 1

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
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1080207 MW-1D
 HNO3 1 Y / N ICP
Total # of Containers of Type (HNO3) = 1

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
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1080208 MW-5D
 UNPRES PL 1 / ALK,Anions
Total # of Containers of Type (UNPRES PL) = 1

1080208 MW-5D
 VOA HCL 1 / GAS,VOC
 VOA HCL 1 / GAS,VOC
 VOA HCL 1 / GAS,VOC
 VOA HCL 1 / GAS,VOC

VOA HCL	1		/		GAS,VOC
VOA HCL	1		/		GAS,VOC
VOA HCL	1	N	/	N	GAS,VOC
VOA HCL	10	N	/	N	GAS,VOC

Total # of Containers of Type (VOA HCL) = 8

1080208 MW-5D

HNO3	1	Y	/	N	ICP
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Total # of Containers of Type (HNO3) = 1

1080208 MW-5D

NAOH W/ZNAC	1	Y	/	N	SLFD
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Total # of Containers of Type (NAOH W/ZNAC) = 1

1080208 MW-5D

H2SO4 PL	1	Y	/	N	TOC
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Total # of Containers of Type (H2SO4 PL) = 1

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
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1080221 MW-5D

HNO3	1	Y	/	N	ICP
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Total # of Containers of Type (HNO3) = 1

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
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1080222 MW-9S

UNPRES PL	1		/		ALK,Anions
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Total # of Containers of Type (UNPRES PL) = 1

1080222 MW-9S

VOA HCL	1		/		GAS,VOC
VOA HCL	1		/		GAS,VOC
VOA HCL	1		/		GAS,VOC
VOA HCL	1		/		GAS,VOC
VOA HCL	1		/		GAS,VOC
VOA HCL	1		/		GAS,VOC
VOA HCL	1	N	/	N	GAS,VOC
VOA HCL	1	N	/	N	GAS,VOC

Total # of Containers of Type (VOA HCL) = 8

1080222 MW-9S

HNO3	1	Y	/	N	ICP
------	---	---	---	---	-----

Total # of Containers of Type (HNO3) = 1

1080222 MW-9S

NAOH W/ZNAC	1	Y	/	N	SLFD
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Total # of Containers of Type (NAOH W/ZNAC) = 1

1080222 MW-9S

H2SO4 PL	1	Y	/	N	TOC
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Total # of Containers of Type (H2SO4 PL) = 1

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
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1080223 MW-9S

HNO3 1 Y / N ICP

Total # of Containers of Type (HNO3) = 1

Sample ID / Description

Container Type

Cond. Code

pH OK?/Filtered?

Tests

1080224 MW-2D

UNPRES PL 1 / ALK,Anions

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

1080224 MW-2D

VOA HCL 1 / GAS,VOC

VOA HCL 1 / GAS,VOC

VOA HCL 1 / GAS,VOC

VOA HCL 1 / GAS,VOC

VOA HCL 1 / GAS,VOC

VOA HCL 1 / GAS,VOC

VOA HCL 1 N / N GAS,VOC

VOA HCL 1 N / N GAS,VOC

Total # of Containers of Type (VOA HCL) = 8

1080224 MW-2D

HNO3 1 Y / N ICP

Total # of Containers of Type (HNO3) = 1

1080224 MW-2D

NAOH W/ZNAC 1 Y / N SLFD

Total # of Containers of Type (NAOH W/ZNAC) = 1

1080224 MW-2D

H2SO4 PL 1 Y / N TOC

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

Sample ID / Description

Container Type

Cond. Code

pH OK?/Filtered?

Tests

1080225 MW-2D

HNO3 1 Y / N ICP

Total # of Containers of Type (HNO3) = 1

Sample ID / Description

Container Type

Cond. Code

pH OK?/Filtered?

Tests

1080226 OW-6

UNPRES PL 1 / ALK,Anions

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

1080226 OW-6

VOA HCL 1 / GAS,VOC

VOA HCL 1 / GAS,VOC

VOA HCL 1 / GAS,VOC

VOA HCL 1 / GAS,VOC

VOA HCL 1 / GAS,VOC

VOA HCL 1 / GAS,VOC

VOA HCL 1 N / N GAS,VOC

VOA HCL 1 N / N GAS,VOC
Total # of Containers of Type (VOA HCL) = 8

1080226 OW-6

HNO3 1 Y / N ICP
Total # of Containers of Type (HNO3) = 1

1080226 OW-6

NAOH W/ZNAC 1 Y / N SLFD
Total # of Containers of Type (NAOH W/ZNAC) = 1

1080226 OW-6

H2SO4 PL 1 Y / N TOC
Total # of Containers of Type (H2SO4 PL) = 1

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

1080227 OW-6

HNO3 1 Y / N ICP
Total # of Containers of Type (HNO3) = 1

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

1080228 MW-103D

UNPRES PL 1 / ALK,Anions
Total # of Containers of Type (UNPRES PL) = 1

1080228 MW-103D

VOA HCL 1 / GAS,VOC
 VOA HCL 1 / GAS,VOC
 VOA HCL 1 / GAS,VOC
 VOA HCL 1 / GAS,VOC
 VOA HCL 1 / GAS,VOC
 VOA HCL 1 / GAS,VOC
 VOA HCL 1 N / N GAS,VOC
 VOA HCL 1 N / N GAS,VOC
Total # of Containers of Type (VOA HCL) = 8

1080228 MW-103D

HNO3 1 Y / N ICP
Total # of Containers of Type (HNO3) = 1

1080228 MW-103D

NAOH W/ZNAC 1 Y / N SLFD
Total # of Containers of Type (NAOH W/ZNAC) = 1

1080228 MW-103D

H2SO4 PL 1 Y / N TOC
Total # of Containers of Type (H2SO4 PL) = 1

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

1080229 MW-103D

HNO3 1 Y / N ICP

Total # of Containers of Type (HNO3) = 1

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?		Tests
1080230 MW-103S	UNPRES PL	1	/		ALK,Anions
Total # of Containers of Type (UNPRES PL) = 1					
1080230 MW-103S	VOA HCL	1	/		GAS,VOC
	VOA HCL	1	/		GAS,VOC
	VOA HCL	1	/		GAS,VOC
	VOA HCL	1	/		GAS,VOC
	VOA HCL	1	/		GAS,VOC
	VOA HCL	1	/		GAS,VOC
	VOA HCL	1	N	/ N	GAS,VOC
	VOA HCL	1	N	/ N	GAS,VOC
Total # of Containers of Type (VOA HCL) = 8					
1080230 MW-103S	HNO3	1	Y	/ N	ICP
Total # of Containers of Type (HNO3) = 1					
1080230 MW-103S	NAOH W/ZNAC	1	Y	/ N	SLFD
Total # of Containers of Type (NAOH W/ZNAC) = 1					
1080230 MW-103S	H2SO4 PL	1	Y	/ N	TOC
Total # of Containers of Type (H2SO4 PL) = 1					
Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?		Tests
1080231 MW-103S	HNO3	1	Y	/ N	ICP
Total # of Containers of Type (HNO3) = 1					
Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?		Tests
1080232 MW-105D	UNPRES PL	1	/		ALK,Anions
Total # of Containers of Type (UNPRES PL) = 1					
1080232 MW-105D	VOA HCL	1	/		GAS,VOC
	VOA HCL	1	/		GAS,VOC
	VOA HCL	1	/		GAS,VOC
	VOA HCL	1	/		GAS,VOC
	VOA HCL	1	/		GAS,VOC
	VOA HCL	1	/		GAS,VOC
	VOA HCL	1	N	/ N	GAS,VOC
	VOA HCL	1	N	/ N	GAS,VOC
Total # of Containers of Type (VOA HCL) = 8					

1080232 MW-105D

HNO3 1 Y / N ICP
Total # of Containers of Type (HNO3) = 1

1080232 MW-105D

NAOH W/ZNAC 1 Y / N SLFD
Total # of Containers of Type (NAOH W/ZNAC) = 1

1080232 MW-105D

H2SO4 PL 1 Y / N TOC
Total # of Containers of Type (H2SO4 PL) = 1

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
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1080233 MW-105D

HNO3 1 Y / N ICP
Total # of Containers of Type (HNO3) = 1

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
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1080234 MW-105B

UNPRES PL 1 / ALK,Anions
Total # of Containers of Type (UNPRES PL) = 1

1080234 MW-105B

VOA HCL	1	/		GAS,VOC
VOA HCL	1	/		GAS,VOC
VOA HCL	1	/		GAS,VOC
VOA HCL	1	/		GAS,VOC
VOA HCL	1	/		GAS,VOC
VOA HCL	1	/		GAS,VOC
VOA HCL	1	N / N		GAS,VOC
VOA HCL	1	N / N		GAS,VOC
Total # of Containers of Type (VOA HCL) = 8				

1080234 MW-105B

HNO3 1 Y / N ICP
Total # of Containers of Type (HNO3) = 1

1080234 MW-105B

NAOH W/ZNAC 1 Y / N SLFD
Total # of Containers of Type (NAOH W/ZNAC) = 1

1080234 MW-105B

H2SO4 PL 1 Y / N TOC
Total # of Containers of Type (H2SO4 PL) = 1

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

1080235 MW-105B

HNO3 1 Y / N ICP
Total # of Containers of Type (HNO3) = 1

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

1080236 MW-105B DUP

UNPRES PL 1 / ALK,Anions
Total # of Containers of Type (UNPRES PL) = 1

1080236 MW-105B DUP

VOA HCL 1 / GAS,VOC
VOA HCL 1 / GAS,VOC
VOA HCL 1 / GAS,VOC
VOA HCL 1 / GAS,VOC
VOA HCL 1 / GAS,VOC
VOA HCL 1 / GAS,VOC
VOA HCL 1 N / N GAS,VOC
VOA HCL 1 N / N GAS,VOC
Total # of Containers of Type (VOA HCL) = 8

1080236 MW-105B DUP

HNO3 1 Y / N ICP
Total # of Containers of Type (HNO3) = 1

1080236 MW-105B DUP

NAOH W/ZNAC 1 Y / N SLFD
Total # of Containers of Type (NAOH W/ZNAC) = 1

1080236 MW-105B DUP

H2SO4 PL 1 Y / N TOC
Total # of Containers of Type (H2SO4 PL) = 1

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

1080237 MW-105B DUP

HNO3 1 Y / N ICP
Total # of Containers of Type (HNO3) = 1

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

1080238 MW-12B

UNPRES PL 1 / ALK,Anions
Total # of Containers of Type (UNPRES PL) = 1

1080238 MW-12B

VOA HCL 1 / GAS,VOC
VOA HCL 1 / GAS,VOC
VOA HCL 1 / GAS,VOC
VOA HCL 1 / GAS,VOC
VOA HCL 1 / GAS,VOC
VOA HCL 1 / GAS,VOC
VOA HCL 1 N / N GAS,VOC
VOA HCL 1 N / N GAS,VOC
Total # of Containers of Type (VOA HCL) = 8

1080238 MW-12B

HNO3 1 Y / N ICP
Total # of Containers of Type (HNO3) = 1

1080238 MW-12B

NAOH W/ZNAC 1 Y / N SLFD
Total # of Containers of Type (NAOH W/ZNAC) = 1

1080238 MW-12B

H2SO4 PL 1 Y / N TOC
Total # of Containers of Type (H2SO4 PL) = 1

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

1080239 MW-12B

HNO3 1 Y / N ICP
Total # of Containers of Type (HNO3) = 1

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

1080240 MW-12D

UNPRES PL 1 / ALK,Anions
Total # of Containers of Type (UNPRES PL) = 1

1080240 MW-12D

VOA HCL 1 / GAS,VOC
VOA HCL 1 / GAS,VOC
VOA HCL 1 / GAS,VOC
VOA HCL 1 / GAS,VOC
VOA HCL 1 / GAS,VOC
VOA HCL 1 / GAS,VOC
VOA HCL 1 N / N GAS,VOC
VOA HCL 1 N / N GAS,VOC
Total # of Containers of Type (VOA HCL) = 8

1080240 MW-12D

HNO3 1 Y / N ICP
Total # of Containers of Type (HNO3) = 1

1080240 MW-12D

NAOH W/ZNAC 1 Y / N SLFD
Total # of Containers of Type (NAOH W/ZNAC) = 1

1080240 MW-12D

H2SO4 PL 1 Y / N TOC
Total # of Containers of Type (H2SO4 PL) = 1

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

1080241 MW-12D

HNO3 1 Y / N ICP
Total # of Containers of Type (HNO3) = 1

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

1080242 MW-12S

UNPRES PL 1 / ALK,Anions
Total # of Containers of Type (UNPRES PL) = 1

1080242 MW-12S

VOA HCL	1	/		GAS,VOC
VOA HCL	1	/		GAS,VOC
VOA HCL	1	/		GAS,VOC
VOA HCL	1	/		GAS,VOC
VOA HCL	1	/		GAS,VOC
VOA HCL	1	/		GAS,VOC
VOA HCL	1	N	/ N	GAS,VOC
VOA HCL	1	N	/ N	GAS,VOC

Total # of Containers of Type (VOA HCL) = 8

1080242 MW-12S

HNO3	1	Y	/ N	ICP
------	---	---	-----	-----

Total # of Containers of Type (HNO3) = 1

1080242 MW-12S

NAOH W/ZNAC	1	Y	/ N	SLFD
-------------	---	---	-----	------

Total # of Containers of Type (NAOH W/ZNAC) = 1

1080242 MW-12S

H2SO4 PL	1	Y	/ N	TOC
----------	---	---	-----	-----

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

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

1080243 MW-12S

HNO3	1	Y	/ N	ICP
------	---	---	-----	-----

Total # of Containers of Type (HNO3) = 1

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

1080244 TRIP BLANK

Trip Blank	1	/		VOC
Trip Blank	1	/		VOC

Total # of Containers of Type (Trip Blank) = 2

1080244 TRIP BLANK

VOA HCL	1	/		VOC
VOA HCL	1	/		VOC

Total # of Containers of Type (VOA HCL) = 2

Condition Code Condition Description

10	Insufficient Volume
----	---------------------

CHAIN OF CUSTODY

Company: Hyde Environmental
 Project Contact: J. Lindemann
 Telephone: 262-250-1226
 Project Name: OEC Superfund WI
 Project #:
 Location: Ashippun WI
 Sampled By: Logan Cranley

Folder #: 166179
 Company: HYDE ENVIRONMENTAL, INC.
 Project: OCONOMOWOC ELECTROPLATING
 Logged By: erc PM: BMS

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

Report To:
 EMAIL: jclindemann@hyde-env.com
 Company: Hyde
 Address: W175 N11163 Stonewood Dr. 110, Germantown WI
 Invoice To:*
 EMAIL: WT
 Company: Same
 Address: Same

RCRA SDWA NPDES
 Waste Other Superfund

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

Client Special Instructions

Sample containers with "F" printed on them have been field filtered

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

Filtered? Y/N
 VOCs + 1,4 dioxane
 low level (82 GC)
 methane, Ethane
 Ethene (82k 75)
 Total Fe (6010C)
 Total Mn (6010C)
 Dissolved Fe (6010C)
 Dissolved Mn (6010C)
 Alkalinity (3102A)
 Chloride (9054)
 Sulfate (9054)
 Nitrate (9054)
 Sulfide (SM 4500 S2F)
 TOC (9060A)

ANALYSES REQUESTED

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

Collection		Matrix	Grab/Comp	Sample #	Sample ID Description	Filtered? Y/N	Fill in Spaces with Bottles per Test													Total # Containers	Designated MS/MSD	CT Lab ID # Lab use only
Date	Time						VOCs + 1,4 dioxane low level (82 GC)	methane, Ethane Ethene (82k 75)	Total Fe (6010C)	Total Mn (6010C)	Dissolved Fe (6010C)	Dissolved Mn (6010C)	Alkalinity (3102A)	Chloride (9054)	Sulfate (9054)	Nitrate (9054)	Sulfide (SM 4500 S2F)	TOC (9060A)				
12/1/21	0700	GW	Grab		MW-1S	Y	4	4	1	1	1	1	1	1	1	1	1	13	108020405			
	0800				MW-1D	Y												13	06,07			
	0830				MW-5D	Y												13	08,21			
	0930				MW-9ES	Y												13	23,23			
	1030				MW-2D	Y												13	24,25			
	1100				OW-6	Y												13	26,27			
	1200				MW-103D	Y												13	28,29			
	1230				MW-103S	Y												13	30,31			
	1330				MW-105D	Y												13	32,33			
	1400				MW-105B	Y												13	34,35			
	1415				MW-105B DUP	Y												13	36,37			
	1530				MW-12B	Y												13	38,39			

Relinquished By: Logan Cranley
 Received by:

Date/Time: 12-1-21 1740
 Date/Time:

Received By: [Signature]
 Received for Laboratory by: [Signature]
 166179 - Page 117 of 121

Date/Time: 12/1/21 1025
 Date/Time: 12/1/21 1110

Lab Use Only
 Ice Present Yes No
 Temp 15.0 IR Gun 27
 Cooler # 6662, 5488, 6218

Company: Hyde Environmental
 Project Contact: J. Lindemann
 Telephone: 262-250-1226
 Project Name: OEC Superfund WI
 Project #:
 Location: Ashippun WI
 Sampled By: Logan Crowley

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

Report To: jclindemann@hyde-env.com
 EMAIL: jclindemann@hyde-env.com
 Company: Hyde
 Address: W75N11163 Stonewood Dr. 110, Germantown WI
 Invoice To: *
 EMAIL: WI
 Company: Same
 Address: Same

Lab Use Only
 Place Header Sticker Here:
 166179
 Program: QSM RCRA SDWA NPDES
 Solid Waste Other Superfund
 PO #

Client Special Instructions
 Sample contains with "F" printed on them have been field filtered

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

Filtered? Y/N	VOCs (1,4-dioxane low level) (8260C)	Methane Ethylene Ethane (15175)	Total Fe (6010C)	Total Mn (6010C)	Dissolved Fe (6010C)	Dissolved Mn (6010C)	ANALYSES REQUESTED										Total # Containers	Designated MS/MSD	Turnaround Time Normal RUSH* Date Needed: _____ Rush analysis requires prior CT Laboratories' approval Surcharges: 24 hr 200% 2-3 days 100% 4-9 days 50%
							Alkalinity (3102)	Chloride (9056)	Sulfate (9056)	Nitrate (9056)	Sulfide (SM4500-S2F)	TOC (9060A)							
Y	X	X	X	1	1	1	1	1	1	1	1	1	1	1	1	13	0240, 41		
Y	4	4	1	1	1	1	1	1	1	1	1	1	1	1	13	7343			
																74			

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

Collection		Matrix	Grab/Comp	Sample #	Sample ID Description	Filtered?	Fill in Spaces with Bottles per Test										Total # Containers	Designated MS/MSD	CT Lab ID # Lab use only
Date	Time						1	2	3	4	5	6	7	8	9	10			
12/1/21	1606	GW	Grab		MW-12D	Y	X	X	X	1	1	1	1	1	1	1	13	0240, 41	
12/1/21	1630	GW	Grab		MW-12G	Y	4	4	1	1	1	1	1	1	1	1	13	7343	
					TREP BLANK													74	

Relinquished By: Logan Crowley
 Received by:

Date/Time: 12-1-21 1740
 Date/Time:

Received By: [Signature]
 Received for Laboratory by: [Signature]
 166179 - Page 118 of 121

Date/Time: 12/2/21 1025
 Date/Time: 12/2/21 1110

Lab Use Only
 Ice Present: Yes No 27
 Temp: L.S.O IR Gun
 Cooler #: 6625458, 0219

Cooler Receipt Form


Ice Present YES NO
Observed Temperature 4.9
Actual Temperature 4.9
IR Gun # 27
Initials EMC
Date 12/1/21 Time 1025
Cooler #: 6662

CUSTODY SEAL
DATE 12-1-21
SIGNATURE John Crowley
QEC
Quality Environmental Containers
800-255-3950 • www.qecusa.com

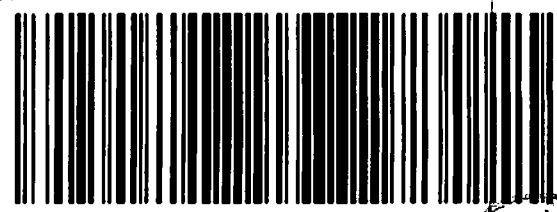
JIM LINDEMANN
HYDE ENVIRONMENTAL
W175 N11163 STONEWOOD DRIVE
GERMANTOWN WI 53022

50 LBS
RS

SHIP TO:
SHIPPING DEPT
(608) 356 - 2760
CT LABS
1230 LANGE CT
BARABOO WI 53913

WI 539 0 - 10


UPS GROUND
TRACKING #: 1Z 1A3 77E 9D 4805 7825



BILLING: P/P
DESC: ENVIRONMENTAL SAMPLES
RETURN SERVICE



WB 24.0.24 Zebra ZP 450 470 11/21

Cooler Receipt Form

Ice Present YES NO

Observed Temperature 4.8

Actual Temperature 4.8

IR Gun # 27

Initials EM

Date 12/1/21 Time 10:25

Cooler #: 5488

CUSTODY SEAL
DATE 12-1-21
SIGNATURE Joyan Crowley

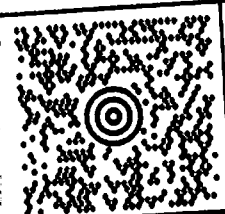
QEC
Quality Environmental Containers
800-255-3960 • www.qecusa.com

M LINDEMANN
YDE ENVIRONMENTAL
1175 N11163 STONEWOOD DRIVE
ERMANTOWN WI 53022

50 LBS

RS

SHIP TO:
SHIPPING DEPT
(608) 356-2760
CT LABS
1230 LANGE CT
BARABOO WI 53913



WI 539 0-10



UPS GROUND
TRACKING #: 1Z 1A3 77E 90 4605 2011



BILLING: P/P
DESC: ENVIRONMENTAL SAMPLES
RETURN SERVICE



WB 24.0.24 Zebra ZP 480 87.0A 112823

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Cooler Receipt Form

Ice Present

YES NO *use*

Observed Temperature

5.8 4.3

Actual Temperature

5.8 4.3

IR Gun #

27

Initials

ELC

Date

12/21/21

Time

10:05

Cooler #:

6218

CUSTODY SEAL
DATE 12-21-21
SIGNATURE J. Egan Cransley
QEC
Quality Environmental Containers
800-255-3950 • WWW.QEUSA.COM

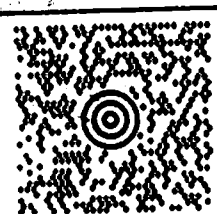
JIM LINDEMANN
HYDE ENVIRONMENTAL
W 175 N11163 STONEWOOD DRIVE
GERMANTOWN WI 53022

50 LBS

RS

SHIP TO:

SHIPPING DEPT
(608) 356-2760
CT LABS
1230 LANGE CT
BARABOO WI 53913

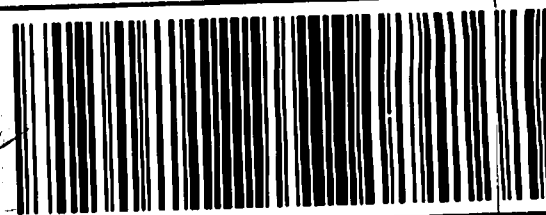


WI 539 0-10



UPS GROUND

TRACKING #: 1Z 1A3 77E 90 4607 1232

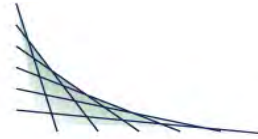


BILLING: P/P
DESC: ENVIRONMENTAL SAMPLES
RETURN SERVICE



WS 24.0.24 Zebra ZP 450 47.0A 11/2021

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ANALYTICAL REPORT

This report at a minimum contains the following information:

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

ANALYTICAL REPORT

HYDE ENVIRONMENTAL, INC.
 JIM LINDEMANN
 W175 N11163 STONEWOOD DRIVE
 SUITE 110
 GERMANTOWN, WI 53022-6501

Project Name: OEC SUPERFUND WI
 Project Phase: ASHIPUN, WI
 Contract #: 3451
 Project #:
 Folder #: 166228
 Purchase Order #:

Page 1 of 60
 Arrival Temperature: 3.7
 Report Date: 12/22/2021
 Date Received: 12/3/2021
 Reprint Date: 12/22/2021

CT LAB Sample#: 1080701	Sample Description: MW-105S	License/Well #: 04189/043	Sampled: 12/2/2021 07:00
-------------------------	-----------------------------	---------------------------	--------------------------

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Dissolved Oxygen (Field)	1.51	mg/L			1			12/2/2021 00:00	SUB	FIELD
Depth to Groundwater (Field)	5.19	Feet			1			12/2/2021 00:00	SUB	FIELD
OX/REDOX (Field)	24.3	MV			1			12/2/2021 00:00	SUB	FIELD
Color (Field)	CLEAR		N/A	N/A	1			12/2/2021 00:00	SUB	FIELD
Conductivity (Field)	3367.4	umhos/cm			1			12/2/2021 00:00	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			12/2/2021 00:00	SUB	FIELD
pH (Field)	7.47	S.U.			1			12/2/2021 00:00	SUB	FIELD
Temperature (Field)	10.18	Deg. C			1			12/2/2021 00:00	SUB	FIELD
Turbidity (Field)	206.71	NTU	N/A	N/A	1			12/2/2021 00:00	SUB	FIELD
Inorganic Results										
Alkalinity Total	370	mg/L	21	70	1			12/7/2021 11:51	lay	EPA 310.2
Total Sulfide	<1.0	mg/L	1.0		1			12/9/2021 10:10	ATJ	SM 4500-S2F
Nitrate Nitrogen Total	<0.12	mg/L	0.12	0.40	1			12/3/2021 14:08	TMG	EPA 9056A
Total Chloride	910	mg/L	50	160	50			12/6/2021 08:27	TMG	EPA 9056A
Total Sulfate	56	mg/L	0.80	2.5	1			12/3/2021 14:08	TMG	EPA 9056A

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

CT LAB Sample#: 1080701 Sample Description: MW-105S License/Well #: 04189/043 Sampled: 12/2/2021 07:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Total Organic Carbon	4.1	mg/L	0.4	1.3	1			12/8/2021 10:10	KMT	EPA 9060A
Metals Results										
Total Iron	6.54	mg/L	0.033	0.11	1		12/6/2021 09:57	12/8/2021 01:46	NAH	EPA 6010C
Total Manganese	402	ug/L	1.5	5.0	1		12/6/2021 09:57	12/8/2021 01:46	NAH	EPA 6010C
Organic Results										
Ethane	<0.38	ug/L	0.38	1.3	1		12/6/2021 08:16	12/9/2021 12:13	KMT	RSK 175
Ethene	<0.59	ug/L	0.59	2.0	1		12/6/2021 08:16	12/9/2021 12:13	KMT	RSK 175
Methane	110	ug/L	4.5	15	10	M,Y	12/6/2021 08:16	12/9/2021 12:17	KMT	RSK 175
1,1,1,2-Tetrachloroethane	<0.26	ug/L	0.26	2.0	20			12/11/2021 13:21	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.26	ug/L	0.26	2.0	20			12/11/2021 13:21	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.30	ug/L	0.30	2.0	20			12/11/2021 13:21	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.72	ug/L	0.72	4.0	20			12/11/2021 13:21	RLD	EPA 8260C
1,1-Dichloroethane	1.9	ug/L	0.34 *	2.0	20			12/11/2021 13:21	RLD	EPA 8260C
1,1-Dichloroethene	0.92	ug/L	0.48 *	2.0	20			12/11/2021 13:21	RLD	EPA 8260C
1,1-Dichloropropene	<1.5	ug/L	1.5	4.0	20			12/11/2021 13:21	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.38	ug/L	0.38	2.0	20			12/11/2021 13:21	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.62	ug/L	0.62	4.0	20			12/11/2021 13:21	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.44	ug/L	0.44	2.0	20			12/11/2021 13:21	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.22	ug/L	0.22	2.0	20			12/11/2021 13:21	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<2.4	ug/L	2.4	8.0	20			12/11/2021 13:21	RLD	EPA 8260C
1,2-Dibromoethane	<0.58	ug/L	0.58	4.0	20			12/11/2021 13:21	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.32	ug/L	0.32	2.0	20			12/11/2021 13:21	RLD	EPA 8260C
1,2-Dichloroethane	<0.34	ug/L	0.34	2.0	20			12/11/2021 13:21	RLD	EPA 8260C
1,2-Dichloropropane	<0.26	ug/L	0.26	2.0	20			12/11/2021 13:21	RLD	EPA 8260C

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

CT LAB Sample#: 1080701 Sample Description: MW-105S License/Well #: 04189/043 Sampled: 12/2/2021 07:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3,5-Trimethylbenzene	<0.26	ug/L	0.26	2.0	20			12/11/2021 13:21	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.26	ug/L	0.26	2.0	20			12/11/2021 13:21	RLD	EPA 8260C
1,3-Dichloropropane	<0.40	ug/L	0.40	2.0	20			12/11/2021 13:21	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.34	ug/L	0.34	2.0	20			12/11/2021 13:21	RLD	EPA 8260C
2,2-Dichloropropane	<1.5	ug/L	1.5	6.0	20	Y		12/11/2021 13:21	RLD	EPA 8260C
2-Butanone	<6.2	ug/L	6.2	40	20			12/11/2021 13:21	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	2.0	20			12/11/2021 13:21	RLD	EPA 8260C
2-Hexanone	<3.0	ug/L	3.0	20	20			12/11/2021 13:21	RLD	EPA 8260C
4-Chlorotoluene	<0.26	ug/L	0.26	2.0	20			12/11/2021 13:21	RLD	EPA 8260C
4-Methyl-2-pentanone	<3.8	ug/L	3.8	20	20			12/11/2021 13:21	RLD	EPA 8260C
Acetone	37	ug/L	17 *	80	20	B		12/11/2021 13:21	RLD	EPA 8260C
Benzene	<0.44	ug/L	0.44	2.0	20			12/11/2021 13:21	RLD	EPA 8260C
Bromobenzene	<0.36	ug/L	0.36	2.0	20			12/11/2021 13:21	RLD	EPA 8260C
Bromochloromethane	<0.68	ug/L	0.68	4.0	20			12/11/2021 13:21	RLD	EPA 8260C
Bromodichloromethane	<0.38	ug/L	0.38	2.0	20			12/11/2021 13:21	RLD	EPA 8260C
Bromoform	<0.82	ug/L	0.82	4.0	20			12/11/2021 13:21	RLD	EPA 8260C
Bromomethane	<1.0	ug/L	1.0	4.0	20	Z		12/11/2021 13:21	RLD	EPA 8260C
Carbon disulfide	<2.2	ug/L	2.2	8.0	20			12/11/2021 13:21	RLD	EPA 8260C
Carbon tetrachloride	<0.36	ug/L	0.36	2.0	20			12/11/2021 13:21	RLD	EPA 8260C
Chlorobenzene	<0.26	ug/L	0.26	2.0	20			12/11/2021 13:21	RLD	EPA 8260C
Chloroethane	<8.0	ug/L	8.0	30	20			12/11/2021 13:21	RLD	EPA 8260C
Chloroform	<0.32	ug/L	0.32	2.0	20			12/11/2021 13:21	RLD	EPA 8260C
Chloromethane	<0.90	ug/L	0.90	4.0	20			12/11/2021 13:21	RLD	EPA 8260C
cis-1,2-Dichloroethene	360	ug/L	4.6	20	200			12/11/2021 07:02	TMG	EPA 8260C
cis-1,3-Dichloropropene	<0.28	ug/L	0.28	2.0	20			12/11/2021 13:21	RLD	EPA 8260C

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

CT LAB Sample#: 1080701 Sample Description: MW-105S License/Well #: 04189/043 Sampled: 12/2/2021 07:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromochloromethane	<0.32	ug/L	0.32	2.0	20			12/11/2021 13:21	RLD	EPA 8260C
Dibromomethane	<0.36	ug/L	0.36	2.0	20			12/11/2021 13:21	RLD	EPA 8260C
Dichlorodifluoromethane	<1.8	ug/L	1.8	6.0	20			12/11/2021 13:21	RLD	EPA 8260C
Diisopropyl ether	<0.3	ug/L	0.3	2	20			12/11/2021 13:21	RLD	EPA 8260C
Ethylbenzene	<0.28	ug/L	0.28	2.0	20			12/11/2021 13:21	RLD	EPA 8260C
Hexachlorobutadiene	<0.54	ug/L	0.54	4.0	20			12/11/2021 13:21	RLD	EPA 8260C
Isopropylbenzene	<0.28	ug/L	0.28	2.0	20			12/11/2021 13:21	RLD	EPA 8260C
m & p-Xylene	<0.44	ug/L	0.44	4.0	20			12/11/2021 13:21	RLD	EPA 8260C
Methyl tert-butyl ether	<0.28	ug/L	0.28	2.0	20			12/11/2021 13:21	RLD	EPA 8260C
Methylene chloride	26	ug/L	1.8	8.0	20	Q,Z,B		12/11/2021 13:21	RLD	EPA 8260C
n-Butylbenzene	<0.42	ug/L	0.42	2.0	20			12/11/2021 13:21	RLD	EPA 8260C
n-Propylbenzene	<0.26	ug/L	0.26	2.0	20			12/11/2021 13:21	RLD	EPA 8260C
Naphthalene	<0.50	ug/L	0.50	2.0	20			12/11/2021 13:21	RLD	EPA 8260C
o-Xylene	<0.32	ug/L	0.32	2.0	20			12/11/2021 13:21	RLD	EPA 8260C
p-Isopropyltoluene	<0.32	ug/L	0.32	2.0	20			12/11/2021 13:21	RLD	EPA 8260C
sec-Butylbenzene	<0.24	ug/L	0.24	2.0	20			12/11/2021 13:21	RLD	EPA 8260C
Styrene	<0.28	ug/L	0.28	2.0	20			12/11/2021 13:21	RLD	EPA 8260C
tert-Butylbenzene	<0.26	ug/L	0.26	2.0	20			12/11/2021 13:21	RLD	EPA 8260C
Tetrachloroethene	<0.56	ug/L	0.56	4.0	20			12/11/2021 13:21	RLD	EPA 8260C
Tetrahydrofuran	<7.6	ug/L	7.6	40	20			12/11/2021 13:21	RLD	EPA 8260C
Toluene	<0.28	ug/L	0.28	2.0	20			12/11/2021 13:21	RLD	EPA 8260C
trans-1,2-Dichloroethene	3.1	ug/L	0.40	2.0	20			12/11/2021 13:21	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	2.0	20			12/11/2021 13:21	RLD	EPA 8260C
Trichloroethene	70	ug/L	0.44	2.0	20			12/11/2021 13:21	RLD	EPA 8260C
Trichlorofluoromethane	<0.66	ug/L	0.66	4.0	20			12/11/2021 13:21	RLD	EPA 8260C

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

CT LAB Sample#: 1080701	Sample Description: MW-105S	License/Well #: 04189/043	Sampled: 12/2/2021 07:00
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Vinyl acetate	<2.8	ug/L	2.8	20	20			12/11/2021 13:21	RLD	EPA 8260C
Vinyl chloride	0.69	ug/L	0.38 *	2.0	20			12/11/2021 13:21	RLD	EPA 8260C
1,4-Dioxane	<140	ug/L	140	460	20			12/11/2021 13:21	RLD	EPA 8260C

CT LAB Sample#: 1080702	Sample Description: MW-105S	License/Well #: 04189/043	Sampled: 12/2/2021 07:00
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Iron	2.15	mg/L	0.027	0.09	1			12/8/2021 09:01	NAH	EPA 6010C
Dissolved Manganese	351	ug/L	1.2	5.0	1			12/8/2021 09:01	NAH	EPA 6010C

CT LAB Sample#: 1080703	Sample Description: MW-3D	License/Well #: 04189/006	Sampled: 12/2/2021 08:00
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Dissolved Oxygen (Field)	1.91	mg/L			1			12/2/2021 00:00	SUB	FIELD
Depth to Groundwater (Field)	7.14	Feet			1			12/2/2021 00:00	SUB	FIELD
OX/REDOX (Field)	3.4	MV			1			12/2/2021 00:00	SUB	FIELD
Color (Field)	CLEAR		N/A	N/A	1			12/2/2021 00:00	SUB	FIELD
Conductivity (Field)	1090.5	umhos/cm			1			12/2/2021 00:00	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			12/2/2021 00:00	SUB	FIELD
pH (Field)	7.69	S.U.			1			12/2/2021 00:00	SUB	FIELD
Temperature (Field)	10.83	Deg. C			1			12/2/2021 00:00	SUB	FIELD
Turbidity (Field)	269.84	NTU	N/A	N/A	1			12/2/2021 00:00	SUB	FIELD

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

CT LAB Sample#: 1080703 Sample Description: MW-3D License/Well #: 04189/006 Sampled: 12/2/2021 08:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Alkalinity Total	330	mg/L	21	70	1			12/7/2021 11:52	lay	EPA 310.2
Total Sulfide	<1.0	mg/L	1.0		1			12/9/2021 10:10	ATJ	SM 4500-S2F
Nitrate Nitrogen Total	<0.12	mg/L	0.12	0.40	1			12/3/2021 14:29	TMG	EPA 9056A
Total Chloride	210	mg/L	10	32	10			12/6/2021 08:47	TMG	EPA 9056A
Total Sulfate	42	mg/L	0.80	2.5	1			12/3/2021 14:29	TMG	EPA 9056A
Total Organic Carbon	0.89	mg/L	0.4 *	1.3	1			12/8/2021 10:58	KMT	EPA 9060A
Metals Results										
Total Iron	0.428	mg/L	0.033	0.11	1		12/6/2021 09:57	12/8/2021 02:17	NAH	EPA 6010C
Total Manganese	72.2	ug/L	1.5	5.0	1		12/6/2021 09:57	12/8/2021 02:17	NAH	EPA 6010C
Organic Results										
Ethane	<0.38	ug/L	0.38	1.3	1		12/6/2021 08:16	12/9/2021 12:32	KMT	RSK 175
Ethene	<0.59	ug/L	0.59	2.0	1		12/6/2021 08:16	12/9/2021 12:32	KMT	RSK 175
Methane	9.9	ug/L	0.45	1.5	1		12/6/2021 08:16	12/9/2021 12:32	KMT	RSK 175
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			12/10/2021 23:24	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			12/10/2021 23:24	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			12/10/2021 23:24	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			12/10/2021 23:24	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/10/2021 23:24	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			12/10/2021 23:24	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			12/10/2021 23:24	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			12/10/2021 23:24	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			12/10/2021 23:24	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			12/10/2021 23:24	RLD	EPA 8260C

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

CT LAB Sample#: 1080703 Sample Description: MW-3D License/Well #: 04189/006 Sampled: 12/2/2021 08:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2,4-Trimethylbenzene	0.011	ug/L	0.011 *	0.10	1		12/10/2021 23:24	12/10/2021 23:24	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1		12/10/2021 23:24	12/10/2021 23:24	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1		12/10/2021 23:24	12/10/2021 23:24	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1		12/10/2021 23:24	12/10/2021 23:24	RLD	EPA 8260C
1,2-Dichloroethane	0.042	ug/L	0.017 *	0.10	1		12/10/2021 23:24	12/10/2021 23:24	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1		12/10/2021 23:24	12/10/2021 23:24	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1		12/10/2021 23:24	12/10/2021 23:24	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1		12/10/2021 23:24	12/10/2021 23:24	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1		12/10/2021 23:24	12/10/2021 23:24	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1		12/10/2021 23:24	12/10/2021 23:24	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1	Y	12/10/2021 23:24	12/10/2021 23:24	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1		12/10/2021 23:24	12/10/2021 23:24	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1		12/10/2021 23:24	12/10/2021 23:24	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1		12/10/2021 23:24	12/10/2021 23:24	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1		12/10/2021 23:24	12/10/2021 23:24	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1		12/10/2021 23:24	12/10/2021 23:24	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1		12/10/2021 23:24	12/10/2021 23:24	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1		12/10/2021 23:24	12/10/2021 23:24	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1		12/10/2021 23:24	12/10/2021 23:24	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1		12/10/2021 23:24	12/10/2021 23:24	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1		12/10/2021 23:24	12/10/2021 23:24	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1		12/10/2021 23:24	12/10/2021 23:24	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1	Z	12/10/2021 23:24	12/10/2021 23:24	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1		12/10/2021 23:24	12/10/2021 23:24	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1		12/10/2021 23:24	12/10/2021 23:24	RLD	EPA 8260C

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

CT LAB Sample#: 1080703

Sample Description: MW-3D

License/Well #: 04189/006

Sampled: 12/2/2021 08:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Chlorobenzene	<0.013	ug/L	0.013	0.10	1		12/10/2021	23:24	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1		12/10/2021	23:24	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1		12/10/2021	23:24	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1		12/10/2021	23:24	RLD	EPA 8260C
cis-1,2-Dichloroethene	2.6	ug/L	0.023	0.10	1		12/10/2021	23:24	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1		12/10/2021	23:24	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1		12/10/2021	23:24	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1		12/10/2021	23:24	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1		12/10/2021	23:24	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1		12/10/2021	23:24	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1		12/10/2021	23:24	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1		12/10/2021	23:24	RLD	EPA 8260C
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1		12/10/2021	23:24	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1		12/10/2021	23:24	RLD	EPA 8260C
Methyl tert-butyl ether	0.99	ug/L	0.014	0.10	1		12/10/2021	23:24	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1		12/10/2021	23:24	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1		12/10/2021	23:24	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1		12/10/2021	23:24	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1		12/10/2021	23:24	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1		12/10/2021	23:24	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1		12/10/2021	23:24	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1		12/10/2021	23:24	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1		12/10/2021	23:24	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1		12/10/2021	23:24	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1		12/10/2021	23:24	RLD	EPA 8260C

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

CT LAB Sample#: 1080703	Sample Description: MW-3D	License/Well #: 04189/006	Sampled: 12/2/2021 08:00
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			12/10/2021 23:24	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			12/10/2021 23:24	RLD	EPA 8260C
trans-1,2-Dichloroethene	0.057	ug/L	0.020 *	0.10	1			12/10/2021 23:24	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			12/10/2021 23:24	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			12/10/2021 23:24	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			12/10/2021 23:24	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			12/10/2021 23:24	RLD	EPA 8260C
Vinyl chloride	0.075	ug/L	0.019 *	0.10	1			12/10/2021 23:24	RLD	EPA 8260C
1,4-Dioxane	33	ug/L	7.0	23	1			12/10/2021 23:24	RLD	EPA 8260C

CT LAB Sample#: 1080704	Sample Description: MW-3D	License/Well #: 04189/006	Sampled: 12/2/2021 08:00
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Iron	0.363	mg/L	0.027	0.09	1			12/8/2021 09:45	NAH	EPA 6010C
Dissolved Manganese	64.1	ug/L	1.2	5.0	1			12/8/2021 09:45	NAH	EPA 6010C

CT LAB Sample#: 1080705	Sample Description: MW-4S	License/Well #: 04189/007	Sampled: 12/2/2021 09:00
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Dissolved Oxygen (Field)	2.52	mg/L			1			12/2/2021 00:00	SUB	FIELD
Depth to Groundwater (Field)	9.22	Feet			1			12/2/2021 00:00	SUB	FIELD
OX/REDOX (Field)	37.2	MV			1			12/2/2021 00:00	SUB	FIELD

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

CT LAB Sample#: 1080705	Sample Description: MW-4S	License/Well #: 04189/007	Sampled: 12/2/2021 09:00
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Color (Field)	CLEAR		N/A	N/A	1			12/2/2021 00:00	SUB	FIELD
Conductivity (Field)	2276.40	umhos/cm			1			12/2/2021 00:00	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			12/2/2021 00:00	SUB	FIELD
pH (Field)	7.32	S.U.			1			12/2/2021 00:00	SUB	FIELD
Temperature (Field)	12.76	Deg. C			1			12/2/2021 00:00	SUB	FIELD
Turbidity (Field)	261.64	NTU	N/A	N/A	1			12/2/2021 00:00	SUB	FIELD
Inorganic Results										
Alkalinity Total	330	mg/L	21	70	1			12/7/2021 11:55	lay	EPA 310.2
Total Sulfide	<1.0	mg/L	1.0		1			12/9/2021 10:10	ATJ	SM 4500-S2F
Nitrate Nitrogen Total	<0.12	mg/L	0.12	0.40	1			12/3/2021 14:50	TMG	EPA 9056A
Total Chloride	520	mg/L	50	160	50			12/6/2021 09:08	TMG	EPA 9056A
Total Sulfate	91	mg/L	4.0	13	5			12/3/2021 20:42	TMG	EPA 9056A
Total Organic Carbon	2.0	mg/L	0.4	1.3	1			12/8/2021 11:12	KMT	EPA 9060A
Metals Results										
Total Iron	0.34	mg/L	0.033	0.11	1		12/6/2021 09:57	12/8/2021 02:25	NAH	EPA 6010C
Total Manganese	465	ug/L	1.5	5.0	1		12/6/2021 09:57	12/8/2021 02:25	NAH	EPA 6010C
Organic Results										
Ethane	<0.38	ug/L	0.38	1.3	1		12/6/2021 08:16	12/9/2021 12:38	KMT	RSK 175
Ethene	<0.59	ug/L	0.59	2.0	1		12/6/2021 08:16	12/9/2021 12:38	KMT	RSK 175
Methane	0.82	ug/L	0.45 *	1.5	1		12/6/2021 08:16	12/9/2021 12:38	KMT	RSK 175
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			12/10/2021 23:52	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			12/10/2021 23:52	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			12/10/2021 23:52	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			12/10/2021 23:52	RLD	EPA 8260C

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

CT LAB Sample#: 1080705 Sample Description: MW-4S License/Well #: 04189/007 Sampled: 12/2/2021 09:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/10/2021 23:52	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			12/10/2021 23:52	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			12/10/2021 23:52	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			12/10/2021 23:52	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			12/10/2021 23:52	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			12/10/2021 23:52	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			12/10/2021 23:52	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			12/10/2021 23:52	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			12/10/2021 23:52	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			12/10/2021 23:52	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/10/2021 23:52	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			12/10/2021 23:52	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			12/10/2021 23:52	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			12/10/2021 23:52	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			12/10/2021 23:52	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			12/10/2021 23:52	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1	Y		12/10/2021 23:52	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			12/10/2021 23:52	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			12/10/2021 23:52	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			12/10/2021 23:52	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			12/10/2021 23:52	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			12/10/2021 23:52	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			12/10/2021 23:52	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			12/10/2021 23:52	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			12/10/2021 23:52	RLD	EPA 8260C

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

CT LAB Sample#: 1080705 Sample Description: MW-4S License/Well #: 04189/007 Sampled: 12/2/2021 09:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			12/10/2021 23:52	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			12/10/2021 23:52	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			12/10/2021 23:52	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1	Z		12/10/2021 23:52	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			12/10/2021 23:52	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			12/10/2021 23:52	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			12/10/2021 23:52	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			12/10/2021 23:52	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			12/10/2021 23:52	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			12/10/2021 23:52	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1			12/10/2021 23:52	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			12/10/2021 23:52	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			12/10/2021 23:52	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			12/10/2021 23:52	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			12/10/2021 23:52	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			12/10/2021 23:52	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			12/10/2021 23:52	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			12/10/2021 23:52	RLD	EPA 8260C
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1			12/10/2021 23:52	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			12/10/2021 23:52	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			12/10/2021 23:52	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			12/10/2021 23:52	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			12/10/2021 23:52	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			12/10/2021 23:52	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			12/10/2021 23:52	RLD	EPA 8260C

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

CT LAB Sample#: 1080705	Sample Description: MW-4S	License/Well #: 04189/007	Sampled: 12/2/2021 09:00
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
o-Xylene	<0.016	ug/L	0.016	0.10	1		12/10/2021	23:52	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1		12/10/2021	23:52	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1		12/10/2021	23:52	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1		12/10/2021	23:52	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1		12/10/2021	23:52	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1		12/10/2021	23:52	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1		12/10/2021	23:52	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1		12/10/2021	23:52	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1		12/10/2021	23:52	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1		12/10/2021	23:52	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1		12/10/2021	23:52	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1		12/10/2021	23:52	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1		12/10/2021	23:52	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1		12/10/2021	23:52	RLD	EPA 8260C
1,4-Dioxane	21	ug/L	7.0 *	23	1		12/10/2021	23:52	RLD	EPA 8260C

CT LAB Sample#: 1080706	Sample Description: MW-4S	License/Well #: 04189/007	Sampled: 12/2/2021 09:00
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Iron	<0.027	mg/L	0.027	0.09	1		12/8/2021	09:53	NAH	EPA 6010C
Dissolved Manganese	80.5	ug/L	1.2	5.0	1		12/8/2021	09:53	NAH	EPA 6010C

CT LAB Sample#: 1080707 Sample Description: MW-14DR License/Well #: 04189/050 Sampled: 12/2/2021 09:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Dissolved Oxygen (Field)	1.94	mg/L			1			12/2/2021 00:00	SUB	FIELD
Depth to Groundwater (Field)	6.16	Feet			1			12/2/2021 00:00	SUB	FIELD
OX/REDOX (Field)	50.8	MV			1			12/2/2021 00:00	SUB	FIELD
Color (Field)	CLEAR		N/A	N/A	1			12/2/2021 00:00	SUB	FIELD
Conductivity (Field)	991.32	umhos/cm			1			12/2/2021 00:00	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			12/2/2021 00:00	SUB	FIELD
pH (Field)	7.64	S.U.			1			12/2/2021 00:00	SUB	FIELD
Temperature (Field)	12.14	Deg. C			1			12/2/2021 00:00	SUB	FIELD
Turbidity (Field)	210.38	NTU	N/A	N/A	1			12/2/2021 00:00	SUB	FIELD
Inorganic Results										
Alkalinity Total	260	mg/L	21	70	1			12/7/2021 11:56	lay	EPA 310.2
Total Sulfide	<1.0	mg/L	1.0		1			12/9/2021 10:10	ATJ	SM 4500-S2F
Nitrate Nitrogen Total	0.60	mg/L	0.12	0.40	1			12/3/2021 15:10	TMG	EPA 9056A
Total Chloride	190	mg/L	5.0	16	5			12/3/2021 21:02	TMG	EPA 9056A
Total Sulfate	43	mg/L	0.80	2.5	1			12/3/2021 15:10	TMG	EPA 9056A
Total Organic Carbon	0.88	mg/L	0.4 *	1.3	1			12/8/2021 11:23	KMT	EPA 9060A
Metals Results										
Total Iron	0.107	mg/L	0.033 *	0.11	1		12/6/2021 09:57	12/8/2021 02:33	NAH	EPA 6010C
Total Manganese	315	ug/L	1.5	5.0	1		12/6/2021 09:57	12/8/2021 02:33	NAH	EPA 6010C
Organic Results										
Ethane	<0.38	ug/L	0.38	1.3	1		12/6/2021 08:16	12/9/2021 12:41	KMT	RSK 175
Ethene	<0.59	ug/L	0.59	2.0	1		12/6/2021 08:16	12/9/2021 12:41	KMT	RSK 175
Methane	1.8	ug/L	0.45	1.5	1		12/6/2021 08:16	12/9/2021 12:41	KMT	RSK 175

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

CT LAB Sample#: 1080707 Sample Description: MW-14DR License/Well #: 04189/050 Sampled: 12/2/2021 09:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			12/11/2021 00:21	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			12/11/2021 00:21	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			12/11/2021 00:21	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			12/11/2021 00:21	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/11/2021 00:21	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			12/11/2021 00:21	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			12/11/2021 00:21	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			12/11/2021 00:21	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			12/11/2021 00:21	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			12/11/2021 00:21	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			12/11/2021 00:21	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			12/11/2021 00:21	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			12/11/2021 00:21	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			12/11/2021 00:21	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/11/2021 00:21	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			12/11/2021 00:21	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			12/11/2021 00:21	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			12/11/2021 00:21	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			12/11/2021 00:21	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			12/11/2021 00:21	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1	Y		12/11/2021 00:21	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			12/11/2021 00:21	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			12/11/2021 00:21	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			12/11/2021 00:21	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			12/11/2021 00:21	RLD	EPA 8260C

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

CT LAB Sample#: 1080707

Sample Description: MW-14DR

License/Well #: 04189/050

Sampled: 12/2/2021 09:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			12/11/2021 00:21	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			12/11/2021 00:21	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			12/11/2021 00:21	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			12/11/2021 00:21	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			12/11/2021 00:21	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			12/11/2021 00:21	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			12/11/2021 00:21	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1	Z		12/11/2021 00:21	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			12/11/2021 00:21	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			12/11/2021 00:21	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			12/11/2021 00:21	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			12/11/2021 00:21	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			12/11/2021 00:21	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			12/11/2021 00:21	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1			12/11/2021 00:21	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			12/11/2021 00:21	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			12/11/2021 00:21	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			12/11/2021 00:21	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			12/11/2021 00:21	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			12/11/2021 00:21	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			12/11/2021 00:21	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			12/11/2021 00:21	RLD	EPA 8260C
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1			12/11/2021 00:21	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			12/11/2021 00:21	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			12/11/2021 00:21	RLD	EPA 8260C

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

CT LAB Sample#: 1080707 Sample Description: MW-14DR License/Well #: 04189/050 Sampled: 12/2/2021 09:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Methylene chloride	<0.090	ug/L	0.090	0.40	1			12/11/2021 00:21	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			12/11/2021 00:21	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			12/11/2021 00:21	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			12/11/2021 00:21	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			12/11/2021 00:21	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			12/11/2021 00:21	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			12/11/2021 00:21	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			12/11/2021 00:21	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			12/11/2021 00:21	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			12/11/2021 00:21	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			12/11/2021 00:21	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			12/11/2021 00:21	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			12/11/2021 00:21	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			12/11/2021 00:21	RLD	EPA 8260C
Trichloroethene	0.083	ug/L	0.022 *	0.10	1			12/11/2021 00:21	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			12/11/2021 00:21	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			12/11/2021 00:21	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			12/11/2021 00:21	RLD	EPA 8260C
1,4-Dioxane	<7.0	ug/L	7.0	23	1			12/11/2021 00:21	RLD	EPA 8260C

CT LAB Sample#: 1080708 Sample Description: MW-14DR License/Well #: 04189/050 Sampled: 12/2/2021 09:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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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#: 1080708	Sample Description: MW-14DR	License/Well #: 04189/050	Sampled: 12/2/2021 09:30
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dissolved Iron	<0.027	mg/L	0.027	0.09	1			12/8/2021 10:01	NAH	EPA 6010C
Dissolved Manganese	95.9	ug/L	1.2	5.0	1			12/8/2021 10:01	NAH	EPA 6010C

CT LAB Sample#: 1080709	Sample Description: MW-101S	License/Well #: 04189/035	Sampled: 12/2/2021 10:30
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Field Results

Dissolved Oxygen (Field)	3.17	mg/L			1			12/2/2021 00:00	SUB	FIELD
Depth to Groundwater (Field)	6.01	Feet			1			12/2/2021 00:00	SUB	FIELD
OX/REDOX (Field)	79.6	MV			1			12/2/2021 00:00	SUB	FIELD
Color (Field)	CLEAR		N/A	N/A	1			12/2/2021 00:00	SUB	FIELD
Conductivity (Field)	1658	umhos/cm			1			12/2/2021 00:00	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			12/2/2021 00:00	SUB	FIELD
pH (Field)	7.47	S.U.			1			12/2/2021 00:00	SUB	FIELD
Temperature (Field)	12.77	Deg. C			1			12/2/2021 00:00	SUB	FIELD
Turbidity (Field)	167.44	NTU	N/A	N/A	1			12/2/2021 00:00	SUB	FIELD

Inorganic Results

Alkalinity Total	380	mg/L	21	70	1			12/7/2021 11:57	lay	EPA 310.2
Total Sulfide	<1.0	mg/L	1.0		1			12/9/2021 10:10	ATJ	SM 4500-S2F
Nitrate Nitrogen Total	0.25	mg/L	0.12 *	0.40	1			12/3/2021 15:31	TMG	EPA 9056A
Total Chloride	420	mg/L	20	64	20			12/6/2021 09:29	TMG	EPA 9056A
Total Sulfate	35	mg/L	0.80	2.5	1			12/3/2021 15:31	TMG	EPA 9056A
Total Organic Carbon	4.2	mg/L	0.4	1.3	1			12/8/2021 11:34	KMT	EPA 9060A

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#: 1080709 Sample Description: MW-101S License/Well #: 04189/035 Sampled: 12/2/2021 10:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Total Iron	0.568	mg/L	0.033	0.11	1		12/6/2021 09:57	12/8/2021 03:02	NAH	EPA 6010C
Total Manganese	1830	ug/L	1.5	5.0	1		12/6/2021 09:57	12/8/2021 03:02	NAH	EPA 6010C
Organic Results										
Ethane	<0.38	ug/L	0.38	1.3	1		12/6/2021 08:16	12/9/2021 12:45	KMT	RSK 175
Ethene	<0.59	ug/L	0.59	2.0	1		12/6/2021 08:16	12/9/2021 12:45	KMT	RSK 175
Methane	<0.45	ug/L	0.45	1.5	1		12/6/2021 08:16	12/9/2021 12:45	KMT	RSK 175
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			12/11/2021 00:49	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			12/11/2021 00:49	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			12/11/2021 00:49	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			12/11/2021 00:49	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/11/2021 00:49	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			12/11/2021 00:49	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			12/11/2021 00:49	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			12/11/2021 00:49	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			12/11/2021 00:49	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			12/11/2021 00:49	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			12/11/2021 00:49	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			12/11/2021 00:49	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			12/11/2021 00:49	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			12/11/2021 00:49	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/11/2021 00:49	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			12/11/2021 00:49	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			12/11/2021 00:49	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			12/11/2021 00:49	RLD	EPA 8260C

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

CT LAB Sample#: 1080709 Sample Description: MW-101S License/Well #: 04189/035 Sampled: 12/2/2021 10:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			12/11/2021 00:49	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			12/11/2021 00:49	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1	Y		12/11/2021 00:49	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			12/11/2021 00:49	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			12/11/2021 00:49	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			12/11/2021 00:49	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			12/11/2021 00:49	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			12/11/2021 00:49	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			12/11/2021 00:49	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			12/11/2021 00:49	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			12/11/2021 00:49	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			12/11/2021 00:49	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			12/11/2021 00:49	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			12/11/2021 00:49	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1	Z		12/11/2021 00:49	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			12/11/2021 00:49	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			12/11/2021 00:49	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			12/11/2021 00:49	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			12/11/2021 00:49	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			12/11/2021 00:49	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			12/11/2021 00:49	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1			12/11/2021 00:49	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			12/11/2021 00:49	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			12/11/2021 00:49	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			12/11/2021 00:49	RLD	EPA 8260C

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

CT LAB Sample#: 1080709 Sample Description: MW-101S License/Well #: 04189/035 Sampled: 12/2/2021 10:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1		12/11/2021 00:49	12/11/2021 00:49	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1		12/11/2021 00:49	12/11/2021 00:49	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1		12/11/2021 00:49	12/11/2021 00:49	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1		12/11/2021 00:49	12/11/2021 00:49	RLD	EPA 8260C
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1		12/11/2021 00:49	12/11/2021 00:49	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1		12/11/2021 00:49	12/11/2021 00:49	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1		12/11/2021 00:49	12/11/2021 00:49	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1		12/11/2021 00:49	12/11/2021 00:49	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1		12/11/2021 00:49	12/11/2021 00:49	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1		12/11/2021 00:49	12/11/2021 00:49	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1		12/11/2021 00:49	12/11/2021 00:49	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1		12/11/2021 00:49	12/11/2021 00:49	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1		12/11/2021 00:49	12/11/2021 00:49	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1		12/11/2021 00:49	12/11/2021 00:49	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1		12/11/2021 00:49	12/11/2021 00:49	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1		12/11/2021 00:49	12/11/2021 00:49	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1		12/11/2021 00:49	12/11/2021 00:49	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1		12/11/2021 00:49	12/11/2021 00:49	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1		12/11/2021 00:49	12/11/2021 00:49	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1		12/11/2021 00:49	12/11/2021 00:49	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1		12/11/2021 00:49	12/11/2021 00:49	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1		12/11/2021 00:49	12/11/2021 00:49	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1		12/11/2021 00:49	12/11/2021 00:49	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1		12/11/2021 00:49	12/11/2021 00:49	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1		12/11/2021 00:49	12/11/2021 00:49	RLD	EPA 8260C

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

CT LAB Sample#: 1080709	Sample Description: MW-101S	License/Well #: 04189/035	Sampled: 12/2/2021 10:30
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,4-Dioxane	17	ug/L	7.0 *	23	1			12/11/2021 00:49	RLD	EPA 8260C

CT LAB Sample#: 1080710	Sample Description: MW-101S	License/Well #: 04189/035	Sampled: 12/2/2021 10:30
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Iron	<0.027	mg/L	0.027	0.09	1			12/8/2021 10:09	NAH	EPA 6010C
Dissolved Manganese	15.0	ug/L	1.2	5.0	1			12/8/2021 10:09	NAH	EPA 6010C

CT LAB Sample#: 1080711	Sample Description: MW-101B	License/Well #: 04189/036	Sampled: 12/2/2021 11:00
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Dissolved Oxygen (Field)	1.8	mg/L			1			12/2/2021 00:00	SUB	FIELD
Depth to Groundwater (Field)	6.11	Feet			1			12/2/2021 00:00	SUB	FIELD
OX/REDOX (Field)	75.2	MV			1			12/2/2021 00:00	SUB	FIELD
Color (Field)	CLEAR		N/A	N/A	1			12/2/2021 00:00	SUB	FIELD
Conductivity (Field)	986.38	umhos/cm			1			12/2/2021 00:00	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			12/2/2021 00:00	SUB	FIELD
pH (Field)	7.67	S.U.			1			12/2/2021 00:00	SUB	FIELD
Temperature (Field)	11.83	Deg. C			1			12/2/2021 00:00	SUB	FIELD
Turbidity (Field)	164.10	NTU	N/A	N/A	1			12/2/2021 00:00	SUB	FIELD
Inorganic Results										
Alkalinity Total	280	mg/L	21	70	1			12/7/2021 11:58	lay	EPA 310.2

CT LAB Sample#: 1080711

Sample Description: MW-101B

License/Well #: 04189/036

Sampled: 12/2/2021 11:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Total Sulfide	<1.0	mg/L	1.0		1			12/9/2021 10:10	ATJ	SM 4500-S2F
Nitrate Nitrogen Total	0.26	mg/L	0.12 *	0.40	1			12/3/2021 15:52	TMG	EPA 9056A
Total Chloride	190	mg/L	5.0	16	5			12/3/2021 22:25	TMG	EPA 9056A
Total Sulfate	24	mg/L	0.80	2.5	1			12/3/2021 15:52	TMG	EPA 9056A
Total Organic Carbon	1.2	mg/L	0.4 *	1.3	1			12/8/2021 11:45	KMT	EPA 9060A
Metals Results										
Total Iron	0.041	mg/L	0.033 *	0.11	1		12/6/2021 09:57	12/8/2021 03:10	NAH	EPA 6010C
Total Manganese	219	ug/L	1.5	5.0	1		12/6/2021 09:57	12/8/2021 03:10	NAH	EPA 6010C
Organic Results										
Ethane	<0.38	ug/L	0.38	1.3	1		12/6/2021 08:16	12/9/2021 12:49	KMT	RSK 175
Ethene	<0.59	ug/L	0.59	2.0	1		12/6/2021 08:16	12/9/2021 12:49	KMT	RSK 175
Methane	2.5	ug/L	0.45	1.5	1		12/6/2021 08:16	12/9/2021 12:49	KMT	RSK 175
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			12/11/2021 01:18	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			12/11/2021 01:18	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			12/11/2021 01:18	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			12/11/2021 01:18	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/11/2021 01:18	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			12/11/2021 01:18	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			12/11/2021 01:18	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			12/11/2021 01:18	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			12/11/2021 01:18	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			12/11/2021 01:18	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			12/11/2021 01:18	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			12/11/2021 01:18	RLD	EPA 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#: 1080711 Sample Description: MW-101B License/Well #: 04189/036 Sampled: 12/2/2021 11:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			12/11/2021 01:18	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			12/11/2021 01:18	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/11/2021 01:18	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			12/11/2021 01:18	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			12/11/2021 01:18	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			12/11/2021 01:18	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			12/11/2021 01:18	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			12/11/2021 01:18	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1	Y		12/11/2021 01:18	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			12/11/2021 01:18	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			12/11/2021 01:18	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			12/11/2021 01:18	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			12/11/2021 01:18	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			12/11/2021 01:18	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			12/11/2021 01:18	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			12/11/2021 01:18	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			12/11/2021 01:18	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			12/11/2021 01:18	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			12/11/2021 01:18	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			12/11/2021 01:18	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1	Z		12/11/2021 01:18	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			12/11/2021 01:18	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			12/11/2021 01:18	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			12/11/2021 01:18	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			12/11/2021 01:18	RLD	EPA 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#: 1080711 Sample Description: MW-101B License/Well #: 04189/036 Sampled: 12/2/2021 11:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Chloroform	<0.016	ug/L	0.016	0.10	1		12/11/2021	01:18	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1		12/11/2021	01:18	RLD	EPA 8260C
cis-1,2-Dichloroethene	0.043	ug/L	0.023 *	0.10	1		12/11/2021	01:18	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1		12/11/2021	01:18	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1		12/11/2021	01:18	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1		12/11/2021	01:18	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1		12/11/2021	01:18	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1		12/11/2021	01:18	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1		12/11/2021	01:18	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1		12/11/2021	01:18	RLD	EPA 8260C
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1		12/11/2021	01:18	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1		12/11/2021	01:18	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1		12/11/2021	01:18	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1		12/11/2021	01:18	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1		12/11/2021	01:18	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1		12/11/2021	01:18	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1		12/11/2021	01:18	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1		12/11/2021	01:18	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1		12/11/2021	01:18	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1		12/11/2021	01:18	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1		12/11/2021	01:18	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1		12/11/2021	01:18	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1		12/11/2021	01:18	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1		12/11/2021	01:18	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1		12/11/2021	01:18	RLD	EPA 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#: 1080711	Sample Description: MW-101B	License/Well #: 04189/036	Sampled: 12/2/2021 11:00
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			12/11/2021 01:18	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			12/11/2021 01:18	RLD	EPA 8260C
Trichloroethene	0.18	ug/L	0.022	0.10	1			12/11/2021 01:18	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			12/11/2021 01:18	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			12/11/2021 01:18	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			12/11/2021 01:18	RLD	EPA 8260C
1,4-Dioxane	11	ug/L	7.0 *	23	1			12/11/2021 01:18	RLD	EPA 8260C

CT LAB Sample#: 1080712	Sample Description: MW-101B	License/Well #: 04189/036	Sampled: 12/2/2021 11:00
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Iron	<0.027	mg/L	0.027	0.09	1			12/8/2021 10:17	NAH	EPA 6010C
Dissolved Manganese	93.9	ug/L	1.2	5.0	1			12/8/2021 10:17	NAH	EPA 6010C

CT LAB Sample#: 1080713	Sample Description: TW-202I	License/Well #: 04189/048	Sampled: 12/2/2021 11:30
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Dissolved Oxygen (Field)	1.52	mg/L			1			12/2/2021 00:00	SUB	FIELD
Depth to Groundwater (Field)	7.92	Feet			1			12/2/2021 00:00	SUB	FIELD
OX/REDOX (Field)	81.4	MV			1			12/2/2021 00:00	SUB	FIELD
Color (Field)	CLEAR		N/A	N/A	1			12/2/2021 00:00	SUB	FIELD
Conductivity (Field)	1018.5	umhos/cm			1			12/2/2021 00:00	SUB	FIELD

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

CT LAB Sample#: 1080713 Sample Description: TW-2021 License/Well #: 04189/048 Sampled: 12/2/2021 11:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Odor (Field)	NONE		N/A	N/A	1			12/2/2021 00:00	SUB	FIELD
pH (Field)	7.63	S.U.			1			12/2/2021 00:00	SUB	FIELD
Temperature (Field)	11.97	Deg. C			1			12/2/2021 00:00	SUB	FIELD
Turbidity (Field)	158.49	NTU	N/A	N/A	1			12/2/2021 00:00	SUB	FIELD
Inorganic Results										
Alkalinity Total	290	mg/L	21	70	1			12/7/2021 12:01	lay	EPA 310.2
Total Sulfide	<1.0	mg/L	1.0		1			12/9/2021 10:10	ATJ	SM 4500-S2F
Nitrate Nitrogen Total	0.25	mg/L	0.12 *	0.40	1			12/3/2021 16:12	TMG	EPA 9056A
Total Chloride	190	mg/L	5.0	16	5			12/3/2021 22:46	TMG	EPA 9056A
Total Sulfate	25	mg/L	0.80	2.5	1			12/3/2021 16:12	TMG	EPA 9056A
Total Organic Carbon	2.4	mg/L	0.4	1.3	1			12/8/2021 12:27	KMT	EPA 9060A
Metals Results										
Total Iron	0.338	mg/L	0.033	0.11	1		12/6/2021 09:57	12/8/2021 03:18	NAH	EPA 6010C
Total Manganese	572	ug/L	1.5	5.0	1		12/6/2021 09:57	12/8/2021 03:18	NAH	EPA 6010C
Organic Results										
Ethane	<0.38	ug/L	0.38	1.3	1		12/6/2021 08:16	12/9/2021 13:07	KMT	RSK 175
Ethene	<0.59	ug/L	0.59	2.0	1		12/6/2021 08:16	12/9/2021 13:07	KMT	RSK 175
Methane	8.6	ug/L	0.45	1.5	1		12/6/2021 08:16	12/9/2021 13:07	KMT	RSK 175
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			12/11/2021 01:46	RLD	EPA 8260C
1,1,1-Trichloroethane	0.14	ug/L	0.013	0.10	1			12/11/2021 01:46	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			12/11/2021 01:46	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			12/11/2021 01:46	RLD	EPA 8260C
1,1-Dichloroethane	0.021	ug/L	0.017 *	0.10	1			12/11/2021 01:46	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			12/11/2021 01:46	RLD	EPA 8260C

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

CT LAB Sample#: 1080713

Sample Description: TW-2021

License/Well #: 04189/048

Sampled: 12/2/2021 11:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			12/11/2021 01:46	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			12/11/2021 01:46	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			12/11/2021 01:46	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			12/11/2021 01:46	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			12/11/2021 01:46	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			12/11/2021 01:46	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			12/11/2021 01:46	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			12/11/2021 01:46	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/11/2021 01:46	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			12/11/2021 01:46	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			12/11/2021 01:46	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			12/11/2021 01:46	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			12/11/2021 01:46	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			12/11/2021 01:46	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1	Y		12/11/2021 01:46	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			12/11/2021 01:46	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			12/11/2021 01:46	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			12/11/2021 01:46	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			12/11/2021 01:46	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			12/11/2021 01:46	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			12/11/2021 01:46	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			12/11/2021 01:46	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			12/11/2021 01:46	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			12/11/2021 01:46	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			12/11/2021 01:46	RLD	EPA 8260C

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

CT LAB Sample#: 1080713

Sample Description: TW-2021

License/Well #: 04189/048

Sampled: 12/2/2021 11:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Bromoform	<0.041	ug/L	0.041	0.20	1		12/11/2021 01:46	12/11/2021 01:46	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1	Z	12/11/2021 01:46	12/11/2021 01:46	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1		12/11/2021 01:46	12/11/2021 01:46	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1		12/11/2021 01:46	12/11/2021 01:46	RLD	EPA 8260C
Chlorobenzene	0.37	ug/L	0.013	0.10	1		12/11/2021 01:46	12/11/2021 01:46	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1		12/11/2021 01:46	12/11/2021 01:46	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1		12/11/2021 01:46	12/11/2021 01:46	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1		12/11/2021 01:46	12/11/2021 01:46	RLD	EPA 8260C
cis-1,2-Dichloroethene	4.2	ug/L	0.023	0.10	1		12/11/2021 01:46	12/11/2021 01:46	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1		12/11/2021 01:46	12/11/2021 01:46	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1		12/11/2021 01:46	12/11/2021 01:46	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1		12/11/2021 01:46	12/11/2021 01:46	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1		12/11/2021 01:46	12/11/2021 01:46	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1		12/11/2021 01:46	12/11/2021 01:46	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1		12/11/2021 01:46	12/11/2021 01:46	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1		12/11/2021 01:46	12/11/2021 01:46	RLD	EPA 8260C
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1		12/11/2021 01:46	12/11/2021 01:46	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1		12/11/2021 01:46	12/11/2021 01:46	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1		12/11/2021 01:46	12/11/2021 01:46	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1		12/11/2021 01:46	12/11/2021 01:46	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1		12/11/2021 01:46	12/11/2021 01:46	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1		12/11/2021 01:46	12/11/2021 01:46	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1		12/11/2021 01:46	12/11/2021 01:46	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1		12/11/2021 01:46	12/11/2021 01:46	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1		12/11/2021 01:46	12/11/2021 01:46	RLD	EPA 8260C

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

CT LAB Sample#: 1080713	Sample Description: TW-2021	License/Well #: 04189/048	Sampled: 12/2/2021 11:30
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			12/11/2021 01:46	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			12/11/2021 01:46	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			12/11/2021 01:46	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			12/11/2021 01:46	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			12/11/2021 01:46	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			12/11/2021 01:46	RLD	EPA 8260C
trans-1,2-Dichloroethene	0.47	ug/L	0.020	0.10	1			12/11/2021 01:46	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			12/11/2021 01:46	RLD	EPA 8260C
Trichloroethene	5.1	ug/L	0.022	0.10	1			12/11/2021 01:46	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			12/11/2021 01:46	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			12/11/2021 01:46	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			12/11/2021 01:46	RLD	EPA 8260C
1,4-Dioxane	<7.0	ug/L	7.0	23	1			12/11/2021 01:46	RLD	EPA 8260C

CT LAB Sample#: 1080714	Sample Description: TW-2021	License/Well #: 04189/048	Sampled: 12/2/2021 11:30
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Iron	0.153	mg/L	0.027	0.09	1			12/8/2021 10:25	NAH	EPA 6010C
Dissolved Manganese	420	ug/L	1.2	5.0	1			12/8/2021 10:25	NAH	EPA 6010C

CT LAB Sample#: 1080715	Sample Description: MW-102S	License/Well #: 04189/037	Sampled: 12/2/2021 12:30
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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CT LAB Sample#: 1080715 Sample Description: MW-102S License/Well #: 04189/037 Sampled: 12/2/2021 12:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Dissolved Oxygen (Field)	3.43	mg/L			1			12/2/2021 00:00	SUB	FIELD
Depth to Groundwater (Field)	9.13	Feet			1			12/2/2021 00:00	SUB	FIELD
OX/REDOX (Field)	69.2	MV			1			12/2/2021 00:00	SUB	FIELD
Color (Field)	CLEAR		N/A	N/A	1			12/2/2021 00:00	SUB	FIELD
Conductivity (Field)	2471.9	umhos/cm			1			12/2/2021 00:00	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			12/2/2021 00:00	SUB	FIELD
pH (Field)	7.38	S.U.			1			12/2/2021 00:00	SUB	FIELD
Temperature (Field)	12.86	Deg. C			1			12/2/2021 00:00	SUB	FIELD
Turbidity (Field)	168.94	NTU	N/A	N/A	1			12/2/2021 00:00	SUB	FIELD
Inorganic Results										
Alkalinity Total	440	mg/L	21	70	1			12/7/2021 12:03	lay	EPA 310.2
Total Sulfide	<1.0	mg/L	1.0		1			12/9/2021 10:10	ATJ	SM 4500-S2F
Nitrate Nitrogen Total	6.1	mg/L	0.12	0.40	1			12/3/2021 16:33	TMG	EPA 9056A
Total Chloride	550	mg/L	50	160	50			12/6/2021 09:49	TMG	EPA 9056A
Total Sulfate	29	mg/L	0.80	2.5	1			12/3/2021 16:33	TMG	EPA 9056A
Total Organic Carbon	2.0	mg/L	0.4	1.3	1			12/8/2021 12:39	KMT	EPA 9060A
Metals Results										
Total Iron	0.0437	mg/L	0.033 *	0.11	1		12/6/2021 09:57	12/8/2021 03:26	NAH	EPA 6010C
Total Manganese	1.9	ug/L	1.5 *	5.0	1		12/6/2021 09:57	12/8/2021 03:26	NAH	EPA 6010C
Organic Results										
Ethane	<0.38	ug/L	0.38	1.3	1		12/6/2021 08:16	12/9/2021 13:17	KMT	RSK 175
Ethene	<0.59	ug/L	0.59	2.0	1		12/6/2021 08:16	12/9/2021 13:17	KMT	RSK 175
Methane	<0.45	ug/L	0.45	1.5	1		12/6/2021 08:16	12/9/2021 13:17	KMT	RSK 175

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

CT LAB Sample#: 1080715 Sample Description: MW-102S License/Well #: 04189/037 Sampled: 12/2/2021 12:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			12/11/2021 02:15	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			12/11/2021 02:15	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			12/11/2021 02:15	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			12/11/2021 02:15	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/11/2021 02:15	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			12/11/2021 02:15	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			12/11/2021 02:15	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			12/11/2021 02:15	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			12/11/2021 02:15	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			12/11/2021 02:15	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			12/11/2021 02:15	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			12/11/2021 02:15	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			12/11/2021 02:15	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			12/11/2021 02:15	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/11/2021 02:15	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			12/11/2021 02:15	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			12/11/2021 02:15	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			12/11/2021 02:15	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			12/11/2021 02:15	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			12/11/2021 02:15	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1	Y		12/11/2021 02:15	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			12/11/2021 02:15	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			12/11/2021 02:15	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			12/11/2021 02:15	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			12/11/2021 02:15	RLD	EPA 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#: 1080715 Sample Description: MW-102S License/Well #: 04189/037 Sampled: 12/2/2021 12:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			12/11/2021 02:15	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			12/11/2021 02:15	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			12/11/2021 02:15	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			12/11/2021 02:15	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			12/11/2021 02:15	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			12/11/2021 02:15	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			12/11/2021 02:15	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1	Z		12/11/2021 02:15	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			12/11/2021 02:15	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			12/11/2021 02:15	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			12/11/2021 02:15	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			12/11/2021 02:15	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			12/11/2021 02:15	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			12/11/2021 02:15	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1			12/11/2021 02:15	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			12/11/2021 02:15	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			12/11/2021 02:15	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			12/11/2021 02:15	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			12/11/2021 02:15	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			12/11/2021 02:15	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			12/11/2021 02:15	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			12/11/2021 02:15	RLD	EPA 8260C
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1			12/11/2021 02:15	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			12/11/2021 02:15	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			12/11/2021 02:15	RLD	EPA 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#: 1080715	Sample Description: MW-102S	License/Well #: 04189/037	Sampled: 12/2/2021 12:30
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Methylene chloride	<0.090	ug/L	0.090	0.40	1			12/11/2021 02:15	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			12/11/2021 02:15	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			12/11/2021 02:15	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			12/11/2021 02:15	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			12/11/2021 02:15	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			12/11/2021 02:15	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			12/11/2021 02:15	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			12/11/2021 02:15	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			12/11/2021 02:15	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			12/11/2021 02:15	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			12/11/2021 02:15	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			12/11/2021 02:15	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			12/11/2021 02:15	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			12/11/2021 02:15	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			12/11/2021 02:15	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			12/11/2021 02:15	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			12/11/2021 02:15	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			12/11/2021 02:15	RLD	EPA 8260C
1,4-Dioxane	16	ug/L	7.0 *	23	1			12/11/2021 02:15	RLD	EPA 8260C

CT LAB Sample#: 1080716	Sample Description: MW-102S	License/Well #: 04189/037	Sampled: 12/2/2021 12:30
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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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#: 1080716	Sample Description: MW-102S	License/Well #: 04189/037	Sampled: 12/2/2021 12:30
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dissolved Iron	<0.027	mg/L	0.027	0.09	1			12/8/2021 10:33	NAH	EPA 6010C
Dissolved Manganese	<1.2	ug/L	1.2	5.0	1			12/8/2021 10:33	NAH	EPA 6010C

CT LAB Sample#: 1080717	Sample Description: MW-102D	License/Well #: 04189/038	Sampled: 12/2/2021 13:00
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Field Results

Dissolved Oxygen (Field)	2.07	mg/L			1			12/2/2021 00:00	SUB	FIELD
Depth to Groundwater (Field)	8.21	Feet			1			12/2/2021 00:00	SUB	FIELD
OX/REDOX (Field)	-19.9	MV			1			12/2/2021 00:00	SUB	FIELD
Color (Field)	CLEAR		N/A	N/A	1			12/2/2021 00:00	SUB	FIELD
Conductivity (Field)	1263.3	umhos/cm			1			12/2/2021 00:00	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			12/2/2021 00:00	SUB	FIELD
pH (Field)	7.69	S.U.			1			12/2/2021 00:00	SUB	FIELD
Temperature (Field)	12.19	Deg. C			1			12/2/2021 00:00	SUB	FIELD
Turbidity (Field)	157.35	NTU	N/A	N/A	1			12/2/2021 00:00	SUB	FIELD

Inorganic Results

Alkalinity Total	400	mg/L	21	70	1			12/7/2021 12:08	lay	EPA 310.2
Total Sulfide	<1.0	mg/L	1.0		1			12/9/2021 10:10	ATJ	SM 4500-S2F
Nitrate Nitrogen Total	0.16	mg/L	0.12 *	0.40	1			12/3/2021 16:54	TMG	EPA 9056A
Total Chloride	190	mg/L	10	32	10			12/6/2021 10:10	TMG	EPA 9056A
Total Sulfate	76	mg/L	8.0	25	10			12/6/2021 10:10	TMG	EPA 9056A
Total Organic Carbon	1.4	mg/L	0.4	1.3	1			12/8/2021 12:50	KMT	EPA 9060A

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#: 1080717 Sample Description: MW-102D License/Well #: 04189/038 Sampled: 12/2/2021 13:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Total Iron	1.78	mg/L	0.033	0.11	1		12/6/2021 09:57	12/8/2021 03:34	NAH	EPA 6010C
Total Manganese	46.6	ug/L	1.5	5.0	1		12/6/2021 09:57	12/8/2021 03:34	NAH	EPA 6010C
Organic Results										
Ethane	<0.38	ug/L	0.38	1.3	1		12/6/2021 08:16	12/9/2021 13:31	KMT	RSK 175
Ethene	<0.59	ug/L	0.59	2.0	1		12/6/2021 08:16	12/9/2021 13:31	KMT	RSK 175
Methane	1.7	ug/L	0.45	1.5	1		12/6/2021 08:16	12/9/2021 13:31	KMT	RSK 175
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			12/11/2021 12:23	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			12/11/2021 12:23	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			12/11/2021 12:23	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			12/11/2021 12:23	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/11/2021 12:23	RLD	EPA 8260C
1,1-Dichloroethene	0.080	ug/L	0.024 *	0.10	1			12/11/2021 12:23	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			12/11/2021 12:23	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			12/11/2021 12:23	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			12/11/2021 12:23	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			12/11/2021 12:23	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			12/11/2021 12:23	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			12/11/2021 12:23	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			12/11/2021 12:23	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			12/11/2021 12:23	RLD	EPA 8260C
1,2-Dichloroethane	0.15	ug/L	0.017	0.10	1			12/11/2021 12:23	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			12/11/2021 12:23	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			12/11/2021 12:23	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			12/11/2021 12:23	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#: 1080717 Sample Description: MW-102D License/Well #: 04189/038 Sampled: 12/2/2021 13:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			12/11/2021 12:23	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			12/11/2021 12:23	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1	Y		12/11/2021 12:23	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			12/11/2021 12:23	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			12/11/2021 12:23	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			12/11/2021 12:23	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			12/11/2021 12:23	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			12/11/2021 12:23	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			12/11/2021 12:23	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			12/11/2021 12:23	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			12/11/2021 12:23	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			12/11/2021 12:23	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			12/11/2021 12:23	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			12/11/2021 12:23	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			12/11/2021 12:23	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			12/11/2021 12:23	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			12/11/2021 12:23	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			12/11/2021 12:23	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			12/11/2021 12:23	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			12/11/2021 12:23	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			12/11/2021 12:23	RLD	EPA 8260C
cis-1,2-Dichloroethene	35	ug/L	0.12	0.50	5			12/11/2021 06:34	TMG	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			12/11/2021 12:23	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			12/11/2021 12:23	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			12/11/2021 12:23	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#: 1080717 Sample Description: MW-102D License/Well #: 04189/038 Sampled: 12/2/2021 13:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1		12/11/2021	12:23	RLD	EPA 8260C
Diisopropyl ether	0.027	ug/L	0.02 *	0.1	1		12/11/2021	12:23	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1		12/11/2021	12:23	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1		12/11/2021	12:23	RLD	EPA 8260C
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1		12/11/2021	12:23	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1		12/11/2021	12:23	RLD	EPA 8260C
Methyl tert-butyl ether	0.87	ug/L	0.014	0.10	1		12/11/2021	12:23	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1		12/11/2021	12:23	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1		12/11/2021	12:23	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1		12/11/2021	12:23	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1		12/11/2021	12:23	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1		12/11/2021	12:23	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1		12/11/2021	12:23	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1		12/11/2021	12:23	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1		12/11/2021	12:23	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1		12/11/2021	12:23	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1		12/11/2021	12:23	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1		12/11/2021	12:23	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1		12/11/2021	12:23	RLD	EPA 8260C
trans-1,2-Dichloroethene	0.43	ug/L	0.020	0.10	1		12/11/2021	12:23	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1		12/11/2021	12:23	RLD	EPA 8260C
Trichloroethene	0.079	ug/L	0.022 *	0.10	1		12/11/2021	12:23	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1		12/11/2021	12:23	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1		12/11/2021	12:23	RLD	EPA 8260C
Vinyl chloride	1.1	ug/L	0.019	0.10	1		12/11/2021	12:23	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#: 1080717	Sample Description: MW-102D	License/Well #: 04189/038	Sampled: 12/2/2021 13:00
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,4-Dioxane	<7.0	ug/L	7.0	23	1			12/11/2021 12:23	RLD	EPA 8260C

CT LAB Sample#: 1080718	Sample Description: MW-102D	License/Well #: 04189/038	Sampled: 12/2/2021 13:00
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Iron	1.67	mg/L	0.027	0.09	1			12/8/2021 10:41	NAH	EPA 6010C
Dissolved Manganese	41.5	ug/L	1.2	5.0	1			12/8/2021 10:41	NAH	EPA 6010C

CT LAB Sample#: 1080719	Sample Description: MW-15D	License/Well #: 04189/025	Sampled: 12/2/2021 13:30
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Dissolved Oxygen (Field)	1.87	mg/L			1			12/2/2021 00:00	SUB	FIELD
Depth to Groundwater (Field)	10.94	Feet			1			12/2/2021 00:00	SUB	FIELD
OX/REDOX (Field)	-26.1	MV			1			12/2/2021 00:00	SUB	FIELD
Color (Field)	CLEAR		N/A	N/A	1			12/2/2021 00:00	SUB	FIELD
Conductivity (Field)	874.03	umhos/cm			1			12/2/2021 00:00	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			12/2/2021 00:00	SUB	FIELD
pH (Field)	7.76	S.U.			1			12/2/2021 00:00	SUB	FIELD
Temperature (Field)	12.01	Deg. C			1			12/2/2021 00:00	SUB	FIELD
Turbidity (Field)	152.14	NTU	N/A	N/A	1			12/2/2021 00:00	SUB	FIELD
Inorganic Results										
Alkalinity Total	280	mg/L	21	70	1			12/7/2021 12:09	lay	EPA 310.2

CT LAB Sample#: 1080719	Sample Description: MW-15D	License/Well #: 04189/025	Sampled: 12/2/2021 13:30
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Total Sulfide	<1.0	mg/L	1.0		1			12/9/2021 10:10	ATJ	SM 4500-S2F
Nitrate Nitrogen Total	<0.12	mg/L	0.12	0.40	1			12/3/2021 17:14	TMG	EPA 9056A
Total Chloride	140	mg/L	5.0	16	5			12/3/2021 23:48	TMG	EPA 9056A
Total Sulfate	16	mg/L	0.80	2.5	1			12/3/2021 17:14	TMG	EPA 9056A
Total Organic Carbon	1.7	mg/L	0.4	1.3	1			12/8/2021 13:01	KMT	EPA 9060A
Metals Results										
Total Iron	0.743	mg/L	0.033	0.11	1		12/6/2021 09:57	12/8/2021 03:41	NAH	EPA 6010C
Total Manganese	276	ug/L	1.5	5.0	1		12/6/2021 09:57	12/8/2021 03:41	NAH	EPA 6010C
Organic Results										
Ethane	<0.38	ug/L	0.38	1.3	1		12/6/2021 08:16	12/9/2021 13:36	KMT	RSK 175
Ethene	<0.59	ug/L	0.59	2.0	1		12/6/2021 08:16	12/9/2021 13:36	KMT	RSK 175
Methane	9.7	ug/L	0.45	1.5	1		12/6/2021 08:16	12/9/2021 13:36	KMT	RSK 175
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			12/11/2021 02:44	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			12/11/2021 02:44	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			12/11/2021 02:44	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			12/11/2021 02:44	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/11/2021 02:44	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			12/11/2021 02:44	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			12/11/2021 02:44	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			12/11/2021 02:44	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			12/11/2021 02:44	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			12/11/2021 02:44	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			12/11/2021 02:44	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			12/11/2021 02:44	RLD	EPA 8260C

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

CT LAB Sample#: 1080719

Sample Description: MW-15D

License/Well #: 04189/025

Sampled: 12/2/2021 13:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			12/11/2021 02:44	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			12/11/2021 02:44	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/11/2021 02:44	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			12/11/2021 02:44	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			12/11/2021 02:44	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			12/11/2021 02:44	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			12/11/2021 02:44	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			12/11/2021 02:44	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1	Y		12/11/2021 02:44	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			12/11/2021 02:44	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			12/11/2021 02:44	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			12/11/2021 02:44	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			12/11/2021 02:44	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			12/11/2021 02:44	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			12/11/2021 02:44	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			12/11/2021 02:44	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			12/11/2021 02:44	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			12/11/2021 02:44	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			12/11/2021 02:44	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			12/11/2021 02:44	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1	Z		12/11/2021 02:44	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			12/11/2021 02:44	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			12/11/2021 02:44	RLD	EPA 8260C
Chlorobenzene	0.21	ug/L	0.013	0.10	1			12/11/2021 02:44	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			12/11/2021 02:44	RLD	EPA 8260C

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

CT LAB Sample#: 1080719

Sample Description: MW-15D

License/Well #: 04189/025

Sampled: 12/2/2021 13:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Chloroform	<0.016	ug/L	0.016	0.10	1		12/11/2021 02:44	12/11/2021 02:44	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1		12/11/2021 02:44	12/11/2021 02:44	RLD	EPA 8260C
cis-1,2-Dichloroethene	3.9	ug/L	0.023	0.10	1		12/11/2021 02:44	12/11/2021 02:44	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1		12/11/2021 02:44	12/11/2021 02:44	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1		12/11/2021 02:44	12/11/2021 02:44	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1		12/11/2021 02:44	12/11/2021 02:44	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1		12/11/2021 02:44	12/11/2021 02:44	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1		12/11/2021 02:44	12/11/2021 02:44	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1		12/11/2021 02:44	12/11/2021 02:44	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1		12/11/2021 02:44	12/11/2021 02:44	RLD	EPA 8260C
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1		12/11/2021 02:44	12/11/2021 02:44	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1		12/11/2021 02:44	12/11/2021 02:44	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1		12/11/2021 02:44	12/11/2021 02:44	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1		12/11/2021 02:44	12/11/2021 02:44	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1		12/11/2021 02:44	12/11/2021 02:44	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1		12/11/2021 02:44	12/11/2021 02:44	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1		12/11/2021 02:44	12/11/2021 02:44	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1		12/11/2021 02:44	12/11/2021 02:44	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1		12/11/2021 02:44	12/11/2021 02:44	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1		12/11/2021 02:44	12/11/2021 02:44	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1		12/11/2021 02:44	12/11/2021 02:44	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1		12/11/2021 02:44	12/11/2021 02:44	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1		12/11/2021 02:44	12/11/2021 02:44	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1		12/11/2021 02:44	12/11/2021 02:44	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1		12/11/2021 02:44	12/11/2021 02:44	RLD	EPA 8260C

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

CT LAB Sample#: 1080719	Sample Description: MW-15D	License/Well #: 04189/025	Sampled: 12/2/2021 13:30
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
trans-1,2-Dichloroethene	0.11	ug/L	0.020	0.10	1			12/11/2021 02:44	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			12/11/2021 02:44	RLD	EPA 8260C
Trichloroethene	7.3	ug/L	0.022	0.10	1			12/11/2021 02:44	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			12/11/2021 02:44	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			12/11/2021 02:44	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			12/11/2021 02:44	RLD	EPA 8260C
1,4-Dioxane	<7.0	ug/L	7.0	23	1			12/11/2021 02:44	RLD	EPA 8260C

CT LAB Sample#: 1080720	Sample Description: MW-15D	License/Well #: 04189/025	Sampled: 12/2/2021 13:30
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Iron	<0.027	mg/L	0.027	0.09	1			12/8/2021 10:49	NAH	EPA 6010C
Dissolved Manganese	221	ug/L	1.2	5.0	1			12/8/2021 10:49	NAH	EPA 6010C

CT LAB Sample#: 1080721	Sample Description: TW-202I DUP	License/Well #: 04189/048	Sampled: 12/2/2021 13:45
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Alkalinity Total	290	mg/L	21	70	1			12/7/2021 12:10	lay	EPA 310.2
Total Sulfide	<1.0	mg/L	1.0		1			12/9/2021 10:10	ATJ	SM 4500-S2F
Nitrate Nitrogen Total	<0.12	mg/L	0.12	0.40	1			12/3/2021 18:17	TMG	EPA 9056A
Total Chloride	190	mg/L	5.0	16	5			12/4/2021 00:08	TMG	EPA 9056A
Total Sulfate	35	mg/L	0.80	2.5	1			12/3/2021 18:17	TMG	EPA 9056A

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

CT LAB Sample#: 1080721 Sample Description: TW-2021 DUP License/Well #: 04189/048 Sampled: 12/2/2021 13:45

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Total Organic Carbon	1.7	mg/L	0.4	1.3	1			12/8/2021 13:12	KMT	EPA 9060A
Metals Results										
Total Iron	0.328	mg/L	0.033	0.11	1		12/6/2021 09:57	12/8/2021 03:49	NAH	EPA 6010C
Total Manganese	558	ug/L	1.5	5.0	1		12/6/2021 09:57	12/8/2021 03:49	NAH	EPA 6010C
Organic Results										
Ethane	<0.38	ug/L	0.38	1.3	1		12/6/2021 08:16	12/9/2021 14:00	KMT	RSK 175
Ethene	<0.59	ug/L	0.59	2.0	1		12/6/2021 08:16	12/9/2021 14:00	KMT	RSK 175
Methane	8.9	ug/L	0.45	1.5	1		12/6/2021 08:16	12/9/2021 14:00	KMT	RSK 175
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			12/11/2021 03:12	RLD	EPA 8260C
1,1,1-Trichloroethane	0.13	ug/L	0.013	0.10	1			12/11/2021 03:12	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			12/11/2021 03:12	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			12/11/2021 03:12	RLD	EPA 8260C
1,1-Dichloroethane	0.029	ug/L	0.017 *	0.10	1			12/11/2021 03:12	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			12/11/2021 03:12	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			12/11/2021 03:12	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			12/11/2021 03:12	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			12/11/2021 03:12	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			12/11/2021 03:12	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			12/11/2021 03:12	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			12/11/2021 03:12	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			12/11/2021 03:12	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			12/11/2021 03:12	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/11/2021 03:12	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			12/11/2021 03:12	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#: 1080721 Sample Description: TW-2021 DUP

License/Well #: 04189/048

Sampled: 12/2/2021 13:45

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			12/11/2021 03:12	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			12/11/2021 03:12	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			12/11/2021 03:12	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			12/11/2021 03:12	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1	Y		12/11/2021 03:12	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			12/11/2021 03:12	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			12/11/2021 03:12	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			12/11/2021 03:12	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			12/11/2021 03:12	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			12/11/2021 03:12	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			12/11/2021 03:12	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			12/11/2021 03:12	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			12/11/2021 03:12	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			12/11/2021 03:12	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			12/11/2021 03:12	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			12/11/2021 03:12	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1	Z		12/11/2021 03:12	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			12/11/2021 03:12	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			12/11/2021 03:12	RLD	EPA 8260C
Chlorobenzene	0.35	ug/L	0.013	0.10	1			12/11/2021 03:12	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			12/11/2021 03:12	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			12/11/2021 03:12	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			12/11/2021 03:12	RLD	EPA 8260C
cis-1,2-Dichloroethene	5.9	ug/L	0.023	0.10	1			12/11/2021 03:12	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			12/11/2021 03:12	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#: 1080721 Sample Description: TW-2021 DUP

License/Well #: 04189/048

Sampled: 12/2/2021 13:45

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			12/11/2021 03:12	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			12/11/2021 03:12	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			12/11/2021 03:12	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			12/11/2021 03:12	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			12/11/2021 03:12	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			12/11/2021 03:12	RLD	EPA 8260C
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1			12/11/2021 03:12	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			12/11/2021 03:12	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			12/11/2021 03:12	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			12/11/2021 03:12	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			12/11/2021 03:12	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			12/11/2021 03:12	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			12/11/2021 03:12	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			12/11/2021 03:12	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			12/11/2021 03:12	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			12/11/2021 03:12	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			12/11/2021 03:12	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			12/11/2021 03:12	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			12/11/2021 03:12	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			12/11/2021 03:12	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			12/11/2021 03:12	RLD	EPA 8260C
trans-1,2-Dichloroethene	0.46	ug/L	0.020	0.10	1			12/11/2021 03:12	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			12/11/2021 03:12	RLD	EPA 8260C
Trichloroethene	4.5	ug/L	0.022	0.10	1			12/11/2021 03:12	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			12/11/2021 03:12	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#: 1080721	Sample Description: TW-2021 DUP	License/Well #: 04189/048	Sampled: 12/2/2021 13:45
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			12/11/2021 03:12	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			12/11/2021 03:12	RLD	EPA 8260C
1,4-Dioxane	<7.0	ug/L	7.0	23	1			12/11/2021 03:12	RLD	EPA 8260C

CT LAB Sample#: 1080722	Sample Description: TW-2021 DUP	License/Well #: 04189/048	Sampled: 12/2/2021 13:45
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Iron	0.142	mg/L	0.027	0.09	1			12/8/2021 11:18	NAH	EPA 6010C
Dissolved Manganese	411	ug/L	1.2	5.0	1			12/8/2021 11:18	NAH	EPA 6010C

CT LAB Sample#: 1080723	Sample Description: MW-15S	License/Well #: 04189/033	Sampled: 12/2/2021 14:30
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Dissolved Oxygen (Field)	1.42	mg/L			1			12/2/2021 00:00	SUB	FIELD
Depth to Groundwater (Field)	9.94	Feet			1			12/2/2021 00:00	SUB	FIELD
OX/REDOX (Field)	1.9	MV			1			12/2/2021 00:00	SUB	FIELD
Color (Field)	CLEAR		N/A	N/A	1			12/2/2021 00:00	SUB	FIELD
Conductivity (Field)	1481.9	umhos/cm			1			12/2/2021 00:00	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			12/2/2021 00:00	SUB	FIELD
pH (Field)	7.67	S.U.			1			12/2/2021 00:00	SUB	FIELD
Temperature (Field)	12.30	Deg. C			1			12/2/2021 00:00	SUB	FIELD
Turbidity (Field)	181.09	NTU	N/A	N/A	1			12/2/2021 00:00	SUB	FIELD

CT LAB Sample#: 1080723 Sample Description: MW-15S License/Well #: 04189/033 Sampled: 12/2/2021 14:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Alkalinity Total	330	mg/L	21	70	1			12/7/2021 12:11	lay	EPA 310.2
Total Sulfide	<1.0	mg/L	1.0		1			12/9/2021 10:10	ATJ	SM 4500-S2F
Nitrate Nitrogen Total	1.6	mg/L	0.12	0.40	1			12/3/2021 18:37	TMG	EPA 9056A
Total Chloride	270	mg/L	10	32	10			12/6/2021 10:31	TMG	EPA 9056A
Total Sulfate	20	mg/L	0.80	2.5	1			12/3/2021 18:37	TMG	EPA 9056A
Total Organic Carbon	1.7	mg/L	0.4	1.3	1			12/8/2021 13:23	KMT	EPA 9060A
Metals Results										
Total Iron	1.51	mg/L	0.033	0.11	1		12/6/2021 09:57	12/8/2021 03:57	NAH	EPA 6010C
Total Manganese	235	ug/L	1.5	5.0	1		12/6/2021 09:57	12/8/2021 03:57	NAH	EPA 6010C
Organic Results										
Qualifiers applying to all Analytes of Method RSK 175: T										
Ethane	<0.38	ug/L	0.38	1.3	1		12/6/2021 08:16	12/9/2021 14:05	KMT	RSK 175
Ethene	<0.59	ug/L	0.59	2.0	1		12/6/2021 08:16	12/9/2021 14:05	KMT	RSK 175
Methane	1.3	ug/L	0.45 *	1.5	1		12/6/2021 08:16	12/9/2021 14:05	KMT	RSK 175
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			12/11/2021 03:41	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			12/11/2021 03:41	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			12/11/2021 03:41	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			12/11/2021 03:41	RLD	EPA 8260C
1,1-Dichloroethane	0.052	ug/L	0.017 *	0.10	1			12/11/2021 03:41	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			12/11/2021 03:41	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			12/11/2021 03:41	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			12/11/2021 03:41	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#: 1080723

Sample Description: MW-15S

License/Well #: 04189/033

Sampled: 12/2/2021 14:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			12/11/2021 03:41	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			12/11/2021 03:41	RLD	EPA 8260C
1,2,4-Trimethylbenzene	0.022	ug/L	0.011 *	0.10	1			12/11/2021 03:41	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			12/11/2021 03:41	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			12/11/2021 03:41	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			12/11/2021 03:41	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/11/2021 03:41	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			12/11/2021 03:41	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			12/11/2021 03:41	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			12/11/2021 03:41	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			12/11/2021 03:41	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			12/11/2021 03:41	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1	Y		12/11/2021 03:41	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			12/11/2021 03:41	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			12/11/2021 03:41	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			12/11/2021 03:41	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			12/11/2021 03:41	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			12/11/2021 03:41	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			12/11/2021 03:41	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			12/11/2021 03:41	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			12/11/2021 03:41	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			12/11/2021 03:41	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			12/11/2021 03:41	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			12/11/2021 03:41	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1	Z		12/11/2021 03:41	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#: 1080723

Sample Description: MW-15S

License/Well #: 04189/033

Sampled: 12/2/2021 14:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Carbon disulfide	<0.11	ug/L	0.11	0.40	1		12/11/2021 03:41	12/11/2021 03:41	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1		12/11/2021 03:41	12/11/2021 03:41	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1		12/11/2021 03:41	12/11/2021 03:41	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1		12/11/2021 03:41	12/11/2021 03:41	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1		12/11/2021 03:41	12/11/2021 03:41	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1		12/11/2021 03:41	12/11/2021 03:41	RLD	EPA 8260C
cis-1,2-Dichloroethene	2.1	ug/L	0.023	0.10	1		12/11/2021 03:41	12/11/2021 03:41	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1		12/11/2021 03:41	12/11/2021 03:41	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1		12/11/2021 03:41	12/11/2021 03:41	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1		12/11/2021 03:41	12/11/2021 03:41	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1		12/11/2021 03:41	12/11/2021 03:41	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1		12/11/2021 03:41	12/11/2021 03:41	RLD	EPA 8260C
Ethylbenzene	0.022	ug/L	0.014 *	0.10	1		12/11/2021 03:41	12/11/2021 03:41	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1		12/11/2021 03:41	12/11/2021 03:41	RLD	EPA 8260C
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1		12/11/2021 03:41	12/11/2021 03:41	RLD	EPA 8260C
m & p-Xylene	0.032	ug/L	0.022 *	0.20	1		12/11/2021 03:41	12/11/2021 03:41	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1		12/11/2021 03:41	12/11/2021 03:41	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1		12/11/2021 03:41	12/11/2021 03:41	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1		12/11/2021 03:41	12/11/2021 03:41	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1		12/11/2021 03:41	12/11/2021 03:41	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1		12/11/2021 03:41	12/11/2021 03:41	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1		12/11/2021 03:41	12/11/2021 03:41	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1		12/11/2021 03:41	12/11/2021 03:41	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1		12/11/2021 03:41	12/11/2021 03:41	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1		12/11/2021 03:41	12/11/2021 03:41	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#: 1080723	Sample Description: MW-15S	License/Well #: 04189/033	Sampled: 12/2/2021 14:30
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			12/11/2021 03:41	RLD	EPA 8260C
Tetrachloroethene	0.075	ug/L	0.028 *	0.20	1			12/11/2021 03:41	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			12/11/2021 03:41	RLD	EPA 8260C
Toluene	0.048	ug/L	0.014 *	0.10	1			12/11/2021 03:41	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			12/11/2021 03:41	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			12/11/2021 03:41	RLD	EPA 8260C
Trichloroethene	0.078	ug/L	0.022 *	0.10	1			12/11/2021 03:41	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			12/11/2021 03:41	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			12/11/2021 03:41	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			12/11/2021 03:41	RLD	EPA 8260C

Qualifiers applying to all Analytes of Method EPA 8260C: T

1,4-Dioxane	12	ug/L	7.0 *	23	1			12/11/2021 03:41	RLD	EPA 8260C
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CT LAB Sample#: 1080724	Sample Description: MW-15S	License/Well #: 04189/033	Sampled: 12/2/2021 14:30
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Iron	<0.027	mg/L	0.027	0.09	1			12/8/2021 11:26	NAH	EPA 6010C
Dissolved Manganese	13.5	ug/L	1.2	5.0	1			12/8/2021 11:26	NAH	EPA 6010C

CT LAB Sample#: 1080725	Sample Description: MW-15B	License/Well #: 04189/034	Sampled: 12/2/2021 15:00
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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CT LAB Sample#: 1080725 Sample Description: MW-15B License/Well #: 04189/034 Sampled: 12/2/2021 15:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Dissolved Oxygen (Field)	1.72	mg/L			1			12/2/2021 00:00	SUB	FIELD
Depth to Groundwater (Field)	9.83	Feet			1			12/2/2021 00:00	SUB	FIELD
OX/REDOX (Field)	-90.5	MV			1			12/2/2021 00:00	SUB	FIELD
Color (Field)	CLEAR		N/A	N/A	1			12/2/2021 00:00	SUB	FIELD
Conductivity (Field)	2692.8	umhos/cm			1			12/2/2021 00:00	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			12/2/2021 00:00	SUB	FIELD
pH (Field)	7.54	S.U.			1			12/2/2021 00:00	SUB	FIELD
Temperature (Field)	11.83	Deg. C			1			12/2/2021 00:00	SUB	FIELD
Turbidity (Field)	175.90	NTU	N/A	N/A	1			12/2/2021 00:00	SUB	FIELD
Inorganic Results										
Alkalinity Total	240	mg/L	21	70	1			12/7/2021 12:12	lay	EPA 310.2
Total Sulfide	<1.0	mg/L	1.0		1			12/9/2021 10:10	ATJ	SM 4500-S2F
Nitrate Nitrogen Total	0.84	mg/L	0.12	0.40	1	M		12/3/2021 18:58	TMG	EPA 9056A
Total Chloride	730	mg/L	50	160	50	M,Y		12/6/2021 10:51	TMG	EPA 9056A
Total Sulfate	0.84	mg/L	0.80 *	2.5	1			12/3/2021 18:58	TMG	EPA 9056A
Total Organic Carbon	1.9	mg/L	0.4	1.3	1			12/8/2021 13:36	KMT	EPA 9060A
Metals Results										
Total Iron	9.57	mg/L	0.033	0.11	1		12/6/2021 09:57	12/8/2021 04:05	NAH	EPA 6010C
Total Manganese	666	ug/L	1.5	5.0	1		12/6/2021 09:57	12/8/2021 04:05	NAH	EPA 6010C
Organic Results										
Ethane	<0.38	ug/L	0.38	1.3	1		12/6/2021 08:16	12/9/2021 14:13	KMT	RSK 175
Ethene	<0.59	ug/L	0.59	2.0	1		12/6/2021 08:16	12/9/2021 14:13	KMT	RSK 175
Methane	2500	ug/L	90	300	200		12/6/2021 08:16	12/9/2021 14:32	KMT	RSK 175

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

CT LAB Sample#: 1080725

Sample Description: MW-15B

License/Well #: 04189/034

Sampled: 12/2/2021 15:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			12/11/2021 04:09	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			12/11/2021 04:09	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			12/11/2021 04:09	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			12/11/2021 04:09	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/11/2021 04:09	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			12/11/2021 04:09	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			12/11/2021 04:09	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			12/11/2021 04:09	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			12/11/2021 04:09	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			12/11/2021 04:09	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			12/11/2021 04:09	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			12/11/2021 04:09	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			12/11/2021 04:09	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			12/11/2021 04:09	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/11/2021 04:09	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			12/11/2021 04:09	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			12/11/2021 04:09	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			12/11/2021 04:09	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			12/11/2021 04:09	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			12/11/2021 04:09	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1	Y		12/11/2021 04:09	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			12/11/2021 04:09	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			12/11/2021 04:09	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			12/11/2021 04:09	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			12/11/2021 04:09	RLD	EPA 8260C

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

CT LAB Sample#: 1080725

Sample Description: MW-15B

License/Well #: 04189/034

Sampled: 12/2/2021 15:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1		12/11/2021	04:09	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1		12/11/2021	04:09	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1		12/11/2021	04:09	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1		12/11/2021	04:09	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1		12/11/2021	04:09	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1		12/11/2021	04:09	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1		12/11/2021	04:09	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1	Z	12/11/2021	04:09	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1		12/11/2021	04:09	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1		12/11/2021	04:09	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1		12/11/2021	04:09	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1		12/11/2021	04:09	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1		12/11/2021	04:09	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1		12/11/2021	04:09	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1		12/11/2021	04:09	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1		12/11/2021	04:09	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1		12/11/2021	04:09	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1		12/11/2021	04:09	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1		12/11/2021	04:09	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1		12/11/2021	04:09	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1		12/11/2021	04:09	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1		12/11/2021	04:09	RLD	EPA 8260C
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1		12/11/2021	04:09	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1		12/11/2021	04:09	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1		12/11/2021	04:09	RLD	EPA 8260C

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

CT LAB Sample#: 1080725	Sample Description: MW-15B	License/Well #: 04189/034	Sampled: 12/2/2021 15:00
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Methylene chloride	<0.090	ug/L	0.090	0.40	1			12/11/2021 04:09	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			12/11/2021 04:09	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			12/11/2021 04:09	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			12/11/2021 04:09	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			12/11/2021 04:09	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			12/11/2021 04:09	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			12/11/2021 04:09	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			12/11/2021 04:09	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			12/11/2021 04:09	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			12/11/2021 04:09	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			12/11/2021 04:09	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			12/11/2021 04:09	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			12/11/2021 04:09	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			12/11/2021 04:09	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			12/11/2021 04:09	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			12/11/2021 04:09	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			12/11/2021 04:09	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			12/11/2021 04:09	RLD	EPA 8260C
1,4-Dioxane	<7.0	ug/L	7.0	23	1			12/11/2021 04:09	RLD	EPA 8260C

CT LAB Sample#: 1080726	Sample Description: MW-15B	License/Well #: 04189/034	Sampled: 12/2/2021 15:00
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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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#: 1080726	Sample Description: MW-15B	License/Well #: 04189/034	Sampled: 12/2/2021 15:00
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dissolved Iron	4.95	mg/L	0.027	0.09	1			12/8/2021 11:34	NAH	EPA 6010C
Dissolved Manganese	559	ug/L	1.2	5.0	1			12/8/2021 11:34	NAH	EPA 6010C

CT LAB Sample#: 1080729	Sample Description: TB-120221	License/Well #: 04189/999	Sampled: 12/2/2021
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			12/10/2021 22:26	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			12/10/2021 22:26	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			12/10/2021 22:26	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			12/10/2021 22:26	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/10/2021 22:26	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			12/10/2021 22:26	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			12/10/2021 22:26	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			12/10/2021 22:26	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			12/10/2021 22:26	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			12/10/2021 22:26	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			12/10/2021 22:26	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			12/10/2021 22:26	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			12/10/2021 22:26	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			12/10/2021 22:26	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/10/2021 22:26	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			12/10/2021 22:26	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			12/10/2021 22:26	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			12/10/2021 22:26	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#: 1080729

Sample Description: TB-120221

License/Well #: 04189/999

Sampled: 12/2/2021

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			12/10/2021 22:26	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			12/10/2021 22:26	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1	Y		12/10/2021 22:26	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			12/10/2021 22:26	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			12/10/2021 22:26	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			12/10/2021 22:26	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			12/10/2021 22:26	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			12/10/2021 22:26	RLD	EPA 8260C
Acetone	1.4	ug/L	0.84 *	4.0	1	B		12/10/2021 22:26	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			12/10/2021 22:26	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			12/10/2021 22:26	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			12/10/2021 22:26	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			12/10/2021 22:26	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			12/10/2021 22:26	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1	Z		12/10/2021 22:26	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			12/10/2021 22:26	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			12/10/2021 22:26	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			12/10/2021 22:26	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			12/10/2021 22:26	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			12/10/2021 22:26	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			12/10/2021 22:26	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1			12/10/2021 22:26	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			12/10/2021 22:26	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			12/10/2021 22:26	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			12/10/2021 22:26	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#: 1080729

Sample Description: TB-120221

License/Well #: 04189/999

Sampled: 12/2/2021

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			12/10/2021 22:26	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			12/10/2021 22:26	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			12/10/2021 22:26	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			12/10/2021 22:26	RLD	EPA 8260C
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1			12/10/2021 22:26	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			12/10/2021 22:26	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			12/10/2021 22:26	RLD	EPA 8260C
Methylene chloride	0.81	ug/L	0.090	0.40	1	Q,Z,B		12/10/2021 22:26	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			12/10/2021 22:26	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			12/10/2021 22:26	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			12/10/2021 22:26	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			12/10/2021 22:26	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			12/10/2021 22:26	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			12/10/2021 22:26	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			12/10/2021 22:26	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			12/10/2021 22:26	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			12/10/2021 22:26	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			12/10/2021 22:26	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			12/10/2021 22:26	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			12/10/2021 22:26	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			12/10/2021 22:26	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			12/10/2021 22:26	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			12/10/2021 22:26	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			12/10/2021 22:26	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			12/10/2021 22:26	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#: 1080729	Sample Description: TB-120221	License/Well #: 04189/999	Sampled: 12/2/2021
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,4-Dioxane	65	ug/L	7.0	23	1		12/10/2021	22:26	RLD	EPA 8260C

Notes regarding entire Chain of Custody:

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

QC Qualifiers

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

Current CT Laboratories Certifications

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

Preventative Action Limit (PAL) Exceedances

12/22/2021

Location/Landfill: OEC SUPERFUND WI

License #: 04189

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Well Description: MW-101B		Well #: 036		Sample Date		12/02/2021	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units	
Total Chloride	00940	190	125	250	5.0	mg/L	
Dissolved Manganese	01056	93.9	60	300	1.2	ug/L	
Total Manganese	01055	219	60	300	1.5	ug/L	
1,4-Dioxane	82388	11	0.3	3	7.0	ug/L	

Well Description: MW-101S		Well #: 035		Sample Date		12/02/2021	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units	
Total Chloride	00940	420	125	250	20	mg/L	
Total Iron	74010	0.568	0.15	0.3	0.033	mg/L	
Total Manganese	01055	1830	60	300	1.5	ug/L	
1,4-Dioxane	82388	17	0.3	3	7.0	ug/L	

Well Description: MW-102D		Well #: 038		Sample Date		12/02/2021	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units	
Total Chloride	00940	190	125	250	10	mg/L	
Dissolved Iron	01046	1.67	0.15	0.30	0.027	mg/L	
Total Iron	74010	1.78	0.15	0.3	0.033	mg/L	
cis-1,2-Dichloroethene	77093	35	7.00	70.00	0.12	ug/L	
Vinyl chloride	39175	1.1	0.02	0.20	0.019	ug/L	

Well Description: MW-102S		Well #: 037		Sample Date		12/02/2021	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units	
Nitrate Nitrogen Total	00620	6.1	2	10	0.12	mg/L	
Total Chloride	00940	550	125	250	50	mg/L	
1,4-Dioxane	82388	16	0.3	3	7.0	ug/L	

Well Description: MW-105S		Well #: 043		Sample Date		12/02/2021	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units	
Total Chloride	00940	910	125	250	50	mg/L	
Dissolved Iron	01046	2.15	0.15	0.30	0.027	mg/L	
Dissolved Manganese	01056	351	60	300	1.2	ug/L	
Total Iron	74010	6.54	0.15	0.3	0.033	mg/L	
Total Manganese	01055	402	60	300	1.5	ug/L	
1,1-Dichloroethene	34501	0.92	0.7	7	0.48	ug/L	
cis-1,2-Dichloroethene	77093	360	7.00	70.00	4.6	ug/L	
Methylene chloride	34423	26	0.5	5	1.8	ug/L	
Trichloroethene	39180	70	0.5	5	0.44	ug/L	
Vinyl chloride	39175	0.69	0.02	0.20	0.38	ug/L	

Well Description: MW-14DR		Well #: 050		Sample Date		12/02/2021	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units	
Total Chloride	00940	190	125	250	5.0	mg/L	

Preventative Action Limit (PAL) Exceedances

12/22/2021

Location/Landfill: OEC SUPERFUND WI

License #: 04189

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Well Description: MW-14DR		Well #: 050		Sample Date		12/02/2021	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units	
Dissolved Manganese	01056	95.9	60	300	1.2	ug/L	
Total Manganese	01055	315	60	300	1.5	ug/L	

Well Description: MW-15B		Well #: 034		Sample Date		12/02/2021	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units	
Total Chloride	00940	730	125	250	50	mg/L	
Dissolved Iron	01046	4.95	0.15	0.30	0.027	mg/L	
Dissolved Manganese	01056	559	60	300	1.2	ug/L	
Total Iron	74010	9.57	0.15	0.3	0.033	mg/L	
Total Manganese	01055	666	60	300	1.5	ug/L	

Well Description: MW-15D		Well #: 025		Sample Date		12/02/2021	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units	
Total Chloride	00940	140	125	250	5.0	mg/L	
Dissolved Manganese	01056	221	60	300	1.2	ug/L	
Total Iron	74010	0.743	0.15	0.3	0.033	mg/L	
Total Manganese	01055	276	60	300	1.5	ug/L	
Trichloroethene	39180	7.3	0.5	5	0.022	ug/L	

Well Description: MW-15S		Well #: 033		Sample Date		12/02/2021	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units	
Total Chloride	00940	270	125	250	10	mg/L	
Total Iron	74010	1.51	0.15	0.3	0.033	mg/L	
Total Manganese	01055	235	60	300	1.5	ug/L	
1,4-Dioxane	82388	12	0.3	3	7.0	ug/L	

Well Description: MW-3D		Well #: 006		Sample Date		12/02/2021	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units	
Total Chloride	00940	210	125	250	10	mg/L	
Dissolved Iron	01046	0.363	0.15	0.30	0.027	mg/L	
Dissolved Manganese	01056	64.1	60	300	1.2	ug/L	
Total Iron	74010	0.428	0.15	0.3	0.033	mg/L	
Total Manganese	01055	72.2	60	300	1.5	ug/L	
1,4-Dioxane	82388	33	0.3	3	7.0	ug/L	
Vinyl chloride	39175	0.075	0.02	0.20	0.019	ug/L	

Well Description: MW-4S		Well #: 007		Sample Date		12/02/2021	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units	
Total Chloride	00940	520	125	250	50	mg/L	
Dissolved Manganese	01056	80.5	60	300	1.2	ug/L	
Total Iron	74010	0.34	0.15	0.3	0.033	mg/L	
Total Manganese	01055	465	60	300	1.5	ug/L	
1,4-Dioxane	82388	21	0.3	3	7.0	ug/L	

Preventative Action Limit (PAL) Exceedances

12/22/2021

Location/Landfill: **OEC SUPERFUND WI**

License #: **04189**

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Well Description:	TW-2021		Well #:	048		Sample Date	12/02/2021	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units		
Total Chloride	00940	190	125	250	5.0	mg/L		
Dissolved Iron	01046	0.153	0.15	0.30	0.027	mg/L		
Dissolved Manganese	01056	420	60	300	1.2	ug/L		
Total Iron	74010	0.338	0.15	0.3	0.033	mg/L		
Total Manganese	01055	572	60	300	1.5	ug/L		
Trichloroethene	39180	5.1	0.5	5	0.022	ug/L		

Well Description:	TW-2021 DUP		Well #:	048		Sample Date	12/02/2021	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units		
Total Chloride	00940	190	125	250	5.0	mg/L		
Dissolved Manganese	01056	411	60	300	1.2	ug/L		
Total Iron	74010	0.328	0.15	0.3	0.033	mg/L		
Total Manganese	01055	558	60	300	1.5	ug/L		
Trichloroethene	39180	4.5	0.5	5	0.022	ug/L		

Selected Indicators - Summary

Location/Landfill:		OCONOMOWOC ELECTROPLATING			License #:	04189	12/22/2021
Sample Date		Sample ID					
		MW-101B	MW-101S	MW-102D	MW-102S	MW-105S	MW-14DR
12/02/2021	Color (Field)	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
	Conductivity (Field)	986.38	1658	1263.3	2471.9	3367.4	991.32
	Depth to Groundwater	6.11	6.01	8.21	9.13	5.19	6.16
	Nitrate Nitrogen T/D	0.26	0.25	0.16	6.1	<0.12	0.60
	Odor (Field)	NONE	NONE	NONE	NONE	NONE	NONE
	OX/REDOX (Field)	75.2	79.6	-19.9	69.2	24.3	50.8
	pH (Field)	7.67	7.47	7.69	7.38	7.47	7.64
	T/D Alkalinity	280	380	400	440	370	260
	T/D Chloride	190	420	190	550	910	190
	T/D Iron	<0.027	<0.027	1.67	<0.027	2.15	<0.027
	T/D Manganese	219	15.0	41.5	<1.2	351	315
	T/D Organic Carbon	1.2	4.2	1.4	2.0	4.1	0.88
	T/D Oxygen (Field)	1.8	3.17	2.07	3.43	1.51	1.94
	T/D Sulfate	24	35	76	29	56	43
	T/D Sulfide	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	Temperature (Field)	11.83	12.77	12.19	12.86	10.18	12.14
	Turbidity (Field)	164.10	167.44	157.35	168.94	206.71	210.38

	MW-15B	MW-15D	MW-15S	MW-3D	MW-4S	TW-2021
12/02/2021 Color (Field)	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
Conductivity (Field)	2692.8	874.03	1481.9	1090.5	2276.40	1018.5
Depth to Groundwater	9.83	10.94	9.94	7.14	9.22	7.92
Nitrate Nitrogen T/D	0.84	<0.12	1.6	<0.12	<0.12	0.25
Odor (Field)	NONE	NONE	NONE	NONE	NONE	NONE
OX/REDOX (Field)	-90.5	-26.1	1.9	3.4	37.2	81.4
pH (Field)	7.54	7.76	7.67	7.69	7.32	7.63
T/D Alkalinity	240	280	330	330	330	290
T/D Chloride	730	140	270	210	520	190
T/D Iron	4.95	<0.027	<0.027	0.363	<0.027	0.153
T/D Manganese	559	221	13.5	64.1	465	420
T/D Organic Carbon	1.9	1.7	1.7	0.89	2.0	2.4
T/D Oxygen (Field)	1.72	1.87	1.42	1.91	2.52	1.52
T/D Sulfate	0.84	16	20	42	91	25
T/D Sulfide	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Temperature (Field)	11.83	12.01	12.30	10.83	12.76	11.97
Turbidity (Field)	175.90	152.14	181.09	269.84	261.64	158.49

12/02/2021		TW-2021 DUP
	Color (Field)	
	Conductivity (Field)	
	Depth to Groundwater	
	Nitrate Nitrogen T/D	<0.12
	Odor (Field)	
	OX/REDOX (Field)	
	pH (Field)	
	T/D Alkalinity	290
	T/D Chloride	190
	T/D Iron	0.142
	T/D Manganese	411
	T/D Organic Carbon	1.7
	T/D Oxygen (Field)	
	T/D Sulfate	35
	T/D Sulfide	<1.0
	Temperature (Field)	
	Turbidity (Field)	

QC Summary Report

HYDE ENVIRONMENTAL, INC.

Project Name: OEC SUPERFUND WI

SDG #: 0

Folder #: 166228

Project #:

Duplicate

Analytical Run #:	197950	Analysis Date:	12/3/2021	Prep Batch #:	Matrix:	GROUND WATER
CTLab #:	1081716	Analysis Time:	19:19	Prep Date/Time:	Method:	SW9056A
Parent Sample #:	1080725	Analyst:	TMG	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Nitrate Nitrogen Total	0.120	mg/L	0.84	U				200	18
Total Chloride	506	mg/L	730					36	10
Total Sulfate	0.800	mg/L	0.84	U				200	10

Lab Control Spike Water

Analytical Run #:	197950	Analysis Date:	12/3/2021	Prep Batch #:	Matrix:	LIQUID
CTLab #:	1081712	Analysis Time:	13:27	Prep Date/Time:	Method:	SW9056A
Parent Sample #:		Analyst:	TMG	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Chloride	13.81	mg/L			15.00	92	80 --- 120		
Nitrate Nitrogen	3.329	mg/L			3.500	95	80 --- 120		
Sulfate	24.93	mg/L			25.00	100	80 --- 120		

Method Blank Water

Analytical Run #:	197950	Analysis Date:	12/3/2021	Prep Batch #:	Matrix:	LIQUID
CTLab #:	1081713	Analysis Time:	13:47	Prep Date/Time:	Method:	SW9056A
Parent Sample #:		Analyst:	TMG	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Chloride	1.0	mg/L		U	0		1.0		
Nitrate Nitrogen	0.12	mg/L		U	0		0.12		
Sulfate	0.8	mg/L		U	0		0.8		

Matrix Spike Water

Analytical Run #:	197950	Analysis Date:	12/3/2021	Prep Batch #:	Matrix:	GROUND WATER
CTLab #:	1081717	Analysis Time:	19:39	Prep Date/Time:	Method:	SW9056A
Parent Sample #:	1080725	Analyst:	TMG	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Nitrate Nitrogen Total	1.92	mg/L	0.84		2.00	54	58 --- 143		20
Total Chloride	1270	mg/L	730		400	135	47 --- 120		20
Total Sulfate	7.97	mg/L	0.84		8.00	89	49 --- 120		20

Duplicate

Analytical Run #:	197985	Analysis Date:	12/8/2021	Prep Batch #:	Matrix:	GROUND WATER
CTLab #:	1082469	Analysis Time:	10:21	Prep Date/Time:	Method:	SW9060
Parent Sample #:	1080701	Analyst:	KMT	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Total Organic Carbon	4.14	mg/L	4.1					1	20

Lab Control Spike Water

Analytical Run #:	197985	Analysis Date:	12/8/2021	Prep Batch #:	Matrix:	LIQUID
CTLab #:	1082467	Analysis Time:	09:38	Prep Date/Time:	Method:	SW9060
Parent Sample #:		Analyst:	KMT	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Total Organic Carbon	51.14	mg/L			50.0	102	83 --- 114		

Method Blank Water

Analytical Run #:	197985	Analysis Date:	12/8/2021	Prep Batch #:	Matrix:	LIQUID
CTLab #:	1082468	Analysis Time:	09:52	Prep Date/Time:	Method:	SW9060
Parent Sample #:		Analyst:	KMT	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Total Organic Carbon	0.4	mg/L		U	0		0.4		

Matrix Spike Duplicate Water

Analytical Run #:	197985	Analysis Date:	12/8/2021	Prep Batch #:	Matrix:	GROUND WATER
CTLab #:	1082471	Analysis Time:	10:45	Prep Date/Time:	Method:	SW9060
Parent Sample #:	1082470	Analyst:	KMT	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Total Organic Carbon	54.2	mg/L	4.1		50.0	100	78 --- 118	2	6

Matrix Spike Water

Analytical Run #:	197985	Analysis Date:	12/8/2021	Prep Batch #:	Matrix:	GROUND WATER
CTLab #:	1082470	Analysis Time:	10:32	Prep Date/Time:	Method:	SW9060
Parent Sample #:	1080701	Analyst:	KMT	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Total Organic Carbon	55.4	mg/L	4.1		50.0	103	78 --- 118		6

Lab Control Spike Water

Analytical Run #:	198019	Analysis Date:	12/7/2021	Prep Batch #:	Matrix:	LIQUID
CTLab #:	1081786	Analysis Time:	11:29	Prep Date/Time:	Method:	E310.2
Parent Sample #:		Analyst:	lay	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Alkalinity	360.0	mg/L			375.0	96	90 --- 110		

Method Blank Water

Analytical Run #:	198019	Analysis Date:	12/7/2021	Prep Batch #:	Matrix:	LIQUID
CTLab #:	1081787	Analysis Time:	11:30	Prep Date/Time:	Method:	E310.2
Parent Sample #:		Analyst:	lay	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Alkalinity	21	mg/L		U	0			21	

Duplicate

Analytical Run #:	198020	Analysis Date:	12/7/2021	Prep Batch #:	Matrix:	GROUND WATER
CTLab #:	1083426	Analysis Time:	12:02	Prep Date/Time:	Method:	E310.2
Parent Sample #:	1080713	Analyst:	lay	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Alkalinity Dissolved	291	mg/L	290					0	20
Alkalinity Total	291	mg/L	290					0	20

Duplicate

Analytical Run #:	198020	Analysis Date:	12/7/2021	Prep Batch #:	Matrix:	GROUND WATER
CTLab #:	1083427	Analysis Time:	12:05	Prep Date/Time:	Method:	E310.2
Parent Sample #:	1080715	Analyst:	lay	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Alkalinity Dissolved	444	mg/L	440					1	20
Alkalinity Total	444	mg/L	440					1	20

Lab Control Spike Water

Analytical Run #:	198020	Analysis Date:	12/7/2021	Prep Batch #:	Matrix:	LIQUID
CTLab #:	1081792	Analysis Time:	11:59	Prep Date/Time:	Method:	E310.2
Parent Sample #:		Analyst:	lay	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Alkalinity	370.0	mg/L			375.0	99	90 --- 110		

Method Blank Water

Analytical Run #:	198020	Analysis Date:	12/7/2021	Prep Batch #:	Matrix:	LIQUID
CTLab #:	1081793	Analysis Time:	12:00	Prep Date/Time:	Method:	E310.2
Parent Sample #:		Analyst:	lay	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Alkalinity	21	mg/L		U	0			21	

Duplicate

Analytical Run #:	198094	Analysis Date:	12/9/2021	Prep Batch #:	Matrix:	GROUND WATER
CTLab #:	1082899	Analysis Time:	10:10	Prep Date/Time:	Method:	SW9034
Parent Sample #:	1080701	Analyst:	DC	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Dissolved Sulfide	1.0	mg/L	0	U				0	20
Total Sulfide	1.0	mg/L	0	U				0	20

Lab Control Spike Water

Analytical Run #:	198094	Analysis Date:	12/9/2021	Prep Batch #:	Matrix:	LIQUID
CTLab #:	1082897	Analysis Time:	10:10	Prep Date/Time:	Method:	SW9034
Parent Sample #:		Analyst:	DC	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Sulfide	4.820	mg/L			5.0	96	90 --- 110		

Method Blank Water

Analytical Run #:	198094	Analysis Date:	12/9/2021	Prep Batch #:	Matrix:	LIQUID
CTLab #:	1082898	Analysis Time:	10:10	Prep Date/Time:	Method:	SW9034
Parent Sample #:		Analyst:	DC	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Sulfide	1	mg/L		U	0			1	

Matrix Spike Duplicate Water

Analytical Run #:	197974	Analysis Date:	12/8/2021	Prep Batch #:	Matrix:	GROUND WATER
CTLab #:	1083786	Analysis Time:	09:38	Prep Date/Time:	Method:	SW6010
Parent Sample #:	1083782	Analyst:	NAH	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Iron	3.71	mg/L	2.15		2.0	78	75 --- 113	1	18
Manganese	1200	ug/L	351		1000	85	75 --- 121	2	13

Matrix Spike Water

Analytical Run #:	197974	Analysis Date:	12/8/2021	Prep Batch #:	Matrix:	GROUND WATER
CTLab #:	1083782	Analysis Time:	09:09	Prep Date/Time:	Method:	SW6010
Parent Sample #:	1080702	Analyst:	NAH	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Iron	3.66	mg/L	2.15		2.0	76	75 --- 113		18
Manganese	1180	ug/L	351		1000	83	75 --- 121		13

Lab Control Spike Water

Analytical Run #:	198008	Analysis Date:	12/8/2021	Prep Batch #:	83607	Matrix:	LIQUID
CTLab #:	1080985	Analysis Time:	01:31	Prep Date/Time:	12/06/2021 09:57	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
Iron	0.397	mg/L			0.4	99	80 --- 115		
Manganese	220.0	ug/L			200.0	110	86 --- 112		

Method Blank Water

Analytical Run #:	198008	Analysis Date:	12/8/2021	Prep Batch #:	83607	Matrix:	LIQUID
CTLab #:	1080984	Analysis Time:	01:38	Prep Date/Time:	12/06/2021 09:57	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
Iron	0.011	mg/L		U	0		0.011		
Manganese	1.4	ug/L		U	0		1.4		

Matrix Spike Duplicate Water

Analytical Run #:	198008	Analysis Date:	12/8/2021	Prep Batch #:	83607	Matrix:	GROUND WATER
CTLab #:	1080987	Analysis Time:	02:02	Prep Date/Time:	12/06/2021 09:57	Method:	SW6010
Parent Sample #:	1080986	Analyst:	NAH	Prep Analyst:	NAH		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Iron	6.91	mg/L	6.54		0.4	92	75 --- 118	1	11
Manganese	617	ug/L	402		200	108	84 --- 111	0	7

Matrix Spike Water

Analytical Run #:	198008	Analysis Date:	12/8/2021	Prep Batch #:	83607	Matrix:	GROUND WATER
CTLab #:	1080986	Analysis Time:	01:54	Prep Date/Time:	12/06/2021 09:57	Method:	SW6010
Parent Sample #:	1080701	Analyst:	NAH	Prep Analyst:	NAH		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Iron	6.87	mg/L	6.54		0.4	82	75 --- 118		11
Manganese	614	ug/L	402		200	106	84 --- 111		7

Lab Control Spike Duplicate Water

Analytical Run #:	197980	Analysis Date:	12/11/2021	Prep Batch #:	Matrix:	LIQUID
CTLab #:	1083840	Analysis Time:	08:27	Prep Date/Time:	Method:	SW8260C
Parent Sample #:	1083832	Analyst:	RLD	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	3.80	ug/L	3.89		4.0	95	78 --- 121	2	20
1,1,1-Trichloroethane	4.11	ug/L	4.33		4.0	103	82 --- 122	5	20
1,1,2,2-Tetrachloroethane	3.89	ug/L	3.73		4.0	97	68 --- 128	4	20
1,1,2-Trichloroethane	4.05	ug/L	4.13		4.0	101	84 --- 114	2	20
1,1-Dichloroethane	3.99	ug/L	4.20		4.0	100	76 --- 122	5	20
1,1-Dichloroethene	4.10	ug/L	4.32		4.0	102	83 --- 123	5	20
1,1-Dichloropropene	4.14	ug/L	4.33		4.0	104	85 --- 120	4	20
1,2 Dichloroethane-d4	105	% Recovery			100	105	87 --- 107	0	
1,2,3-Trichlorobenzene	3.57	ug/L	3.66		4.0	89	78 --- 121	2	20
1,2,3-Trichloropropane	3.50	ug/L	3.58		4.0	88	62 --- 129	2	20
1,2,4-Trichlorobenzene	3.52	ug/L	3.87		4.0	88	80 --- 120	9	20
1,2,4-Trimethylbenzene	3.89	ug/L	4.08		4.0	97	76 --- 125	5	20
1,2-Dibromo-3-chloropropane	3.25	ug/L	3.49		4.0	81	69 --- 125	7	20
1,2-Dibromoethane	3.90	ug/L	3.94		4.0	98	80 --- 118	1	20
1,2-Dichlorobenzene	3.83	ug/L	3.99		4.0	96	80 --- 117	4	20
1,2-Dichloroethane	4.35	ug/L	4.24		4.0	109	78 --- 118	3	20
1,2-Dichloropropane	4.10	ug/L	4.06		4.0	102	78 --- 121	1	20
1,3,5-Trimethylbenzene	3.81	ug/L	4.00		4.0	95	76 --- 126	5	20
1,3-Dichlorobenzene	3.92	ug/L	4.08		4.0	98	78 --- 119	4	20
1,3-Dichloropropane	4.12	ug/L	4.04		4.0	103	82 --- 117	2	20
1,4-Dichlorobenzene	3.85	ug/L	4.04		4.0	96	77 --- 118	5	20
2,2-Dichloropropane	3.11	ug/L	3.97		4.0	78	71 --- 133	24	20
2-Butanone	40.5	ug/L	40.4		40.0	101	80 --- 120	0	20
2-Chlorotoluene	3.84	ug/L	3.99		4.0	96	73 --- 124	4	20
2-Hexanone	41.0	ug/L	39.8		40.0	102	73 --- 127	3	20
4-Chlorotoluene	3.90	ug/L	4.10		4.0	98	74 --- 125	5	20
4-Methyl-2-pentanone	42.5	ug/L	40.9		40.0	106	77 --- 125	4	20
Acetone	44.9	ug/L	42.8		40.0	112	72 --- 117	5	20
Benzene	3.97	ug/L	4.16		4.0	99	82 --- 118	5	20
Bromobenzene	3.87	ug/L	3.99		4.0	97	77 --- 118	3	20
Bromochloromethane	4.18	ug/L	4.30		4.0	104	81 --- 116	3	20
Bromodichloromethane	4.05	ug/L	4.10		4.0	101	80 --- 122	1	20
Bromofluorobenzene	98.0	% Recovery			100	98.0	90 --- 108	0	
Bromoform	3.64	ug/L	3.64		4.0	91	72 --- 124	0	20
Bromomethane	2.58	ug/L	2.87		4.0	64	25 --- 156	11	20
Carbon disulfide	8.14	ug/L	8.60		8.0	102	81 --- 124	5	20
Carbon tetrachloride	4.07	ug/L	4.34		4.0	102	87 --- 129	6	20
Chlorobenzene	3.90	ug/L	3.98		4.0	98	78 --- 118	2	20
Chloroethane	4.25	ug/L	4.45		4.0	106	73 --- 126	5	20
Chloroform	3.99	ug/L	4.14		4.0	100	76 --- 119	4	20
Chloromethane	3.76	ug/L	3.89		4.0	94	70 --- 121	3	20
cis-1,2-Dichloroethene	3.96	ug/L	4.22		4.0	99	82 --- 118	6	20

SDG #: 0

Folder #: 166228

Project #:

Lab Control Spike Duplicate Water

Analytical Run #:	197980	Analysis Date:	12/11/2021	Prep Batch #:	Matrix:	LIQUID
CTLab #:	1083840	Analysis Time:	08:27	Prep Date/Time:	Method:	SW8260C
Parent Sample #:	1083832	Analyst:	RLD	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	3.79	ug/L	3.98		4.0	95	81 --- 123	5	20
d8-Toluene	100	% Recovery			100	100	93 --- 108	0	
Dibromochloromethane	3.90	ug/L	3.81		4.0	98	76 --- 124	2	20
Dibromofluoromethane	102	% Recovery			100	102	93 --- 106	0	
Dibromomethane	4.22	ug/L	4.02		4.0	106	83 --- 115	5	20
Dichlorodifluoromethane	4.38	ug/L	4.49		4.0	110	78 --- 126	2	20
Diisopropyl ether	4.00	ug/L	4.09		4.0	100	75 --- 125	2	20
Ethylbenzene	3.86	ug/L	4.03		4.0	96	78 --- 125	4	20
Hexachlorobutadiene	3.46	ug/L	3.82		4.0	86	79 --- 123	10	20
Isopropylbenzene	3.91	ug/L	4.13		4.0	98	81 --- 124	5	20
m & p-Xylene	7.67	ug/L	8.04		8.0	96	80 --- 123	5	20
Methyl tert-butyl ether	4.15	ug/L	4.05		4.0	104	82 --- 116	2	20
Methylene chloride	5.60	ug/L	5.65		4.0	140	73 --- 128	1	20
n-Butylbenzene	3.89	ug/L	4.18		4.0	97	76 --- 127	7	20
n-Propylbenzene	3.89	ug/L	4.10		4.0	97	75 --- 129	5	20
Naphthalene	3.30	ug/L	3.59		4.0	82	64 --- 129	8	20
o-Xylene	3.80	ug/L	3.99		4.0	95	81 --- 121	5	20
p-Isopropyltoluene	3.87	ug/L	4.16		4.0	97	79 --- 126	7	20
sec-Butylbenzene	3.92	ug/L	4.15		4.0	98	76 --- 128	6	20
Styrene	3.83	ug/L	3.96		4.0	96	81 --- 122	3	20
tert-Butylbenzene	3.88	ug/L	4.09		4.0	97	76 --- 125	5	20
Tetrachloroethene	4.12	ug/L	4.32		4.0	103	82 --- 123	5	20
Tetrahydrofuran	41.7	ug/L	39.5		40.0	104	69 --- 122	5	20
Toluene	3.86	ug/L	4.07		4.0	96	82 --- 119	5	20
trans-1,2-Dichloroethene	3.94	ug/L	4.20		4.0	98	80 --- 122	6	20
trans-1,3-Dichloropropene	3.69	ug/L	3.85		4.0	92	83 --- 119	4	20
Trichloroethene	3.98	ug/L	4.18		4.0	100	82 --- 120	5	20
Trichlorofluoromethane	4.35	ug/L	4.51		4.0	109	78 --- 130	4	20
Vinyl acetate	39.8	ug/L	42.0		40.0	100	63 --- 136	5	20
Vinyl chloride	4.19	ug/L	4.38		4.0	105	73 --- 127	4	20

Lab Control Spike Water

Analytical Run #:	197980	Analysis Date:	12/10/2021	Prep Batch #:	Matrix:	LIQUID
CTLab #:	1083832	Analysis Time:	20:31	Prep Date/Time:	Method:	SW8260C
Parent Sample #:		Analyst:	RLD	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	3.89	ug/L			4.0	97	78 --- 121		20
1,1,1-Trichloroethane	4.33	ug/L			4.0	108	82 --- 122		20
1,1,2,2-Tetrachloroethane	3.73	ug/L			4.0	93	68 --- 128		20
1,1,2-Trichloroethane	4.13	ug/L			4.0	103	84 --- 114		20
1,1-Dichloroethane	4.20	ug/L			4.0	105	76 --- 122		20
1,1-Dichloroethene	4.32	ug/L			4.0	108	83 --- 123		20
1,1-Dichloropropene	4.33	ug/L			4.0	108	85 --- 120		20
1,2 Dichloroethane-d4	96.0	% Recovery			100	96.0	87 --- 107		
1,2,3-Trichlorobenzene	3.66	ug/L			4.0	92	78 --- 121		20
1,2,3-Trichloropropane	3.58	ug/L			4.0	90	62 --- 129		20
1,2,4-Trichlorobenzene	3.87	ug/L			4.0	97	80 --- 120		20
1,2,4-Trimethylbenzene	4.08	ug/L			4.0	102	76 --- 125		20
1,2-Dibromo-3-chloropropane	3.49	ug/L			4.0	87	69 --- 125		20
1,2-Dibromoethane	3.94	ug/L			4.0	98	80 --- 118		20
1,2-Dichlorobenzene	3.99	ug/L			4.0	100	80 --- 117		20
1,2-Dichloroethane	4.24	ug/L			4.0	106	78 --- 118		20
1,2-Dichloropropane	4.06	ug/L			4.0	102	78 --- 121		20
1,3,5-Trimethylbenzene	4.00	ug/L			4.0	100	76 --- 126		20
1,3-Dichlorobenzene	4.08	ug/L			4.0	102	78 --- 119		20
1,3-Dichloropropane	4.04	ug/L			4.0	101	82 --- 117		20
1,4-Dichlorobenzene	4.04	ug/L			4.0	101	77 --- 118		20
2,2-Dichloropropane	3.97	ug/L			4.0	99	71 --- 133		20
2-Butanone	40.4	ug/L			40.0	101	80 --- 120		20
2-Chlorotoluene	3.99	ug/L			4.0	100	73 --- 124		20
2-Hexanone	39.8	ug/L			40.0	100	73 --- 127		20
4-Chlorotoluene	4.10	ug/L			4.0	102	74 --- 125		20
4-Methyl-2-pentanone	40.9	ug/L			40.0	102	77 --- 125		20
Acetone	42.8	ug/L			40.0	107	72 --- 117		20
Benzene	4.16	ug/L			4.0	104	82 --- 118		20
Bromobenzene	3.99	ug/L			4.0	100	77 --- 118		20
Bromochloromethane	4.30	ug/L			4.0	108	81 --- 116		20
Bromodichloromethane	4.10	ug/L			4.0	102	80 --- 122		20
Bromofluorobenzene	97.0	% Recovery			100	97.0	90 --- 108		
Bromoform	3.64	ug/L			4.0	91	72 --- 124		20
Bromomethane	2.87	ug/L			4.0	72	25 --- 156		20
Carbon disulfide	8.60	ug/L			8.0	108	81 --- 124		20
Carbon tetrachloride	4.34	ug/L			4.0	108	87 --- 129		20
Chlorobenzene	3.98	ug/L			4.0	100	78 --- 118		20
Chloroethane	4.45	ug/L			4.0	111	73 --- 126		20
Chloroform	4.14	ug/L			4.0	104	76 --- 119		20
Chloromethane	3.89	ug/L			4.0	97	70 --- 121		20
cis-1,2-Dichloroethene	4.22	ug/L			4.0	106	82 --- 118		20

Lab Control Spike Water

Analytical Run #:	197980	Analysis Date:	12/10/2021	Prep Batch #:	Matrix:	LIQUID
CTLab #:	1083832	Analysis Time:	20:31	Prep Date/Time:	Method:	SW8260C
Parent Sample #:		Analyst:	RLD	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	3.98	ug/L			4.0	100	81 --- 123		20
d8-Toluene	101	% Recovery			100	101	93 --- 108		
Dibromochloromethane	3.81	ug/L			4.0	95	76 --- 124		20
Dibromofluoromethane	102	% Recovery			100	102	93 --- 106		
Dibromomethane	4.02	ug/L			4.0	100	83 --- 115		20
Dichlorodifluoromethane	4.49	ug/L			4.0	112	78 --- 126		20
Diisopropyl ether	4.09	ug/L			4.0	102	75 --- 125		20
Ethylbenzene	4.03	ug/L			4.0	101	78 --- 125		20
Hexachlorobutadiene	3.82	ug/L			4.0	96	79 --- 123		20
Isopropylbenzene	4.13	ug/L			4.0	103	81 --- 124		20
m & p-Xylene	8.04	ug/L			8.0	100	80 --- 123		20
Methyl tert-butyl ether	4.05	ug/L			4.0	101	82 --- 116		20
Methylene chloride	5.65	ug/L			4.0	141	73 --- 128		20
n-Butylbenzene	4.18	ug/L			4.0	104	76 --- 127		20
n-Propylbenzene	4.10	ug/L			4.0	102	75 --- 129		20
Naphthalene	3.59	ug/L			4.0	90	64 --- 129		20
o-Xylene	3.99	ug/L			4.0	100	81 --- 121		20
p-Isopropyltoluene	4.16	ug/L			4.0	104	79 --- 126		20
sec-Butylbenzene	4.15	ug/L			4.0	104	76 --- 128		20
Styrene	3.96	ug/L			4.0	99	81 --- 122		20
tert-Butylbenzene	4.09	ug/L			4.0	102	76 --- 125		20
Tetrachloroethene	4.32	ug/L			4.0	108	82 --- 123		20
Tetrahydrofuran	39.5	ug/L			40.0	99	69 --- 122		20
Toluene	4.07	ug/L			4.0	102	82 --- 119		20
trans-1,2-Dichloroethene	4.20	ug/L			4.0	105	80 --- 122		20
trans-1,3-Dichloropropene	3.85	ug/L			4.0	96	83 --- 119		20
Trichloroethene	4.18	ug/L			4.0	104	82 --- 120		20
Trichlorofluoromethane	4.51	ug/L			4.0	113	78 --- 130		20
Vinyl acetate	42.0	ug/L			40.0	105	63 --- 136		20
Vinyl chloride	4.38	ug/L			4.0	110	73 --- 127		20

Method Blank Water

Analytical Run #:	197980	Analysis Date:	12/10/2021	Prep Batch #:	Matrix:	LIQUID
CTLab #:	1083838	Analysis Time:	21:57	Prep Date/Time:	Method:	SW8260C
Parent Sample #:		Analyst:	RLD	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	0.013	ug/L		U	0		0.013		
1,1,1-Trichloroethane	0.013	ug/L		U	0		0.013		
1,1,2,2-Tetrachloroethane	0.015	ug/L		U	0		0.015		
1,1,2-Trichloroethane	0.036	ug/L		U	0		0.036		
1,1-Dichloroethane	0.017	ug/L		U	0		0.017		
1,1-Dichloroethene	0.024	ug/L		U	0		0.024		
1,1-Dichloropropene	0.074	ug/L		U	0		0.074		
1,2 Dichloroethane-d4	95.0	% Recovery			100	95.0	68 --- 120		
1,2,3-Trichlorobenzene	0.019	ug/L		U	0		0.019		
1,2,3-Trichloropropane	0.031	ug/L		U	0		0.031		
1,2,4-Trichlorobenzene	0.0222	ug/L		U	0		0.0222		
1,2,4-Trimethylbenzene	0.011	ug/L		U	0		0.011		
1,2-Dibromo-3-chloropropane	0.12	ug/L		U	0		0.12		
1,2-Dibromoethane	0.029	ug/L		U	0		0.029		
1,2-Dichlorobenzene	0.016	ug/L		U	0		0.016		
1,2-Dichloroethane	0.017	ug/L		U	0		0.017		
1,2-Dichloropropane	0.013	ug/L		U	0		0.013		
1,3,5-Trimethylbenzene	0.013	ug/L		U	0		0.013		
1,3-Dichlorobenzene	0.013	ug/L		U	0		0.013		
1,3-Dichloropropane	0.020	ug/L		U	0		0.020		
1,4-Dichlorobenzene	0.017	ug/L		U	0		0.017		
2,2-Dichloropropane	0.075	ug/L		U	0		0.075		
2-Butanone	0.31	ug/L		U	0		0.31		
2-Chlorotoluene	0.020	ug/L		U	0		0.020		
2-Hexanone	0.15	ug/L		U	0		0.15		
4-Chlorotoluene	0.013	ug/L		U	0		0.013		
4-Methyl-2-pentanone	0.19	ug/L		U	0		0.19		
Acetone	1.54	ug/L			0		0.84		
Benzene	0.022	ug/L		U	0		0.022		
Bromobenzene	0.018	ug/L		U	0		0.018		
Bromochloromethane	0.034	ug/L		U	0		0.034		
Bromodichloromethane	0.019	ug/L		U	0		0.019		
Bromofluorobenzene	96.0	% Recovery			100	96.0	68 --- 120		
Bromoform	0.041	ug/L		U	0		0.041		
Bromomethane	0.052	ug/L		U	0		0.052		
Carbon disulfide	0.11	ug/L		U	0		0.11		
Carbon tetrachloride	0.018	ug/L		U	0		0.018		
Chlorobenzene	0.013	ug/L		U	0		0.013		
Chloroethane	0.40	ug/L		U	0		0.40		
Chloroform	0.016	ug/L		U	0		0.016		
Chloromethane	0.045	ug/L		U	0		0.045		
cis-1,2-Dichloroethene	0.023	ug/L		U	0		0.023		

Method Blank Water

Analytical Run #:	197980	Analysis Date:	12/10/2021	Prep Batch #:	Matrix:	LIQUID
CTLab #:	1083838	Analysis Time:	21:57	Prep Date/Time:	Method:	SW8260C
Parent Sample #:		Analyst:	RLD	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	0.014	ug/L		U	0		0.014		
d8-Toluene	100	% Recovery			100	100	71 --- 117		
Dibromochloromethane	0.016	ug/L		U	0		0.016		
Dibromofluoromethane	100	% Recovery			100	100	67 --- 122		
Dibromomethane	0.018	ug/L		U	0		0.018		
Dichlorodifluoromethane	0.091	ug/L		U	0		0.091		
Diisopropyl ether	0.015	ug/L		U	0		0.015		
Ethylbenzene	0.014	ug/L		U	0		0.014		
Hexachlorobutadiene	0.027	ug/L		U	0		0.027		
Isopropylbenzene	0.014	ug/L		U	0		0.014		
m & p-Xylene	0.022	ug/L		U	0		0.022		
Methyl tert-butyl ether	0.014	ug/L		U	0		0.014		
Methylene chloride	1.44	ug/L			0		0.090		
n-Butylbenzene	0.021	ug/L		U	0		0.021		
n-Propylbenzene	0.013	ug/L		U	0		0.013		
Naphthalene	0.025	ug/L		U	0		0.025		
o-Xylene	0.016	ug/L		U	0		0.016		
p-Isopropyltoluene	0.016	ug/L		U	0		0.016		
sec-Butylbenzene	0.012	ug/L		U	0		0.012		
Styrene	0.014	ug/L		U	0		0.014		
tert-Butylbenzene	0.013	ug/L		U	0		0.013		
Tetrachloroethene	0.028	ug/L		U	0		0.028		
Tetrahydrofuran	0.38	ug/L		U	0		0.38		
Toluene	0.014	ug/L		U	0		0.014		
trans-1,2-Dichloroethene	0.020	ug/L		U	0		0.020		
trans-1,3-Dichloropropene	0.020	ug/L		U	0		0.020		
Trichloroethene	0.022	ug/L		U	0		0.022		
Trichlorofluoromethane	0.033	ug/L		U	0		0.033		
Vinyl acetate	0.14	ug/L		U	0		0.14		
Vinyl chloride	0.019	ug/L		U	0		0.019		

Lab Control Spike Water

Analytical Run #:	197983	Analysis Date:	12/9/2021	Prep Batch #:	83618	Matrix:	LIQUID
CTLab #:	1081093	Analysis Time:	11:54	Prep Date/Time:	12/06/2021 08:16	Method:	RSK175
Parent Sample #:		Analyst:	KMT	Prep Analyst:	KMT		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Ethane	4.31	ug/L			4.75	91	66 --- 129		20
Ethene	6.16	ug/L			6.77	91	68 --- 128		20
Methane	2.03	ug/L			2.28	89	71 --- 126		20

Method Blank Water

Analytical Run #:	197983	Analysis Date:	12/9/2021	Prep Batch #:	83618	Matrix:	LIQUID
CTLab #:	1081092	Analysis Time:	12:03	Prep Date/Time:	12/06/2021 08:16	Method:	RSK175
Parent Sample #:		Analyst:	KMT	Prep Analyst:	KMT		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Ethane	0.38	ug/L		U	0		0.38		
Ethene	0.59	ug/L		U	0		0.59		
Methane	0.45	ug/L		U	0		0.45		

Matrix Spike Duplicate Water

Analytical Run #:	197983	Analysis Date:	12/9/2021	Prep Batch #:	83618	Matrix:	GROUND WATER
CTLab #:	1081091	Analysis Time:	12:27	Prep Date/Time:	12/06/2021 08:16	Method:	RSK175
Parent Sample #:	1081090	Analyst:	KMT	Prep Analyst:	KMT		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Ethane	4.40	ug/L	BDL		4.75	93	50 --- 142	9	20
Ethene	6.09	ug/L	BDL		6.77	90	56 --- 138	5	43
Methane	55.8	ug/L	110		2.28	0	10 --- 163	25	20

Matrix Spike Water

Analytical Run #:	197983	Analysis Date:	12/9/2021	Prep Batch #:	83618	Matrix:	GROUND WATER
CTLab #:	1081090	Analysis Time:	12:22	Prep Date/Time:	12/06/2021 08:16	Method:	RSK175
Parent Sample #:	1080701	Analyst:	KMT	Prep Analyst:	KMT		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Ethane	4.02	ug/L	BDL		4.75	85	50 --- 142		20
Ethene	5.77	ug/L	BDL		6.77	85	56 --- 138		43
Methane	71.8	ug/L	110		2.28	0	10 --- 163		20

Sample Condition Report

Folder #: 166228	Print Date / Time: 12/03/2021 11:22
Client: HYDE ENVIRONMENTAL, INC.	Received Date / Time / By: 12/03/2021 10:50 erc
Project Name: OEC SUPERFUND WI	Log-In Date / Time / By: 12/03/2021 11:22 erc
Project Phase: ASHIPPUN, WI	Project #: PM: BMS
Coolers: 5421, 6571	Temperature: <3.8 C On Ice: Y
Custody Seals Present : Y	COC Present?: Y Complete? Y
Seal Intact? Y	Numbers: DATED AND SIGNED
Ship Method: UPS GROUND	Tracking Number: 1Z A377E9047517802, "48879198
Adequate Packaging: Y	Temp Blank Enclosed? Y

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

ONE CUSTODY SEAL WAS PRESENT AND INTACT ON EACH COOLER UPON RECEIPT - BOTH WERE DATED 12-2-21 AND SIGNED.

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
1080701 MW-105S	UNPRES PL	1	/	ALK,Anions
Total # of Containers of Type (UNPRES PL) = 1				
1080701 MW-105S	VOA HCL	1	/	GAS,VOC
	VOA HCL	1	/	GAS,VOC
	VOA HCL	1	/	GAS,VOC
	VOA HCL	1	N / N	GAS,VOC
	VOA HCL	1	/	GAS,VOC
	VOA HCL	1	/	GAS,VOC
	VOA HCL	1	N / N	GAS,VOC
	VOA HCL	1	N / N	GAS,VOC
Total # of Containers of Type (VOA HCL) = 8				
1080701 MW-105S	HNO3	1	Y / N	ICP
Total # of Containers of Type (HNO3) = 1				
1080701 MW-105S	NAOH W/ZNAC	1	Y / N	SLFD
Total # of Containers of Type (NAOH W/ZNAC) = 1				
1080701 MW-105S	H2SO4 PL	1	Y / N	TOC
Total # of Containers of Type (H2SO4 PL) = 1				

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
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1080702	MW-105S	HNO3	1	Y	/	N	ICP
		Total # of Containers of Type	(HNO3) = 1				
Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?		Tests		
1080703	MW-3D	UNPRES PL	1		/		ALK,Anions
		Total # of Containers of Type	(UNPRES PL) = 1				
1080703	MW-3D	VOA HCL	1		/		GAS,VOC
		VOA HCL	1		/		GAS,VOC
		VOA HCL	1		/		GAS,VOC
		VOA HCL	1		/		GAS,VOC
		VOA HCL	1		/		GAS,VOC
		VOA HCL	1		/		GAS,VOC
		VOA HCL	1	N	/	N	GAS,VOC
		VOA HCL	1	N	/	N	GAS,VOC
		Total # of Containers of Type	(VOA HCL) = 8				
1080703	MW-3D	HNO3	1	Y	/	N	ICP
		Total # of Containers of Type	(HNO3) = 1				
1080703	MW-3D	NAOH W/ZNAC	1	Y	/	N	SLFD
		Total # of Containers of Type	(NAOH W/ZNAC) = 1				
1080703	MW-3D	H2SO4 PL	1	Y	/	N	TOC
		Total # of Containers of Type	(H2SO4 PL) = 1				
Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?		Tests		
1080704	MW-3D	HNO3	1	Y	/	N	ICP
		Total # of Containers of Type	(HNO3) = 1				
Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?		Tests		
1080705	MW-4S	UNPRES PL	1		/		ALK,Anions
		Total # of Containers of Type	(UNPRES PL) = 1				
1080705	MW-4S	VOA HCL	1		/		GAS,VOC
		VOA HCL	1		/		GAS,VOC
		VOA HCL	1		/		GAS,VOC
		VOA HCL	1		/		GAS,VOC
		VOA HCL	1		/		GAS,VOC
		VOA HCL	1		/		GAS,VOC
		VOA HCL	1	N	/	N	GAS,VOC

VOA HCL 1 N / N GAS,VOC
Total # of Containers of Type (VOA HCL) = 8

1080705 MW-4S

HNO3 1 Y / N ICP
Total # of Containers of Type (HNO3) = 1

1080705 MW-4S

NAOH W/ZNAC 1 Y / N SLFD
Total # of Containers of Type (NAOH W/ZNAC) = 1

1080705 MW-4S

H2SO4 PL 1 Y / N TOC
Total # of Containers of Type (H2SO4 PL) = 1

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
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1080706 MW-4S

HNO3 1 Y / N ICP
Total # of Containers of Type (HNO3) = 1

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
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1080707 MW-14DR

UNPRES PL 1 / ALK,Anions
Total # of Containers of Type (UNPRES PL) = 1

1080707 MW-14DR

VOA HCL 1 / GAS,VOC
 VOA HCL 1 / GAS,VOC
 VOA HCL 1 / GAS,VOC
 VOA HCL 1 / GAS,VOC
 VOA HCL 1 / GAS,VOC
 VOA HCL 1 / GAS,VOC
 VOA HCL 1 N / N GAS,VOC
 VOA HCL 1 N / N GAS,VOC
Total # of Containers of Type (VOA HCL) = 8

1080707 MW-14DR

HNO3 1 Y / N ICP
Total # of Containers of Type (HNO3) = 1

1080707 MW-14DR

NAOH W/ZNAC 1 Y / N SLFD
Total # of Containers of Type (NAOH W/ZNAC) = 1

1080707 MW-14DR

H2SO4 PL 1 Y / N TOC
Total # of Containers of Type (H2SO4 PL) = 1

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
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1080708 MW-14DR

HNO3 1 Y / N ICP

Total # of Containers of Type (HNO3) = 1

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?		Tests
1080709 MW-101S	UNPRES PL	1	/		ALK,Anions
Total # of Containers of Type (UNPRES PL) = 1					
1080709 MW-101S	VOA HCL	1	/		GAS,VOC
	VOA HCL	1	/		GAS,VOC
	VOA HCL	1	/		GAS,VOC
	VOA HCL	1	/		GAS,VOC
	VOA HCL	1	/		GAS,VOC
	VOA HCL	1	/		GAS,VOC
	VOA HCL	1	N	/ N	GAS,VOC
	VOA HCL	1	N	/ N	GAS,VOC
Total # of Containers of Type (VOA HCL) = 8					
1080709 MW-101S	HNO3	1	Y	/ N	ICP
Total # of Containers of Type (HNO3) = 1					
1080709 MW-101S	NAOH W/ZNAC	1	Y	/ N	SLFD
Total # of Containers of Type (NAOH W/ZNAC) = 1					
1080709 MW-101S	H2SO4 PL	1	Y	/ N	TOC
Total # of Containers of Type (H2SO4 PL) = 1					
Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?		Tests
1080710 MW-101S	HNO3	1	Y	/ N	ICP
Total # of Containers of Type (HNO3) = 1					
Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?		Tests
1080711 MW-101B	UNPRES PL	1	/		ALK,Anions
Total # of Containers of Type (UNPRES PL) = 1					
1080711 MW-101B	VOA HCL	1	/		GAS,VOC
	VOA HCL	1	/		GAS,VOC
	VOA HCL	1	/		GAS,VOC
	VOA HCL	1	/		GAS,VOC
	VOA HCL	1	/		GAS,VOC
	VOA HCL	1	/		GAS,VOC
	VOA HCL	1	N	/ N	GAS,VOC
	VOA HCL	1	N	/ N	GAS,VOC
Total # of Containers of Type (VOA HCL) = 8					

1080711 MW-101B

HNO3 1 Y / N ICP
Total # of Containers of Type (HNO3) = 1

1080711 MW-101B

NAOH W/ZNAC 1 Y / N SLFD
Total # of Containers of Type (NAOH W/ZNAC) = 1

1080711 MW-101B

H2SO4 PL 1 Y / N TOC
Total # of Containers of Type (H2SO4 PL) = 1

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
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1080712 MW-101B

HNO3 1 Y / N ICP
Total # of Containers of Type (HNO3) = 1

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
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1080713 TW-202I

UNPRES PL 1 / ALK,Anions
Total # of Containers of Type (UNPRES PL) = 1

1080713 TW-202I

VOA HCL	1	/		GAS,VOC
VOA HCL	1	/		GAS,VOC
VOA HCL	1	/		GAS,VOC
VOA HCL	1	/		GAS,VOC
VOA HCL	1	/		GAS,VOC
VOA HCL	1	/		GAS,VOC
VOA HCL	1	N / N		GAS,VOC
VOA HCL	1	N / N		GAS,VOC
Total # of Containers of Type (VOA HCL) = 8				

1080713 TW-202I

HNO3 1 Y / N ICP
Total # of Containers of Type (HNO3) = 1

1080713 TW-202I

NAOH W/ZNAC 1 Y / N SLFD
Total # of Containers of Type (NAOH W/ZNAC) = 1

1080713 TW-202I

H2SO4 PL 1 Y / N TOC
Total # of Containers of Type (H2SO4 PL) = 1

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
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1080714 TW-202I

HNO3 1 Y / N ICP
Total # of Containers of Type (HNO3) = 1

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
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UNPRES PL 1 / ALK,Anions
Total # of Containers of Type (UNPRES PL) = 1

VOA HCL 1 / GAS,VOC
 VOA HCL 1 / GAS,VOC
 VOA HCL 1 / GAS,VOC
 VOA HCL 1 / GAS,VOC
 VOA HCL 1 / GAS,VOC
 VOA HCL 1 / GAS,VOC
 VOA HCL 1 N / N GAS,VOC
 VOA HCL 1 N / N GAS,VOC
Total # of Containers of Type (VOA HCL) = 8

HNO3 1 Y / N ICP
Total # of Containers of Type (HNO3) = 1

NAOH W/ZNAC 1 Y / N SLFD
Total # of Containers of Type (NAOH W/ZNAC) = 1

H2SO4 PL 1 Y / N TOC
Total # of Containers of Type (H2SO4 PL) = 1

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
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HNO3 1 Y / N ICP
Total # of Containers of Type (HNO3) = 1

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
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UNPRES PL 1 / ALK,Anions
Total # of Containers of Type (UNPRES PL) = 1

VOA HCL 1 / GAS,VOC
 VOA HCL 1 / GAS,VOC
 VOA HCL 1 / GAS,VOC
 VOA HCL 1 / GAS,VOC
 VOA HCL 1 / GAS,VOC
 VOA HCL 1 / GAS,VOC
 VOA HCL 1 N / N GAS,VOC
 VOA HCL 1 N / N GAS,VOC
Total # of Containers of Type (VOA HCL) = 8

HNO3 1 Y / N ICP
Total # of Containers of Type (HNO3) = 1

1080717	MW-102D	NAOH W/ZNAC	1	Y	/	N	SLFD
		Total # of Containers of Type	(NAOH W/ZNAC) = 1				
1080717	MW-102D	H2SO4 PL	1	Y	/	N	TOC
		Total # of Containers of Type	(H2SO4 PL) = 1				
Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?			Tests	
1080718	MW-102D	HNO3	1	Y	/	N	ICP
		Total # of Containers of Type	(HNO3) = 1				
Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?			Tests	
1080719	MW-15D	UNPRES PL	1		/		ALK,Anions
		Total # of Containers of Type	(UNPRES PL) = 1				
1080719	MW-15D	VOA HCL	1		/		GAS,VOC
		VOA HCL	1		/		GAS,VOC
		VOA HCL	1		/		GAS,VOC
		VOA HCL	1		/		GAS,VOC
		VOA HCL	1		/		GAS,VOC
		VOA HCL	1	N	/	N	GAS,VOC
		VOA HCL	1	N	/	N	GAS,VOC
		Total # of Containers of Type	(VOA HCL) = 8				
1080719	MW-15D	HNO3	1	Y	/	N	ICP
		Total # of Containers of Type	(HNO3) = 1				
1080719	MW-15D	NAOH W/ZNAC	1	Y	/	N	SLFD
		Total # of Containers of Type	(NAOH W/ZNAC) = 1				
1080719	MW-15D	H2SO4 PL	1	Y	/	N	TOC
		Total # of Containers of Type	(H2SO4 PL) = 1				
Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?			Tests	
1080720	MW-15D	HNO3	1	Y	/	N	ICP
		Total # of Containers of Type	(HNO3) = 1				
Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?			Tests	
1080721	TW-202I DUP	UNPRES PL	1		/		ALK,Anions
		Total # of Containers of Type	(UNPRES PL) = 1				

1080721 TW-2021 DUP

VOA HCL	1		/		GAS,VOC
VOA HCL	1		/		GAS,VOC
VOA HCL	1		/		GAS,VOC
VOA HCL	1		/		GAS,VOC
VOA HCL	1		/		GAS,VOC
VOA HCL	1		/		GAS,VOC
VOA HCL	1	N	/	N	GAS,VOC
VOA HCL	1	N	/	N	GAS,VOC

Total # of Containers of Type (VOA HCL) = 8

1080721 TW-2021 DUP

HNO3	1	Y	/	N	ICP
------	---	---	---	---	-----

Total # of Containers of Type (HNO3) = 1

1080721 TW-2021 DUP

NAOH W/ZNAC	1	Y	/	N	SLFD
-------------	---	---	---	---	------

Total # of Containers of Type (NAOH W/ZNAC) = 1

1080721 TW-2021 DUP

H2SO4 PL	1	Y	/	N	TOC
----------	---	---	---	---	-----

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

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

1080722 TW-2021 DUP

HNO3	1	Y	/	N	ICP
------	---	---	---	---	-----

Total # of Containers of Type (HNO3) = 1

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

1080723 MW-15S

UNPRES PL	1		/		ALK,Anions
-----------	---	--	---	--	------------

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

1080723 MW-15S

VOA HCL	1		/		GAS,VOC
VOA HCL	1		/		GAS,VOC
VOA HCL	1		/		GAS,VOC
VOA HCL	1		/		GAS,VOC
VOA HCL	1		/		GAS,VOC
VOA HCL	1		/		GAS,VOC
VOA HCL	1	N	/	N	GAS,VOC
VOA HCL	1	N	/	N	GAS,VOC

Total # of Containers of Type (VOA HCL) = 8

1080723 MW-15S

HNO3	1	Y	/	N	ICP
------	---	---	---	---	-----

Total # of Containers of Type (HNO3) = 1

1080723 MW-15S

NAOH W/ZNAC	1	Y	/	N	SLFD
-------------	---	---	---	---	------

Total # of Containers of Type (NAOH W/ZNAC) = 1

1080723 MW-15S

H2SO4 PL 1 Y / N TOC

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

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

1080724 MW-15S

HNO3 1 Y / N ICP

Total # of Containers of Type (HNO3) = 1

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

1080725 MW-15B

UNPRES PL 1 / ALK,Anions

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

1080725 MW-15B

VOA HCL	1	/		GAS,VOC
VOA HCL	1	/		GAS,VOC
VOA HCL	1	/		GAS,VOC
VOA HCL	1	/		GAS,VOC
VOA HCL	1	/		GAS,VOC
VOA HCL	1	/		GAS,VOC
VOA HCL	1	N / N		GAS,VOC
VOA HCL	1	N / N		GAS,VOC

Total # of Containers of Type (VOA HCL) = 8

1080725 MW-15B

HNO3 1 Y / N ICP

Total # of Containers of Type (HNO3) = 1

1080725 MW-15B

NAOH W/ZNAC 1 Y / N SLFD

Total # of Containers of Type (NAOH W/ZNAC) = 1

1080725 MW-15B

H2SO4 PL 1 Y / N TOC

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

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

1080726 MW-15B

HNO3 1 Y / N ICP

Total # of Containers of Type (HNO3) = 1

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

1080729 TB-120221

Trip Blank 1 / VOC

Total # of Containers of Type (Trip Blank) = 1

<u>Condition Code</u>	<u>Condition Description</u>
1	Sample Received OK

Company: **Hyde Environmental**
 Project Contact: **Jim Lindemann**
 Telephone: **262-250-4226**
 Project Name: **OEC Superfund WI**
 Project #:
 Location: **Ashippun WI**
 Sampled By: **Logan Cranley**

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

Folder #: 166228
 Company: HYDE ENVIRONMENTAL, INC
 Project: OCONOMOWOC ELECTROPLAT
 Logged By: erc PM: BMS

Program:
 QSM RCRA SDWA NPDES
 Solid Waste Other **Superfund**

PO #

Report To:
 EMAIL: **jclindemann@hyde-env.com**
 Company: **Hyde**
 Address: **W175N11163 Stonewood Dr. Ste. 110, Germantown, WI**

Invoice To:*
 EMAIL:
 Company: **Same**
 Address:

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

Client Special Instructions
Sample Containers with "F" printed on them have been field filtered

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

Filtered? Y/N	ANALYSES REQUESTED											Total # Containers	Designated MS/MSD
	VOCs (1,4-dioxane)	low level (8260C)	methane (E+hex)	Ethane (RSL 175)	Total Fe (Coloc)	Total Mn (Coloc)	Dissolved Fe (Coloc)	Dissolved Mn (Coloc)	Alkalinity (3102)	Chloride (9056)	Sulfate (9056)		

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

Collection		Matrix	Grab/Comp	Sample #	Sample ID Description	Filtered?	Fill in Spaces with Bottles per Test											CT Lab ID # <i>Lab use only</i>
Date	Time						VOCs	low level	methane	Ethane	Total Fe	Total Mn	Dissolved Fe	Dissolved Mn	Alkalinity	Chloride	Sulfate	
12-2-21	0700	GW	G		MW-105S	Y	4	4	1	1	1	1	1	1	1	1	1	1080701, 02
	0800				MW-3D	Y	4	4	1	1	1	1	1	1	1	1	1	0804
	0900				MW-4S	Y	4	4	1	1	1	1	1	1	1	1	1	05, 06
	0930				MW-140R	Y	4	4	1	1	1	1	1	1	1	1	1	07, 08
	1030				MW-101S	Y	4	4	1	1	1	1	1	1	1	1	1	09, 10
	1100				MW-101B	Y	4	4	1	1	1	1	1	1	1	1	1	11, 12
	1130				TW-2021	Y	4	4	1	1	1	1	1	1	1	1	1	13, 14
	1230				MW-102S	Y	4	4	1	1	1	1	1	1	1	1	1	15, 16
	1300				MW-102D	Y	4	4	1	1	1	1	1	1	1	1	1	17, 18
	1330				MW-15D	Y	4	4	1	1	1	1	1	1	1	1	1	19, 20
	1345				MW-15D TW-2021 Dup	Y	4	4	1	1	1	1	1	1	1	1	1	21, 22
	1430				MW-15S	Y	4	4	1	1	1	1	1	1	1	1	1	23, 24

Relinquished By: **Logan Cranley**
 Received by:

Date/Time: **12-2-21 1730**
 Date/Time:

Received By: **MC**
 Received for Laboratory by: **MC**
 166228 - Page 112 of 115

Date/Time: **12/3/21 1040**
 Date/Time: **12/3/21 1137**

Lab Use Only
 Ice Present No
 Temp **63.8** IR Gun **27**
 Cooler # **542, 6571**

Company: **Hyde Environmental**
 Project Contact: **Jim Lindeman**
 Telephone: **262-250-1226**
 Project Name: **OEL Superfund**
 Project #:
 Location: **Ashippun WI**
 Sampled By: **Logan Cranley**

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

Lab Use Only
 Place Header Sticker Here:
166228

Program:
 QSM RCRA SDWA NPDES
 Solid Waste Other **Superfund**

PO #

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

Report To:
 EMAIL: **jclindeman@hyde-env.com**
 Company: **Hyde**
 Address: **WI 75 N 1163 Stonewood Dr.
 110, German town, WI**

Invoice To:*
 EMAIL:
 Company: **Same**
 Address:

Client Special Instructions
Sample containers with "F" printed on them have been field filtered

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

Filtered? Y/N	ANALYSES REQUESTED											Total # Containers	Designated MS/MSD	Turnaround Time Normal RUSH* Date Needed: _____ Rush analysis requires prior CT Laboratories' approval Surcharges: 24 hr 200% 2-3 days 100% 4-9 days 50%
	VOCs + 1,4 Dioxane lowlevel (9200)	Methane Ethane Ethene (85175)	Total Fe (6010)	Total Mn (6010)	Dissolved Mn (6010)	Dissolved Fe (6010)	Alkalinity (3102)	chloride (9056)	Sulfate (9056)	Nitrate (9056)	Sulfide (504500-52F)			
Y	4	4	1	1	1	1	1	1	1	1	1			

Collection		Matrix	Grab/Comp	Sample #	Sample ID Description	Fill in Spaces with Bottles per Test											CT Lab ID # <i>Lab use only</i>								
Date	Time																								
12-2-21	1500	GW	G		MW-15B TRIP BLANK	Y	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1			108070526 " 99

Relinquished By:	Date/Time	Received By:	Date/Time	Lab Use Only Ice Present Yes No 27 Temp 27.6 IR Gun Cooler # 542, 6571
Received by:	Date/Time	Received for Laboratory by:	Date/Time	
		166228 - Page 113 of 115	12/3/11 1:37	

Cooler Receipt Form

Ice Present YES NO
 Observed Temperature 3.7
 Actual Temperature 3.7
 IR Gun # 27
 Initials Lnc
 Date 12/21/21 Time 1050
 Cooler #: 5421

CUSTODY SEAL
 DATE 12-21-21
Rogan Casey

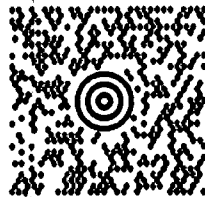
QEC
 Quality Environmental Containers
 800-255-3950 • www.qecusa.com

JIM LINDEMANN
 HYDE ENVIRONMENTAL
 W 175 N11163 STONEWOOD DRIVE
 GERMANTOWN WI 53022

50 LBS

RS

SHIP TO:
 SHIPPING DEPT
 (608) 356-2760
 CT LABS
 1230 LANGE CT
BARABOO WI 53913

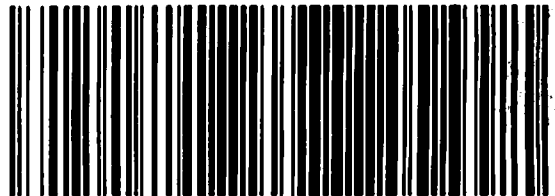


WI 539 0 - 10



UPS GROUND

TRACKING #: 1Z 1A3 77E 90 4887 9198



BILLING: P/P
DESC: ENVIRONMENTAL SAMPLES
RETURN SERVICE

WB 24.0.24 Zebra ZP 480 47.0A 11/2021



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Cooler Receipt Form

Ice Present YES NO
Observed Temperature 3.2
Actual Temperature 3.2
IR Gun # 77
Initials LM
Date 12/21/21 Time 1050
Cooler #: 6511

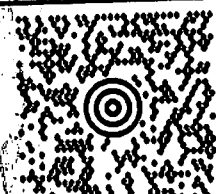

CUSTODY SEAL
DATE 12/21/21
SIGNATURE Jagan Vaidya
QEC
Quality Environmental C
800-255-3950 • www.qec.com

JIM LINDEMANN
HYBE ENVIRONMENTAL
W175 N11163 STONEWOOD DRIVE
GERMANTOWN WI 53022

50 LBS


RS

SHIP TO:
SHIPPING DEPT
(608) 356-2760
CT LABS
1230 LANGE CT
BARABOO WI 53913

WI 539 0-10



UPS GROUND

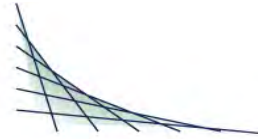
TRACKING #: 1Z 1A3 77E 90 4751 7802



BILLING: P/P
DESC: ENVIRONMENTAL SAMPLES
RETURN SERVICE

WS 24.0.24 Zebra ZP 450 47.0A 11/2021

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ANALYTICAL REPORT

This report at a minimum contains the following information:

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

ANALYTICAL REPORT

HYDE ENVIRONMENTAL, INC.
 JIM LINDEMANN
 W175 N11163 STONEWOOD DRIVE
 SUITE 110
 GERMANTOWN, WI 53022-6501

Project Name: OECl
 Project Phase: ASHIPUN, WI
 Contract #: 3451
 Project #:
 Folder #: 166266
 Purchase Order #:

Page 1 of 21
 Arrival Temperature: 1.5
 Report Date: 12/22/2021
 Date Received: 12/7/2021
 Reprint Date: 12/22/2021

CT LAB Sample#: 1081823	Sample Description: MW-16S	License/Well #: 04189/026	Sampled: 12/6/2021 12:30
-------------------------	----------------------------	---------------------------	--------------------------

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Dissolved Oxygen (Field)	2.01	mg/L			1			12/6/2021 00:00	SUB	FIELD
Depth to Groundwater (Field)	3.96	Feet			1			12/6/2021 00:00	SUB	FIELD
OX/REDOX (Field)	-44.1	MV			1			12/6/2021 00:00	SUB	FIELD
Color (Field)	CLEAR		N/A	N/A	1			12/6/2021 00:00	SUB	FIELD
Conductivity (Field)	1292	umhos/cm			1			12/6/2021 00:00	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			12/6/2021 00:00	SUB	FIELD
pH (Field)	8.16	S.U.			1			12/6/2021 00:00	SUB	FIELD
Temperature (Field)	7.98	Deg. C			1			12/6/2021 00:00	SUB	FIELD
Turbidity (Field)	135.10	NTU	N/A	N/A	1			12/6/2021 00:00	SUB	FIELD
Inorganic Results										
Alkalinity Total	390	mg/L	21	70	1			12/14/2021 11:06	lay	EPA 310.2
Total Sulfide	<1.0	mg/L	1.0		1			12/9/2021 10:10	ATJ	SM 4500-S2F
Nitrate Nitrogen Total	0.49	mg/L	0.12	0.40	1			12/7/2021 17:41	TMG	EPA 9056A
Total Chloride	200	mg/L	10	32	10			12/8/2021 09:26	TMG	EPA 9056A
Total Sulfate	85	mg/L	8.0	25	10			12/8/2021 09:26	TMG	EPA 9056A

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

CT LAB Sample#: 1081823

Sample Description: MW-16S

License/Well #: 04189/026

Sampled: 12/6/2021 12:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Total Organic Carbon	3.5	mg/L	0.4	1.3	1	Y		12/9/2021 11:01	KMT	EPA 9060A
Metals Results										
Total Iron	2.64	mg/L	0.033	0.11	1	M	12/8/2021 09:04	12/9/2021 10:42	NAH	EPA 6010C
Total Manganese	31.6	ug/L	1.5	5.0	1		12/8/2021 09:04	12/9/2021 10:42	NAH	EPA 6010C
Organic Results										
Ethane	<0.38	ug/L	0.38	1.3	1		12/14/2021 10:53	12/14/2021 13:30	KMT	RSK 175
Ethene	<0.59	ug/L	0.59	2.0	1		12/14/2021 10:53	12/14/2021 13:30	KMT	RSK 175
Methane	9.6	ug/L	0.45	1.5	1	M,Y	12/14/2021 10:53	12/14/2021 13:30	KMT	RSK 175
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			12/11/2021 04:38	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			12/11/2021 04:38	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			12/11/2021 04:38	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			12/11/2021 04:38	RLD	EPA 8260C
1,1-Dichloroethane	0.038	ug/L	0.017 *	0.10	1			12/11/2021 04:38	RLD	EPA 8260C
1,1-Dichloroethene	0.43	ug/L	0.024	0.10	1			12/11/2021 04:38	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			12/11/2021 04:38	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			12/11/2021 04:38	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			12/11/2021 04:38	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			12/11/2021 04:38	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			12/11/2021 04:38	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			12/11/2021 04:38	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			12/11/2021 04:38	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			12/11/2021 04:38	RLD	EPA 8260C
1,2-Dichloroethane	0.91	ug/L	0.017	0.10	1			12/11/2021 04:38	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			12/11/2021 04:38	RLD	EPA 8260C

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

CT LAB Sample#: 1081823

Sample Description: MW-16S

License/Well #: 04189/026

Sampled: 12/6/2021 12:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1		12/11/2021	04:38	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1		12/11/2021	04:38	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1		12/11/2021	04:38	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1		12/11/2021	04:38	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1	Y	12/11/2021	04:38	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1		12/11/2021	04:38	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1		12/11/2021	04:38	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1		12/11/2021	04:38	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1		12/11/2021	04:38	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1		12/11/2021	04:38	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1		12/11/2021	04:38	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1		12/11/2021	04:38	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1		12/11/2021	04:38	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1		12/11/2021	04:38	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1		12/11/2021	04:38	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1		12/11/2021	04:38	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1	Z	12/11/2021	04:38	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1		12/11/2021	04:38	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1		12/11/2021	04:38	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1		12/11/2021	04:38	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1		12/11/2021	04:38	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1		12/11/2021	04:38	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1		12/11/2021	04:38	RLD	EPA 8260C
cis-1,2-Dichloroethene	390	ug/L	0.58	2.5	25		12/11/2021	12:51	TMG	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1		12/11/2021	04:38	RLD	EPA 8260C

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

CT LAB Sample#: 1081823

Sample Description: MW-16S

License/Well #: 04189/026

Sampled: 12/6/2021 12:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1		12/11/2021	04:38	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1		12/11/2021	04:38	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1		12/11/2021	04:38	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1		12/11/2021	04:38	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1		12/11/2021	04:38	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1		12/11/2021	04:38	RLD	EPA 8260C
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1		12/11/2021	04:38	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1		12/11/2021	04:38	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1		12/11/2021	04:38	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1		12/11/2021	04:38	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1		12/11/2021	04:38	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1		12/11/2021	04:38	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1		12/11/2021	04:38	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1		12/11/2021	04:38	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1		12/11/2021	04:38	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1		12/11/2021	04:38	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1		12/11/2021	04:38	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1		12/11/2021	04:38	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1		12/11/2021	04:38	RLD	EPA 8260C
Tetrahydrofuran	0.60	ug/L	0.38 *	2.0	1		12/11/2021	04:38	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1		12/11/2021	04:38	RLD	EPA 8260C
trans-1,2-Dichloroethene	16	ug/L	0.020	0.10	1		12/11/2021	04:38	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1		12/11/2021	04:38	RLD	EPA 8260C
Trichloroethene	0.39	ug/L	0.022	0.10	1		12/11/2021	04:38	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1		12/11/2021	04:38	RLD	EPA 8260C

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

CT LAB Sample#: 1081823	Sample Description: MW-16S	License/Well #: 04189/026	Sampled: 12/6/2021 12:30
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			12/11/2021 04:38	RLD	EPA 8260C
Vinyl chloride	33	ug/L	0.48	2.5	25			12/11/2021 12:51	TMG	EPA 8260C
1,4-Dioxane	31	ug/L	7.0	23	1			12/11/2021 04:38	RLD	EPA 8260C

CT LAB Sample#: 1081824	Sample Description: MW-16S	License/Well #: 04189/026	Sampled: 12/6/2021 12:30
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Iron	2.02	mg/L	0.027	0.09	1			12/9/2021 05:10	NAH	EPA 6010C
Dissolved Manganese	33.0	ug/L	1.2	5.0	1			12/9/2021 05:10	NAH	EPA 6010C

CT LAB Sample#: 1081825	Sample Description: MW-13D	License/Well #: 04189/032	Sampled: 12/6/2021 13:00
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Dissolved Oxygen (Field)	1.31	mg/L			1			12/6/2021 00:00	SUB	FIELD
Depth to Groundwater (Field)	5.65	Feet			1			12/6/2021 00:00	SUB	FIELD
OX/REDOX (Field)	-66	MV			1			12/6/2021 00:00	SUB	FIELD
Color (Field)	CLEAR		N/A	N/A	1			12/6/2021 00:00	SUB	FIELD
Conductivity (Field)	1496.4	umhos/cm			1			12/6/2021 00:00	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			12/6/2021 00:00	SUB	FIELD
pH (Field)	9.28	S.U.			1			12/6/2021 00:00	SUB	FIELD
Temperature (Field)	9.28	Deg. C			1			12/6/2021 00:00	SUB	FIELD
Turbidity (Field)	159.17	NTU	N/A	N/A	1			12/6/2021 00:00	SUB	FIELD

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

CT LAB Sample#: 1081825 Sample Description: MW-13D License/Well #: 04189/032 Sampled: 12/6/2021 13:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Alkalinity Total	420	mg/L	21	70	1			12/14/2021 11:07	lay	EPA 310.2
Total Sulfide	<1.0	mg/L	1.0		1			12/9/2021 10:10	ATJ	SM 4500-S2F
Nitrate Nitrogen Total	<0.12	mg/L	0.12	0.40	1			12/7/2021 17:59	TMG	EPA 9056A
Total Chloride	260	mg/L	10	32	10			12/8/2021 09:44	TMG	EPA 9056A
Total Sulfate	120	mg/L	8.0	25	10			12/8/2021 09:44	TMG	EPA 9056A
Total Organic Carbon	2.1	mg/L	0.4	1.3	1			12/9/2021 11:51	KMT	EPA 9060A
Metals Results										
Total Iron	1.39	mg/L	0.033	0.11	1		12/8/2021 09:04	12/9/2021 11:34	NAH	EPA 6010C
Total Manganese	48.2	ug/L	1.5	5.0	1		12/8/2021 09:04	12/9/2021 11:34	NAH	EPA 6010C
Organic Results										
Ethane	<0.38	ug/L	0.38	1.3	1		12/14/2021 10:53	12/14/2021 13:48	KMT	RSK 175
Ethene	<0.59	ug/L	0.59	2.0	1		12/14/2021 10:53	12/14/2021 13:48	KMT	RSK 175
Methane	11	ug/L	0.45	1.5	1		12/14/2021 10:53	12/14/2021 13:48	KMT	RSK 175
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			12/11/2021 11:55	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			12/11/2021 11:55	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			12/11/2021 11:55	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			12/11/2021 11:55	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/11/2021 11:55	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			12/11/2021 11:55	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			12/11/2021 11:55	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			12/11/2021 11:55	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			12/11/2021 11:55	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			12/11/2021 11:55	RLD	EPA 8260C

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

CT LAB Sample#: 1081825

Sample Description: MW-13D

License/Well #: 04189/032

Sampled: 12/6/2021 13:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			12/11/2021 11:55	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			12/11/2021 11:55	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			12/11/2021 11:55	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			12/11/2021 11:55	RLD	EPA 8260C
1,2-Dichloroethane	0.17	ug/L	0.017	0.10	1			12/11/2021 11:55	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			12/11/2021 11:55	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			12/11/2021 11:55	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			12/11/2021 11:55	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			12/11/2021 11:55	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			12/11/2021 11:55	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1	Y		12/11/2021 11:55	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			12/11/2021 11:55	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			12/11/2021 11:55	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			12/11/2021 11:55	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			12/11/2021 11:55	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			12/11/2021 11:55	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			12/11/2021 11:55	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			12/11/2021 11:55	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			12/11/2021 11:55	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			12/11/2021 11:55	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			12/11/2021 11:55	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			12/11/2021 11:55	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			12/11/2021 11:55	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			12/11/2021 11:55	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			12/11/2021 11:55	RLD	EPA 8260C

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

CT LAB Sample#: 1081825

Sample Description: MW-13D

License/Well #: 04189/032

Sampled: 12/6/2021 13:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Chlorobenzene	<0.013	ug/L	0.013	0.10	1		12/11/2021	11:55	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1		12/11/2021	11:55	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1		12/11/2021	11:55	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1		12/11/2021	11:55	RLD	EPA 8260C
cis-1,2-Dichloroethene	13	ug/L	0.023	0.10	1		12/11/2021	11:55	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1		12/11/2021	11:55	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1		12/11/2021	11:55	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1		12/11/2021	11:55	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1		12/11/2021	11:55	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1		12/11/2021	11:55	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1		12/11/2021	11:55	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1		12/11/2021	11:55	RLD	EPA 8260C
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1		12/11/2021	11:55	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1		12/11/2021	11:55	RLD	EPA 8260C
Methyl tert-butyl ether	0.94	ug/L	0.014	0.10	1		12/11/2021	11:55	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1		12/11/2021	11:55	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1		12/11/2021	11:55	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1		12/11/2021	11:55	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1		12/11/2021	11:55	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1		12/11/2021	11:55	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1		12/11/2021	11:55	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1		12/11/2021	11:55	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1		12/11/2021	11:55	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1		12/11/2021	11:55	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1		12/11/2021	11:55	RLD	EPA 8260C

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

CT LAB Sample#: 1081825	Sample Description: MW-13D	License/Well #: 04189/032	Sampled: 12/6/2021 13:00
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			12/11/2021 11:55	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			12/11/2021 11:55	RLD	EPA 8260C
trans-1,2-Dichloroethene	0.67	ug/L	0.020	0.10	1			12/11/2021 11:55	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			12/11/2021 11:55	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			12/11/2021 11:55	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			12/11/2021 11:55	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			12/11/2021 11:55	RLD	EPA 8260C
Vinyl chloride	0.25	ug/L	0.019	0.10	1			12/11/2021 11:55	RLD	EPA 8260C
1,4-Dioxane	<7.0	ug/L	7.0	23	1			12/11/2021 11:55	RLD	EPA 8260C

CT LAB Sample#: 1081826	Sample Description: MW-13D	License/Well #: 04189/032	Sampled: 12/6/2021 13:00
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Iron	1.42	mg/L	0.027	0.09	1			12/9/2021 05:18	NAH	EPA 6010C
Dissolved Manganese	48.8	ug/L	1.2	5.0	1			12/9/2021 05:18	NAH	EPA 6010C

CT LAB Sample#: 1081827	Sample Description: MW-13S	License/Well #: 04189/023	Sampled: 12/6/2021 14:00
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Dissolved Oxygen (Field)	4.54	mg/L			1			12/6/2021 00:00	SUB	FIELD
Depth to Groundwater (Field)	6.88	Feet			1			12/6/2021 00:00	SUB	FIELD
OX/REDOX (Field)	17	MV			1			12/6/2021 00:00	SUB	FIELD

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

CT LAB Sample#: 1081827

Sample Description: MW-13S

License/Well #: 04189/023

Sampled: 12/6/2021 14:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Color (Field)	CLEAR		N/A	N/A	1			12/6/2021 00:00	SUB	FIELD
Conductivity (Field)	814.79	umhos/cm			1			12/6/2021 00:00	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			12/6/2021 00:00	SUB	FIELD
pH (Field)	7.88	S.U.			1			12/6/2021 00:00	SUB	FIELD
Temperature (Field)	8.79	Deg. C			1			12/6/2021 00:00	SUB	FIELD
Turbidity (Field)	162.80	NTU	N/A	N/A	1			12/6/2021 00:00	SUB	FIELD
Inorganic Results										
Alkalinity Total	270	mg/L	21	70	1			12/14/2021 11:09	lay	EPA 310.2
Total Sulfide	<1.0	mg/L	1.0		1			12/9/2021 10:10	ATJ	SM 4500-S2F
Nitrate Nitrogen Total	4.3	mg/L	0.12	0.40	1			12/7/2021 18:17	TMG	EPA 9056A
Total Chloride	110	mg/L	10	32	10			12/8/2021 10:02	TMG	EPA 9056A
Total Sulfate	15	mg/L	0.80	2.5	1			12/7/2021 18:17	TMG	EPA 9056A
Total Organic Carbon	0.67	mg/L	0.4 *	1.3	1			12/9/2021 12:03	KMT	EPA 9060A
Metals Results										
Total Iron	0.375	mg/L	0.033	0.11	1		12/8/2021 09:04	12/9/2021 11:42	NAH	EPA 6010C
Total Manganese	50.4	ug/L	1.5	5.0	1		12/8/2021 09:04	12/9/2021 11:42	NAH	EPA 6010C
Organic Results										
Ethane	<0.38	ug/L	0.38	1.3	1		12/14/2021 10:53	12/14/2021 13:53	KMT	RSK 175
Ethene	<0.59	ug/L	0.59	2.0	1		12/14/2021 10:53	12/14/2021 13:53	KMT	RSK 175
Methane	<0.45	ug/L	0.45	1.5	1		12/14/2021 10:53	12/14/2021 13:53	KMT	RSK 175
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			12/11/2021 10:58	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			12/11/2021 10:58	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			12/11/2021 10:58	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			12/11/2021 10:58	RLD	EPA 8260C

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

CT LAB Sample#: 1081827

Sample Description: MW-13S

License/Well #: 04189/023

Sampled: 12/6/2021 14:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/11/2021 10:58	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			12/11/2021 10:58	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			12/11/2021 10:58	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			12/11/2021 10:58	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			12/11/2021 10:58	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			12/11/2021 10:58	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			12/11/2021 10:58	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			12/11/2021 10:58	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			12/11/2021 10:58	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			12/11/2021 10:58	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/11/2021 10:58	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			12/11/2021 10:58	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			12/11/2021 10:58	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			12/11/2021 10:58	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			12/11/2021 10:58	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			12/11/2021 10:58	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1	Y		12/11/2021 10:58	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			12/11/2021 10:58	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			12/11/2021 10:58	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			12/11/2021 10:58	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			12/11/2021 10:58	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			12/11/2021 10:58	RLD	EPA 8260C
Acetone	2.9	ug/L	0.84 *	4.0	1	B		12/11/2021 10:58	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			12/11/2021 10:58	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			12/11/2021 10:58	RLD	EPA 8260C

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

CT LAB Sample#: 1081827

Sample Description: MW-13S

License/Well #: 04189/023

Sampled: 12/6/2021 14:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			12/11/2021 10:58	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			12/11/2021 10:58	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			12/11/2021 10:58	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1	Z		12/11/2021 10:58	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			12/11/2021 10:58	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			12/11/2021 10:58	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			12/11/2021 10:58	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			12/11/2021 10:58	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			12/11/2021 10:58	RLD	EPA 8260C
Chloromethane	0.11	ug/L	0.045 *	0.20	1			12/11/2021 10:58	RLD	EPA 8260C
cis-1,2-Dichloroethene	0.064	ug/L	0.023 *	0.10	1			12/11/2021 10:58	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			12/11/2021 10:58	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			12/11/2021 10:58	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			12/11/2021 10:58	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			12/11/2021 10:58	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			12/11/2021 10:58	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			12/11/2021 10:58	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			12/11/2021 10:58	RLD	EPA 8260C
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1			12/11/2021 10:58	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			12/11/2021 10:58	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			12/11/2021 10:58	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			12/11/2021 10:58	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			12/11/2021 10:58	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			12/11/2021 10:58	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			12/11/2021 10:58	RLD	EPA 8260C

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

CT LAB Sample#: 1081827 Sample Description: MW-13S License/Well #: 04189/023 Sampled: 12/6/2021 14:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
o-Xylene	<0.016	ug/L	0.016	0.10	1		12/11/2021	10:58	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1		12/11/2021	10:58	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1		12/11/2021	10:58	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1		12/11/2021	10:58	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1		12/11/2021	10:58	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1		12/11/2021	10:58	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1		12/11/2021	10:58	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1		12/11/2021	10:58	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1		12/11/2021	10:58	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1		12/11/2021	10:58	RLD	EPA 8260C
Trichloroethene	0.15	ug/L	0.022	0.10	1		12/11/2021	10:58	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1		12/11/2021	10:58	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1		12/11/2021	10:58	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1		12/11/2021	10:58	RLD	EPA 8260C
1,4-Dioxane	<7.0	ug/L	7.0	23	1		12/11/2021	10:58	RLD	EPA 8260C

CT LAB Sample#: 1081828 Sample Description: MW-13S License/Well #: 04189/023 Sampled: 12/6/2021 14:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Iron	<0.027	mg/L	0.027	0.09	1		12/9/2021	05:26	NAH	EPA 6010C
Dissolved Manganese	<1.2	ug/L	1.2	5.0	1		12/9/2021	05:26	NAH	EPA 6010C

CT LAB Sample#: 1081829 Sample Description: MW-13S DUP License/Well #: 04189/023 Sampled: 12/6/2021 14:15

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Alkalinity Total	270	mg/L	21	70	1			12/14/2021 11:11	lay	EPA 310.2
Total Sulfide	<1.0	mg/L	1.0		1			12/9/2021 10:10	ATJ	SM 4500-S2F
Nitrate Nitrogen Total	4.3	mg/L	0.12	0.40	1			12/7/2021 18:35	TMG	EPA 9056A
Total Chloride	110	mg/L	10	32	10			12/8/2021 10:20	TMG	EPA 9056A
Total Sulfate	14	mg/L	0.80	2.5	1			12/7/2021 18:35	TMG	EPA 9056A
Total Organic Carbon	0.87	mg/L	0.4 *	1.3	1			12/9/2021 12:16	KMT	EPA 9060A
Metals Results										
Total Iron	0.399	mg/L	0.033	0.11	1		12/8/2021 09:04	12/9/2021 11:49	NAH	EPA 6010C
Total Manganese	55.8	ug/L	1.5	5.0	1		12/8/2021 09:04	12/9/2021 11:49	NAH	EPA 6010C
Organic Results										
Ethane	<0.38	ug/L	0.38	1.3	1		12/14/2021 10:53	12/14/2021 14:00	KMT	RSK 175
Ethene	<0.59	ug/L	0.59	2.0	1		12/14/2021 10:53	12/14/2021 14:00	KMT	RSK 175
Methane	<0.45	ug/L	0.45	1.5	1		12/14/2021 10:53	12/14/2021 14:00	KMT	RSK 175
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			12/11/2021 11:26	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			12/11/2021 11:26	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			12/11/2021 11:26	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			12/11/2021 11:26	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/11/2021 11:26	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			12/11/2021 11:26	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			12/11/2021 11:26	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			12/11/2021 11:26	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			12/11/2021 11:26	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			12/11/2021 11:26	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#: 1081829

Sample Description: MW-13S DUP

License/Well #: 04189/023

Sampled: 12/6/2021 14:15

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			12/11/2021 11:26	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			12/11/2021 11:26	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			12/11/2021 11:26	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			12/11/2021 11:26	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/11/2021 11:26	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			12/11/2021 11:26	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			12/11/2021 11:26	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			12/11/2021 11:26	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			12/11/2021 11:26	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			12/11/2021 11:26	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1	Y		12/11/2021 11:26	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			12/11/2021 11:26	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			12/11/2021 11:26	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			12/11/2021 11:26	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			12/11/2021 11:26	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			12/11/2021 11:26	RLD	EPA 8260C
Acetone	2.7	ug/L	0.84 *	4.0	1	B		12/11/2021 11:26	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			12/11/2021 11:26	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			12/11/2021 11:26	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			12/11/2021 11:26	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			12/11/2021 11:26	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			12/11/2021 11:26	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1	Z		12/11/2021 11:26	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			12/11/2021 11:26	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			12/11/2021 11:26	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#: 1081829 Sample Description: MW-13S DUP

License/Well #: 04189/023

Sampled: 12/6/2021 14:15

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Chlorobenzene	<0.013	ug/L	0.013	0.10	1		12/11/2021	11:26	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1		12/11/2021	11:26	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1		12/11/2021	11:26	RLD	EPA 8260C
Chloromethane	0.19	ug/L	0.045 *	0.20	1		12/11/2021	11:26	RLD	EPA 8260C
cis-1,2-Dichloroethene	0.055	ug/L	0.023 *	0.10	1		12/11/2021	11:26	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1		12/11/2021	11:26	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1		12/11/2021	11:26	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1		12/11/2021	11:26	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1		12/11/2021	11:26	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1		12/11/2021	11:26	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1		12/11/2021	11:26	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1		12/11/2021	11:26	RLD	EPA 8260C
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1		12/11/2021	11:26	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1		12/11/2021	11:26	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1		12/11/2021	11:26	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1		12/11/2021	11:26	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1		12/11/2021	11:26	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1		12/11/2021	11:26	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1		12/11/2021	11:26	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1		12/11/2021	11:26	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1		12/11/2021	11:26	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1		12/11/2021	11:26	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1		12/11/2021	11:26	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1		12/11/2021	11:26	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1		12/11/2021	11:26	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#: 1081829	Sample Description: MW-13S DUP	License/Well #: 04189/023	Sampled: 12/6/2021 14:15
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			12/11/2021 11:26	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			12/11/2021 11:26	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			12/11/2021 11:26	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			12/11/2021 11:26	RLD	EPA 8260C
Trichloroethene	0.13	ug/L	0.022	0.10	1			12/11/2021 11:26	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			12/11/2021 11:26	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			12/11/2021 11:26	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			12/11/2021 11:26	RLD	EPA 8260C
1,4-Dioxane	<7.0	ug/L	7.0	23	1			12/11/2021 11:26	RLD	EPA 8260C

CT LAB Sample#: 1081830	Sample Description: MW-13S DUP	License/Well #: 04189/023	Sampled: 12/6/2021 14:15
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Iron	<0.027	mg/L	0.027	0.09	1			12/9/2021 05:33	NAH	EPA 6010C
Dissolved Manganese	<1.2	ug/L	1.2	5.0	1			12/9/2021 05:33	NAH	EPA 6010C

CT LAB Sample#: 1081831	Sample Description: TB-120621	License/Well #: 04189/999	Sampled: 12/6/2021
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			12/10/2021 22:54	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			12/10/2021 22:54	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			12/10/2021 22:54	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#: 1081831

Sample Description: TB-120621

License/Well #: 04189/999

Sampled: 12/6/2021

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			12/10/2021 22:54	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/10/2021 22:54	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			12/10/2021 22:54	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			12/10/2021 22:54	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			12/10/2021 22:54	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			12/10/2021 22:54	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			12/10/2021 22:54	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			12/10/2021 22:54	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			12/10/2021 22:54	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			12/10/2021 22:54	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			12/10/2021 22:54	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/10/2021 22:54	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			12/10/2021 22:54	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			12/10/2021 22:54	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			12/10/2021 22:54	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			12/10/2021 22:54	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			12/10/2021 22:54	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1	Y		12/10/2021 22:54	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			12/10/2021 22:54	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			12/10/2021 22:54	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			12/10/2021 22:54	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			12/10/2021 22:54	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			12/10/2021 22:54	RLD	EPA 8260C
Acetone	1.4	ug/L	0.84 *	4.0	1	B		12/10/2021 22:54	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			12/10/2021 22:54	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#: 1081831

Sample Description: TB-120621

License/Well #: 04189/999

Sampled: 12/6/2021

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Bromobenzene	<0.018	ug/L	0.018	0.10	1			12/10/2021 22:54	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			12/10/2021 22:54	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			12/10/2021 22:54	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			12/10/2021 22:54	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1	Z		12/10/2021 22:54	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			12/10/2021 22:54	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			12/10/2021 22:54	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			12/10/2021 22:54	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			12/10/2021 22:54	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			12/10/2021 22:54	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			12/10/2021 22:54	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1			12/10/2021 22:54	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			12/10/2021 22:54	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			12/10/2021 22:54	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			12/10/2021 22:54	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			12/10/2021 22:54	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			12/10/2021 22:54	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			12/10/2021 22:54	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			12/10/2021 22:54	RLD	EPA 8260C
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1			12/10/2021 22:54	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			12/10/2021 22:54	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			12/10/2021 22:54	RLD	EPA 8260C
Methylene chloride	1.1	ug/L	0.090	0.40	1	Q,Z,B		12/10/2021 22:54	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			12/10/2021 22:54	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			12/10/2021 22:54	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#: 1081831

Sample Description: TB-120621

License/Well #: 04189/999

Sampled: 12/6/2021

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Naphthalene	<0.025	ug/L	0.025	0.10	1		12/10/2021	22:54	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1		12/10/2021	22:54	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1		12/10/2021	22:54	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1		12/10/2021	22:54	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1		12/10/2021	22:54	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1		12/10/2021	22:54	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1		12/10/2021	22:54	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1		12/10/2021	22:54	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1		12/10/2021	22:54	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1		12/10/2021	22:54	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1		12/10/2021	22:54	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1		12/10/2021	22:54	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1		12/10/2021	22:54	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1		12/10/2021	22:54	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1		12/10/2021	22:54	RLD	EPA 8260C
1,4-Dioxane	37	ug/L	7.0	23	1		12/10/2021	22:54	RLD	EPA 8260C

Notes regarding entire Chain of Custody:

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

QC Qualifiers

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

Current CT Laboratories Certifications

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

Preventative Action Limit (PAL) Exceedances

12/22/2021

Location/Landfill: **OECI**

License #: **04189**

Page 1 of 1

Well Description: MW-13D		Well #: 032		Sample Date		12/06/2021	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units	
Total Chloride	00940	260	125	250	10	mg/L	
Dissolved Iron	01046	1.42	0.15	0.30	0.027	mg/L	
Total Iron	74010	1.39	0.15	0.3	0.033	mg/L	
cis-1,2-Dichloroethene	77093	13	7.00	70.00	0.023	ug/L	
Vinyl chloride	39175	0.25	0.02	0.20	0.019	ug/L	

Well Description: MW-13S		Well #: 023		Sample Date		12/06/2021	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units	
Nitrate Nitrogen Total	00620	4.3	2	10	0.12	mg/L	
Total Iron	74010	0.375	0.15	0.3	0.033	mg/L	

Well Description: MW-13S DUP		Well #: 023		Sample Date		12/06/2021	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units	
Nitrate Nitrogen Total	00620	4.3	2	10	0.12	mg/L	
Total Iron	74010	0.399	0.15	0.3	0.033	mg/L	

Well Description: MW-16S		Well #: 026		Sample Date		12/06/2021	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units	
Total Chloride	00940	200	125	250	10	mg/L	
Dissolved Iron	01046	2.02	0.15	0.30	0.027	mg/L	
Total Iron	74010	2.64	0.15	0.3	0.033	mg/L	
1,2-Dichloroethane	32103	0.91	0.5	5	0.017	ug/L	
1,4-Dioxane	82388	31	0.3	3	7.0	ug/L	
cis-1,2-Dichloroethene	77093	390	7.00	70.00	0.58	ug/L	
Vinyl chloride	39175	33	0.02	0.20	0.48	ug/L	

Selected Indicators - Summary

Location/Landfill:		OCONOMOWOC ELECTROPLATING		License #:	04189	12/22/2021
Sample Date		Sample ID				
12/06/2021	Color (Field)	MW-13D CLEAR	MW-13S CLEAR	MW-13S DUP	MW-16S CLEAR	
	Conductivity (Field)	1496.4	814.79		1292	
	Depth to Groundwater	5.65	6.88		3.96	
	Nitrate Nitrogen T/D	<0.12	4.3	4.3	0.49	
	Odor (Field)	NONE	NONE		NONE	
	OX/REDOX (Field)	-66	17		-44.1	
	pH (Field)	9.28	7.88		8.16	
	T/D Alkalinity	420	270	270	390	
	T/D Chloride	260	110	110	200	
	T/D Iron	1.39	<0.027	<0.027	2.02	
	T/D Manganese	48.2	<1.2	<1.2	31.6	
	T/D Organic Carbon	2.1	0.67	0.87	3.5	
	T/D Oxygen (Field)	1.31	4.54		2.01	
	T/D Sulfate	120	15	14	85	
	T/D Sulfide	<1.0	<1.0	<1.0	<1.0	
	Temperature (Field)	9.28	8.79		7.98	
	Turbidity (Field)	159.17	162.80		135.10	

QC Summary Report

HYDE ENVIRONMENTAL, INC.

Project Name: OECl

SDG #: 0

Folder #: 166266

Project #:

Duplicate

Analytical Run #:	198042	Analysis Date:	12/7/2021	Prep Batch #:	Matrix:	GROUND WATER
CTLab #:	1082387	Analysis Time:	18:53	Prep Date/Time:	Method:	SW9056A
Parent Sample #:	1081829	Analyst:	TMG	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Nitrate Nitrogen Total	4.33	mg/L	4.3					1	18
Total Chloride	105	mg/L	110					5	10
Total Sulfate	14.4	mg/L	14					3	10

Lab Control Spike Water

Analytical Run #:	198042	Analysis Date:	12/7/2021	Prep Batch #:	Matrix:	LIQUID
CTLab #:	1082383	Analysis Time:	12:52	Prep Date/Time:	Method:	SW9056A
Parent Sample #:		Analyst:	TMG	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Chloride	14.01	mg/L			15.00	93	80 --- 120		
Nitrate Nitrogen	3.511	mg/L			3.500	100	80 --- 120		
Sulfate	24.77	mg/L			25.00	99	80 --- 120		

Method Blank Water

Analytical Run #:	198042	Analysis Date:	12/7/2021	Prep Batch #:	Matrix:	LIQUID
CTLab #:	1082384	Analysis Time:	13:10	Prep Date/Time:	Method:	SW9056A
Parent Sample #:		Analyst:	TMG	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Chloride	1.0	mg/L		U	0		1.0		
Nitrate Nitrogen	0.12	mg/L		U	0		0.12		
Sulfate	0.8	mg/L		U	0		0.8		

Matrix Spike Water

Analytical Run #:	198042	Analysis Date:	12/7/2021	Prep Batch #:	Matrix:	GROUND WATER
CTLab #:	1082388	Analysis Time:	19:11	Prep Date/Time:	Method:	SW9056A
Parent Sample #:	1081829	Analyst:	TMG	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Nitrate Nitrogen Total	6.29	mg/L	4.3		2.00	100	58 --- 143		20
Total Chloride	177	mg/L	110		80.0	84	47 --- 120		20
Total Sulfate	21.4	mg/L	14		8.00	92	49 --- 120		20

Duplicate

Analytical Run #:	198088	Analysis Date:	12/9/2021	Prep Batch #:	Matrix:	GROUND WATER
CTLab #:	1083003	Analysis Time:	11:14	Prep Date/Time:	Method:	SW9060
Parent Sample #:	1081823	Analyst:	KMT	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Total Organic Carbon	2.83	mg/L	3.5					21	20

Lab Control Spike Water

Analytical Run #:	198088	Analysis Date:	12/9/2021	Prep Batch #:	Matrix:	LIQUID
CTLab #:	1083001	Analysis Time:	10:28	Prep Date/Time:	Method:	SW9060
Parent Sample #:		Analyst:	KMT	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Total Organic Carbon	51.38	mg/L			50.0	103	83 --- 114		

Method Blank Water

Analytical Run #:	198088	Analysis Date:	12/9/2021	Prep Batch #:	Matrix:	LIQUID
CTLab #:	1083002	Analysis Time:	10:41	Prep Date/Time:	Method:	SW9060
Parent Sample #:		Analyst:	KMT	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Total Organic Carbon	0.4	mg/L		U	0		0.4		

Matrix Spike Duplicate Water

Analytical Run #:	198088	Analysis Date:	12/9/2021	Prep Batch #:	Matrix:	GROUND WATER
CTLab #:	1083005	Analysis Time:	11:39	Prep Date/Time:	Method:	SW9060
Parent Sample #:	1083004	Analyst:	KMT	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Total Organic Carbon	50.0	mg/L	3.5		50.0	93	78 --- 118	1	6

Matrix Spike Water

Analytical Run #:	198088	Analysis Date:	12/9/2021	Prep Batch #:	Matrix:	GROUND WATER
CTLab #:	1083004	Analysis Time:	11:27	Prep Date/Time:	Method:	SW9060
Parent Sample #:	1081823	Analyst:	KMT	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Total Organic Carbon	49.4	mg/L	3.5		50.0	92	78 --- 118		6

Duplicate

Analytical Run #:	198094	Analysis Date:	12/9/2021	Prep Batch #:	Matrix:	GROUND WATER
CTLab #:	1082900	Analysis Time:	10:10	Prep Date/Time:	Method:	SW9034
Parent Sample #:	1081829	Analyst:	DC	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Dissolved Sulfide	1.0	mg/L	0	U				0	20
Total Sulfide	1.0	mg/L	0	U				0	20

Lab Control Spike Water

Analytical Run #:	198094	Analysis Date:	12/9/2021	Prep Batch #:	Matrix:	LIQUID
CTLab #:	1082897	Analysis Time:	10:10	Prep Date/Time:	Method:	SW9034
Parent Sample #:		Analyst:	DC	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Sulfide	4.820	mg/L			5.0	96	90 --- 110		

Method Blank Water

Analytical Run #:	198094	Analysis Date:	12/9/2021	Prep Batch #:	Matrix:	LIQUID
CTLab #:	1082898	Analysis Time:	10:10	Prep Date/Time:	Method:	SW9034
Parent Sample #:		Analyst:	DC	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Sulfide	1	mg/L		U	0			1	

Duplicate

Analytical Run #:	198215	Analysis Date:	12/14/2021	Prep Batch #:	Matrix:	GROUND WATER
CTLab #:	1084290	Analysis Time:	11:10	Prep Date/Time:	Method:	E310.2
Parent Sample #:	1081827	Analyst:	lay	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Alkalinity Dissolved	270	mg/L	270					0	20
Alkalinity Total	270	mg/L	270					0	20

Lab Control Spike Water

Analytical Run #:	198215	Analysis Date:	12/14/2021	Prep Batch #:	Matrix:	LIQUID
CTLab #:	1084219	Analysis Time:	11:04	Prep Date/Time:	Method:	E310.2
Parent Sample #:		Analyst:	lay	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Alkalinity	370.0	mg/L			375.0	99	90 --- 110		

Method Blank Water

Analytical Run #:	198215	Analysis Date:	12/14/2021	Prep Batch #:	Matrix:	LIQUID
CTLab #:	1084220	Analysis Time:	11:05	Prep Date/Time:	Method:	E310.2
Parent Sample #:		Analyst:	lay	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Alkalinity	21	mg/L		U	0			21	

Matrix Spike Duplicate Water

Analytical Run #:	198051	Analysis Date:	12/9/2021	Prep Batch #:	Matrix:	GROUND WATER
CTLab #:	1083118	Analysis Time:	05:49	Prep Date/Time:	Method:	SW6010
Parent Sample #:	1083117	Analyst:	NAH	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Iron	1.76	mg/L	BDL		2.0	88	75 --- 113	2	18
Manganese	972	ug/L	BDL		1000	97	75 --- 121	2	13

Matrix Spike Water

Analytical Run #:	198051	Analysis Date:	12/9/2021	Prep Batch #:	Matrix:	GROUND WATER
CTLab #:	1083117	Analysis Time:	05:41	Prep Date/Time:	Method:	SW6010
Parent Sample #:	1081830	Analyst:	NAH	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Iron	1.72	mg/L	BDL		2.0	86	75 --- 113		18
Manganese	954	ug/L	BDL		1000	95	75 --- 121		13

Lab Control Spike Water

Analytical Run #:	198104	Analysis Date:	12/9/2021	Prep Batch #:	83656	Matrix:	LIQUID
CTLab #:	1082081	Analysis Time:	10:27	Prep Date/Time:	12/08/2021 09:04	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
Iron	0.374	mg/L			0.4	94	80 --- 115		
Manganese	206.0	ug/L			200.0	103	86 --- 112		

Method Blank Water

Analytical Run #:	198104	Analysis Date:	12/9/2021	Prep Batch #:	83656	Matrix:	LIQUID
CTLab #:	1082080	Analysis Time:	10:35	Prep Date/Time:	12/08/2021 09:04	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
Iron	0.011	mg/L		U	0		0.011		
Manganese	1.4	ug/L		U	0		1.4		

Matrix Spike Duplicate Water

Analytical Run #:	198104	Analysis Date:	12/9/2021	Prep Batch #:	83656	Matrix:	GROUND WATER
CTLab #:	1082083	Analysis Time:	11:19	Prep Date/Time:	12/08/2021 09:04	Method:	SW6010
Parent Sample #:	1082082	Analyst:	NAH	Prep Analyst:	NAH		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Iron	3.01	mg/L	2.64		0.4	92	75 --- 118	9	11
Manganese	234	ug/L	31.6		200	101	84 --- 111	7	7

Matrix Spike Water

Analytical Run #:	198104	Analysis Date:	12/9/2021	Prep Batch #:	83656	Matrix:	GROUND WATER
CTLab #:	1082082	Analysis Time:	10:50	Prep Date/Time:	12/08/2021 09:04	Method:	SW6010
Parent Sample #:	1081823	Analyst:	NAH	Prep Analyst:	NAH		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Iron	2.75	mg/L	2.64		0.4	28	75 --- 118		11
Manganese	218	ug/L	31.6		200	93	84 --- 111		7

Lab Control Spike Duplicate Water

Analytical Run #:	197980	Analysis Date:	12/11/2021	Prep Batch #:	Matrix:	LIQUID
CTLab #:	1083840	Analysis Time:	08:27	Prep Date/Time:	Method:	SW8260C
Parent Sample #:	1083832	Analyst:	RLD	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	3.80	ug/L	3.89		4.0	95	78 --- 121	2	20
1,1,1-Trichloroethane	4.11	ug/L	4.33		4.0	103	82 --- 122	5	20
1,1,2,2-Tetrachloroethane	3.89	ug/L	3.73		4.0	97	68 --- 128	4	20
1,1,2-Trichloroethane	4.05	ug/L	4.13		4.0	101	84 --- 114	2	20
1,1-Dichloroethane	3.99	ug/L	4.20		4.0	100	76 --- 122	5	20
1,1-Dichloroethene	4.10	ug/L	4.32		4.0	102	83 --- 123	5	20
1,1-Dichloropropene	4.14	ug/L	4.33		4.0	104	85 --- 120	4	20
1,2 Dichloroethane-d4	105	% Recovery			100	105	87 --- 107	0	
1,2,3-Trichlorobenzene	3.57	ug/L	3.66		4.0	89	78 --- 121	2	20
1,2,3-Trichloropropane	3.50	ug/L	3.58		4.0	88	62 --- 129	2	20
1,2,4-Trichlorobenzene	3.52	ug/L	3.87		4.0	88	80 --- 120	9	20
1,2,4-Trimethylbenzene	3.89	ug/L	4.08		4.0	97	76 --- 125	5	20
1,2-Dibromo-3-chloropropane	3.25	ug/L	3.49		4.0	81	69 --- 125	7	20
1,2-Dibromoethane	3.90	ug/L	3.94		4.0	98	80 --- 118	1	20
1,2-Dichlorobenzene	3.83	ug/L	3.99		4.0	96	80 --- 117	4	20
1,2-Dichloroethane	4.35	ug/L	4.24		4.0	109	78 --- 118	3	20
1,2-Dichloropropane	4.10	ug/L	4.06		4.0	102	78 --- 121	1	20
1,3,5-Trimethylbenzene	3.81	ug/L	4.00		4.0	95	76 --- 126	5	20
1,3-Dichlorobenzene	3.92	ug/L	4.08		4.0	98	78 --- 119	4	20
1,3-Dichloropropane	4.12	ug/L	4.04		4.0	103	82 --- 117	2	20
1,4-Dichlorobenzene	3.85	ug/L	4.04		4.0	96	77 --- 118	5	20
2,2-Dichloropropane	3.11	ug/L	3.97		4.0	78	71 --- 133	24	20
2-Butanone	40.5	ug/L	40.4		40.0	101	80 --- 120	0	20
2-Chlorotoluene	3.84	ug/L	3.99		4.0	96	73 --- 124	4	20
2-Hexanone	41.0	ug/L	39.8		40.0	102	73 --- 127	3	20
4-Chlorotoluene	3.90	ug/L	4.10		4.0	98	74 --- 125	5	20
4-Methyl-2-pentanone	42.5	ug/L	40.9		40.0	106	77 --- 125	4	20
Acetone	44.9	ug/L	42.8		40.0	112	72 --- 117	5	20
Benzene	3.97	ug/L	4.16		4.0	99	82 --- 118	5	20
Bromobenzene	3.87	ug/L	3.99		4.0	97	77 --- 118	3	20
Bromochloromethane	4.18	ug/L	4.30		4.0	104	81 --- 116	3	20
Bromodichloromethane	4.05	ug/L	4.10		4.0	101	80 --- 122	1	20
Bromofluorobenzene	98.0	% Recovery			100	98.0	90 --- 108	0	
Bromoform	3.64	ug/L	3.64		4.0	91	72 --- 124	0	20
Bromomethane	2.58	ug/L	2.87		4.0	64	25 --- 156	11	20
Carbon disulfide	8.14	ug/L	8.60		8.0	102	81 --- 124	5	20
Carbon tetrachloride	4.07	ug/L	4.34		4.0	102	87 --- 129	6	20
Chlorobenzene	3.90	ug/L	3.98		4.0	98	78 --- 118	2	20
Chloroethane	4.25	ug/L	4.45		4.0	106	73 --- 126	5	20
Chloroform	3.99	ug/L	4.14		4.0	100	76 --- 119	4	20
Chloromethane	3.76	ug/L	3.89		4.0	94	70 --- 121	3	20
cis-1,2-Dichloroethene	3.96	ug/L	4.22		4.0	99	82 --- 118	6	20

Lab Control Spike Duplicate Water

Analytical Run #:	197980	Analysis Date:	12/11/2021	Prep Batch #:	Matrix:	LIQUID
CTLab #:	1083840	Analysis Time:	08:27	Prep Date/Time:	Method:	SW8260C
Parent Sample #:	1083832	Analyst:	RLD	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	3.79	ug/L	3.98		4.0	95	81 --- 123	5	20
d8-Toluene	100	% Recovery			100	100	93 --- 108	0	
Dibromochloromethane	3.90	ug/L	3.81		4.0	98	76 --- 124	2	20
Dibromofluoromethane	102	% Recovery			100	102	93 --- 106	0	
Dibromomethane	4.22	ug/L	4.02		4.0	106	83 --- 115	5	20
Dichlorodifluoromethane	4.38	ug/L	4.49		4.0	110	78 --- 126	2	20
Diisopropyl ether	4.00	ug/L	4.09		4.0	100	75 --- 125	2	20
Ethylbenzene	3.86	ug/L	4.03		4.0	96	78 --- 125	4	20
Hexachlorobutadiene	3.46	ug/L	3.82		4.0	86	79 --- 123	10	20
Isopropylbenzene	3.91	ug/L	4.13		4.0	98	81 --- 124	5	20
m & p-Xylene	7.67	ug/L	8.04		8.0	96	80 --- 123	5	20
Methyl tert-butyl ether	4.15	ug/L	4.05		4.0	104	82 --- 116	2	20
Methylene chloride	5.60	ug/L	5.65		4.0	140	73 --- 128	1	20
n-Butylbenzene	3.89	ug/L	4.18		4.0	97	76 --- 127	7	20
n-Propylbenzene	3.89	ug/L	4.10		4.0	97	75 --- 129	5	20
Naphthalene	3.30	ug/L	3.59		4.0	82	64 --- 129	8	20
o-Xylene	3.80	ug/L	3.99		4.0	95	81 --- 121	5	20
p-Isopropyltoluene	3.87	ug/L	4.16		4.0	97	79 --- 126	7	20
sec-Butylbenzene	3.92	ug/L	4.15		4.0	98	76 --- 128	6	20
Styrene	3.83	ug/L	3.96		4.0	96	81 --- 122	3	20
tert-Butylbenzene	3.88	ug/L	4.09		4.0	97	76 --- 125	5	20
Tetrachloroethene	4.12	ug/L	4.32		4.0	103	82 --- 123	5	20
Tetrahydrofuran	41.7	ug/L	39.5		40.0	104	69 --- 122	5	20
Toluene	3.86	ug/L	4.07		4.0	96	82 --- 119	5	20
trans-1,2-Dichloroethene	3.94	ug/L	4.20		4.0	98	80 --- 122	6	20
trans-1,3-Dichloropropene	3.69	ug/L	3.85		4.0	92	83 --- 119	4	20
Trichloroethene	3.98	ug/L	4.18		4.0	100	82 --- 120	5	20
Trichlorofluoromethane	4.35	ug/L	4.51		4.0	109	78 --- 130	4	20
Vinyl acetate	39.8	ug/L	42.0		40.0	100	63 --- 136	5	20
Vinyl chloride	4.19	ug/L	4.38		4.0	105	73 --- 127	4	20

Lab Control Spike Water

Analytical Run #:	197980	Analysis Date:	12/10/2021	Prep Batch #:	Matrix:	LIQUID
CTLab #:	1083832	Analysis Time:	20:31	Prep Date/Time:	Method:	SW8260C
Parent Sample #:		Analyst:	RLD	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	3.89	ug/L			4.0	97	78 --- 121		20
1,1,1-Trichloroethane	4.33	ug/L			4.0	108	82 --- 122		20
1,1,2,2-Tetrachloroethane	3.73	ug/L			4.0	93	68 --- 128		20
1,1,2-Trichloroethane	4.13	ug/L			4.0	103	84 --- 114		20
1,1-Dichloroethane	4.20	ug/L			4.0	105	76 --- 122		20
1,1-Dichloroethene	4.32	ug/L			4.0	108	83 --- 123		20
1,1-Dichloropropene	4.33	ug/L			4.0	108	85 --- 120		20
1,2 Dichloroethane-d4	96.0	% Recovery			100	96.0	87 --- 107		
1,2,3-Trichlorobenzene	3.66	ug/L			4.0	92	78 --- 121		20
1,2,3-Trichloropropane	3.58	ug/L			4.0	90	62 --- 129		20
1,2,4-Trichlorobenzene	3.87	ug/L			4.0	97	80 --- 120		20
1,2,4-Trimethylbenzene	4.08	ug/L			4.0	102	76 --- 125		20
1,2-Dibromo-3-chloropropane	3.49	ug/L			4.0	87	69 --- 125		20
1,2-Dibromoethane	3.94	ug/L			4.0	98	80 --- 118		20
1,2-Dichlorobenzene	3.99	ug/L			4.0	100	80 --- 117		20
1,2-Dichloroethane	4.24	ug/L			4.0	106	78 --- 118		20
1,2-Dichloropropane	4.06	ug/L			4.0	102	78 --- 121		20
1,3,5-Trimethylbenzene	4.00	ug/L			4.0	100	76 --- 126		20
1,3-Dichlorobenzene	4.08	ug/L			4.0	102	78 --- 119		20
1,3-Dichloropropane	4.04	ug/L			4.0	101	82 --- 117		20
1,4-Dichlorobenzene	4.04	ug/L			4.0	101	77 --- 118		20
2,2-Dichloropropane	3.97	ug/L			4.0	99	71 --- 133		20
2-Butanone	40.4	ug/L			40.0	101	80 --- 120		20
2-Chlorotoluene	3.99	ug/L			4.0	100	73 --- 124		20
2-Hexanone	39.8	ug/L			40.0	100	73 --- 127		20
4-Chlorotoluene	4.10	ug/L			4.0	102	74 --- 125		20
4-Methyl-2-pentanone	40.9	ug/L			40.0	102	77 --- 125		20
Acetone	42.8	ug/L			40.0	107	72 --- 117		20
Benzene	4.16	ug/L			4.0	104	82 --- 118		20
Bromobenzene	3.99	ug/L			4.0	100	77 --- 118		20
Bromochloromethane	4.30	ug/L			4.0	108	81 --- 116		20
Bromodichloromethane	4.10	ug/L			4.0	102	80 --- 122		20
Bromofluorobenzene	97.0	% Recovery			100	97.0	90 --- 108		
Bromoform	3.64	ug/L			4.0	91	72 --- 124		20
Bromomethane	2.87	ug/L			4.0	72	25 --- 156		20
Carbon disulfide	8.60	ug/L			8.0	108	81 --- 124		20
Carbon tetrachloride	4.34	ug/L			4.0	108	87 --- 129		20
Chlorobenzene	3.98	ug/L			4.0	100	78 --- 118		20
Chloroethane	4.45	ug/L			4.0	111	73 --- 126		20
Chloroform	4.14	ug/L			4.0	104	76 --- 119		20
Chloromethane	3.89	ug/L			4.0	97	70 --- 121		20
cis-1,2-Dichloroethene	4.22	ug/L			4.0	106	82 --- 118		20

Lab Control Spike Water

Analytical Run #:	197980	Analysis Date:	12/10/2021	Prep Batch #:	Matrix:	LIQUID
CTLab #:	1083832	Analysis Time:	20:31	Prep Date/Time:	Method:	SW8260C
Parent Sample #:		Analyst:	RLD	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	3.98	ug/L			4.0	100	81 --- 123		20
d8-Toluene	101	% Recovery			100	101	93 --- 108		
Dibromochloromethane	3.81	ug/L			4.0	95	76 --- 124		20
Dibromofluoromethane	102	% Recovery			100	102	93 --- 106		
Dibromomethane	4.02	ug/L			4.0	100	83 --- 115		20
Dichlorodifluoromethane	4.49	ug/L			4.0	112	78 --- 126		20
Diisopropyl ether	4.09	ug/L			4.0	102	75 --- 125		20
Ethylbenzene	4.03	ug/L			4.0	101	78 --- 125		20
Hexachlorobutadiene	3.82	ug/L			4.0	96	79 --- 123		20
Isopropylbenzene	4.13	ug/L			4.0	103	81 --- 124		20
m & p-Xylene	8.04	ug/L			8.0	100	80 --- 123		20
Methyl tert-butyl ether	4.05	ug/L			4.0	101	82 --- 116		20
Methylene chloride	5.65	ug/L			4.0	141	73 --- 128		20
n-Butylbenzene	4.18	ug/L			4.0	104	76 --- 127		20
n-Propylbenzene	4.10	ug/L			4.0	102	75 --- 129		20
Naphthalene	3.59	ug/L			4.0	90	64 --- 129		20
o-Xylene	3.99	ug/L			4.0	100	81 --- 121		20
p-Isopropyltoluene	4.16	ug/L			4.0	104	79 --- 126		20
sec-Butylbenzene	4.15	ug/L			4.0	104	76 --- 128		20
Styrene	3.96	ug/L			4.0	99	81 --- 122		20
tert-Butylbenzene	4.09	ug/L			4.0	102	76 --- 125		20
Tetrachloroethene	4.32	ug/L			4.0	108	82 --- 123		20
Tetrahydrofuran	39.5	ug/L			40.0	99	69 --- 122		20
Toluene	4.07	ug/L			4.0	102	82 --- 119		20
trans-1,2-Dichloroethene	4.20	ug/L			4.0	105	80 --- 122		20
trans-1,3-Dichloropropene	3.85	ug/L			4.0	96	83 --- 119		20
Trichloroethene	4.18	ug/L			4.0	104	82 --- 120		20
Trichlorofluoromethane	4.51	ug/L			4.0	113	78 --- 130		20
Vinyl acetate	42.0	ug/L			40.0	105	63 --- 136		20
Vinyl chloride	4.38	ug/L			4.0	110	73 --- 127		20

Method Blank Water

Analytical Run #:	197980	Analysis Date:	12/10/2021	Prep Batch #:	Matrix:	LIQUID
CTLab #:	1083838	Analysis Time:	21:57	Prep Date/Time:	Method:	SW8260C
Parent Sample #:		Analyst:	RLD	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	0.013	ug/L		U	0				0.013
1,1,1-Trichloroethane	0.013	ug/L		U	0				0.013
1,1,2,2-Tetrachloroethane	0.015	ug/L		U	0				0.015
1,1,2-Trichloroethane	0.036	ug/L		U	0				0.036
1,1-Dichloroethane	0.017	ug/L		U	0				0.017
1,1-Dichloroethene	0.024	ug/L		U	0				0.024
1,1-Dichloropropene	0.074	ug/L		U	0				0.074
1,2 Dichloroethane-d4	95.0	% Recovery			100	95.0	68	---	120
1,2,3-Trichlorobenzene	0.019	ug/L		U	0				0.019
1,2,3-Trichloropropane	0.031	ug/L		U	0				0.031
1,2,4-Trichlorobenzene	0.0222	ug/L		U	0				0.0222
1,2,4-Trimethylbenzene	0.011	ug/L		U	0				0.011
1,2-Dibromo-3-chloropropane	0.12	ug/L		U	0				0.12
1,2-Dibromoethane	0.029	ug/L		U	0				0.029
1,2-Dichlorobenzene	0.016	ug/L		U	0				0.016
1,2-Dichloroethane	0.017	ug/L		U	0				0.017
1,2-Dichloropropane	0.013	ug/L		U	0				0.013
1,3,5-Trimethylbenzene	0.013	ug/L		U	0				0.013
1,3-Dichlorobenzene	0.013	ug/L		U	0				0.013
1,3-Dichloropropane	0.020	ug/L		U	0				0.020
1,4-Dichlorobenzene	0.017	ug/L		U	0				0.017
2,2-Dichloropropane	0.075	ug/L		U	0				0.075
2-Butanone	0.31	ug/L		U	0				0.31
2-Chlorotoluene	0.020	ug/L		U	0				0.020
2-Hexanone	0.15	ug/L		U	0				0.15
4-Chlorotoluene	0.013	ug/L		U	0				0.013
4-Methyl-2-pentanone	0.19	ug/L		U	0				0.19
Acetone	1.54	ug/L			0				0.84
Benzene	0.022	ug/L		U	0				0.022
Bromobenzene	0.018	ug/L		U	0				0.018
Bromochloromethane	0.034	ug/L		U	0				0.034
Bromodichloromethane	0.019	ug/L		U	0				0.019
Bromofluorobenzene	96.0	% Recovery			100	96.0	68	---	120
Bromoform	0.041	ug/L		U	0				0.041
Bromomethane	0.052	ug/L		U	0				0.052
Carbon disulfide	0.11	ug/L		U	0				0.11
Carbon tetrachloride	0.018	ug/L		U	0				0.018
Chlorobenzene	0.013	ug/L		U	0				0.013
Chloroethane	0.40	ug/L		U	0				0.40
Chloroform	0.016	ug/L		U	0				0.016
Chloromethane	0.045	ug/L		U	0				0.045
cis-1,2-Dichloroethene	0.023	ug/L		U	0				0.023

Method Blank Water

Analytical Run #:	197980	Analysis Date:	12/10/2021	Prep Batch #:	Matrix:	LIQUID
CTLab #:	1083838	Analysis Time:	21:57	Prep Date/Time:	Method:	SW8260C
Parent Sample #:		Analyst:	RLD	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	0.014	ug/L		U	0		0.014		
d8-Toluene	100	% Recovery			100	100	71 --- 117		
Dibromochloromethane	0.016	ug/L		U	0		0.016		
Dibromofluoromethane	100	% Recovery			100	100	67 --- 122		
Dibromomethane	0.018	ug/L		U	0		0.018		
Dichlorodifluoromethane	0.091	ug/L		U	0		0.091		
Diisopropyl ether	0.015	ug/L		U	0		0.015		
Ethylbenzene	0.014	ug/L		U	0		0.014		
Hexachlorobutadiene	0.027	ug/L		U	0		0.027		
Isopropylbenzene	0.014	ug/L		U	0		0.014		
m & p-Xylene	0.022	ug/L		U	0		0.022		
Methyl tert-butyl ether	0.014	ug/L		U	0		0.014		
Methylene chloride	1.44	ug/L			0		0.090		
n-Butylbenzene	0.021	ug/L		U	0		0.021		
n-Propylbenzene	0.013	ug/L		U	0		0.013		
Naphthalene	0.025	ug/L		U	0		0.025		
o-Xylene	0.016	ug/L		U	0		0.016		
p-Isopropyltoluene	0.016	ug/L		U	0		0.016		
sec-Butylbenzene	0.012	ug/L		U	0		0.012		
Styrene	0.014	ug/L		U	0		0.014		
tert-Butylbenzene	0.013	ug/L		U	0		0.013		
Tetrachloroethene	0.028	ug/L		U	0		0.028		
Tetrahydrofuran	0.38	ug/L		U	0		0.38		
Toluene	0.014	ug/L		U	0		0.014		
trans-1,2-Dichloroethene	0.020	ug/L		U	0		0.020		
trans-1,3-Dichloropropene	0.020	ug/L		U	0		0.020		
Trichloroethene	0.022	ug/L		U	0		0.022		
Trichlorofluoromethane	0.033	ug/L		U	0		0.033		
Vinyl acetate	0.14	ug/L		U	0		0.14		
Vinyl chloride	0.019	ug/L		U	0		0.019		

Lab Control Spike Water

Analytical Run #:	198220	Analysis Date:	12/14/2021	Prep Batch #:	83734	Matrix:	LIQUID
CTLab #:	1084259	Analysis Time:	13:19	Prep Date/Time:	12/14/2021 10:53	Method:	RSK175
Parent Sample #:		Analyst:	KMT	Prep Analyst:	KMT		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Ethane	3.72	ug/L			4.63	80	66 --- 129		20
Ethene	5.15	ug/L			6.36	81	68 --- 128		20
Methane	1.73	ug/L			2.23	78	71 --- 126		20

Method Blank Water

Analytical Run #:	198220	Analysis Date:	12/14/2021	Prep Batch #:	83734	Matrix:	LIQUID
CTLab #:	1084258	Analysis Time:	13:24	Prep Date/Time:	12/14/2021 10:53	Method:	RSK175
Parent Sample #:		Analyst:	KMT	Prep Analyst:	KMT		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Ethane	0.38	ug/L		U	0		0.38		
Ethene	0.59	ug/L		U	0		0.59		
Methane	0.45	ug/L		U	0		0.45		

Matrix Spike Duplicate Water

Analytical Run #:	198220	Analysis Date:	12/14/2021	Prep Batch #:	83734	Matrix:	GROUND WATER
CTLab #:	1084257	Analysis Time:	13:40	Prep Date/Time:	12/14/2021 10:53	Method:	RSK175
Parent Sample #:	1084256	Analyst:	KMT	Prep Analyst:	KMT		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Ethane	3.75	ug/L	BDL		4.63	81	50 --- 142	0	20
Ethene	5.39	ug/L	BDL		6.36	85	56 --- 138	1	43
Methane	6.15	ug/L	9.6		2.23	0	10 --- 163	32	20

Matrix Spike Water

Analytical Run #:	198220	Analysis Date:	12/14/2021	Prep Batch #:	83734	Matrix:	GROUND WATER
CTLab #:	1084256	Analysis Time:	13:36	Prep Date/Time:	12/14/2021 10:53	Method:	RSK175
Parent Sample #:	1081823	Analyst:	KMT	Prep Analyst:	KMT		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Ethane	3.77	ug/L	BDL		4.63	81	50 --- 142		20
Ethene	5.34	ug/L	BDL		6.36	84	56 --- 138		43
Methane	8.46	ug/L	9.6		2.23	0	10 --- 163		20

Sample Condition Report

Folder #: 166266	Print Date / Time: 12/07/2021 10:35	
Client: HYDE ENVIRONMENTAL, INC.	Received Date / Time / By: 12/07/2021 10:25	erc
Project Name: OEI	Log-In Date / Time / By: 12/07/2021 10:35	erc
Project Phase: ASHIPPUN, WI	Project #:	PM: BMS
Coolers: 6270	Temperature: 1.5 C	On Ice: Y
Custody Seals Present : Y	COC Present?: Y	Complete? Y
Seal Intact? Y	Numbers: DATED AND SIGNED	
Ship Method: UPS GROUND	Tracking Number: 1Z1A377E9046920181	
Adequate Packaging: Y	Temp Blank Enclosed? Y	

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

ONE CUSTODY SEAL WAS PRESENT AND INTACT UPON RECEIPT (DATED 12-6-21 AND SIGNED).

A TRIP BLANK WAS PRESENT IN THE COOLER BUT WAS NOT LISTED ON THE COC. THE TRIP BLANK WAS ADDED TO THE COC AND LOGGED FOR LOW-LEVEL VOC (8260C) ANALYSIS, PER THE BOTTLES RECEIVED.

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
1081823 MW-16S	UNPRES PL	1	/	ALK,Anions
Total # of Containers of Type (UNPRES PL) = 1				
1081823 MW-16S	VOA HCL	1	/	GAS,VOC
	VOA HCL	1	/	GAS,VOC
	VOA HCL	1	/	GAS,VOC
	VOA HCL	1	/	GAS,VOC
	VOA HCL	1	/	GAS,VOC
	VOA HCL	1	/	GAS,VOC
	VOA HCL	1	N / N	GAS,VOC
	VOA HCL	1	N / N	GAS,VOC
Total # of Containers of Type (VOA HCL) = 8				
1081823 MW-16S	HNO3	1	Y / N	ICP
Total # of Containers of Type (HNO3) = 1				
1081823 MW-16S	NAOH W/ZNAC	1	Y / N	SLFD
Total # of Containers of Type (NAOH W/ZNAC) = 1				
1081823 MW-16S	H2SO4 PL	1	Y / N	TOC
Total # of Containers of Type (H2SO4 PL) = 1				

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
1081824 MW-16S	HNO3	1	Y / N	ICP
Total # of Containers of Type (HNO3) = 1				

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
1081825 MW-13D	UNPRES PL	1	/	ALK,Anions
Total # of Containers of Type (UNPRES PL) = 1				

1081825 MW-13D	VOA HCL	1	/	GAS,VOC
	VOA HCL	1	/	GAS,VOC
	VOA HCL	1	/	GAS,VOC
	VOA HCL	1	/	GAS,VOC
	VOA HCL	1	/	GAS,VOC
	VOA HCL	1	/	GAS,VOC
	VOA HCL	1	N / N	GAS,VOC
	VOA HCL	1	N / N	GAS,VOC
Total # of Containers of Type (VOA HCL) = 8				

1081825 MW-13D	HNO3	1	Y / N	ICP
Total # of Containers of Type (HNO3) = 1				

1081825 MW-13D	NAOH W/ZNAC	1	Y / N	SLFD
Total # of Containers of Type (NAOH W/ZNAC) = 1				

1081825 MW-13D	H2SO4 PL	1	Y / N	TOC
Total # of Containers of Type (H2SO4 PL) = 1				

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
1081826 MW-13D	HNO3	1	Y / N	ICP
Total # of Containers of Type (HNO3) = 1				

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
1081827 MW-13S	UNPRES PL	1	/	ALK,Anions
Total # of Containers of Type (UNPRES PL) = 1				

1081827 MW-13S	VOA HCL	1	/	GAS,VOC
	VOA HCL	1	/	GAS,VOC
	VOA HCL	1	/	GAS,VOC
	VOA HCL	1	/	GAS,VOC
	VOA HCL	1	/	GAS,VOC
	VOA HCL	1	/	GAS,VOC

VOA HCL 1 N / N GAS,VOC
Total # of Containers of Type (VOA HCL) = 7

1081827 MW-13S

HNO3 1 Y / N ICP
Total # of Containers of Type (HNO3) = 1

1081827 MW-13S

NAOH W/ZNAC 1 Y / N SLFD
Total # of Containers of Type (NAOH W/ZNAC) = 1

1081827 MW-13S

H2SO4 PL 1 Y / N TOC
Total # of Containers of Type (H2SO4 PL) = 1

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
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1081828 MW-13S

HNO3 1 Y / N ICP
Total # of Containers of Type (HNO3) = 1

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
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1081829 MW-13S DUP

UNPRES PL 1 / ALK,Anions
Total # of Containers of Type (UNPRES PL) = 1

1081829 MW-13S DUP

VOA HCL 1 / GAS,VOC
 VOA HCL 1 / GAS,VOC
 VOA HCL 1 / GAS,VOC
 VOA HCL 1 / GAS,VOC
 VOA HCL 1 / GAS,VOC
 VOA HCL 1 / GAS,VOC
 VOA HCL 1 N / N GAS,VOC
Total # of Containers of Type (VOA HCL) = 7

1081829 MW-13S DUP

HNO3 1 Y / N ICP
Total # of Containers of Type (HNO3) = 1

1081829 MW-13S DUP

NAOH W/ZNAC 1 Y / N SLFD
Total # of Containers of Type (NAOH W/ZNAC) = 1

1081829 MW-13S DUP

H2SO4 PL 1 Y / N TOC
Total # of Containers of Type (H2SO4 PL) = 1

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
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1081830 MW-13S DUP

HNO3 1 Y / N ICP
Total # of Containers of Type (HNO3) = 1

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
1081831 TB-120621	Trip Blank	1	/	VOC
	Total # of Containers of Type (Trip Blank) = 1			
1081831 TB-120621	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	Total # of Containers of Type (VOA HCL) = 2			

<u>Condition Code</u>	<u>Condition Description</u>
1	Sample Received OK

Company: **Hyde**
 Project Contact: **Jim Lindemann**
 Telephone: **262-250-1226**
 Project Name: **OEC I**
 Project #:
 Location: **Ashippun, WI**
 Sampled By: **Logan Cranley**

CT LABORATORIES
 Folder #: **166266**
 Company: **HYDE ENVIRONMENTAL, INC.**
 Project: **O'CONOMOWOC ELECTROPLAT**
 Logged By: **erc** PM: **BMS**

1230 Lange Court, Baraboo, WI 53913
 608-356-2760 Fax 608-356-2766
 www.ctlaboratories.com
 Program:
 QSM RCRA SDWA NPDES
 Solid Waste Other **Superfund**
 PO #

Report To:
 EMAIL: **slindemann@hyde-env.com**
 Company: **Hyde**
 Address: **WI 75 N 11163 Stonewood Dr. Ste. 110, Germantown, WI 53022**
 Invoice To:*
 EMAIL:
 Company: **Same**
 Address:

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

Client Special Instructions
Bottles labeled with "F" were filtered in the field

Filtered? Y/N	ANALYSES REQUESTED												Total # Containers	Designated MS/MSD
	VOCs (1,4 Dioxane)	Lowlevel (92000)	Methane, Ethane, Ethene (RSL175)	Total Fe (6000)	Dissolved Fe (6000)	Total Mn (6000)	Dissolved Mn (6000)	Alkalinity (3102)	Chloride (9056)	Sulfate (9056)	Nitrate (9056)	Sulfide (SM4500-SB)		

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

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

Collection		Matrix	Grab/Comp	Sample #	Sample ID Description	Y	Fill in Spaces with Bottles per Test												CT Lab ID # <i>Lab use only</i>
Date	Time						VOCs	Lowlevel	Methane	Total Fe	Dissolved Fe	Total Mn	Dissolved Mn	Alkalinity	Chloride	Sulfate	Nitrate	Sulfide	
12-6-21	1230	GW	G		MW-16S	Y	4	4	1	1	1	1	1	1	1	1	108823, 24		
	1300				MW-13D		4	4	1	1	1	1	1	1	1	1	25, 26		
	1400				MW-13S	Y	4	4	1	1	1	1	1	1	1	1	27, 28		
12-6-21	1415	GW	G		MW-13S Dup	Y	4	4	1	1	1	1	1	1	1	1	29, 30		
					TRAY BLANK - OAC												31		

Relinquished By:
Logan Cranley
 Received by:

Date/Time
12-6-21 1600
 Date/Time

Received By:
LM
 Received for Laboratory by:
 166266 - Page 60 of 61
LM

Date/Time
12/21/10 1025
 Date/Time
12/21/10 1041

Lab Use Only
 Ice Present Yes No
 Temp **1.5** IR Gun **27**
 Cooler # **6270**

Cooler Receipt Form

Ice Present YES NO
Observed Temperature 1.5
Actual Temperature 1.5
IR Gun # 27
Initials ERC
Date 12/21/20 Time 1025
Cooler #: 6270

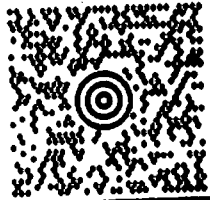
CUSTODY SEAL
DATE 12-21-20
SIGNATURE S. O'Connell
QEC
Quality Environmental Containers
800-255-3960 • www.qecusa.com

JIM LINDEMANN
HYDE ENVIRONMENTAL
W175 N11163 STONEWOOD DRIVE
GERMANTOWN WI 53022

50 LBS

RS

SHIP TO:
SHIPPING DEPT
(608) 355-2760
CT LABS
1230 LANGE CT
BARABOO WI 53913

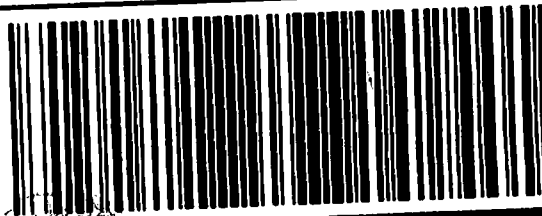


WI 539 0-10



UPS GROUND

TRACKING #: 1Z 1A3 77E 90 4692 0181



BILLING: P/P
DESC: ENVIRONMENTAL SAMPLES
RETURN SERVICE

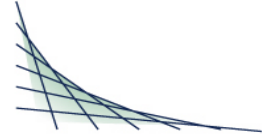


WB 24.0.24 Zebra ZP 450 47.0A 11/2021



SEE NOTICE ON ENVELOPE regarding
return service, if any
Regulation: 0000

Use when allowed by law, subject to applicable UPS and local laws and regulations for export control and
the technology or software used to generate this document.



ANALYTICAL REPORT

This report at a minimum contains the following information:

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

ANALYTICAL REPORT

HYDE ENVIRONMENTAL, INC.
 JIM LINDEMANN
 W175 N11163 STONEWOOD DRIVE
 SUITE 110
 GERMANTOWN, WI 53022-6501

Project Name: OECl
 Project Phase: ASHIPUN, WI
 Contract #: 3451
 Project #:
 Folder #: 166528
 Purchase Order #:

Page 1 of 5
 Arrival Temperature: 1.4
 Report Date: 12/30/2021
 Date Received: 12/17/2021
 Reprint Date: 12/30/2021

CT LAB Sample#: 1085329	Sample Description: PURGE WATER	Sampled: 12/16/2021 11:30
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1		12/21/2021	12:16	RLD	EPA 8260C
1,1,1-Trichloroethane	0.076	ug/L	0.013 *	0.10	1		12/21/2021	12:16	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1		12/21/2021	12:16	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1		12/21/2021	12:16	RLD	EPA 8260C
1,1-Dichloroethane	0.19	ug/L	0.017	0.10	1		12/21/2021	12:16	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1		12/21/2021	12:16	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1		12/21/2021	12:16	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1		12/21/2021	12:16	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1		12/21/2021	12:16	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1		12/21/2021	12:16	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1		12/21/2021	12:16	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1		12/21/2021	12:16	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1		12/21/2021	12:16	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1		12/21/2021	12:16	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1		12/21/2021	12:16	RLD	EPA 8260C

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

CT LAB Sample#: 1085329 Sample Description: PURGE WATER

Sampled: 12/16/2021 11:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			12/21/2021 12:16	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			12/21/2021 12:16	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			12/21/2021 12:16	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			12/21/2021 12:16	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			12/21/2021 12:16	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			12/21/2021 12:16	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			12/21/2021 12:16	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			12/21/2021 12:16	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			12/21/2021 12:16	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			12/21/2021 12:16	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			12/21/2021 12:16	RLD	EPA 8260C
Acetone	3.9	ug/L	0.84 *	4.0	1	B		12/21/2021 12:16	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			12/21/2021 12:16	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			12/21/2021 12:16	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			12/21/2021 12:16	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			12/21/2021 12:16	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			12/21/2021 12:16	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			12/21/2021 12:16	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			12/21/2021 12:16	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			12/21/2021 12:16	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			12/21/2021 12:16	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			12/21/2021 12:16	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			12/21/2021 12:16	RLD	EPA 8260C
Chloromethane	2.0	ug/L	0.045	0.20	1			12/21/2021 12:16	RLD	EPA 8260C
cis-1,2-Dichloroethene	2.2	ug/L	0.023	0.10	1			12/21/2021 12:16	RLD	EPA 8260C

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

CT LAB Sample#: 1085329 Sample Description: PURGE WATER

Sampled: 12/16/2021 11:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1		12/21/2021	12:16	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1		12/21/2021	12:16	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1		12/21/2021	12:16	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1		12/21/2021	12:16	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1		12/21/2021	12:16	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1		12/21/2021	12:16	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1		12/21/2021	12:16	RLD	EPA 8260C
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1		12/21/2021	12:16	RLD	EPA 8260C
m & p-Xylene	0.028	ug/L	0.022 *	0.20	1		12/21/2021	12:16	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1		12/21/2021	12:16	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1		12/21/2021	12:16	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1		12/21/2021	12:16	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1		12/21/2021	12:16	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1		12/21/2021	12:16	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1		12/21/2021	12:16	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1		12/21/2021	12:16	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1		12/21/2021	12:16	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1		12/21/2021	12:16	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1		12/21/2021	12:16	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1		12/21/2021	12:16	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1		12/21/2021	12:16	RLD	EPA 8260C
Toluene	0.027	ug/L	0.014 *	0.10	1		12/21/2021	12:16	RLD	EPA 8260C
trans-1,2-Dichloroethene	0.39	ug/L	0.020	0.10	1		12/21/2021	12:16	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1		12/21/2021	12:16	RLD	EPA 8260C
Trichloroethene	0.28	ug/L	0.022	0.10	1		12/21/2021	12:16	RLD	EPA 8260C

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

CT LAB Sample#: 1085329

Sample Description: PURGE WATER

Sampled: 12/16/2021 11:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1		12/21/2021	12:16	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1		12/21/2021	12:16	RLD	EPA 8260C
Vinyl chloride	0.059	ug/L	0.019 *	0.10	1		12/21/2021	12:16	RLD	EPA 8260C
1,4-Dioxane	<7.0	ug/L	7.0	23	1		12/21/2021	12:16	RLD	EPA 8260C

Notes regarding entire Chain of Custody:

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

QC Qualifiers

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

Current CT Laboratories Certifications

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

QC Summary Report

HYDE ENVIRONMENTAL, INC.

Project Name: OECl

SDG #: 0

Folder #: 166528

Project #:

Lab Control Spike Duplicate Water

Analytical Run #:	198308	Analysis Date:	12/21/2021	Prep Batch #:	Matrix:	LIQUID
CTLab #:	1086846	Analysis Time:	13:42	Prep Date/Time:	Method:	SW8260C
Parent Sample #:	1086834	Analyst:	RLD	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	4.04	ug/L	3.88		4.0	101	78 --- 121	4	20
1,1,1-Trichloroethane	4.13	ug/L	3.92		4.0	103	82 --- 122	5	20
1,1,2,2-Tetrachloroethane	3.91	ug/L	3.91		4.0	98	68 --- 128	0	20
1,1,2-Trichloroethane	4.08	ug/L	4.05		4.0	102	84 --- 114	1	20
1,1-Dichloroethane	4.06	ug/L	3.81		4.0	102	76 --- 122	6	20
1,1-Dichloroethene	4.13	ug/L	3.90		4.0	103	83 --- 123	6	20
1,1-Dichloropropene	4.24	ug/L	3.91		4.0	106	85 --- 120	8	20
1,2 Dichloroethane-d4	96.0	% Recovery			100	96.0	87 --- 107	0	
1,2,3-Trichlorobenzene	4.11	ug/L	3.95		4.0	103	78 --- 121	4	20
1,2,3-Trichloropropane	3.88	ug/L	3.84		4.0	97	62 --- 129	1	20
1,2,4-Trichlorobenzene	4.12	ug/L	3.90		4.0	103	80 --- 120	5	20
1,2,4-Trimethylbenzene	3.97	ug/L	3.82		4.0	99	76 --- 125	4	20
1,2-Dibromo-3-chloropropane	3.64	ug/L	3.79		4.0	91	69 --- 125	4	20
1,2-Dibromoethane	4.07	ug/L	3.87		4.0	102	80 --- 118	5	20
1,2-Dichlorobenzene	3.71	ug/L	3.58		4.0	93	80 --- 117	4	20
1,2-Dichloroethane	3.89	ug/L	3.76		4.0	97	78 --- 118	3	20
1,2-Dichloropropane	3.90	ug/L	3.83		4.0	98	78 --- 121	2	20
1,3,5-Trimethylbenzene	4.03	ug/L	3.80		4.0	101	76 --- 126	6	20
1,3-Dichlorobenzene	3.87	ug/L	3.75		4.0	97	78 --- 119	3	20
1,3-Dichloropropane	4.03	ug/L	3.89		4.0	101	82 --- 117	4	20
1,4-Dichlorobenzene	3.73	ug/L	3.59		4.0	93	77 --- 118	4	20
2,2-Dichloropropane	3.90	ug/L	3.98		4.0	98	71 --- 133	2	20
2-Butanone	41.9	ug/L	38.1		40.0	105	80 --- 120	10	20
2-Chlorotoluene	3.90	ug/L	3.71		4.0	98	73 --- 124	5	20
2-Hexanone	39.8	ug/L	38.2		40.0	100	73 --- 127	4	20
4-Chlorotoluene	3.95	ug/L	3.77		4.0	99	74 --- 125	5	20
4-Methyl-2-pentanone	41.0	ug/L	38.9		40.0	102	77 --- 125	5	20
Acetone	39.6	ug/L	37.5		40.0	99	72 --- 117	5	20
Benzene	4.02	ug/L	3.80		4.0	100	82 --- 118	6	20
Bromobenzene	3.89	ug/L	3.70		4.0	97	77 --- 118	5	20
Bromochloromethane	3.83	ug/L	3.81		4.0	96	81 --- 116	1	20
Bromodichloromethane	4.07	ug/L	3.97		4.0	102	80 --- 122	2	20
Bromofluorobenzene	98.0	% Recovery			100	98.0	90 --- 108	0	
Bromoform	3.87	ug/L	3.96		4.0	97	72 --- 124	2	20
Bromomethane	4.01	ug/L	4.13		4.0	100	25 --- 156	3	20

Lab Control Spike Duplicate Water

Analytical Run #:	198308	Analysis Date:	12/21/2021	Prep Batch #:	Matrix:	LIQUID
CTLab #:	1086846	Analysis Time:	13:42	Prep Date/Time:	Method:	SW8260C
Parent Sample #:	1086834	Analyst:	RLD	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Carbon disulfide	8.41	ug/L	8.11		8.0	105	81 --- 124	4	20
Carbon tetrachloride	4.10	ug/L	3.97		4.0	102	87 --- 129	3	20
Chlorobenzene	3.89	ug/L	3.63		4.0	97	78 --- 118	7	20
Chloroethane	4.10	ug/L	3.80		4.0	102	73 --- 126	8	20
Chloroform	4.09	ug/L	3.92		4.0	102	76 --- 119	4	20
Chloromethane	3.89	ug/L	3.64		4.0	97	70 --- 121	7	20
cis-1,2-Dichloroethene	4.02	ug/L	3.78		4.0	100	82 --- 118	6	20
cis-1,3-Dichloropropene	4.06	ug/L	3.94		4.0	102	81 --- 123	3	20
d8-Toluene	100	% Recovery			100	100	93 --- 108	0	
Dibromochloromethane	3.97	ug/L	3.89		4.0	99	76 --- 124	2	20
Dibromofluoromethane	99.0	% Recovery			100	99.0	93 --- 106	0	
Dibromomethane	4.08	ug/L	3.84		4.0	102	83 --- 115	6	20
Dichlorodifluoromethane	3.93	ug/L	3.76		4.0	98	78 --- 126	4	20
Diisopropyl ether	4.07	ug/L	3.87		4.0	102	75 --- 125	5	20
Ethylbenzene	3.99	ug/L	3.84		4.0	100	78 --- 125	4	20
Hexachlorobutadiene	4.01	ug/L	3.76		4.0	100	79 --- 123	6	20
Isopropylbenzene	4.00	ug/L	3.79		4.0	100	81 --- 124	5	20
m & p-Xylene	7.99	ug/L	7.66		8.0	100	80 --- 123	4	20
Methyl tert-butyl ether	4.04	ug/L	3.85		4.0	101	82 --- 116	5	20
Methylene chloride	3.93	ug/L	3.81		4.0	98	73 --- 128	3	20
n-Butylbenzene	4.01	ug/L	3.87		4.0	100	76 --- 127	4	20
n-Propylbenzene	3.99	ug/L	3.81		4.0	100	75 --- 129	5	20
Naphthalene	4.09	ug/L	3.68		4.0	102	64 --- 129	11	20
o-Xylene	4.03	ug/L	3.76		4.0	101	81 --- 121	7	20
p-Isopropyltoluene	4.02	ug/L	3.82		4.0	100	79 --- 126	5	20
sec-Butylbenzene	4.02	ug/L	3.85		4.0	100	76 --- 128	4	20
Styrene	4.02	ug/L	3.84		4.0	100	81 --- 122	5	20
tert-Butylbenzene	3.95	ug/L	3.85		4.0	99	76 --- 125	3	20
Tetrachloroethene	4.13	ug/L	3.88		4.0	103	82 --- 123	6	20
Tetrahydrofuran	39.7	ug/L	39.6		40.0	99	69 --- 122	0	20
Toluene	3.93	ug/L	3.71		4.0	98	82 --- 119	6	20
trans-1,2-Dichloroethene	4.02	ug/L	3.92		4.0	100	80 --- 122	3	20
trans-1,3-Dichloropropene	4.04	ug/L	4.04		4.0	101	83 --- 119	0	20
Trichloroethene	4.09	ug/L	3.83		4.0	102	82 --- 120	7	20
Trichlorofluoromethane	3.93	ug/L	3.65		4.0	98	78 --- 130	7	20
Vinyl acetate	38.9	ug/L	40.8		40.0	97	63 --- 136	5	20
Vinyl chloride	4.16	ug/L	3.97		4.0	104	73 --- 127	5	20

Lab Control Spike Water

Analytical Run #:	198308	Analysis Date:	12/21/2021	Prep Batch #:	Matrix:	LIQUID
CTLab #:	1086834	Analysis Time:	09:25	Prep Date/Time:	Method:	SW8260C
Parent Sample #:		Analyst:	RLD	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	3.88	ug/L			4.0	97	78 --- 121		20
1,1,1-Trichloroethane	3.92	ug/L			4.0	98	82 --- 122		20
1,1,2,2-Tetrachloroethane	3.91	ug/L			4.0	98	68 --- 128		20
1,1,2-Trichloroethane	4.05	ug/L			4.0	101	84 --- 114		20
1,1-Dichloroethane	3.81	ug/L			4.0	95	76 --- 122		20
1,1-Dichloroethene	3.90	ug/L			4.0	98	83 --- 123		20
1,1-Dichloropropene	3.91	ug/L			4.0	98	85 --- 120		20
1,2 Dichloroethane-d4	100	% Recovery			100	100	87 --- 107		
1,2,3-Trichlorobenzene	3.95	ug/L			4.0	99	78 --- 121		20
1,2,3-Trichloropropane	3.84	ug/L			4.0	96	62 --- 129		20
1,2,4-Trichlorobenzene	3.90	ug/L			4.0	98	80 --- 120		20
1,2,4-Trimethylbenzene	3.82	ug/L			4.0	96	76 --- 125		20
1,2-Dibromo-3-chloropropane	3.79	ug/L			4.0	95	69 --- 125		20
1,2-Dibromoethane	3.87	ug/L			4.0	97	80 --- 118		20
1,2-Dichlorobenzene	3.58	ug/L			4.0	90	80 --- 117		20
1,2-Dichloroethane	3.76	ug/L			4.0	94	78 --- 118		20
1,2-Dichloropropane	3.83	ug/L			4.0	96	78 --- 121		20
1,3,5-Trimethylbenzene	3.80	ug/L			4.0	95	76 --- 126		20
1,3-Dichlorobenzene	3.75	ug/L			4.0	94	78 --- 119		20
1,3-Dichloropropane	3.89	ug/L			4.0	97	82 --- 117		20
1,4-Dichlorobenzene	3.59	ug/L			4.0	90	77 --- 118		20
2,2-Dichloropropane	3.98	ug/L			4.0	100	71 --- 133		20
2-Butanone	38.1	ug/L			40.0	95	80 --- 120		20
2-Chlorotoluene	3.71	ug/L			4.0	93	73 --- 124		20
2-Hexanone	38.2	ug/L			40.0	96	73 --- 127		20
4-Chlorotoluene	3.77	ug/L			4.0	94	74 --- 125		20
4-Methyl-2-pentanone	38.9	ug/L			40.0	97	77 --- 125		20
Acetone	37.5	ug/L			40.0	94	72 --- 117		20
Benzene	3.80	ug/L			4.0	95	82 --- 118		20
Bromobenzene	3.70	ug/L			4.0	92	77 --- 118		20
Bromochloromethane	3.81	ug/L			4.0	95	81 --- 116		20
Bromodichloromethane	3.97	ug/L			4.0	99	80 --- 122		20
Bromofluorobenzene	100	% Recovery			100	100	90 --- 108		
Bromoform	3.96	ug/L			4.0	99	72 --- 124		20
Bromomethane	4.13	ug/L			4.0	103	25 --- 156		20
Carbon disulfide	8.11	ug/L			8.0	101	81 --- 124		20
Carbon tetrachloride	3.97	ug/L			4.0	99	87 --- 129		20
Chlorobenzene	3.63	ug/L			4.0	91	78 --- 118		20
Chloroethane	3.80	ug/L			4.0	95	73 --- 126		20
Chloroform	3.92	ug/L			4.0	98	76 --- 119		20
Chloromethane	3.64	ug/L			4.0	91	70 --- 121		20
cis-1,2-Dichloroethene	3.78	ug/L			4.0	94	82 --- 118		20

Lab Control Spike Water

Analytical Run #:	198308	Analysis Date:	12/21/2021	Prep Batch #:	Matrix:	LIQUID
CTLab #:	1086834	Analysis Time:	09:25	Prep Date/Time:	Method:	SW8260C
Parent Sample #:		Analyst:	RLD	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	3.94	ug/L			4.0	98	81 --- 123		20
d8-Toluene	101	% Recovery			100	101	93 --- 108		
Dibromochloromethane	3.89	ug/L			4.0	97	76 --- 124		20
Dibromofluoromethane	101	% Recovery			100	101	93 --- 106		
Dibromomethane	3.84	ug/L			4.0	96	83 --- 115		20
Dichlorodifluoromethane	3.76	ug/L			4.0	94	78 --- 126		20
Diisopropyl ether	3.87	ug/L			4.0	97	75 --- 125		20
Ethylbenzene	3.84	ug/L			4.0	96	78 --- 125		20
Hexachlorobutadiene	3.76	ug/L			4.0	94	79 --- 123		20
Isopropylbenzene	3.79	ug/L			4.0	95	81 --- 124		20
m & p-Xylene	7.66	ug/L			8.0	96	80 --- 123		20
Methyl tert-butyl ether	3.85	ug/L			4.0	96	82 --- 116		20
Methylene chloride	3.81	ug/L			4.0	95	73 --- 128		20
n-Butylbenzene	3.87	ug/L			4.0	97	76 --- 127		20
n-Propylbenzene	3.81	ug/L			4.0	95	75 --- 129		20
Naphthalene	3.68	ug/L			4.0	92	64 --- 129		20
o-Xylene	3.76	ug/L			4.0	94	81 --- 121		20
p-Isopropyltoluene	3.82	ug/L			4.0	96	79 --- 126		20
sec-Butylbenzene	3.85	ug/L			4.0	96	76 --- 128		20
Styrene	3.84	ug/L			4.0	96	81 --- 122		20
tert-Butylbenzene	3.85	ug/L			4.0	96	76 --- 125		20
Tetrachloroethene	3.88	ug/L			4.0	97	82 --- 123		20
Tetrahydrofuran	39.6	ug/L			40.0	99	69 --- 122		20
Toluene	3.71	ug/L			4.0	93	82 --- 119		20
trans-1,2-Dichloroethene	3.92	ug/L			4.0	98	80 --- 122		20
trans-1,3-Dichloropropene	4.04	ug/L			4.0	101	83 --- 119		20
Trichloroethene	3.83	ug/L			4.0	96	82 --- 120		20
Trichlorofluoromethane	3.65	ug/L			4.0	91	78 --- 130		20
Vinyl acetate	40.8	ug/L			40.0	102	63 --- 136		20
Vinyl chloride	3.97	ug/L			4.0	99	73 --- 127		20

Method Blank Water

Analytical Run #:	198308	Analysis Date:	12/21/2021	Prep Batch #:	Matrix:	LIQUID
CTLab #:	1086844	Analysis Time:	10:51	Prep Date/Time:	Method:	SW8260C
Parent Sample #:		Analyst:	RLD	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	0.013	ug/L		U	0		0.013		
1,1,1-Trichloroethane	0.013	ug/L		U	0		0.013		
1,1,2,2-Tetrachloroethane	0.015	ug/L		U	0		0.015		
1,1,2-Trichloroethane	0.036	ug/L		U	0		0.036		
1,1-Dichloroethane	0.017	ug/L		U	0		0.017		
1,1-Dichloroethene	0.024	ug/L		U	0		0.024		
1,1-Dichloropropene	0.074	ug/L		U	0		0.074		
1,2 Dichloroethane-d4	103	% Recovery			100	103	68	---	120
1,2,3-Trichlorobenzene	0.019	ug/L		U	0		0.019		
1,2,3-Trichloropropane	0.031	ug/L		U	0		0.031		
1,2,4-Trichlorobenzene	0.0222	ug/L		U	0		0.0222		
1,2,4-Trimethylbenzene	0.011	ug/L		U	0		0.011		
1,2-Dibromo-3-chloropropane	0.12	ug/L		U	0		0.12		
1,2-Dibromoethane	0.029	ug/L		U	0		0.029		
1,2-Dichlorobenzene	0.016	ug/L		U	0		0.016		
1,2-Dichloroethane	0.017	ug/L		U	0		0.017		
1,2-Dichloropropane	0.013	ug/L		U	0		0.013		
1,3,5-Trimethylbenzene	0.013	ug/L		U	0		0.013		
1,3-Dichlorobenzene	0.013	ug/L		U	0		0.013		
1,3-Dichloropropane	0.020	ug/L		U	0		0.020		
1,4-Dichlorobenzene	0.0784	ug/L		U	0		0.017		
2,2-Dichloropropane	0.075	ug/L		U	0		0.075		
2-Butanone	0.31	ug/L		U	0		0.31		
2-Chlorotoluene	0.020	ug/L		U	0		0.020		
2-Hexanone	0.15	ug/L		U	0		0.15		
4-Chlorotoluene	0.013	ug/L		U	0		0.013		
4-Methyl-2-pentanone	0.19	ug/L		U	0		0.19		
Acetone	1.31	ug/L		U	0		0.84		
Benzene	0.022	ug/L		U	0		0.022		
Bromobenzene	0.018	ug/L		U	0		0.018		
Bromochloromethane	0.034	ug/L		U	0		0.034		
Bromodichloromethane	0.019	ug/L		U	0		0.019		
Bromofluorobenzene	101	% Recovery			100	101	68	---	120
Bromoform	0.041	ug/L		U	0		0.041		
Bromomethane	0.052	ug/L		U	0		0.052		
Carbon disulfide	0.11	ug/L		U	0		0.11		
Carbon tetrachloride	0.018	ug/L		U	0		0.018		
Chlorobenzene	0.0481	ug/L		U	0		0.013		
Chloroethane	0.40	ug/L		U	0		0.40		
Chloroform	0.016	ug/L		U	0		0.016		
Chloromethane	0.045	ug/L		U	0		0.045		
cis-1,2-Dichloroethene	0.023	ug/L		U	0		0.023		

Method Blank Water

Analytical Run #:	198308	Analysis Date:	12/21/2021	Prep Batch #:	Matrix:	LIQUID
CTLab #:	1086844	Analysis Time:	10:51	Prep Date/Time:	Method:	SW8260C
Parent Sample #:		Analyst:	RLD	Prep Analyst:		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	0.014	ug/L		U	0		0.014		
d8-Toluene	100	% Recovery			100	100	71 --- 117		
Dibromochloromethane	0.016	ug/L		U	0		0.016		
Dibromofluoromethane	99.0	% Recovery			100	99.0	67 --- 122		
Dibromomethane	0.018	ug/L		U	0		0.018		
Dichlorodifluoromethane	0.091	ug/L		U	0		0.091		
Diisopropyl ether	0.015	ug/L		U	0		0.015		
Ethylbenzene	0.014	ug/L		U	0		0.014		
Hexachlorobutadiene	0.027	ug/L		U	0		0.027		
Isopropylbenzene	0.014	ug/L		U	0		0.014		
m & p-Xylene	0.022	ug/L		U	0		0.022		
Methyl tert-butyl ether	0.014	ug/L		U	0		0.014		
Methylene chloride	0.090	ug/L		U	0		0.090		
n-Butylbenzene	0.021	ug/L		U	0		0.021		
n-Propylbenzene	0.013	ug/L		U	0		0.013		
Naphthalene	0.025	ug/L		U	0		0.025		
o-Xylene	0.016	ug/L		U	0		0.016		
p-Isopropyltoluene	0.016	ug/L		U	0		0.016		
sec-Butylbenzene	0.012	ug/L		U	0		0.012		
Styrene	0.014	ug/L		U	0		0.014		
tert-Butylbenzene	0.013	ug/L		U	0		0.013		
Tetrachloroethene	0.028	ug/L		U	0		0.028		
Tetrahydrofuran	0.821	ug/L			0		0.38		
Toluene	0.014	ug/L		U	0		0.014		
trans-1,2-Dichloroethene	0.020	ug/L		U	0		0.020		
trans-1,3-Dichloropropene	0.020	ug/L		U	0		0.020		
Trichloroethene	0.022	ug/L		U	0		0.022		
Trichlorofluoromethane	0.033	ug/L		U	0		0.033		
Vinyl acetate	0.14	ug/L		U	0		0.14		
Vinyl chloride	0.019	ug/L		U	0		0.019		

Sample Condition Report

Folder #: 166528	Print Date / Time: 12/17/2021 10:42
Client: HYDE ENVIRONMENTAL, INC.	Received Date / Time / By: 12/17/2021 10:24 erc
Project Name: OEI	Log-In Date / Time / By: 12/17/2021 10:42 erc
Project Phase: ASHIPPUN, WI	Project #: PM: BMS
Coolers: UNMARKED	Temperature: 1.4 C On Ice: Y
Custody Seals Present : N	COC Present:? Y Complete? Y
Seal Intact? N	Numbers: N/A
Ship Method: UPS GROUND	Tracking Number: 1ZA819A80343655160
Adequate Packaging: Y	Temp Blank Enclosed? Y

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

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
1085329 PURGE WATER	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
Total # of Containers of Type (VOA HCL) = 2				

<u>Condition Code</u>	<u>Condition Description</u>
1	Sample Received OK

CHAIN OF CUSTODY

Company: Hyde
 Project Contact: Jim Lindemann
 Telephone: 262-250-1226
 Project Name: OEC1
 Project #:
 Location: Ashippun WI
 Sampled By: Jina Lindemann

Folder #: 166528
 Company: HYDE ENVIRONMENTAL, INC.
 Project: OCONOMOWOC ELECTROPLA
 Logged By: erc PM: BMS

1230 Lange Court, Baraboo, WI 53913
 608-356-2760 Fax 608-356-2766
 www.ctlaboratories.com
 Program:
 QSM RCRA SDWA NPDES
 Solid Waste Other Superfine
 PO #

Report To:
 EMAIL: jclindemann@hyde-env.com
 Company: Hyde
 Address: W175NW63 Stone wood Pkwy
 Greerman town, WI 53022
 Invoice To:*
 EMAIL:
 Company: Samuel
 Address:

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

Client Special Instructions

Filtered? Y/N	ANALYSES REQUESTED												Total # Containers	Designated MS/MSD	
<u>Y</u>	<u>VOCs</u>	<u>F</u>	<u>1,4</u>	<u>Picorane</u>											
	<u>low level</u>	<u>(8260 C)</u>													

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

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

Collection		Matrix	Grab/Comp	Sample #	Sample ID Description	Filtered? Y/N	Fill in Spaces with Bottles per Test												CT Lab ID # Lab use only
Date	Time																		
<u>12/16/21</u>	<u>1130</u>	<u>GW</u>	<u>Gvab</u>		<u>Purge Water</u>	<u>N</u>	<u>2</u>												

Relinquished By: [Signature]
 Received by:

Date/Time
12/16/21 1200
 Date/Time

Received By: ERC
 Received for Laboratory by:
 166528 - Page 14 of 15
ERC

Date/Time
12/17/21 1024
 Date/Time
12/17/21 1043

Lab Use Only
 Ice Present Yes No
 Temp 1.4 IR Gun 28
 Cooler # XXX

Cooler Receipt Form

Ice Present YES NO

Observed Temperature 1.9

Actual Temperature 1.9

IR Gun # 28

Initials Enc

Date 12/17/21 Time 1024

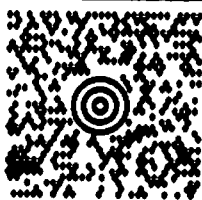
Cooler #: XXX

HYD ENVIRONMENTAL
(262) 250-1226
THE UPS STORE #5233
N112W16290 MEQUON RD
GERMANTOWN WI 53022-3306

12 LBS 1 OF 1
SHP WT: 12 LBS
DWT: 16.12.11
DATE: 18 DEC 2021
AH

SHIP CT LABORATORIES
TO: 1230 LANGE CT

BARABOO WI 53913-3109

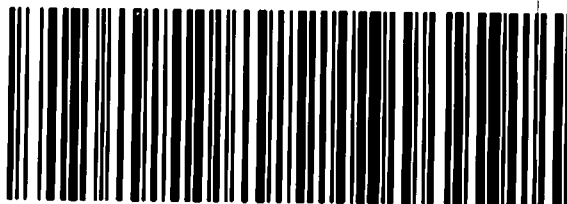


WI 539 0-10



UPS GROUND

TRACKING #: 1Z A81 9A8 03 4365 5160



BILLING: P/P



ANNUAL GROUNDWATER MONITORING REPORT

OECI Superfund Site, Town of Ashippun, WI

June 28, 2022

APPENDIX D

Field Notes and Low-Flow Test Reports

11/30/21 0930 on site (LRC), sunny, 35°F

mw-15: WL: 7.79 well condition: Fair,
TD: 17.62 casing dented, lock
hasp bent, PVC

mw-10: WL: 7.52 well condition: good,
TD: 50.73 PVC

.1C

mw-1040: WL: 5.11 well condition: flush
TD: 27.32 mount cover seal
gone, PVC

.1C

mw-1040: WL: 5.55 well condition: Flush
TD: 14.24 mount cover seal
gone, PVC

mw-50: WL: 4.16 well condition: Fair,
TD: 24.55 no lock, Stainless
Steel

mw-95: WL: 6.34 well condition: good,
TD: 22.33 stainless steel

mw-1035: WL: 7.59 well condition: Fair,
TD: 16.64 cracked lid, PVC

mw-1030: WL: 7.33 well condition: good,
TD: 26.91 PVC

mw-6: WL: 6.13 well condition: Fair, sticker
TD: 50.68 slightly dented, stainless
steel

mw-20: WL: 6.74 well condition: good, PVC
TD: 43.54

mw-30: WL: 7.14 well condition: good, PVC
TD: 50.59

~~mw-35: gone~~

mw-40: WL: 4.46 well condition: Fair, lock hasp
TD: 18.22 slightly bent PVC

mw-45: WL: 9.22 well condition: good
TD: 18.08

mw-14 DR: WL: 6.16 well condition: Fair,
TD: 31.82 bolt missing PVC

MW-105s: WL: 5.19 well condition: good, PVC
TD: 15.69

MW-105D: WL: 4.51 well condition: Good, PVC
TD: 29.65

MW-105B: WL: 4.53 well condition: good, PVC
TD: 47.17

MW-105: WL: 3.96 well condition: good,
TD: 14.51 not locked

MW-12B: WL: 4.98 well condition: good,
TD: 44.62
LC stainless steel

MW-12D: WL: 3.94 well condition: good, stainless
TD: 25.19 steel

MW-12S: WL: 5.01 well condition: Good, Stainless
TD: 14.78 Steel, not locked.
Well casing sticking too
far out of cover to
meet & lock

2021 LC
TW-2021: WL: 7.92 well condition: good
TD: 22.34 PVC

MW-150: WL: 39.32 well condition: good,
TD: WL: 10.94 PVC

MW-15B: WL: 9.83 well condition: good
TD: 57.43 PVC

MW-15S: WL: 9.94 well condition: good
TD: 16.42 PVC

MW-102S: WL: 9.13 well condition: Fair,
TD: 15.65 cover bolts missing
PVC

MW-102D: WL: 8.21 well condition: Fair,
TD: 49.03 cover bolts missing
PVC

MW-106S: WL: 5.15 well condition: good,
TD: 17.16 PVC

MW-106D: WL: 4.63 well condition: good
TD: 52.22 PVC

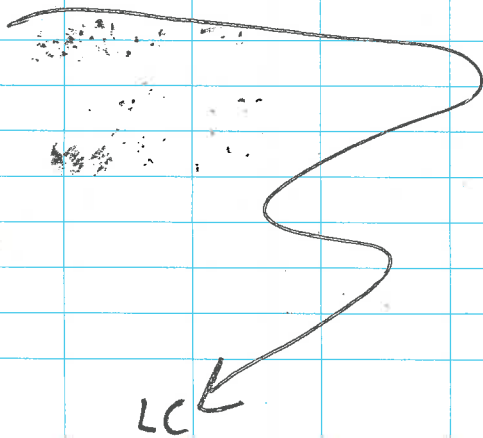
MW-13D: WL: 5.65 well condition: good
TD: 31.44 PVC

MW-13S: WL: 6.88 well condition: Fair,
TD: 15.34 concrete pad heaved
up & hanging on protec
tive cover, stainless
steel

MW-101S: WL: 6.01 well condition: Good
TD: 12.51 PVC

MW-101B: WL: 6.11 well condition: Good
TD: 48.74 PVC

Φ500 - off site



LC

12/1/21 0630 on-site LRC
Partly Cloudy, ~37°F, Purpose: Sample
monitoring wells

- 0700 - ~~to~~^{LC} MW-1S sampled, clear, odorless
0800 - MW-1D sampled, clear, odorless
0830 - MW-5D sampled, clear, odorless
0930 - MW-9S sampled, clear, odorless
1030 - MW-2D sampled, clear, odorless, red flock
1100 - ~~MW-6~~ MW-6 sampled, clear, odorless
1200 - MW-103D sampled, clear, rotten egg smell
1230 - MW-103S sampled, clear, odorless
1330 - MW-105D sampled, clear, red flock, slight
odor.
1400 - MW-105B sampled, clear, colorless
1415 - MW-105B duplicate sample collected
1530 - MW-12B sampled, clear, odorless
1600 - MW-12D sampled, clear, odorless
1630 - MW-12S sampled, clear, odorless
PW-07 PH: 7.91 Cond.: 1.032 Temp: 10.42
PW-08: PH: 7.78 Cond.: 1.018.7
Temp: 10.55°C

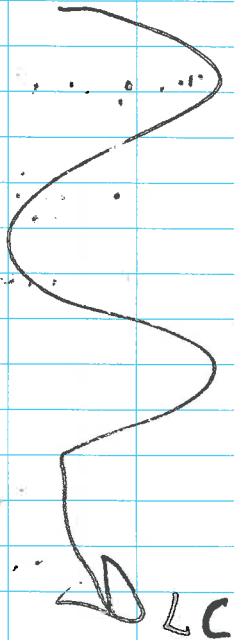
PW-09: PH: 7.78 Cond: 998.19 Temp: 10.81°C

PW-10: PH: 7.67 Cond: 1,218.4 Temp: 17.14°C

1700 - Off site

1740 - Taking samples to UPS

1800-1840: Prepping bottles & labels for tomorrow



12-2-21, LRC, 0630 on site, purpose
sample monitoring wells

~~mw-1055 LC~~

0700 - mw-1055 Sampled, Clear, odorless

0800 - mw-3D Sampled, Clear odorless

0900 - mw-4S Sampled, Clear, odorless, black flock

0930 - mw-140R Sampled, Clear, Black flock

1030 - mw-101S Sampled, Clear, odorless

1100 - mw-101B Sampled, Clear, odorless

1130 - TW-2021 Sampled, Clear, odorless

1230 - mw-102S Sampled, Clear, odorless

1300 - mw-102D Sampled, Clear, odorless

1330 - mw-15D Sampled, Clear, odorless

1345 - TW-2021 Duplicate sample

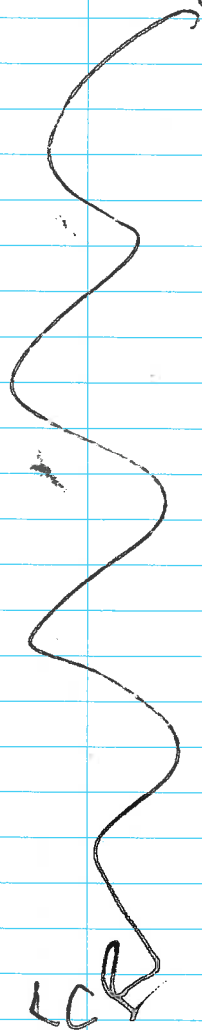
1430 - mw-15S Sampled, Clear, odorless, suspended sediment

1500 - mw-15B Sampled, Clear, Black flock

1530 - Dropping off water & pumping through
Carbon filter into transfer drum

1600 - going to buy ice, packing coolers,
off-site

1700- filling out CCRs @ office

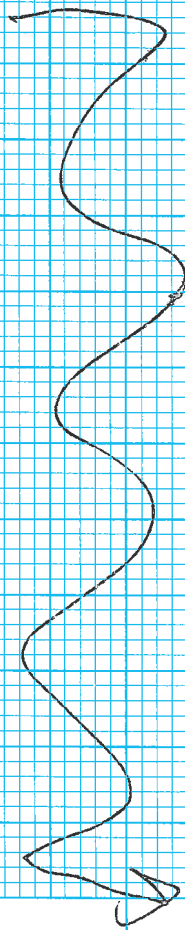


CCR

12-3-21

PW-03: pH: 9.08 Cond: 970.73 Temp: 20.59

PW-05: pH: 8.41 Cond: 1,189.0 Temp: 20.46



LC

Rite in the Rain

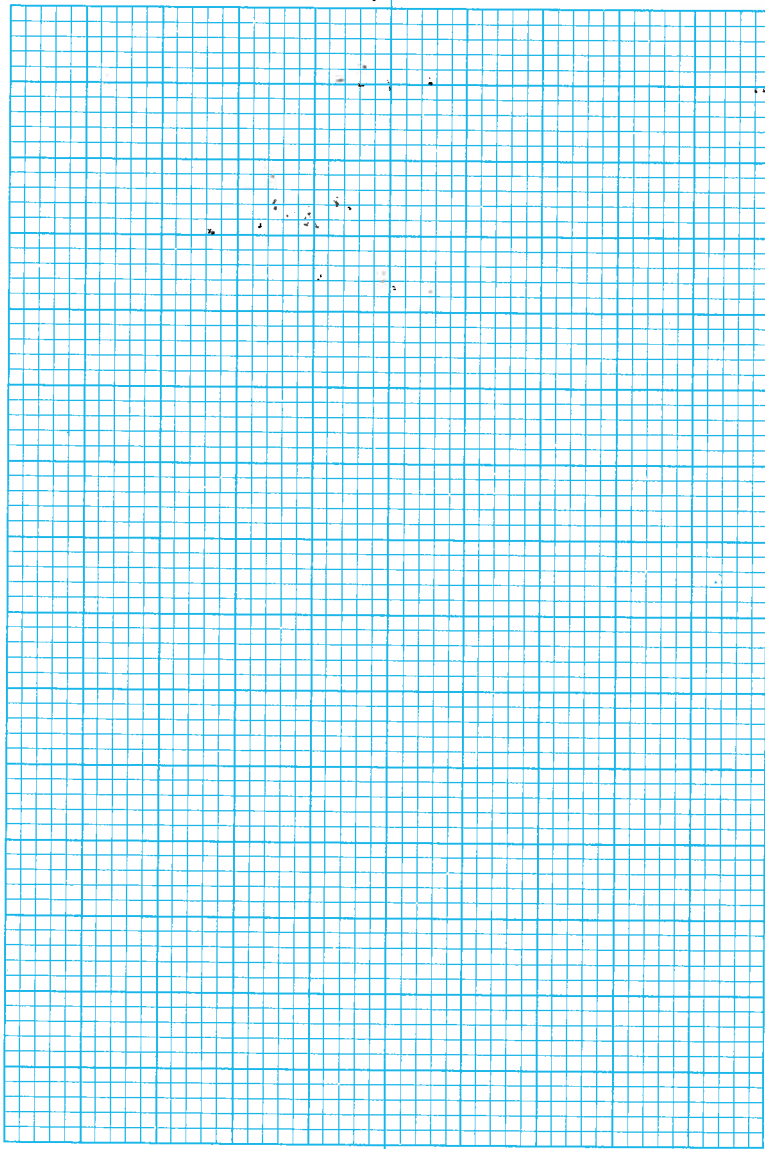
12-6-21 LRC 1130 on site

1230 - Sampled mw-165, clear, black flock
odorless

1300 - mw-130 Sampled, clear, red flock
odorless

1400 - mw-135 Sampled clear, odorless

1500 - off site.



Low-Flow Test Report:

Test Date / Time: 12/1/2021 7:39:09 AM

Project: OEI MW-1S

Operator Name: LRC

<p>Location Name: MW-1S Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 7.62 ft Total Depth: 17.62 ft Initial Depth to Water: 7.79 ft</p>	<p>Pump Type: Geo Tubing Type: Poly Tubing Inner Diameter: 0.177 in Tubing Length: 10 ft Pump Intake From TOC: 1 ft Estimated Total Volume Pumped: 2318.333 ml Flow Cell Volume: 130 ml Final Flow Rate: 100 ml/min Final Draw Down: 0 ft</p>	<p>Instrument Used: Aqua TROLL 500 Serial Number: 634432</p>
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Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 3 %	+/- 0.3	+/- 10	+/- 10	+/- 5	
12/1/2021 7:39 AM	00:00	8.43 pH	10.54 °C	1,244.8 µS/cm	8.52 mg/L	167.46 NTU	51.3 mV	237.44 cm	100.00 ml/min
12/1/2021 7:40 AM	01:47	8.15 pH	11.05 °C	1,231.0 µS/cm	6.94 mg/L	180.87 NTU	69.4 mV	237.44 cm	100.00 ml/min
12/1/2021 7:42 AM	03:34	7.97 pH	11.18 °C	1,223.8 µS/cm	5.72 mg/L	189.12 NTU	81.3 mV	237.44 cm	100.00 ml/min
12/1/2021 7:44 AM	05:21	7.87 pH	10.65 °C	1,213.7 µS/cm	4.78 mg/L	191.33 NTU	84.9 mV	237.44 cm	100.00 ml/min
12/1/2021 7:46 AM	07:08	7.79 pH	10.44 °C	1,209.8 µS/cm	4.06 mg/L	184.29 NTU	89.4 mV	237.44 cm	100.00 ml/min
12/1/2021 7:48 AM	08:55	7.74 pH	10.86 °C	1,207.9 µS/cm	3.50 mg/L	186.86 NTU	90.2 mV	237.44 cm	100.00 ml/min
12/1/2021 7:49 AM	10:42	7.69 pH	10.96 °C	1,204.8 µS/cm	3.05 mg/L	186.63 NTU	91.4 mV	237.44 cm	100.00 ml/min
12/1/2021 7:51 AM	12:29	7.64 pH	11.10 °C	1,205.1 µS/cm	2.69 mg/L	189.67 NTU	92.0 mV	237.44 cm	100.00 ml/min
12/1/2021 7:53 AM	14:16	7.61 pH	11.06 °C	1,203.8 µS/cm	2.41 mg/L	183.76 NTU	90.8 mV	237.44 cm	100.00 ml/min
12/1/2021 7:55 AM	16:03	7.58 pH	11.28 °C	1,202.7 µS/cm	2.15 mg/L	184.90 NTU	88.7 mV	237.44 cm	100.00 ml/min
12/1/2021 7:56 AM	17:50	7.56 pH	11.36 °C	1,201.5 µS/cm	1.92 mg/L	185.70 NTU	85.8 mV	237.44 cm	100.00 ml/min
12/1/2021 7:58 AM	19:37	7.54 pH	11.38 °C	1,201.9 µS/cm	1.74 mg/L	185.36 NTU	83.5 mV	237.44 cm	100.00 ml/min
12/1/2021 8:00 AM	21:24	7.53 pH	11.38 °C	1,208.1 µS/cm	1.59 mg/L	184.31 NTU	79.5 mV	237.44 cm	100.00 ml/min
12/1/2021 8:02 AM	23:11	7.52 pH	11.19 °C	1,206.4 µS/cm	1.47 mg/L	182.04 NTU	76.9 mV	237.44 cm	100.00 ml/min

Samples

Sample ID:	Description:
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Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 12/1/2021 8:24:05 AM

Project: OECI MW-1D

Operator Name: LRC

Location Name: MW-1D Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 40.73 ft Total Depth: 50.73 ft Initial Depth to Water: 7.62 ft	Pump Type: Geo Tubing Type: Poly Tubing Inner Diameter: 0.177 in Tubing Length: 45 ft Pump Intake From TOC: 1 ft Estimated Total Volume Pumped: 4160 ml Flow Cell Volume: 130 ml Final Flow Rate: 200 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 500 Serial Number: 634432
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Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 3 %	+/- 0.3	+/- 10	+/- 10	+/- 5	
12/1/2021 8:24 AM	00:00	7.78 pH	11.20 °C	560.74 µS/cm	1.22 mg/L	191.57 NTU	33.9 mV	232.26 cm	200.00 ml/min
12/1/2021 8:25 AM	01:44	7.78 pH	11.05 °C	549.74 µS/cm	1.18 mg/L	196.51 NTU	25.6 mV	232.26 cm	200.00 ml/min
12/1/2021 8:27 AM	03:28	7.77 pH	11.23 °C	543.29 µS/cm	1.11 mg/L	196.35 NTU	20.0 mV	232.26 cm	200.00 ml/min
12/1/2021 8:29 AM	05:12	7.77 pH	11.24 °C	543.62 µS/cm	1.03 mg/L	200.77 NTU	10.5 mV	232.26 cm	200.00 ml/min
12/1/2021 8:31 AM	06:56	7.80 pH	11.27 °C	538.88 µS/cm	0.95 mg/L	200.81 NTU	-4.7 mV	232.26 cm	200.00 ml/min
12/1/2021 8:32 AM	08:40	7.83 pH	11.24 °C	536.39 µS/cm	0.88 mg/L	200.11 NTU	-10.4 mV	232.26 cm	200.00 ml/min
12/1/2021 8:34 AM	10:24	7.86 pH	11.17 °C	534.94 µS/cm	0.82 mg/L	200.97 NTU	-33.4 mV	232.26 cm	200.00 ml/min
12/1/2021 8:36 AM	12:08	7.87 pH	11.50 °C	533.90 µS/cm	0.76 mg/L	202.85 NTU	-40.0 mV	232.26 cm	200.00 ml/min
12/1/2021 8:37 AM	13:52	7.87 pH	11.45 °C	534.13 µS/cm	0.72 mg/L	202.38 NTU	-51.3 mV	232.26 cm	200.00 ml/min
12/1/2021 8:39 AM	15:36	7.86 pH	11.41 °C	533.79 µS/cm	0.67 mg/L	202.87 NTU	-64.1 mV	232.26 cm	200.00 ml/min
12/1/2021 8:41 AM	17:20	7.86 pH	11.43 °C	532.83 µS/cm	0.63 mg/L	203.42 NTU	-70.4 mV	232.26 cm	200.00 ml/min
12/1/2021 8:43 AM	19:04	7.86 pH	11.48 °C	532.39 µS/cm	0.60 mg/L	202.73 NTU	-75.1 mV	232.26 cm	200.00 ml/min
12/1/2021 8:44 AM	20:48	7.88 pH	11.40 °C	530.81 µS/cm	0.57 mg/L	202.78 NTU	-80.4 mV	232.26 cm	200.00 ml/min

Low-Flow Test Report:

Test Date / Time: 12/1/2021 9:06:13 AM

Project: OECl MW-5D

Operator Name: LRC

Location Name: MW-5D Well Diameter: 2 in Casing Type: Stainless Steel Screen Length: 10 ft Top of Screen: 14.55 ft Total Depth: 24.55 ft Initial Depth to Water: 4.16 ft	Pump Type: Geo Tubing Type: Poly Tubing Inner Diameter: 0.177 in Tubing Length: 20 ft Pump Intake From TOC: 1 ft Estimated Total Volume Pumped: 2720 ml Flow Cell Volume: 130 ml Final Flow Rate: 200 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 500 Serial Number: 634432
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Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 3 %	+/- 0.3	+/- 10	+/- 10	+/- 5	
12/1/2021 9:06 AM	00:00	7.74 pH	10.46 °C	987.34 µS/cm	5.05 mg/L	202.62 NTU	-68.4 mV	126.80 cm	200.00 ml/min
12/1/2021 9:07 AM	01:08	7.74 pH	10.22 °C	989.36 µS/cm	4.53 mg/L	217.27 NTU	-67.2 mV	126.80 cm	200.00 ml/min
12/1/2021 9:08 AM	02:16	7.73 pH	10.21 °C	1,001.6 µS/cm	4.09 mg/L	215.39 NTU	-65.4 mV	126.80 cm	200.00 ml/min
12/1/2021 9:09 AM	03:24	7.71 pH	10.36 °C	1,020.9 µS/cm	3.67 mg/L	213.86 NTU	-64.4 mV	126.80 cm	200.00 ml/min
12/1/2021 9:10 AM	04:32	7.68 pH	10.45 °C	1,031.9 µS/cm	3.29 mg/L	217.21 NTU	-64.0 mV	126.80 cm	200.00 ml/min
12/1/2021 9:11 AM	05:40	7.67 pH	10.46 °C	1,036.6 µS/cm	2.94 mg/L	220.62 NTU	-61.8 mV	126.80 cm	200.00 ml/min
12/1/2021 9:13 AM	06:48	7.66 pH	10.48 °C	1,037.6 µS/cm	2.65 mg/L	220.60 NTU	-60.8 mV	126.80 cm	200.00 ml/min
12/1/2021 9:14 AM	07:56	7.64 pH	10.55 °C	1,037.1 µS/cm	2.40 mg/L	221.70 NTU	-59.2 mV	126.80 cm	200.00 ml/min
12/1/2021 9:15 AM	09:04	7.62 pH	10.56 °C	1,037.5 µS/cm	2.17 mg/L	220.87 NTU	-59.5 mV	126.80 cm	200.00 ml/min
12/1/2021 9:16 AM	10:12	7.61 pH	10.50 °C	1,039.5 µS/cm	1.99 mg/L	222.97 NTU	-59.1 mV	126.80 cm	200.00 ml/min
12/1/2021 9:17 AM	11:20	7.60 pH	10.58 °C	1,039.9 µS/cm	1.82 mg/L	223.21 NTU	-59.0 mV	126.80 cm	200.00 ml/min
12/1/2021 9:18 AM	12:28	7.59 pH	10.60 °C	1,040.5 µS/cm	1.67 mg/L	219.96 NTU	-58.5 mV	126.80 cm	200.00 ml/min
12/1/2021 9:19 AM	13:36	7.59 pH	10.59 °C	1,036.6 µS/cm	1.53 mg/L	217.14 NTU	-57.7 mV	126.80 cm	200.00 ml/min

Low-Flow Test Report:

Test Date / Time: 12/1/2021 9:40:50 AM

Project: OECl MW-9S

Operator Name: LRC

Location Name: MW-9S Well Diameter: 2 in Casing Type: Stainless Steel Screen Length: 10 ft Top of Screen: 12.33 ft Total Depth: 22.33 ft Initial Depth to Water: 6.34 ft	Pump Type: Geo Tubing Type: Poly Tubing Inner Diameter: 0.177 in Tubing Length: 20 ft Pump Intake From TOC: 1 ft Estimated Total Volume Pumped: 2925 ml Flow Cell Volume: 130 ml Final Flow Rate: 150 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 500 Serial Number: 634432
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Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 3 %	+/- 0.3	+/- 10	+/- 10	+/- 5	
12/1/2021 9:40 AM	00:00	7.58 pH	11.03 °C	1,391.2 µS/cm	7.07 mg/L	204.13 NTU	-2.4 mV	193.24 cm	150.00 ml/min
12/1/2021 9:42 AM	01:30	7.56 pH	11.05 °C	1,427.0 µS/cm	6.05 mg/L	213.34 NTU	-9.1 mV	193.24 cm	150.00 ml/min
12/1/2021 9:43 AM	03:00	7.56 pH	10.99 °C	1,439.6 µS/cm	5.18 mg/L	214.92 NTU	-13.7 mV	193.24 cm	150.00 ml/min
12/1/2021 9:45 AM	04:30	7.55 pH	11.00 °C	1,451.4 µS/cm	4.46 mg/L	202.20 NTU	-16.8 mV	193.24 cm	150.00 ml/min
12/1/2021 9:46 AM	06:00	7.55 pH	11.14 °C	1,455.0 µS/cm	3.84 mg/L	203.92 NTU	-19.3 mV	193.24 cm	150.00 ml/min
12/1/2021 9:48 AM	07:30	7.55 pH	11.18 °C	1,456.6 µS/cm	3.34 mg/L	199.52 NTU	-21.1 mV	193.24 cm	150.00 ml/min
12/1/2021 9:49 AM	09:00	7.55 pH	11.24 °C	1,458.1 µS/cm	2.93 mg/L	200.45 NTU	-22.7 mV	193.24 cm	150.00 ml/min
12/1/2021 9:51 AM	10:30	7.54 pH	11.21 °C	1,457.9 µS/cm	2.59 mg/L	197.68 NTU	-23.9 mV	193.24 cm	150.00 ml/min
12/1/2021 9:52 AM	12:00	7.54 pH	11.22 °C	1,459.7 µS/cm	2.31 mg/L	192.09 NTU	-25.2 mV	193.24 cm	150.00 ml/min
12/1/2021 9:54 AM	13:30	7.54 pH	11.29 °C	1,459.1 µS/cm	2.06 mg/L	189.29 NTU	-25.9 mV	193.24 cm	150.00 ml/min
12/1/2021 9:55 AM	15:00	7.54 pH	11.32 °C	1,459.1 µS/cm	1.86 mg/L	199.79 NTU	-26.8 mV	193.24 cm	150.00 ml/min
12/1/2021 9:57 AM	16:30	7.53 pH	11.46 °C	1,460.0 µS/cm	1.68 mg/L	204.86 NTU	-27.2 mV	193.24 cm	150.00 ml/min
12/1/2021 9:58 AM	18:00	7.53 pH	11.49 °C	1,458.4 µS/cm	1.53 mg/L	201.07 NTU	-27.9 mV	193.24 cm	150.00 ml/min
12/1/2021 10:00 AM	19:30	7.54 pH	11.20 °C	1,456.5 µS/cm	1.41 mg/L	200.86 NTU	-27.9 mV	193.24 cm	150.00 ml/min

Low-Flow Test Report:

Test Date / Time: 12/1/2021 10:36:48 AM

Project: OEI MW-2D

Operator Name: LRC

Location Name: MW-2D Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 33.54 ft Total Depth: 43.54 ft Initial Depth to Water: 6.74 ft	Pump Type: Geo Tubing Type: Poly Tubing Inner Diameter: 0.177 in Tubing Length: 25 ft Pump Intake From TOC: 1 ft Estimated Total Volume Pumped: 3250 ml Flow Cell Volume: 130 ml Final Flow Rate: 120 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 500 Serial Number: 634432
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Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 3 %	+/- 0.3	+/- 10	+/- 10	+/- 5	
12/1/2021 10:36 AM	00:00	7.93 pH	9.97 °C	1,085.1 µS/cm	8.67 mg/L	237.93 NTU	36.5 mV	205.44 cm	120.00 ml/min
12/1/2021 10:38 AM	02:05	7.78 pH	10.44 °C	1,052.8 µS/cm	7.06 mg/L	245.59 NTU	33.8 mV	205.44 cm	120.00 ml/min
12/1/2021 10:40 AM	04:10	7.71 pH	10.56 °C	1,048.4 µS/cm	5.72 mg/L	246.88 NTU	29.0 mV	205.44 cm	120.00 ml/min
12/1/2021 10:43 AM	06:15	7.67 pH	10.67 °C	1,048.7 µS/cm	4.69 mg/L	248.44 NTU	24.7 mV	205.44 cm	120.00 ml/min
12/1/2021 10:45 AM	08:20	7.66 pH	10.69 °C	1,047.8 µS/cm	3.87 mg/L	246.20 NTU	20.2 mV	205.44 cm	120.00 ml/min
12/1/2021 10:47 AM	10:25	7.66 pH	10.81 °C	1,047.5 µS/cm	3.24 mg/L	245.13 NTU	16.5 mV	205.44 cm	120.00 ml/min
12/1/2021 10:49 AM	12:30	7.66 pH	10.75 °C	1,045.6 µS/cm	2.75 mg/L	245.22 NTU	13.0 mV	205.44 cm	120.00 ml/min
12/1/2021 10:51 AM	14:35	7.66 pH	10.79 °C	1,046.4 µS/cm	2.37 mg/L	243.85 NTU	10.2 mV	205.44 cm	120.00 ml/min
12/1/2021 10:53 AM	16:40	7.67 pH	10.85 °C	1,046.4 µS/cm	2.02 mg/L	243.04 NTU	8.1 mV	205.44 cm	120.00 ml/min
12/1/2021 10:55 AM	18:45	7.68 pH	10.77 °C	1,046.1 µS/cm	1.75 mg/L	241.87 NTU	5.8 mV	205.44 cm	120.00 ml/min
12/1/2021 10:57 AM	20:50	7.68 pH	10.87 °C	1,047.8 µS/cm	1.55 mg/L	241.12 NTU	4.6 mV	205.44 cm	120.00 ml/min
12/1/2021 10:59 AM	22:55	7.68 pH	10.81 °C	1,046.6 µS/cm	1.38 mg/L	240.21 NTU	3.1 mV	205.44 cm	120.00 ml/min
12/1/2021 11:01 AM	25:00	7.68 pH	10.78 °C	1,046.6 µS/cm	1.25 mg/L	240.01 NTU	2.1 mV	205.44 cm	120.00 ml/min
12/1/2021 11:03 AM	27:05	7.69 pH	10.81 °C	1,046.8 µS/cm	1.12 mg/L	239.87 NTU	1.2 mV	205.44 cm	120.00 ml/min

Low-Flow Test Report:

Test Date / Time: 12/1/2021 11:29:48 AM

Project: OECl OW-6

Operator Name: Lrc

Location Name: OW-6 Well Diameter: 2 in Casing Type: Stainless Steel Screen Length: 10 ft Top of Screen: 40.68 ft Total Depth: 50.68 ft Initial Depth to Water: 6.13 ft	Pump Type: Geo Tubing Type: Poly Tubing Inner Diameter: 0.177 in Tubing Length: 45 ft Pump Intake From TOC: 1 ft Estimated Total Volume Pumped: 4160 ml Flow Cell Volume: 130 ml Final Flow Rate: 200 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 500 Serial Number: 634432
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Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 3 %	+/- 0.3	+/- 10	+/- 10	+/- 5	
12/1/2021 11:29 AM	00:00	8.67 pH	11.14 °C	790.80 µS/cm	7.15 mg/L	242.00 NTU	47.1 mV	186.84 cm	200.00 ml/min
12/1/2021 11:31 AM	01:44	9.16 pH	10.86 °C	822.22 µS/cm	6.13 mg/L	239.28 NTU	21.0 mV	186.84 cm	200.00 ml/min
12/1/2021 11:33 AM	03:28	9.44 pH	10.96 °C	839.61 µS/cm	5.27 mg/L	238.04 NTU	5.3 mV	186.84 cm	200.00 ml/min
12/1/2021 11:35 AM	05:12	9.64 pH	11.10 °C	850.85 µS/cm	4.54 mg/L	237.29 NTU	-9.3 mV	186.84 cm	200.00 ml/min
12/1/2021 11:36 AM	06:56	9.78 pH	11.19 °C	856.14 µS/cm	3.91 mg/L	229.33 NTU	-21.3 mV	186.84 cm	200.00 ml/min
12/1/2021 11:38 AM	08:40	9.89 pH	11.20 °C	861.73 µS/cm	3.42 mg/L	234.99 NTU	-30.9 mV	186.84 cm	200.00 ml/min
12/1/2021 11:40 AM	10:24	9.97 pH	11.22 °C	864.50 µS/cm	3.01 mg/L	232.73 NTU	-39.3 mV	186.84 cm	200.00 ml/min
12/1/2021 11:41 AM	12:08	10.03 pH	11.22 °C	865.90 µS/cm	2.69 mg/L	231.90 NTU	-46.1 mV	186.84 cm	200.00 ml/min
12/1/2021 11:43 AM	13:52	10.06 pH	11.17 °C	866.19 µS/cm	2.43 mg/L	229.96 NTU	-51.6 mV	186.84 cm	200.00 ml/min
12/1/2021 11:45 AM	15:36	10.09 pH	11.15 °C	866.76 µS/cm	2.21 mg/L	228.21 NTU	-56.1 mV	186.84 cm	200.00 ml/min
12/1/2021 11:47 AM	17:20	10.12 pH	11.17 °C	867.16 µS/cm	2.03 mg/L	227.03 NTU	-59.9 mV	186.84 cm	200.00 ml/min
12/1/2021 11:48 AM	19:04	10.15 pH	11.15 °C	868.30 µS/cm	1.88 mg/L	224.98 NTU	-63.2 mV	186.84 cm	200.00 ml/min
12/1/2021 11:50 AM	20:48	10.17 pH	11.26 °C	869.12 µS/cm	1.75 mg/L	224.01 NTU	-66.1 mV	186.84 cm	200.00 ml/min

Low-Flow Test Report:

Test Date / Time: 12/1/2021 12:13:08 PM

Project: OECl MW-103D

Operator Name: Lrc

Location Name: MW-103D Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 16.91 ft Total Depth: 26.91 ft Initial Depth to Water: 7.33 ft	Pump Type: Geo Tubing Type: Poly Tubing Inner Diameter: 0.177 in Tubing Length: 20 ft Pump Intake From TOC: 1 ft Estimated Total Volume Pumped: 5213.333 ml Flow Cell Volume: 130 ml Final Flow Rate: 200 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 500 Serial Number: 634432
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Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 3 %	+/- 0.3	+/- 10	+/- 10	+/- 5	
12/1/2021 12:13 PM	00:00	9.44 pH	10.76 °C	1,255.5 µS/cm	6.42 mg/L	1,829.9 NTU	11.5 mV	223.42 cm	200.00 ml/min
12/1/2021 12:14 PM	01:08	9.06 pH	11.20 °C	1,258.6 µS/cm	5.67 mg/L	2,337.9 NTU	19.5 mV	223.42 cm	200.00 ml/min
12/1/2021 12:15 PM	02:16	8.83 pH	11.35 °C	1,245.9 µS/cm	5.08 mg/L	1,091.7 NTU	25.5 mV	223.42 cm	200.00 ml/min
12/1/2021 12:16 PM	03:24	8.66 pH	11.35 °C	1,237.1 µS/cm	4.55 mg/L	310.95 NTU	30.6 mV	223.42 cm	200.00 ml/min
12/1/2021 12:17 PM	04:32	8.52 pH	11.40 °C	1,228.8 µS/cm	4.06 mg/L	73.70 NTU	33.6 mV	223.42 cm	200.00 ml/min
12/1/2021 12:18 PM	05:40	8.41 pH	11.47 °C	1,222.1 µS/cm	3.63 mg/L	107.35 NTU	34.8 mV	223.42 cm	200.00 ml/min
12/1/2021 12:19 PM	06:48	8.32 pH	11.54 °C	1,216.0 µS/cm	3.24 mg/L	75.69 NTU	35.5 mV	223.42 cm	200.00 ml/min
12/1/2021 12:21 PM	07:56	8.24 pH	11.54 °C	1,209.6 µS/cm	2.90 mg/L	367.88 NTU	35.5 mV	223.42 cm	200.00 ml/min
12/1/2021 12:22 PM	09:04	8.17 pH	11.57 °C	1,205.7 µS/cm	2.62 mg/L	81.61 NTU	35.3 mV	223.42 cm	200.00 ml/min
12/1/2021 12:23 PM	10:12	8.11 pH	11.57 °C	1,201.6 µS/cm	2.38 mg/L	134.78 NTU	34.8 mV	223.42 cm	200.00 ml/min
12/1/2021 12:24 PM	11:20	8.06 pH	11.59 °C	1,197.1 µS/cm	2.16 mg/L	171.68 NTU	34.1 mV	223.42 cm	200.00 ml/min
12/1/2021 12:25 PM	12:28	8.02 pH	11.59 °C	1,194.1 µS/cm	1.98 mg/L	182.15 NTU	33.2 mV	223.42 cm	200.00 ml/min
12/1/2021 12:26 PM	13:36	7.98 pH	11.59 °C	1,190.7 µS/cm	1.81 mg/L	105.37 NTU	32.3 mV	223.42 cm	200.00 ml/min
12/1/2021 12:27 PM	14:44	7.94 pH	11.63 °C	1,188.7 µS/cm	1.67 mg/L	89.80 NTU	31.5 mV	223.42 cm	200.00 ml/min

12/1/2021 12:29 PM	15:52	7.91 pH	11.64 °C	1,187.3 µS/cm	1.53 mg/L	147.46 NTU	30.4 mV	223.42 cm	200.00 ml/min
12/1/2021 12:30 PM	17:00	7.89 pH	11.61 °C	1,186.1 µS/cm	1.42 mg/L	175.53 NTU	29.3 mV	223.42 cm	200.00 ml/min
12/1/2021 12:31 PM	18:08	7.86 pH	11.68 °C	1,185.3 µS/cm	1.32 mg/L	178.10 NTU	28.6 mV	223.42 cm	200.00 ml/min
12/1/2021 12:32 PM	19:16	7.84 pH	11.69 °C	1,185.4 µS/cm	1.24 mg/L	105.01 NTU	27.6 mV	223.42 cm	200.00 ml/min
12/1/2021 12:33 PM	20:24	7.82 pH	11.71 °C	1,182.4 µS/cm	1.16 mg/L	91.48 NTU	26.5 mV	223.42 cm	200.00 ml/min
12/1/2021 12:34 PM	21:32	7.80 pH	11.67 °C	1,180.5 µS/cm	1.08 mg/L	125.49 NTU	25.7 mV	223.42 cm	200.00 ml/min
12/1/2021 12:35 PM	22:40	7.79 pH	11.74 °C	1,180.7 µS/cm	1.02 mg/L	168.96 NTU	24.7 mV	223.42 cm	200.00 ml/min
12/1/2021 12:36 PM	23:48	7.77 pH	11.72 °C	1,179.5 µS/cm	0.96 mg/L	186.60 NTU	24.0 mV	223.42 cm	200.00 ml/min
12/1/2021 12:38 PM	24:56	7.76 pH	11.74 °C	1,178.6 µS/cm	0.91 mg/L	190.59 NTU	23.0 mV	223.42 cm	200.00 ml/min
12/1/2021 12:39 PM	26:04	7.75 pH	11.78 °C	1,176.8 µS/cm	0.86 mg/L	196.22 NTU	22.3 mV	223.42 cm	200.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 12/1/2021 1:00:16 PM

Project: OEI MW-103S

Operator Name: Lrc

<p>Location Name: MW-103S Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 6.64 ft Total Depth: 16.64 ft Initial Depth to Water: 7.59 ft</p>	<p>Pump Type: Geo Tubing Type: Poly Tubing Inner Diameter: 0.177 in Tubing Length: 10 ft Pump Intake From TOC: 1 ft Estimated Total Volume Pumped: 1961.667 ml Flow Cell Volume: 130 ml Final Flow Rate: 100 ml/min Final Draw Down: 0 ft</p>	<p>Instrument Used: Aqua TROLL 500 Serial Number: 634432</p>
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Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 3 %	+/- 0.3	+/- 10	+/- 10	+/- 5	
12/1/2021 1:00 PM	00:00	7.84 pH	11.65 °C	940.80 µS/cm	6.26 mg/L	192.17 NTU	69.3 mV	231.34 cm	100.00 ml/min
12/1/2021 1:02 PM	01:47	7.77 pH	11.61 °C	952.97 µS/cm	5.23 mg/L	192.52 NTU	67.9 mV	231.34 cm	100.00 ml/min
12/1/2021 1:03 PM	03:34	7.73 pH	11.65 °C	962.08 µS/cm	4.39 mg/L	193.04 NTU	65.5 mV	231.34 cm	100.00 ml/min
12/1/2021 1:05 PM	05:21	7.69 pH	11.64 °C	969.95 µS/cm	3.71 mg/L	190.31 NTU	63.1 mV	231.34 cm	100.00 ml/min
12/1/2021 1:07 PM	07:08	7.66 pH	11.66 °C	978.51 µS/cm	3.18 mg/L	188.06 NTU	60.7 mV	231.34 cm	100.00 ml/min
12/1/2021 1:09 PM	08:55	7.64 pH	11.70 °C	985.01 µS/cm	2.76 mg/L	184.82 NTU	58.3 mV	231.34 cm	100.00 ml/min
12/1/2021 1:10 PM	10:42	7.62 pH	11.75 °C	990.10 µS/cm	2.41 mg/L	182.74 NTU	56.0 mV	231.34 cm	100.00 ml/min
12/1/2021 1:12 PM	12:29	7.61 pH	11.71 °C	994.89 µS/cm	2.13 mg/L	177.97 NTU	54.1 mV	231.34 cm	100.00 ml/min
12/1/2021 1:14 PM	14:16	7.59 pH	11.76 °C	1,002.7 µS/cm	1.90 mg/L	176.60 NTU	52.6 mV	231.34 cm	100.00 ml/min
12/1/2021 1:16 PM	16:03	7.58 pH	11.80 °C	1,007.3 µS/cm	1.71 mg/L	174.17 NTU	51.0 mV	231.34 cm	100.00 ml/min
12/1/2021 1:18 PM	17:50	7.57 pH	11.85 °C	1,012.2 µS/cm	1.55 mg/L	171.65 NTU	49.7 mV	231.34 cm	100.00 ml/min
12/1/2021 1:19 PM	19:37	7.57 pH	11.82 °C	1,017.3 µS/cm	1.41 mg/L	169.81 NTU	48.2 mV	231.34 cm	100.00 ml/min

Samples

Low-Flow Test Report:

Test Date / Time: 12/1/2021 1:47:37 PM

Project: OEI MW-105D

Operator Name: Lrc

<p>Location Name: MW-105D Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 19.65 ft Total Depth: 29.65 ft Initial Depth to Water: 4.51 ft</p>	<p>Pump Type: Geo Tubing Type: Poly Tubing Inner Diameter: 0.177 in Tubing Length: 20 ft Pump Intake From TOC: 1 ft Estimated Total Volume Pumped: 4543.333 ml Flow Cell Volume: 130 ml Final Flow Rate: 200 ml/min Final Draw Down: 0 ft</p>	<p>Instrument Used: Aqua TROLL 500 Serial Number: 634432</p>
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Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 3 %	+/- 0.3	+/- 10	+/- 10	+/- 5	
12/1/2021 1:47 PM	00:00	8.03 pH	10.90 °C	1,188.8 µS/cm	6.51 mg/L	149.26 NTU	78.3 mV	137.46 cm	200.00 ml/min
12/1/2021 1:48 PM	01:08	8.00 pH	10.97 °C	1,147.4 µS/cm	5.86 mg/L	155.93 NTU	77.0 mV	137.46 cm	200.00 ml/min
12/1/2021 1:49 PM	02:16	7.97 pH	11.04 °C	1,135.0 µS/cm	5.23 mg/L	150.47 NTU	75.9 mV	137.46 cm	200.00 ml/min
12/1/2021 1:51 PM	03:24	7.94 pH	11.05 °C	1,127.7 µS/cm	4.67 mg/L	153.70 NTU	74.3 mV	137.46 cm	200.00 ml/min
12/1/2021 1:52 PM	04:32	7.91 pH	11.09 °C	1,128.7 µS/cm	4.16 mg/L	150.85 NTU	71.5 mV	137.46 cm	200.00 ml/min
12/1/2021 1:53 PM	05:43	7.89 pH	11.10 °C	1,126.2 µS/cm	3.70 mg/L	148.45 NTU	67.8 mV	137.46 cm	200.00 ml/min
12/1/2021 1:54 PM	06:51	7.88 pH	11.11 °C	1,124.2 µS/cm	3.33 mg/L	139.88 NTU	63.3 mV	137.46 cm	200.00 ml/min
12/1/2021 1:55 PM	07:59	7.86 pH	11.09 °C	1,122.7 µS/cm	2.99 mg/L	158.66 NTU	57.9 mV	137.46 cm	200.00 ml/min
12/1/2021 1:56 PM	09:07	7.85 pH	11.10 °C	1,123.3 µS/cm	2.71 mg/L	161.27 NTU	51.4 mV	137.46 cm	200.00 ml/min
12/1/2021 1:57 PM	10:15	7.85 pH	11.09 °C	1,123.8 µS/cm	2.47 mg/L	164.93 NTU	44.3 mV	137.46 cm	200.00 ml/min
12/1/2021 1:59 PM	11:23	7.84 pH	11.15 °C	1,125.4 µS/cm	2.25 mg/L	161.56 NTU	36.6 mV	137.46 cm	200.00 ml/min
12/1/2021 2:00 PM	12:31	7.83 pH	11.16 °C	1,124.7 µS/cm	2.06 mg/L	158.34 NTU	28.5 mV	137.46 cm	200.00 ml/min
12/1/2021 2:01 PM	13:39	7.82 pH	11.13 °C	1,123.3 µS/cm	1.90 mg/L	158.96 NTU	20.4 mV	137.46 cm	200.00 ml/min
12/1/2021 2:02 PM	14:47	7.82 pH	11.13 °C	1,124.1 µS/cm	1.75 mg/L	158.60 NTU	12.5 mV	137.46 cm	200.00 ml/min

12/1/2021 2:03 PM	15:55	7.81 pH	11.15 °C	1,124.0 µS/cm	1.63 mg/L	148.69 NTU	5.0 mV	137.46 cm	200.00 ml/min
12/1/2021 2:04 PM	17:03	7.81 pH	11.14 °C	1,125.1 µS/cm	1.51 mg/L	158.88 NTU	-1.9 mV	137.46 cm	200.00 ml/min
12/1/2021 2:05 PM	18:11	7.81 pH	11.13 °C	1,127.0 µS/cm	1.41 mg/L	161.29 NTU	-8.1 mV	137.46 cm	200.00 ml/min
12/1/2021 2:06 PM	19:19	7.80 pH	11.16 °C	1,124.8 µS/cm	1.32 mg/L	143.98 NTU	-13.9 mV	137.46 cm	200.00 ml/min
12/1/2021 2:08 PM	20:27	7.80 pH	11.16 °C	1,123.5 µS/cm	1.24 mg/L	160.77 NTU	-18.9 mV	137.46 cm	200.00 ml/min
12/1/2021 2:09 PM	21:35	7.80 pH	11.18 °C	1,123.5 µS/cm	1.16 mg/L	152.43 NTU	-23.5 mV	137.46 cm	200.00 ml/min
12/1/2021 2:10 PM	22:43	7.80 pH	11.16 °C	1,123.2 µS/cm	1.09 mg/L	152.72 NTU	-27.6 mV	137.46 cm	200.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 12/1/2021 2:26:39 PM

Project: OEI MW-105B

Operator Name: Lrc

Location Name: MW-105B Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 37.17 ft Total Depth: 47.17 ft Initial Depth to Water: 4.53 ft	Pump Type: Geo Tubing Type: Poly Tubing Inner Diameter: 0.177 in Tubing Length: 40 ft Pump Intake From TOC: 1 ft Estimated Total Volume Pumped: 4203.333 ml Flow Cell Volume: 130 ml Final Flow Rate: 200 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 500 Serial Number: 634432
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Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 3 %	+/- 0.3	+/- 10	+/- 10	+/- 5	
12/1/2021 2:26 PM	00:00	8.16 pH	10.91 °C	767.37 µS/cm	7.42 mg/L	154.61 NTU	0.8 mV	138.07 cm	200.00 ml/min
12/1/2021 2:28 PM	01:37	8.11 pH	10.89 °C	756.82 µS/cm	6.30 mg/L	141.31 NTU	-8.5 mV	138.07 cm	200.00 ml/min
12/1/2021 2:29 PM	03:14	8.09 pH	10.84 °C	752.68 µS/cm	5.31 mg/L	148.78 NTU	-21.3 mV	138.07 cm	200.00 ml/min
12/1/2021 2:31 PM	04:51	8.07 pH	10.80 °C	749.16 µS/cm	4.49 mg/L	151.71 NTU	-37.7 mV	138.07 cm	200.00 ml/min
12/1/2021 2:33 PM	06:28	8.06 pH	10.78 °C	749.01 µS/cm	3.82 mg/L	153.10 NTU	-54.9 mV	138.07 cm	200.00 ml/min
12/1/2021 2:34 PM	08:05	8.05 pH	10.78 °C	748.26 µS/cm	3.27 mg/L	154.63 NTU	-69.4 mV	138.07 cm	200.00 ml/min
12/1/2021 2:36 PM	09:42	8.05 pH	10.81 °C	747.91 µS/cm	2.82 mg/L	156.07 NTU	-81.3 mV	138.07 cm	200.00 ml/min
12/1/2021 2:37 PM	11:19	8.05 pH	10.78 °C	747.84 µS/cm	2.46 mg/L	156.80 NTU	-90.2 mV	138.07 cm	200.00 ml/min
12/1/2021 2:39 PM	12:56	8.05 pH	10.78 °C	747.11 µS/cm	2.16 mg/L	157.04 NTU	-97.0 mV	138.07 cm	200.00 ml/min
12/1/2021 2:41 PM	14:33	8.05 pH	10.81 °C	747.15 µS/cm	1.91 mg/L	157.36 NTU	-102.2 mV	138.07 cm	200.00 ml/min
12/1/2021 2:42 PM	16:10	8.04 pH	10.82 °C	745.66 µS/cm	1.70 mg/L	157.23 NTU	-106.1 mV	138.07 cm	200.00 ml/min
12/1/2021 2:44 PM	17:47	8.04 pH	10.80 °C	744.89 µS/cm	1.52 mg/L	158.12 NTU	-109.8 mV	138.07 cm	200.00 ml/min
12/1/2021 2:46 PM	19:24	8.04 pH	10.81 °C	744.73 µS/cm	1.37 mg/L	157.93 NTU	-112.9 mV	138.07 cm	200.00 ml/min
12/1/2021 2:47 PM	21:01	8.04 pH	10.83 °C	744.50 µS/cm	1.24 mg/L	157.92 NTU	-115.5 mV	138.07 cm	200.00 ml/min

Low-Flow Test Report:

Test Date / Time: 12/1/2021 3:49:38 PM

Project: OEI MW-12B

Operator Name: LRC

Location Name: MW-12B Well Diameter: 2 in Casing Type: Stainless Steel Screen Length: 10 ft Top of Screen: 34.62 ft Total Depth: 44.62 ft Initial Depth to Water: 4.98 ft	Pump Type: Geo Tubing Type: Poly Tubing Inner Diameter: 0.177 in Tubing Length: 40 ft Pump Intake From TOC: 1 ft Estimated Total Volume Pumped: 3880 ml Flow Cell Volume: 130 ml Final Flow Rate: 200 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 500 Serial Number: 634432
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Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 3 %	+/- 0.3	+/- 10	+/- 10	+/- 5	
12/1/2021 3:49 PM	00:00	8.34 pH	9.93 °C	981.75 µS/cm	7.90 mg/L	158.75 NTU	-7.8 mV	151.79 cm	200.00 ml/min
12/1/2021 3:51 PM	01:37	8.27 pH	9.91 °C	976.04 µS/cm	6.80 mg/L	160.96 NTU	-13.8 mV	151.79 cm	200.00 ml/min
12/1/2021 3:52 PM	03:14	8.27 pH	9.90 °C	956.35 µS/cm	5.86 mg/L	162.25 NTU	-22.9 mV	151.79 cm	200.00 ml/min
12/1/2021 3:54 PM	04:51	8.32 pH	9.90 °C	942.75 µS/cm	5.08 mg/L	162.91 NTU	-37.9 mV	151.79 cm	200.00 ml/min
12/1/2021 3:56 PM	06:28	8.40 pH	9.89 °C	930.36 µS/cm	4.44 mg/L	162.15 NTU	-58.4 mV	151.79 cm	200.00 ml/min
12/1/2021 3:57 PM	08:05	8.53 pH	9.91 °C	913.00 µS/cm	3.92 mg/L	163.18 NTU	-83.5 mV	151.79 cm	200.00 ml/min
12/1/2021 3:59 PM	09:42	8.68 pH	9.90 °C	902.37 µS/cm	3.51 mg/L	163.15 NTU	-110.1 mV	151.79 cm	200.00 ml/min
12/1/2021 4:00 PM	11:19	8.84 pH	9.91 °C	894.33 µS/cm	3.18 mg/L	163.03 NTU	-132.9 mV	151.79 cm	200.00 ml/min
12/1/2021 4:02 PM	12:56	8.95 pH	9.92 °C	889.77 µS/cm	2.93 mg/L	162.75 NTU	-147.8 mV	151.79 cm	200.00 ml/min
12/1/2021 4:04 PM	14:33	9.05 pH	9.91 °C	886.10 µS/cm	2.75 mg/L	163.08 NTU	-156.4 mV	151.79 cm	200.00 ml/min
12/1/2021 4:05 PM	16:10	9.12 pH	9.91 °C	884.41 µS/cm	2.61 mg/L	162.86 NTU	-161.3 mV	151.79 cm	200.00 ml/min
12/1/2021 4:07 PM	17:47	9.18 pH	9.92 °C	884.39 µS/cm	2.51 mg/L	163.36 NTU	-163.8 mV	151.79 cm	200.00 ml/min
12/1/2021 4:09 PM	19:24	9.22 pH	9.92 °C	884.37 µS/cm	2.42 mg/L	163.55 NTU	-164.5 mV	151.79 cm	200.00 ml/min

Low-Flow Test Report:

Test Date / Time: 12/1/2021 4:26:40 PM

Project: OEI MW-12D

Operator Name: LRC

Location Name: MW-12D Casing Type: Stainless Steel Screen Length: 10 ft Top of Screen: 15.19 ft Total Depth: 25.19 ft Initial Depth to Water: 3.99 ft	Pump Type: Geo Tubing Type: Poly Tubing Inner Diameter: 0.177 in Tubing Length: 20 ft Pump Intake From TOC: 1 ft Estimated Total Volume Pumped: 4986.667 ml Flow Cell Volume: 130 ml Final Flow Rate: 200 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 500 Serial Number: 634432
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Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 3 %	+/- 0.3	+/- 10	+/- 10	+/- 5	
12/1/2021 4:26 PM	00:00	8.71 pH	9.35 °C	1,361.8 µS/cm	2.39 mg/L	159.42 NTU	-110.0 mV	121.62 cm	200.00 ml/min
12/1/2021 4:27 PM	01:08	8.54 pH	9.34 °C	1,408.1 µS/cm	2.25 mg/L	160.21 NTU	-97.5 mV	121.62 cm	200.00 ml/min
12/1/2021 4:28 PM	02:16	8.41 pH	9.36 °C	1,431.0 µS/cm	2.11 mg/L	163.82 NTU	-88.0 mV	121.62 cm	200.00 ml/min
12/1/2021 4:30 PM	03:24	8.30 pH	9.36 °C	1,440.2 µS/cm	1.98 mg/L	162.47 NTU	-81.3 mV	121.62 cm	200.00 ml/min
12/1/2021 4:31 PM	04:32	8.22 pH	9.34 °C	1,445.4 µS/cm	1.85 mg/L	134.32 NTU	-76.7 mV	121.62 cm	200.00 ml/min
12/1/2021 4:32 PM	05:40	8.16 pH	9.35 °C	1,451.4 µS/cm	1.73 mg/L	148.64 NTU	-73.4 mV	121.62 cm	200.00 ml/min
12/1/2021 4:33 PM	06:48	8.10 pH	9.34 °C	1,425.8 µS/cm	1.62 mg/L	58.34 NTU	-71.3 mV	121.62 cm	200.00 ml/min
12/1/2021 4:34 PM	07:56	8.06 pH	9.37 °C	1,439.1 µS/cm	1.53 mg/L	143.11 NTU	-69.5 mV	121.62 cm	200.00 ml/min
12/1/2021 4:35 PM	09:04	8.02 pH	9.37 °C	1,450.9 µS/cm	1.45 mg/L	148.24 NTU	-68.0 mV	121.62 cm	200.00 ml/min
12/1/2021 4:36 PM	10:12	7.98 pH	9.37 °C	1,450.6 µS/cm	1.37 mg/L	99.97 NTU	-67.1 mV	121.62 cm	200.00 ml/min
12/1/2021 4:38 PM	11:20	7.95 pH	9.39 °C	1,459.0 µS/cm	1.30 mg/L	140.16 NTU	-66.5 mV	121.62 cm	200.00 ml/min
12/1/2021 4:39 PM	12:28	7.92 pH	9.40 °C	1,463.6 µS/cm	1.23 mg/L	138.29 NTU	-65.9 mV	121.62 cm	200.00 ml/min
12/1/2021 4:40 PM	13:36	7.90 pH	9.42 °C	1,459.1 µS/cm	1.16 mg/L	89.68 NTU	-65.5 mV	121.62 cm	200.00 ml/min
12/1/2021 4:41 PM	14:44	7.88 pH	9.42 °C	1,457.3 µS/cm	1.10 mg/L	124.64 NTU	-65.3 mV	121.62 cm	200.00 ml/min

12/1/2021 4:42 PM	15:52	7.86 pH	9.44 °C	1,461.7 µS/cm	1.05 mg/L	142.77 NTU	-65.0 mV	121.62 cm	200.00 ml/min
12/1/2021 4:43 PM	17:00	7.84 pH	9.46 °C	1,461.7 µS/cm	1.00 mg/L	156.82 NTU	-64.9 mV	121.62 cm	200.00 ml/min
12/1/2021 4:44 PM	18:08	7.83 pH	9.46 °C	1,462.3 µS/cm	0.95 mg/L	162.16 NTU	-64.7 mV	121.62 cm	200.00 ml/min
12/1/2021 4:45 PM	19:16	7.81 pH	9.45 °C	1,459.7 µS/cm	0.91 mg/L	54.83 NTU	-64.6 mV	121.62 cm	200.00 ml/min
12/1/2021 4:47 PM	20:24	7.80 pH	9.46 °C	1,446.3 µS/cm	0.87 mg/L	129.46 NTU	-65.0 mV	121.62 cm	200.00 ml/min
12/1/2021 4:48 PM	21:32	7.79 pH	9.47 °C	1,437.5 µS/cm	0.83 mg/L	151.07 NTU	-65.1 mV	121.62 cm	200.00 ml/min
12/1/2021 4:49 PM	22:40	7.78 pH	9.45 °C	1,444.0 µS/cm	0.80 mg/L	159.46 NTU	-65.0 mV	121.62 cm	200.00 ml/min
12/1/2021 4:50 PM	23:48	7.77 pH	9.44 °C	1,452.1 µS/cm	0.77 mg/L	162.93 NTU	-64.9 mV	121.62 cm	200.00 ml/min
12/1/2021 4:51 PM	24:56	7.76 pH	9.45 °C	1,460.2 µS/cm	0.74 mg/L	164.09 NTU	-65.0 mV	121.62 cm	200.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 12/1/2021 5:10:19 PM

Project: OECl MW-12S

Operator Name: LRC

Location Name: MW-12S Well Diameter: 2 in Casing Type: Stainless Steel Screen Length: 10 ft Top of Screen: 4.78 ft Total Depth: 14.78 ft Initial Depth to Water: 5.01 ft	Pump Type: Geo Tubing Type: Poly Tubing Inner Diameter: 0.117 in Tubing Length: 10 ft Pump Intake From TOC: 1 ft Estimated Total Volume Pumped: 1350 ml Flow Cell Volume: 130 ml Final Flow Rate: 150 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 500 Serial Number: 634432
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Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 3 %	+/- 0.3	+/- 10	+/- 10	+/- 5	
12/1/2021 5:10 PM	00:00	8.02 pH	9.13 °C	1,001.0 µS/cm	3.63 mg/L	123.96 NTU	-36.7 mV	152.70 cm	150.00 ml/min
12/1/2021 5:11 PM	01:00	7.99 pH	9.20 °C	996.78 µS/cm	3.31 mg/L	134.63 NTU	-40.0 mV	152.70 cm	150.00 ml/min
12/1/2021 5:12 PM	02:00	7.97 pH	9.29 °C	995.16 µS/cm	3.02 mg/L	161.33 NTU	-42.6 mV	152.70 cm	150.00 ml/min
12/1/2021 5:13 PM	03:00	7.95 pH	9.29 °C	993.80 µS/cm	2.75 mg/L	161.08 NTU	-44.8 mV	152.70 cm	150.00 ml/min
12/1/2021 5:14 PM	04:00	7.93 pH	9.35 °C	993.00 µS/cm	2.52 mg/L	156.21 NTU	-46.9 mV	152.70 cm	150.00 ml/min
12/1/2021 5:15 PM	05:00	7.92 pH	9.37 °C	992.77 µS/cm	2.30 mg/L	160.61 NTU	-49.0 mV	152.70 cm	150.00 ml/min
12/1/2021 5:16 PM	06:00	7.90 pH	9.42 °C	991.96 µS/cm	2.11 mg/L	162.61 NTU	-51.2 mV	152.70 cm	150.00 ml/min
12/1/2021 5:17 PM	07:00	7.88 pH	9.47 °C	991.82 µS/cm	1.93 mg/L	165.67 NTU	-53.1 mV	152.70 cm	150.00 ml/min
12/1/2021 5:18 PM	08:00	7.87 pH	9.45 °C	990.49 µS/cm	1.78 mg/L	164.52 NTU	-54.9 mV	152.70 cm	150.00 ml/min
12/1/2021 5:19 PM	09:00	7.85 pH	9.50 °C	974.09 µS/cm	1.65 mg/L	162.68 NTU	-56.3 mV	152.70 cm	150.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 12/2/2021 7:43:43 AM

Project: OECl MW-105S

Operator Name: Lrc

Location Name: MW-105S Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 5.69 ft Total Depth: 15.69 ft Initial Depth to Water: 5.19 ft	Pump Type: Geo Tubing Type: Poly Tubing Inner Diameter: 0.117 in Tubing Length: 10 ft Pump Intake From TOC: 1 ft Estimated Total Volume Pumped: 3300 ml Flow Cell Volume: 130 ml Final Flow Rate: 120 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 500 Serial Number: 634432
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Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 3 %	+/- 0.3	+/- 10	+/- 10	+/- 5	
12/2/2021 7:43 AM	00:00	8.06 pH	11.00 °C	3,373.0 µS/cm	8.77 mg/L	120.60 NTU	25.5 mV	158.19 cm	120.00 ml/min
12/2/2021 7:44 AM	01:15	7.94 pH	10.62 °C	3,414.6 µS/cm	7.83 mg/L	104.58 NTU	33.5 mV	158.19 cm	120.00 ml/min
12/2/2021 7:46 AM	02:30	7.85 pH	10.41 °C	3,478.6 µS/cm	7.02 mg/L	119.32 NTU	39.7 mV	158.19 cm	120.00 ml/min
12/2/2021 7:47 AM	03:45	7.79 pH	10.29 °C	3,460.2 µS/cm	6.28 mg/L	123.15 NTU	44.2 mV	158.19 cm	120.00 ml/min
12/2/2021 7:48 AM	05:00	7.74 pH	10.25 °C	3,456.5 µS/cm	5.63 mg/L	94.94 NTU	47.1 mV	158.19 cm	120.00 ml/min
12/2/2021 7:49 AM	06:15	7.71 pH	10.05 °C	3,457.8 µS/cm	5.08 mg/L	98.19 NTU	49.2 mV	158.19 cm	120.00 ml/min
12/2/2021 7:51 AM	07:30	7.68 pH	10.04 °C	3,455.8 µS/cm	4.59 mg/L	125.31 NTU	50.5 mV	158.19 cm	120.00 ml/min
12/2/2021 7:52 AM	08:45	7.65 pH	10.22 °C	3,437.0 µS/cm	4.16 mg/L	138.88 NTU	51.2 mV	158.19 cm	120.00 ml/min
12/2/2021 7:53 AM	10:00	7.63 pH	10.20 °C	3,450.7 µS/cm	3.79 mg/L	147.82 NTU	51.4 mV	158.19 cm	120.00 ml/min
12/2/2021 7:54 AM	11:15	7.60 pH	10.32 °C	3,433.9 µS/cm	3.48 mg/L	142.61 NTU	51.1 mV	158.19 cm	120.00 ml/min
12/2/2021 7:56 AM	12:30	7.58 pH	10.39 °C	3,440.4 µS/cm	3.20 mg/L	147.02 NTU	50.2 mV	158.19 cm	120.00 ml/min
12/2/2021 7:57 AM	13:45	7.57 pH	10.37 °C	3,422.9 µS/cm	2.95 mg/L	158.28 NTU	48.8 mV	158.19 cm	120.00 ml/min
12/2/2021 7:58 AM	15:00	7.56 pH	10.39 °C	3,419.9 µS/cm	2.74 mg/L	154.91 NTU	47.3 mV	158.19 cm	120.00 ml/min
12/2/2021 7:59 AM	16:15	7.54 pH	10.39 °C	3,404.1 µS/cm	2.55 mg/L	149.73 NTU	45.3 mV	158.19 cm	120.00 ml/min

12/2/2021 8:01 AM	17:30	7.54 pH	10.28 °C	3,377.2 µS/cm	2.38 mg/L	160.81 NTU	43.1 mV	158.19 cm	120.00 ml/min
12/2/2021 8:02 AM	18:45	7.52 pH	10.28 °C	3,407.8 µS/cm	2.23 mg/L	182.87 NTU	40.9 mV	158.19 cm	120.00 ml/min
12/2/2021 8:03 AM	20:00	7.51 pH	10.34 °C	3,394.6 µS/cm	2.09 mg/L	193.69 NTU	38.6 mV	158.19 cm	120.00 ml/min
12/2/2021 8:04 AM	21:15	7.51 pH	10.35 °C	3,375.1 µS/cm	1.97 mg/L	171.13 NTU	36.1 mV	158.19 cm	120.00 ml/min
12/2/2021 8:06 AM	22:30	7.50 pH	10.31 °C	3,389.1 µS/cm	1.86 mg/L	186.80 NTU	33.6 mV	158.19 cm	120.00 ml/min
12/2/2021 8:07 AM	23:45	7.49 pH	10.23 °C	3,374.4 µS/cm	1.76 mg/L	182.89 NTU	31.3 mV	158.19 cm	120.00 ml/min
12/2/2021 8:08 AM	25:00	7.49 pH	10.21 °C	3,382.1 µS/cm	1.67 mg/L	202.25 NTU	28.8 mV	158.19 cm	120.00 ml/min
12/2/2021 8:09 AM	26:15	7.48 pH	10.27 °C	3,363.6 µS/cm	1.59 mg/L	198.20 NTU	26.5 mV	158.19 cm	120.00 ml/min
12/2/2021 8:11 AM	27:30	7.47 pH	10.18 °C	3,367.4 µS/cm	1.51 mg/L	206.71 NTU	24.3 mV	158.19 cm	120.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 12/2/2021 8:36:47 AM

Project: OEI MW-3D

Operator Name: LRC

Location Name: MW-3D Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 40.59 ft Total Depth: 50.59 ft Initial Depth to Water: 7.14 ft	Pump Type: Geo Tubing Type: Poly Tubing Inner Diameter: 0.117 in Tubing Length: 45 ft Pump Intake From TOC: 1 ft Estimated Total Volume Pumped: 4020 ml Flow Cell Volume: 130 ml Final Flow Rate: 200 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 500 Serial Number: 634432
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Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 3 %	+/- 0.3	+/- 10	+/- 10	+/- 5	
12/2/2021 8:36 AM	00:00	8.39 pH	9.99 °C	1,135.5 µS/cm	9.34 mg/L	217.10 NTU	26.4 mV	217.63 cm	200.00 ml/min
12/2/2021 8:37 AM	01:07	8.14 pH	10.42 °C	1,110.1 µS/cm	8.49 mg/L	307.92 NTU	32.7 mV	217.63 cm	200.00 ml/min
12/2/2021 8:39 AM	02:14	8.03 pH	10.53 °C	1,099.7 µS/cm	7.69 mg/L	340.56 NTU	35.2 mV	217.63 cm	200.00 ml/min
12/2/2021 8:40 AM	03:21	7.95 pH	10.62 °C	1,095.5 µS/cm	6.95 mg/L	335.47 NTU	34.5 mV	217.63 cm	200.00 ml/min
12/2/2021 8:41 AM	04:28	7.90 pH	10.57 °C	1,092.9 µS/cm	6.28 mg/L	316.10 NTU	32.7 mV	217.63 cm	200.00 ml/min
12/2/2021 8:42 AM	05:35	7.86 pH	10.60 °C	1,092.8 µS/cm	5.66 mg/L	310.94 NTU	30.3 mV	217.63 cm	200.00 ml/min
12/2/2021 8:43 AM	06:42	7.83 pH	10.64 °C	1,091.0 µS/cm	5.09 mg/L	302.93 NTU	27.9 mV	217.63 cm	200.00 ml/min
12/2/2021 8:44 AM	07:49	7.81 pH	10.73 °C	1,090.0 µS/cm	4.60 mg/L	295.94 NTU	25.3 mV	217.63 cm	200.00 ml/min
12/2/2021 8:45 AM	08:56	7.79 pH	10.69 °C	1,089.2 µS/cm	4.19 mg/L	289.72 NTU	22.9 mV	217.63 cm	200.00 ml/min
12/2/2021 8:46 AM	10:03	7.77 pH	10.73 °C	1,089.4 µS/cm	3.82 mg/L	286.56 NTU	20.7 mV	217.63 cm	200.00 ml/min
12/2/2021 8:47 AM	11:10	7.76 pH	10.76 °C	1,089.0 µS/cm	3.49 mg/L	283.38 NTU	18.4 mV	217.63 cm	200.00 ml/min
12/2/2021 8:49 AM	12:17	7.75 pH	10.76 °C	1,087.6 µS/cm	3.20 mg/L	280.76 NTU	16.3 mV	217.63 cm	200.00 ml/min
12/2/2021 8:50 AM	13:24	7.74 pH	10.76 °C	1,087.6 µS/cm	2.94 mg/L	278.12 NTU	14.3 mV	217.63 cm	200.00 ml/min
12/2/2021 8:51 AM	14:31	7.73 pH	10.80 °C	1,088.3 µS/cm	2.72 mg/L	277.92 NTU	12.2 mV	217.63 cm	200.00 ml/min

12/2/2021 8:52 AM	15:38	7.72 pH	10.79 °C	1,087.8 µS/cm	2.52 mg/L	275.77 NTU	10.4 mV	217.63 cm	200.00 ml/min
12/2/2021 8:53 AM	16:45	7.71 pH	10.80 °C	1,087.7 µS/cm	2.34 mg/L	274.25 NTU	8.7 mV	217.63 cm	200.00 ml/min
12/2/2021 8:54 AM	17:52	7.71 pH	10.76 °C	1,089.6 µS/cm	2.18 mg/L	272.59 NTU	6.9 mV	217.63 cm	200.00 ml/min
12/2/2021 8:55 AM	18:59	7.70 pH	10.78 °C	1,089.0 µS/cm	2.04 mg/L	270.57 NTU	5.1 mV	217.63 cm	200.00 ml/min
12/2/2021 8:56 AM	20:06	7.69 pH	10.83 °C	1,090.5 µS/cm	1.91 mg/L	269.84 NTU	3.4 mV	217.63 cm	200.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 12/2/2021 9:20:13 AM

Project: OECl MW-4S

Operator Name: Lrc

<p>Location Name: MW-4S Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 8.08 ft Total Depth: 18.08 ft Initial Depth to Water: 9.22 ft</p>	<p>Pump Type: Geo Tubing Type: Poly Tubing Inner Diameter: 0.117 in Tubing Length: 15 ft Pump Intake From TOC: 1 ft Estimated Total Volume Pumped: 1763.667 ml Flow Cell Volume: 130 ml Final Flow Rate: 130 ml/min Final Draw Down: 0 ft</p>	<p>Instrument Used: Aqua TROLL 500 Serial Number: 634432</p>
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Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 3 %	+/- 0.3	+/- 10	+/- 10	+/- 5	
12/2/2021 9:20 AM	00:00	7.43 pH	12.62 °C	2,273.2 µS/cm	5.47 mg/L	295.41 NTU	44.2 mV	281.03 cm	130.00 ml/min
12/2/2021 9:21 AM	01:14	7.41 pH	12.72 °C	2,274.7 µS/cm	5.01 mg/L	289.27 NTU	40.7 mV	281.03 cm	130.00 ml/min
12/2/2021 9:22 AM	02:28	7.39 pH	12.79 °C	2,272.7 µS/cm	4.58 mg/L	282.63 NTU	38.6 mV	281.03 cm	130.00 ml/min
12/2/2021 9:23 AM	03:42	7.37 pH	12.92 °C	2,275.3 µS/cm	4.24 mg/L	276.16 NTU	37.3 mV	281.03 cm	130.00 ml/min
12/2/2021 9:25 AM	04:56	7.36 pH	12.92 °C	2,274.3 µS/cm	3.91 mg/L	274.38 NTU	36.6 mV	281.03 cm	130.00 ml/min
12/2/2021 9:26 AM	06:10	7.35 pH	12.85 °C	2,274.3 µS/cm	3.63 mg/L	271.18 NTU	36.3 mV	281.03 cm	130.00 ml/min
12/2/2021 9:27 AM	07:24	7.34 pH	12.85 °C	2,273.9 µS/cm	3.38 mg/L	268.26 NTU	36.1 mV	281.03 cm	130.00 ml/min
12/2/2021 9:28 AM	08:38	7.34 pH	12.74 °C	2,271.8 µS/cm	3.17 mg/L	265.98 NTU	36.4 mV	281.03 cm	130.00 ml/min
12/2/2021 9:30 AM	09:52	7.33 pH	12.81 °C	2,276.4 µS/cm	2.98 mg/L	266.01 NTU	36.6 mV	281.03 cm	130.00 ml/min
12/2/2021 9:31 AM	11:06	7.33 pH	12.70 °C	2,274.6 µS/cm	2.80 mg/L	263.74 NTU	36.7 mV	281.03 cm	130.00 ml/min
12/2/2021 9:32 AM	12:20	7.32 pH	12.77 °C	2,273.4 µS/cm	2.65 mg/L	262.45 NTU	36.8 mV	281.03 cm	130.00 ml/min
12/2/2021 9:33 AM	13:34	7.32 pH	12.76 °C	2,276.4 µS/cm	2.52 mg/L	261.64 NTU	37.2 mV	281.03 cm	130.00 ml/min

Samples

Low-Flow Test Report:

Test Date / Time: 12/2/2021 9:56:29 AM

Project: OEI MW-14DR

Operator Name: LRC

Location Name: MW-14DR Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 21.82 ft Total Depth: 31.82 ft Initial Depth to Water: 6.16 ft	Pump Type: Geo Tubing Type: Poly Tubing Inner Diameter: 0.117 in Tubing Length: 25 ft Pump Intake From TOC: 1 ft Estimated Total Volume Pumped: 2555 ml Flow Cell Volume: 130 ml Final Flow Rate: 150 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 500 Serial Number: 634432
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Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 3 %	+/- 0.3	+/- 10	+/- 10	+/- 5	
12/2/2021 9:56 AM	00:00	7.95 pH	12.07 °C	1,025.7 µS/cm	8.05 mg/L	250.27 NTU	72.8 mV	187.76 cm	150.00 ml/min
12/2/2021 9:57 AM	01:13	7.85 pH	11.92 °C	1,015.7 µS/cm	7.09 mg/L	254.45 NTU	75.8 mV	187.76 cm	150.00 ml/min
12/2/2021 9:58 AM	02:26	7.80 pH	11.79 °C	1,012.1 µS/cm	6.28 mg/L	246.21 NTU	75.1 mV	187.76 cm	150.00 ml/min
12/2/2021 10:00 AM	03:39	7.76 pH	11.91 °C	1,008.6 µS/cm	5.59 mg/L	242.50 NTU	73.1 mV	187.76 cm	150.00 ml/min
12/2/2021 10:01 AM	04:52	7.73 pH	12.02 °C	1,005.8 µS/cm	4.95 mg/L	240.48 NTU	70.8 mV	187.76 cm	150.00 ml/min
12/2/2021 10:02 AM	06:05	7.71 pH	12.05 °C	1,005.0 µS/cm	4.41 mg/L	236.44 NTU	68.5 mV	187.76 cm	150.00 ml/min
12/2/2021 10:03 AM	07:18	7.70 pH	12.08 °C	1,004.6 µS/cm	3.93 mg/L	231.84 NTU	66.2 mV	187.76 cm	150.00 ml/min
12/2/2021 10:05 AM	08:31	7.68 pH	12.08 °C	1,003.2 µS/cm	3.54 mg/L	230.92 NTU	64.0 mV	187.76 cm	150.00 ml/min
12/2/2021 10:06 AM	09:44	7.67 pH	12.08 °C	1,002.3 µS/cm	3.20 mg/L	228.08 NTU	62.0 mV	187.76 cm	150.00 ml/min
12/2/2021 10:07 AM	10:57	7.66 pH	12.10 °C	999.45 µS/cm	2.91 mg/L	225.61 NTU	60.2 mV	187.76 cm	150.00 ml/min
12/2/2021 10:08 AM	12:10	7.66 pH	12.10 °C	998.91 µS/cm	2.65 mg/L	222.06 NTU	58.1 mV	187.76 cm	150.00 ml/min
12/2/2021 10:09 AM	13:23	7.65 pH	12.14 °C	996.61 µS/cm	2.44 mg/L	219.33 NTU	56.4 mV	187.76 cm	150.00 ml/min
12/2/2021 10:11 AM	14:36	7.65 pH	12.13 °C	995.31 µS/cm	2.23 mg/L	215.21 NTU	54.5 mV	187.76 cm	150.00 ml/min
12/2/2021 10:12 AM	15:49	7.64 pH	12.16 °C	994.05 µS/cm	2.07 mg/L	212.19 NTU	52.8 mV	187.76 cm	150.00 ml/min

12/2/2021 10:13 AM	17:02	7.64 pH	12.14 °C	991.32 µS/cm	1.94 mg/L	210.38 NTU	50.8 mV	187.76 cm	150.00 ml/min
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Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 12/2/2021 10:42:14 AM

Project: OEI MW-101S

Operator Name: Lrc

Location Name: MW-101S Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 2.51 ft Total Depth: 12.51 ft Initial Depth to Water: 6.01 ft	Pump Type: Geo Tubing Type: Poly Tubing Inner Diameter: 0.117 in Tubing Length: 10 ft Pump Intake From TOC: 1 ft Estimated Total Volume Pumped: 1916 ml Flow Cell Volume: 130 ml Final Flow Rate: 120 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 500 Serial Number: 634432
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Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 3 %	+/- 0.3	+/- 10	+/- 10	+/- 5	
12/2/2021 10:42 AM	00:00	7.96 pH	11.85 °C	0.66 µS/cm	7.57 mg/L	145.13 NTU	87.3 mV	183.18 cm	120.00 ml/min
12/2/2021 10:43 AM	01:15	7.84 pH	11.92 °C	1,346.2 µS/cm	7.63 mg/L	200.75 NTU	90.7 mV	183.18 cm	120.00 ml/min
12/2/2021 10:44 AM	02:30	7.56 pH	12.20 °C	1,537.7 µS/cm	6.89 mg/L	161.52 NTU	99.6 mV	183.18 cm	120.00 ml/min
12/2/2021 10:45 AM	03:45	7.53 pH	12.46 °C	1,594.8 µS/cm	6.24 mg/L	173.07 NTU	96.9 mV	183.18 cm	120.00 ml/min
12/2/2021 10:47 AM	05:00	7.51 pH	12.55 °C	1,608.5 µS/cm	5.69 mg/L	172.95 NTU	94.4 mV	183.18 cm	120.00 ml/min
12/2/2021 10:48 AM	06:15	7.50 pH	12.61 °C	1,624.6 µS/cm	5.21 mg/L	172.64 NTU	91.9 mV	183.18 cm	120.00 ml/min
12/2/2021 10:49 AM	07:30	7.50 pH	12.64 °C	1,631.6 µS/cm	4.78 mg/L	176.18 NTU	89.6 mV	183.18 cm	120.00 ml/min
12/2/2021 10:50 AM	08:45	7.50 pH	12.69 °C	1,634.9 µS/cm	4.43 mg/L	176.31 NTU	87.6 mV	183.18 cm	120.00 ml/min
12/2/2021 10:52 AM	10:00	7.49 pH	12.73 °C	1,638.2 µS/cm	4.13 mg/L	173.78 NTU	85.8 mV	183.18 cm	120.00 ml/min
12/2/2021 10:53 AM	11:15	7.49 pH	12.70 °C	1,638.9 µS/cm	3.86 mg/L	171.62 NTU	84.1 mV	183.18 cm	120.00 ml/min
12/2/2021 10:54 AM	12:30	7.49 pH	12.77 °C	1,646.2 µS/cm	3.65 mg/L	169.56 NTU	82.6 mV	183.18 cm	120.00 ml/min
12/2/2021 10:55 AM	13:45	7.49 pH	12.73 °C	1,650.9 µS/cm	3.45 mg/L	165.33 NTU	81.4 mV	183.18 cm	120.00 ml/min
12/2/2021 10:57 AM	15:00	7.49 pH	12.69 °C	1,652.3 µS/cm	3.28 mg/L	167.02 NTU	80.4 mV	183.18 cm	120.00 ml/min
12/2/2021 10:58 AM	15:58	7.47 pH	12.77 °C	1,658.0 µS/cm	3.17 mg/L	167.44 NTU	79.6 mV	183.18 cm	120.00 ml/min

Low-Flow Test Report:

Test Date / Time: 12/2/2021 11:21:36 AM

Project: OEI MW-101B

Operator Name: Lrc

Location Name: MW-101B Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 38.74 ft Total Depth: 48.74 ft Initial Depth to Water: 6.11 ft	Pump Type: Geo Tubing Type: Poly Tubing Inner Diameter: 0.117 in Tubing Length: 40 ft Pump Intake From TOC: 1 ft Estimated Total Volume Pumped: 2346.667 ml Flow Cell Volume: 130 ml Final Flow Rate: 200 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 500 Serial Number: 634432
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Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 3 %	+/- 0.3	+/- 10	+/- 10	+/- 5	
12/2/2021 11:21 AM	00:00	7.84 pH	11.78 °C	1,010.4 µS/cm	4.81 mg/L	176.66 NTU	81.7 mV	186.23 cm	200.00 ml/min
12/2/2021 11:22 AM	01:04	7.81 pH	11.80 °C	1,010.3 µS/cm	4.36 mg/L	176.33 NTU	82.3 mV	186.23 cm	200.00 ml/min
12/2/2021 11:23 AM	02:08	7.78 pH	11.81 °C	1,009.3 µS/cm	3.95 mg/L	173.23 NTU	82.0 mV	186.23 cm	200.00 ml/min
12/2/2021 11:24 AM	03:12	7.76 pH	11.87 °C	1,005.1 µS/cm	3.57 mg/L	174.50 NTU	81.4 mV	186.23 cm	200.00 ml/min
12/2/2021 11:25 AM	04:16	7.74 pH	11.87 °C	1,001.5 µS/cm	3.24 mg/L	175.08 NTU	80.7 mV	186.23 cm	200.00 ml/min
12/2/2021 11:26 AM	05:20	7.73 pH	11.89 °C	1,000.3 µS/cm	2.94 mg/L	174.52 NTU	80.0 mV	186.23 cm	200.00 ml/min
12/2/2021 11:28 AM	06:24	7.72 pH	11.83 °C	999.65 µS/cm	2.68 mg/L	174.24 NTU	79.1 mV	186.23 cm	200.00 ml/min
12/2/2021 11:29 AM	07:28	7.70 pH	11.82 °C	998.52 µS/cm	2.46 mg/L	173.78 NTU	78.3 mV	186.23 cm	200.00 ml/min
12/2/2021 11:30 AM	08:32	7.70 pH	11.80 °C	996.60 µS/cm	2.27 mg/L	173.57 NTU	77.4 mV	186.23 cm	200.00 ml/min
12/2/2021 11:31 AM	09:36	7.69 pH	11.80 °C	994.73 µS/cm	2.09 mg/L	173.02 NTU	76.7 mV	186.23 cm	200.00 ml/min
12/2/2021 11:32 AM	10:40	7.68 pH	11.80 °C	991.67 µS/cm	1.94 mg/L	172.93 NTU	75.9 mV	186.23 cm	200.00 ml/min
12/2/2021 11:33 AM	11:44	7.67 pH	11.83 °C	986.38 µS/cm	1.80 mg/L	164.10 NTU	75.2 mV	186.23 cm	200.00 ml/min

Samples

Low-Flow Test Report:

Test Date / Time: 12/2/2021 12:04:40 PM

Project: OECI TW-2021

Operator Name: Lrc

<p>Location Name: TW-2021 Well Diameter: 1 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 12.39 ft Total Depth: 22.39 ft Initial Depth to Water: 7.92 ft</p>	<p>Pump Type: Geo Tubing Type: Poly Tubing Inner Diameter: 0.117 in Tubing Length: 15 ft Pump Intake From TOC: 1 ft Estimated Total Volume Pumped: 2425 ml Flow Cell Volume: 130 ml Final Flow Rate: 100 ml/min Final Draw Down: 0 ft</p>	<p>Instrument Used: Aqua TROLL 500 Serial Number: 634432</p>
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Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 3 %	+/- 0.3	+/- 10	+/- 10	+/- 5	
12/2/2021 12:04 PM	00:00	7.81 pH	11.64 °C	994.99 µS/cm	7.52 mg/L	117.62 NTU	111.0 mV	241.40 cm	100.00 ml/min
12/2/2021 12:06 PM	01:37	7.78 pH	11.78 °C	1,007.7 µS/cm	6.62 mg/L	132.69 NTU	111.2 mV	241.40 cm	100.00 ml/min
12/2/2021 12:07 PM	03:14	7.75 pH	11.81 °C	1,014.1 µS/cm	5.83 mg/L	139.53 NTU	110.5 mV	241.40 cm	100.00 ml/min
12/2/2021 12:09 PM	04:51	7.72 pH	11.86 °C	1,020.1 µS/cm	5.16 mg/L	147.02 NTU	109.4 mV	241.40 cm	100.00 ml/min
12/2/2021 12:11 PM	06:28	7.70 pH	11.83 °C	1,021.0 µS/cm	4.56 mg/L	148.58 NTU	108.0 mV	241.40 cm	100.00 ml/min
12/2/2021 12:12 PM	08:05	7.69 pH	11.85 °C	1,021.1 µS/cm	4.04 mg/L	148.55 NTU	106.5 mV	241.40 cm	100.00 ml/min
12/2/2021 12:14 PM	09:42	7.68 pH	11.81 °C	1,021.7 µS/cm	3.60 mg/L	148.26 NTU	104.7 mV	241.40 cm	100.00 ml/min
12/2/2021 12:15 PM	11:19	7.67 pH	11.85 °C	1,020.4 µS/cm	3.23 mg/L	148.09 NTU	102.8 mV	241.40 cm	100.00 ml/min
12/2/2021 12:17 PM	12:56	7.66 pH	11.87 °C	1,019.9 µS/cm	2.90 mg/L	146.43 NTU	100.8 mV	241.40 cm	100.00 ml/min
12/2/2021 12:19 PM	14:33	7.66 pH	11.78 °C	1,018.9 µS/cm	2.61 mg/L	149.42 NTU	98.7 mV	241.40 cm	100.00 ml/min
12/2/2021 12:20 PM	16:10	7.65 pH	11.87 °C	1,019.5 µS/cm	2.37 mg/L	152.37 NTU	96.4 mV	241.40 cm	100.00 ml/min
12/2/2021 12:22 PM	17:47	7.65 pH	11.89 °C	1,019.6 µS/cm	2.15 mg/L	153.73 NTU	93.8 mV	241.40 cm	100.00 ml/min
12/2/2021 12:24 PM	19:24	7.64 pH	11.87 °C	1,019.1 µS/cm	1.97 mg/L	156.09 NTU	91.0 mV	241.40 cm	100.00 ml/min
12/2/2021 12:25 PM	21:01	7.64 pH	11.91 °C	1,020.0 µS/cm	1.80 mg/L	157.51 NTU	88.1 mV	241.40 cm	100.00 ml/min

12/2/2021 12:27 PM	22:38	7.64 pH	11.90 °C	1,018.7 μS/cm	1.65 mg/L	156.65 NTU	84.8 mV	241.40 cm	100.00 ml/min
12/2/2021 12:28 PM	24:15	7.63 pH	11.97 °C	1,018.5 μS/cm	1.52 mg/L	158.49 NTU	81.4 mV	241.40 cm	100.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 12/2/2021 12:59:13 PM

Project: OECl MW-102S

Operator Name: Lrc

Location Name: MW-102S Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 5.65 ft Total Depth: 15.65 ft Initial Depth to Water: 9.13 ft	Pump Type: Geo Tubing Type: Poly Tubing Inner Diameter: 0.117 in Tubing Length: 10 ft Pump Intake From TOC: 1 ft Estimated Total Volume Pumped: 1500 ml Flow Cell Volume: 130 ml Final Flow Rate: 100 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 500 Serial Number: 634432
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Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 3 %	+/- 0.3	+/- 10	+/- 10	+/- 5	
12/2/2021 12:59 PM	00:00	7.35 pH	12.69 °C	2,938.8 µS/cm	7.95 mg/L	192.84 NTU	100.7 mV	278.28 cm	100.00 ml/min
12/2/2021 1:00 PM	01:30	7.38 pH	12.50 °C	2,824.4 µS/cm	6.93 mg/L	188.83 NTU	93.3 mV	278.28 cm	100.00 ml/min
12/2/2021 1:02 PM	03:00	7.38 pH	12.68 °C	2,728.9 µS/cm	6.10 mg/L	188.90 NTU	87.7 mV	278.28 cm	100.00 ml/min
12/2/2021 1:03 PM	04:30	7.38 pH	12.74 °C	2,649.8 µS/cm	5.45 mg/L	184.12 NTU	83.1 mV	278.28 cm	100.00 ml/min
12/2/2021 1:05 PM	06:00	7.39 pH	12.70 °C	2,603.6 µS/cm	4.93 mg/L	178.50 NTU	79.4 mV	278.28 cm	100.00 ml/min
12/2/2021 1:06 PM	07:30	7.38 pH	12.75 °C	2,557.1 µS/cm	4.53 mg/L	176.53 NTU	76.5 mV	278.28 cm	100.00 ml/min
12/2/2021 1:08 PM	09:00	7.38 pH	12.77 °C	2,534.4 µS/cm	4.20 mg/L	174.45 NTU	74.2 mV	278.28 cm	100.00 ml/min
12/2/2021 1:09 PM	10:30	7.38 pH	12.85 °C	2,499.1 µS/cm	3.93 mg/L	171.95 NTU	72.2 mV	278.28 cm	100.00 ml/min
12/2/2021 1:11 PM	12:00	7.38 pH	12.88 °C	2,490.8 µS/cm	3.73 mg/L	170.96 NTU	70.9 mV	278.28 cm	100.00 ml/min
12/2/2021 1:12 PM	13:30	7.38 pH	12.79 °C	2,470.0 µS/cm	3.56 mg/L	170.42 NTU	70.1 mV	278.28 cm	100.00 ml/min
12/2/2021 1:14 PM	15:00	7.38 pH	12.86 °C	2,471.9 µS/cm	3.43 mg/L	168.94 NTU	69.2 mV	278.28 cm	100.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 12/2/2021 1:31:12 PM

Project: OECl MW-102D

Operator Name: Lrc

<p>Location Name: MW-102D Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 39.03 ft Total Depth: 49.03 ft Initial Depth to Water: 8.21 ft</p>	<p>Pump Type: Geo Tubing Type: Poly Tubing Inner Diameter: 0.117 in Tubing Length: 45 ft Pump Intake From TOC: 1 ft Estimated Total Volume Pumped: 4020 ml Flow Cell Volume: 130 ml Final Flow Rate: 200 ml/min Final Draw Down: 0 ft</p>	<p>Instrument Used: Aqua TROLL 500 Serial Number: 634432</p>
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Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 3 %	+/- 0.3	+/- 10	+/- 10	+/- 5	
12/2/2021 1:31 PM	00:00	7.88 pH	12.14 °C	1,281.5 µS/cm	7.20 mg/L	163.04 NTU	85.4 mV	250.24 cm	200.00 ml/min
12/2/2021 1:32 PM	01:07	7.82 pH	12.26 °C	1,280.1 µS/cm	6.64 mg/L	162.17 NTU	86.1 mV	250.24 cm	200.00 ml/min
12/2/2021 1:33 PM	02:14	7.79 pH	12.32 °C	1,277.7 µS/cm	6.08 mg/L	162.16 NTU	84.9 mV	250.24 cm	200.00 ml/min
12/2/2021 1:34 PM	03:21	7.77 pH	12.31 °C	1,276.0 µS/cm	5.54 mg/L	161.49 NTU	82.6 mV	250.24 cm	200.00 ml/min
12/2/2021 1:35 PM	04:28	7.75 pH	12.30 °C	1,274.0 µS/cm	5.03 mg/L	153.53 NTU	79.2 mV	250.24 cm	200.00 ml/min
12/2/2021 1:36 PM	05:35	7.74 pH	12.28 °C	1,274.1 µS/cm	4.58 mg/L	157.81 NTU	74.8 mV	250.24 cm	200.00 ml/min
12/2/2021 1:37 PM	06:42	7.73 pH	12.17 °C	1,272.2 µS/cm	4.19 mg/L	150.68 NTU	69.2 mV	250.24 cm	200.00 ml/min
12/2/2021 1:39 PM	07:49	7.72 pH	12.20 °C	1,271.6 µS/cm	3.84 mg/L	143.79 NTU	62.1 mV	250.24 cm	200.00 ml/min
12/2/2021 1:40 PM	08:56	7.72 pH	12.12 °C	1,268.1 µS/cm	3.54 mg/L	155.44 NTU	54.0 mV	250.24 cm	200.00 ml/min
12/2/2021 1:41 PM	10:03	7.71 pH	12.12 °C	1,271.5 µS/cm	3.29 mg/L	157.50 NTU	45.0 mV	250.24 cm	200.00 ml/min
12/2/2021 1:42 PM	11:10	7.71 pH	12.15 °C	1,271.9 µS/cm	3.08 mg/L	158.30 NTU	35.7 mV	250.24 cm	200.00 ml/min
12/2/2021 1:43 PM	12:17	7.71 pH	12.13 °C	1,268.2 µS/cm	2.89 mg/L	157.39 NTU	26.5 mV	250.24 cm	200.00 ml/min
12/2/2021 1:44 PM	13:24	7.70 pH	12.12 °C	1,266.7 µS/cm	2.72 mg/L	157.68 NTU	17.6 mV	250.24 cm	200.00 ml/min
12/2/2021 1:45 PM	14:31	7.70 pH	12.21 °C	1,267.8 µS/cm	2.57 mg/L	156.83 NTU	9.3 mV	250.24 cm	200.00 ml/min

12/2/2021 1:46 PM	15:38	7.70 pH	12.21 °C	1,268.1 μS/cm	2.44 mg/L	158.40 NTU	2.0 mV	250.24 cm	200.00 ml/min
12/2/2021 1:47 PM	16:45	7.69 pH	12.19 °C	1,268.4 μS/cm	2.33 mg/L	157.37 NTU	-4.5 mV	250.24 cm	200.00 ml/min
12/2/2021 1:49 PM	17:52	7.69 pH	12.23 °C	1,266.0 μS/cm	2.23 mg/L	157.91 NTU	-10.3 mV	250.24 cm	200.00 ml/min
12/2/2021 1:50 PM	18:59	7.69 pH	12.20 °C	1,265.2 μS/cm	2.14 mg/L	157.68 NTU	-15.4 mV	250.24 cm	200.00 ml/min
12/2/2021 1:51 PM	20:06	7.69 pH	12.19 °C	1,263.3 μS/cm	2.07 mg/L	157.35 NTU	-19.9 mV	250.24 cm	200.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 12/2/2021 2:11:44 PM

Project: OEI MW-15D

Operator Name: LRC

Location Name: MW-15D Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 29.32 ft Total Depth: 39.32 ft Initial Depth to Water: 10.94 ft	Pump Type: Geo Tubing Type: Poly Tubing Inner Diameter: 0.117 in Tubing Length: 35 ft Pump Intake From TOC: 1 ft Estimated Total Volume Pumped: 2846.667 ml Flow Cell Volume: 130 ml Final Flow Rate: 200 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 500 Serial Number: 634432
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Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 3 %	+/- 0.3	+/- 10	+/- 10	+/- 5	
12/2/2021 2:11 PM	00:00	7.96 pH	12.08 °C	880.69 µS/cm	6.52 mg/L	145.50 NTU	-3.8 mV	333.45 cm	200.00 ml/min
12/2/2021 2:12 PM	01:01	7.92 pH	12.09 °C	877.03 µS/cm	5.89 mg/L	149.06 NTU	-9.8 mV	333.45 cm	200.00 ml/min
12/2/2021 2:13 PM	02:02	7.89 pH	12.06 °C	873.56 µS/cm	5.32 mg/L	155.02 NTU	-13.9 mV	333.45 cm	200.00 ml/min
12/2/2021 2:14 PM	03:03	7.86 pH	12.04 °C	873.99 µS/cm	4.81 mg/L	157.15 NTU	-16.7 mV	333.45 cm	200.00 ml/min
12/2/2021 2:15 PM	04:04	7.85 pH	12.05 °C	872.94 µS/cm	4.35 mg/L	153.81 NTU	-19.0 mV	333.45 cm	200.00 ml/min
12/2/2021 2:16 PM	05:05	7.83 pH	12.02 °C	874.10 µS/cm	3.94 mg/L	150.93 NTU	-20.9 mV	333.45 cm	200.00 ml/min
12/2/2021 2:17 PM	06:06	7.82 pH	12.03 °C	873.96 µS/cm	3.58 mg/L	152.31 NTU	-22.2 mV	333.45 cm	200.00 ml/min
12/2/2021 2:18 PM	07:07	7.81 pH	12.03 °C	874.72 µS/cm	3.27 mg/L	154.16 NTU	-23.4 mV	333.45 cm	200.00 ml/min
12/2/2021 2:19 PM	08:08	7.80 pH	12.06 °C	874.35 µS/cm	2.98 mg/L	149.64 NTU	-24.2 mV	333.45 cm	200.00 ml/min
12/2/2021 2:20 PM	09:09	7.79 pH	12.00 °C	873.67 µS/cm	2.74 mg/L	154.22 NTU	-24.7 mV	333.45 cm	200.00 ml/min
12/2/2021 2:21 PM	10:10	7.78 pH	12.01 °C	874.36 µS/cm	2.53 mg/L	151.77 NTU	-25.2 mV	333.45 cm	200.00 ml/min
12/2/2021 2:22 PM	11:11	7.78 pH	12.01 °C	874.44 µS/cm	2.34 mg/L	154.14 NTU	-25.6 mV	333.45 cm	200.00 ml/min
12/2/2021 2:23 PM	12:12	7.77 pH	12.00 °C	874.31 µS/cm	2.17 mg/L	152.02 NTU	-25.8 mV	333.45 cm	200.00 ml/min
12/2/2021 2:24 PM	13:13	7.77 pH	12.03 °C	875.61 µS/cm	2.01 mg/L	148.93 NTU	-26.0 mV	333.45 cm	200.00 ml/min

12/2/2021 2:25 PM	14:14	7.76 pH	12.01 °C	874.03 µS/cm	1.87 mg/L	152.14 NTU	-26.1 mV	333.45 cm	200.00 ml/min
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Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 12/2/2021 2:47:09 PM

Project: OECl MW-15S

Operator Name: Lrc

<p>Location Name: MW-15S Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 6.42 ft Total Depth: 16.42 ft Initial Depth to Water: 9.94 ft</p>	<p>Pump Type: Geo Tubing Type: Poly Tubing Inner Diameter: 0.117 in Tubing Length: 10 ft Pump Intake From TOC: 1 ft Estimated Total Volume Pumped: 2400 ml Flow Cell Volume: 130 ml Final Flow Rate: 120 ml/min Final Draw Down: 0 ft</p>	<p>Instrument Used: Aqua TROLL 500 Serial Number: 634432</p>
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Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 3 %	+/- 0.3	+/- 10	+/- 10	+/- 5	
12/2/2021 2:47 PM	00:00	7.84 pH	9.57 °C	1,157.9 µS/cm	4.21 mg/L	167.45 NTU	46.8 mV	302.97 cm	120.00 ml/min
12/2/2021 2:48 PM	01:15	7.84 pH	9.53 °C	1,153.0 µS/cm	4.33 mg/L	167.89 NTU	49.8 mV	302.97 cm	120.00 ml/min
12/2/2021 2:49 PM	02:30	7.85 pH	9.23 °C	1,303.6 µS/cm	4.57 mg/L	164.03 NTU	49.5 mV	302.97 cm	120.00 ml/min
12/2/2021 2:50 PM	03:45	7.70 pH	11.00 °C	1,506.5 µS/cm	4.33 mg/L	163.03 NTU	47.0 mV	302.97 cm	120.00 ml/min
12/2/2021 2:52 PM	05:00	7.66 pH	11.56 °C	1,546.5 µS/cm	3.87 mg/L	178.44 NTU	39.7 mV	302.97 cm	120.00 ml/min
12/2/2021 2:53 PM	06:15	7.65 pH	11.77 °C	1,533.7 µS/cm	3.49 mg/L	190.48 NTU	33.7 mV	302.97 cm	120.00 ml/min
12/2/2021 2:54 PM	07:30	7.65 pH	11.78 °C	1,526.7 µS/cm	3.15 mg/L	189.63 NTU	28.8 mV	302.97 cm	120.00 ml/min
12/2/2021 2:55 PM	08:45	7.64 pH	11.90 °C	1,537.6 µS/cm	2.84 mg/L	195.53 NTU	24.4 mV	302.97 cm	120.00 ml/min
12/2/2021 2:57 PM	10:00	7.63 pH	11.91 °C	1,534.0 µS/cm	2.59 mg/L	193.20 NTU	20.7 mV	302.97 cm	120.00 ml/min
12/2/2021 2:58 PM	11:15	7.63 pH	12.00 °C	1,539.8 µS/cm	2.38 mg/L	191.73 NTU	17.3 mV	302.97 cm	120.00 ml/min
12/2/2021 2:59 PM	12:30	7.63 pH	11.98 °C	1,535.7 µS/cm	2.18 mg/L	192.34 NTU	14.2 mV	302.97 cm	120.00 ml/min
12/2/2021 3:00 PM	13:45	7.64 pH	12.00 °C	1,524.4 µS/cm	2.02 mg/L	191.37 NTU	11.8 mV	302.97 cm	120.00 ml/min
12/2/2021 3:02 PM	15:00	7.64 pH	12.17 °C	1,510.0 µS/cm	1.89 mg/L	164.17 NTU	9.2 mV	302.97 cm	120.00 ml/min
12/2/2021 3:03 PM	16:15	7.65 pH	12.22 °C	1,498.9 µS/cm	1.75 mg/L	182.15 NTU	6.9 mV	302.97 cm	120.00 ml/min

12/2/2021 3:04 PM	17:30	7.66 pH	12.31 °C	1,492.6 µS/cm	1.62 mg/L	182.84 NTU	5.0 mV	302.97 cm	120.00 ml/min
12/2/2021 3:05 PM	18:45	7.67 pH	12.30 °C	1,485.1 µS/cm	1.52 mg/L	181.00 NTU	3.3 mV	302.97 cm	120.00 ml/min
12/2/2021 3:07 PM	20:00	7.67 pH	12.30 °C	1,481.9 µS/cm	1.42 mg/L	181.09 NTU	1.9 mV	302.97 cm	120.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 12/2/2021 3:29:48 PM

Project: OEI MW-15B

Operator Name: LRC

<p>Location Name: MW-15B Casing Type: PVC Screen Length: 10 ft Top of Screen: 47.93 ft Total Depth: 57.93 ft Initial Depth to Water: 9.83 ft</p>	<p>Pump Type: Geo Tubing Type: Poly Tubing Inner Diameter: 0.117 in Tubing Length: 50 ft Pump Intake From TOC: 1 ft Estimated Total Volume Pumped: 3266.667 ml Flow Cell Volume: 130 ml Final Flow Rate: 200 ml/min Final Draw Down: 0 ft</p>	<p>Instrument Used: Aqua TROLL 500 Serial Number: 634432</p>
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Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 3 %	+/- 0.3	+/- 10	+/- 10	+/- 5	
12/2/2021 3:29 PM	00:00	7.51 pH	11.07 °C	3,514.4 µS/cm	6.74 mg/L	154.14 NTU	81.2 mV	299.62 cm	200.00 ml/min
12/2/2021 3:30 PM	01:10	7.55 pH	11.30 °C	3,208.2 µS/cm	6.12 mg/L	148.18 NTU	72.9 mV	299.62 cm	200.00 ml/min
12/2/2021 3:32 PM	02:20	7.55 pH	11.66 °C	3,143.3 µS/cm	5.40 mg/L	140.11 NTU	61.6 mV	299.62 cm	200.00 ml/min
12/2/2021 3:33 PM	03:30	7.49 pH	11.90 °C	3,086.9 µS/cm	4.88 mg/L	123.42 NTU	47.6 mV	299.62 cm	200.00 ml/min
12/2/2021 3:34 PM	04:40	7.48 pH	11.93 °C	3,028.6 µS/cm	4.34 mg/L	161.34 NTU	22.0 mV	299.62 cm	200.00 ml/min
12/2/2021 3:35 PM	05:50	7.48 pH	11.91 °C	2,943.3 µS/cm	3.89 mg/L	174.50 NTU	-8.8 mV	299.62 cm	200.00 ml/min
12/2/2021 3:36 PM	07:00	7.50 pH	11.86 °C	2,888.5 µS/cm	3.50 mg/L	179.21 NTU	-35.6 mV	299.62 cm	200.00 ml/min
12/2/2021 3:37 PM	08:10	7.52 pH	11.85 °C	2,821.3 µS/cm	3.16 mg/L	182.17 NTU	-54.2 mV	299.62 cm	200.00 ml/min
12/2/2021 3:39 PM	09:20	7.53 pH	11.83 °C	2,778.1 µS/cm	2.86 mg/L	181.17 NTU	-65.9 mV	299.62 cm	200.00 ml/min
12/2/2021 3:40 PM	10:30	7.53 pH	11.86 °C	2,741.6 µS/cm	2.61 mg/L	181.00 NTU	-73.8 mV	299.62 cm	200.00 ml/min
12/2/2021 3:41 PM	11:40	7.53 pH	11.79 °C	2,728.8 µS/cm	2.38 mg/L	174.86 NTU	-79.1 mV	299.62 cm	200.00 ml/min
12/2/2021 3:42 PM	12:50	7.54 pH	11.78 °C	2,713.0 µS/cm	2.19 mg/L	178.71 NTU	-82.9 mV	299.62 cm	200.00 ml/min
12/2/2021 3:43 PM	14:00	7.54 pH	11.80 °C	2,706.2 µS/cm	2.02 mg/L	176.70 NTU	-85.9 mV	299.62 cm	200.00 ml/min
12/2/2021 3:44 PM	15:10	7.54 pH	11.86 °C	2,696.6 µS/cm	1.85 mg/L	177.72 NTU	-88.3 mV	299.62 cm	200.00 ml/min

12/2/2021 3:46 PM	16:20	7.54 pH	11.83 °C	2,692.8 μS/cm	1.72 mg/L	175.90 NTU	-90.5 mV	299.62 cm	200.00 ml/min
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Samples

Sample ID:	Description:
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Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 12/6/2021 12:50:41 PM

Project: OECl MW-16S

Operator Name: Lrc

<p>Location Name: MW-16S Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 4.51 ft Total Depth: 14.51 ft Initial Depth to Water: 3.96 ft</p>	<p>Pump Type: Geo Tubing Type: Poly Tubing Inner Diameter: 0.117 in Tubing Length: 20 ft Pump Intake From TOC: 1 ft Estimated Total Volume Pumped: 3423.333 ml Flow Cell Volume: 130 ml Final Flow Rate: 130 ml/min Final Draw Down: 0 ft</p>	<p>Instrument Used: Aqua TROLL 500 Serial Number: 634432</p>
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Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 3 %	+/- 0.3	+/- 10	+/- 10	+/- 5	
12/6/2021 12:50 PM	00:00	8.45 pH	8.42 °C	65.20 µS/cm	11.05 mg/L	83.31 NTU	73.5 mV	120.70 cm	130.00 ml/min
12/6/2021 12:52 PM	01:19	10.14 pH	7.67 °C	1,306.7 µS/cm	10.15 mg/L	112.00 NTU	-25.8 mV	120.70 cm	130.00 ml/min
12/6/2021 12:53 PM	02:38	9.76 pH	7.72 °C	1,282.7 µS/cm	9.15 mg/L	118.99 NTU	-14.9 mV	120.70 cm	130.00 ml/min
12/6/2021 12:54 PM	03:57	9.49 pH	7.86 °C	1,272.2 µS/cm	8.16 mg/L	116.32 NTU	-1.9 mV	120.70 cm	130.00 ml/min
12/6/2021 12:55 PM	05:16	9.30 pH	8.19 °C	1,274.6 µS/cm	7.31 mg/L	122.37 NTU	2.3 mV	120.70 cm	130.00 ml/min
12/6/2021 12:57 PM	06:35	9.14 pH	8.12 °C	1,280.0 µS/cm	6.51 mg/L	118.21 NTU	8.9 mV	120.70 cm	130.00 ml/min
12/6/2021 12:58 PM	07:54	9.00 pH	8.10 °C	1,291.9 µS/cm	5.87 mg/L	127.09 NTU	14.8 mV	120.70 cm	130.00 ml/min
12/6/2021 12:59 PM	09:13	8.89 pH	7.97 °C	1,283.8 µS/cm	5.28 mg/L	130.04 NTU	20.0 mV	120.70 cm	130.00 ml/min
12/6/2021 1:01 PM	10:32	8.79 pH	7.99 °C	1,285.3 µS/cm	4.83 mg/L	127.63 NTU	20.8 mV	120.70 cm	130.00 ml/min
12/6/2021 1:02 PM	11:51	8.72 pH	7.97 °C	1,280.3 µS/cm	4.38 mg/L	125.43 NTU	18.3 mV	120.70 cm	130.00 ml/min
12/6/2021 1:03 PM	13:10	8.65 pH	7.91 °C	1,282.0 µS/cm	4.02 mg/L	131.04 NTU	16.0 mV	120.70 cm	130.00 ml/min
12/6/2021 1:05 PM	14:29	8.57 pH	7.89 °C	1,285.0 µS/cm	3.71 mg/L	128.38 NTU	12.7 mV	120.70 cm	130.00 ml/min
12/6/2021 1:06 PM	15:48	8.51 pH	7.90 °C	1,283.7 µS/cm	3.42 mg/L	127.13 NTU	8.4 mV	120.70 cm	130.00 ml/min
12/6/2021 1:07 PM	17:07	8.45 pH	7.90 °C	1,285.2 µS/cm	3.16 mg/L	129.49 NTU	2.0 mV	120.70 cm	130.00 ml/min

12/6/2021 1:09 PM	18:26	8.40 pH	7.84 °C	1,293.8 µS/cm	2.97 mg/L	131.96 NTU	-4.8 mV	120.70 cm	130.00 ml/min
12/6/2021 1:10 PM	19:45	8.35 pH	7.77 °C	1,283.5 µS/cm	2.75 mg/L	131.90 NTU	-14.1 mV	120.70 cm	130.00 ml/min
12/6/2021 1:11 PM	21:04	8.30 pH	8.02 °C	1,292.7 µS/cm	2.58 mg/L	134.03 NTU	-22.1 mV	120.70 cm	130.00 ml/min
12/6/2021 1:13 PM	22:23	8.26 pH	8.16 °C	1,291.1 µS/cm	2.42 mg/L	134.81 NTU	-27.3 mV	120.70 cm	130.00 ml/min
12/6/2021 1:14 PM	23:42	8.23 pH	7.99 °C	1,293.6 µS/cm	2.27 mg/L	135.38 NTU	-34.8 mV	120.70 cm	130.00 ml/min
12/6/2021 1:15 PM	25:01	8.19 pH	8.09 °C	1,294.6 µS/cm	2.14 mg/L	134.01 NTU	-40.6 mV	120.70 cm	130.00 ml/min
12/6/2021 1:17 PM	26:20	8.16 pH	7.98 °C	1,292.0 µS/cm	2.01 mg/L	135.10 NTU	-44.1 mV	120.70 cm	130.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 12/6/2021 1:39:23 PM

Project: OEI MW-13D

Operator Name: LRC

Location Name: MW-13D Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 21.94 ft Total Depth: 31.94 ft Initial Depth to Water: 5.65 ft	Pump Type: Geo Tubing Type: Poly Tubing Inner Diameter: 0.117 in Tubing Length: 40 ft Pump Intake From TOC: 1 ft Estimated Total Volume Pumped: 4906.667 ml Flow Cell Volume: 130 ml Final Flow Rate: 200 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 500 Serial Number: 634432
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Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 3 %	+/- 0.3	+/- 10	+/- 10	+/- 5	
12/6/2021 1:39 PM	00:00	7.97 pH	9.39 °C	1,465.5 µS/cm	6.54 mg/L	150.88 NTU	-31.2 mV	172.21 cm	200.00 ml/min
12/6/2021 1:40 PM	01:04	7.96 pH	9.22 °C	1,482.4 µS/cm	5.93 mg/L	151.24 NTU	-37.4 mV	172.21 cm	200.00 ml/min
12/6/2021 1:41 PM	02:08	7.94 pH	9.06 °C	1,503.9 µS/cm	5.45 mg/L	153.57 NTU	-41.3 mV	172.21 cm	200.00 ml/min
12/6/2021 1:42 PM	03:12	7.93 pH	9.20 °C	1,509.4 µS/cm	4.95 mg/L	157.26 NTU	-44.5 mV	172.21 cm	200.00 ml/min
12/6/2021 1:43 PM	04:16	7.92 pH	9.23 °C	1,508.0 µS/cm	4.52 mg/L	158.82 NTU	-47.1 mV	172.21 cm	200.00 ml/min
12/6/2021 1:44 PM	05:20	7.92 pH	9.27 °C	1,506.6 µS/cm	4.16 mg/L	150.66 NTU	-49.2 mV	172.21 cm	200.00 ml/min
12/6/2021 1:45 PM	06:24	7.91 pH	9.32 °C	1,502.9 µS/cm	3.80 mg/L	160.58 NTU	-50.6 mV	172.21 cm	200.00 ml/min
12/6/2021 1:46 PM	07:28	7.91 pH	9.26 °C	1,497.2 µS/cm	3.50 mg/L	161.21 NTU	-52.8 mV	172.21 cm	200.00 ml/min
12/6/2021 1:47 PM	08:32	7.91 pH	9.09 °C	1,496.7 µS/cm	3.24 mg/L	159.69 NTU	-54.1 mV	172.21 cm	200.00 ml/min
12/6/2021 1:48 PM	09:36	7.90 pH	9.13 °C	1,498.9 µS/cm	3.01 mg/L	148.77 NTU	-55.9 mV	172.21 cm	200.00 ml/min
12/6/2021 1:50 PM	10:40	7.89 pH	9.30 °C	1,493.6 µS/cm	2.77 mg/L	147.70 NTU	-56.6 mV	172.21 cm	200.00 ml/min
12/6/2021 1:51 PM	11:44	7.88 pH	9.30 °C	1,486.2 µS/cm	2.58 mg/L	124.35 NTU	-58.0 mV	172.21 cm	200.00 ml/min
12/6/2021 1:52 PM	12:48	7.87 pH	9.38 °C	1,487.6 µS/cm	2.39 mg/L	125.85 NTU	-58.9 mV	172.21 cm	200.00 ml/min
12/6/2021 1:53 PM	13:52	7.87 pH	9.38 °C	1,486.9 µS/cm	2.24 mg/L	155.99 NTU	-59.4 mV	172.21 cm	200.00 ml/min

12/6/2021 1:54 PM	14:56	7.86 pH	9.60 °C	1,496.3 µS/cm	2.10 mg/L	156.93 NTU	-60.3 mV	172.21 cm	200.00 ml/min
12/6/2021 1:55 PM	16:00	7.86 pH	9.49 °C	1,492.4 µS/cm	1.98 mg/L	157.24 NTU	-60.8 mV	172.21 cm	200.00 ml/min
12/6/2021 1:56 PM	17:04	7.87 pH	9.15 °C	1,488.8 µS/cm	1.86 mg/L	156.39 NTU	-61.8 mV	172.21 cm	200.00 ml/min
12/6/2021 1:57 PM	18:08	7.86 pH	9.36 °C	1,497.0 µS/cm	1.76 mg/L	156.15 NTU	-62.7 mV	172.21 cm	200.00 ml/min
12/6/2021 1:58 PM	19:12	7.86 pH	9.06 °C	1,488.4 µS/cm	1.68 mg/L	155.75 NTU	-63.6 mV	172.21 cm	200.00 ml/min
12/6/2021 1:59 PM	20:16	7.85 pH	9.26 °C	1,498.7 µS/cm	1.60 mg/L	136.74 NTU	-64.3 mV	172.21 cm	200.00 ml/min
12/6/2021 2:00 PM	21:20	7.85 pH	9.19 °C	1,495.7 µS/cm	1.51 mg/L	156.33 NTU	-64.4 mV	172.21 cm	200.00 ml/min
12/6/2021 2:01 PM	22:24	7.84 pH	9.07 °C	1,493.3 µS/cm	1.44 mg/L	159.49 NTU	-65.1 mV	172.21 cm	200.00 ml/min
12/6/2021 2:02 PM	23:28	7.84 pH	9.03 °C	1,493.4 µS/cm	1.37 mg/L	156.47 NTU	-65.5 mV	172.21 cm	200.00 ml/min
12/6/2021 2:03 PM	24:32	7.83 pH	9.28 °C	1,496.4 µS/cm	1.31 mg/L	159.17 NTU	-66.0 mV	172.21 cm	200.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 12/6/2021 2:18:37 PM

Project: OEI MW-13S

Operator Name: LRC

Location Name: MW-13S Well Diameter: 2 in Casing Type: Stainless Steel Screen Length: 10 ft Top of Screen: 5.39 ft Total Depth: 15.39 ft Initial Depth to Water: 6.88 ft	Pump Type: Geo Tubing Type: Poly Tubing Inner Diameter: 0.117 in Tubing Length: 15 ft Pump Intake From TOC: 1 ft Estimated Total Volume Pumped: 3840 ml Flow Cell Volume: 130 ml Final Flow Rate: 150 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 500 Serial Number: 634432
---	---	--

Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 3 %	+/- 0.3	+/- 10	+/- 10	+/- 5	
12/6/2021 2:18 PM	00:00	8.24 pH	7.81 °C	799.09 µS/cm	2.84 mg/L	119.22 NTU	-31.6 mV	209.70 cm	150.00 ml/min
12/6/2021 2:19 PM	01:04	8.19 pH	8.13 °C	792.42 µS/cm	3.01 mg/L	45.80 NTU	-29.4 mV	209.70 cm	150.00 ml/min
12/6/2021 2:20 PM	02:08	8.14 pH	8.42 °C	789.35 µS/cm	3.18 mg/L	83.90 NTU	-26.3 mV	209.70 cm	150.00 ml/min
12/6/2021 2:21 PM	03:12	8.11 pH	8.57 °C	789.70 µS/cm	3.34 mg/L	97.46 NTU	-23.1 mV	209.70 cm	150.00 ml/min
12/6/2021 2:22 PM	04:16	8.09 pH	8.49 °C	791.03 µS/cm	3.46 mg/L	113.51 NTU	-20.1 mV	209.70 cm	150.00 ml/min
12/6/2021 2:23 PM	05:20	8.07 pH	8.65 °C	794.64 µS/cm	3.59 mg/L	126.71 NTU	-17.5 mV	209.70 cm	150.00 ml/min
12/6/2021 2:25 PM	06:24	8.05 pH	8.73 °C	796.38 µS/cm	3.70 mg/L	125.11 NTU	-15.3 mV	209.70 cm	150.00 ml/min
12/6/2021 2:26 PM	07:28	8.04 pH	8.64 °C	802.96 µS/cm	3.80 mg/L	132.04 NTU	-13.2 mV	209.70 cm	150.00 ml/min
12/6/2021 2:27 PM	08:32	8.03 pH	8.64 °C	799.02 µS/cm	3.89 mg/L	133.51 NTU	-11.9 mV	209.70 cm	150.00 ml/min
12/6/2021 2:28 PM	09:36	8.02 pH	8.70 °C	804.47 µS/cm	3.96 mg/L	137.21 NTU	-9.8 mV	209.70 cm	150.00 ml/min
12/6/2021 2:29 PM	10:40	8.01 pH	8.76 °C	807.45 µS/cm	4.03 mg/L	146.63 NTU	-8.1 mV	209.70 cm	150.00 ml/min
12/6/2021 2:30 PM	11:44	8.01 pH	8.83 °C	805.77 µS/cm	4.07 mg/L	148.70 NTU	-6.5 mV	209.70 cm	150.00 ml/min
12/6/2021 2:31 PM	12:48	8.00 pH	8.81 °C	800.14 µS/cm	4.12 mg/L	150.75 NTU	-5.0 mV	209.70 cm	150.00 ml/min
12/6/2021 2:32 PM	13:52	7.99 pH	8.73 °C	808.03 µS/cm	4.21 mg/L	151.63 NTU	-1.9 mV	209.70 cm	150.00 ml/min

12/6/2021 2:33 PM	14:56	7.99 pH	8.71 °C	800.85 µS/cm	4.23 mg/L	153.30 NTU	-0.8 mV	209.70 cm	150.00 ml/min
12/6/2021 2:34 PM	16:00	7.97 pH	8.90 °C	807.26 µS/cm	4.29 mg/L	154.19 NTU	1.0 mV	209.70 cm	150.00 ml/min
12/6/2021 2:35 PM	17:04	7.95 pH	8.88 °C	807.37 µS/cm	4.33 mg/L	153.51 NTU	3.1 mV	209.70 cm	150.00 ml/min
12/6/2021 2:36 PM	18:08	7.94 pH	8.83 °C	805.52 µS/cm	4.36 mg/L	157.99 NTU	4.9 mV	209.70 cm	150.00 ml/min
12/6/2021 2:37 PM	19:12	7.93 pH	8.79 °C	804.28 µS/cm	4.40 mg/L	158.53 NTU	6.8 mV	209.70 cm	150.00 ml/min
12/6/2021 2:38 PM	20:16	7.92 pH	8.76 °C	806.75 µS/cm	4.43 mg/L	160.21 NTU	9.4 mV	209.70 cm	150.00 ml/min
12/6/2021 2:39 PM	21:20	7.91 pH	8.74 °C	802.17 µS/cm	4.44 mg/L	159.89 NTU	11.0 mV	209.70 cm	150.00 ml/min
12/6/2021 2:41 PM	22:24	7.90 pH	8.81 °C	807.96 µS/cm	4.47 mg/L	159.41 NTU	12.5 mV	209.70 cm	150.00 ml/min
12/6/2021 2:42 PM	23:28	7.89 pH	8.89 °C	811.63 µS/cm	4.50 mg/L	161.98 NTU	13.8 mV	209.70 cm	150.00 ml/min
12/6/2021 2:43 PM	24:32	7.89 pH	8.78 °C	804.01 µS/cm	4.50 mg/L	162.95 NTU	15.4 mV	209.70 cm	150.00 ml/min
12/6/2021 2:44 PM	25:36	7.88 pH	8.79 °C	814.79 µS/cm	4.54 mg/L	162.80 NTU	17.0 mV	209.70 cm	150.00 ml/min

Samples

Sample ID:	Description:
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ANNUAL GROUNDWATER MONITORING REPORT

OECl Superfund Site, Town of Ashippun, WI

June 28, 2022

APPENDIX E

**Natural Biodegradation Potential
Scoring Criteria Table**

Table 1: Analytical Parameters and Weighting for Screening

Analyte	Concentration in Most Contaminated Zone	Interpretation/Comments	Points
Oxygen ^a	<.5 mg/L	Tolerated; suppresses reductive dechlorination at higher concentrations	3
Oxygen ^a	>1 mg/L	Vinyl chloride may be oxidized aerobically, but reductive dechlorination will not occur	-3
Nitrate ^a	<1 mg/L	May compete with reductive pathway at higher concentrations	2
Manganese (II)	>1 mg/L	Anaerobic oxidation of cDCE possible	2
Iron (II)	>1 mg/L	Reductive pathway possible; anaerobic oxidation of vinyl chloride to CO ₂ possible	3
Sulfate ^a	<20 mg/L	May compete with reductive pathway at higher concentrations	2
Sulfide ^a	>1 mg/L	Reductive pathway possible	3
Methane ^a	>.01 mg/L	Ultimate reductive breakdown product	2
	>1	Vinyl chloride accumulates	3
	<1	Vinyl chloride oxidizes	
Oxidation reduction potential ^a	<50 mV against Ag/AgCl	Reductive pathway possible	<50 mV = 1 <-100 mV = 2
pH ^a	5<pH<9	Tolerated range for reductive pathway	
DOC	>20 mg/L	Carbon and energy source; drives dechlorination; can be natural or anthropogenic	2
Temperature ^a	>20°C	At T>20°C, chemical process can be accelerated ^(f)	1
Carbon dioxide	>2x background	Ultimate oxidative breakdown product	1
Alkalinity	>2x background	Results from interaction of carbon dioxide with aquifer minerals	1
Chloride ^a	>2x background	Product of organic chlorine ; compare chloride in plume to background conditions	2
Hydrogen	>1 nM	Reductive pathway possible; vinyl chloride may accumulate	3
	<1 nM	Vinyl chloride oxidized	
Volatile fatty acids	>0.1 mg/L	Intermediates resulting from biodegradation of aromatic compounds; carbon and energy source	2
BTEX ^a	>0.1 mg/L	Carbon and energy source; drives dechlorination	2
Perchloroethene ^a		Material released	0
Trichloroethene ^a		Material released	0
		Product of perchloroethene dehalogenation	2 ^b
Dichloroethene ^a		Material released	0
		Product of trichloroethene biodegradation; if amount of <i>cis</i> -1,2-dichloroethene is greater than 80% of total dichloroethene, it is likely a product of trichloroethene or perchloroethylene dehalogenation.	2 ^b
Vinyl chloride ^a		Material released	0
		Product of dichloroethene biodegradation	2 ^b
Ethene/Ethane	<0.1 mg/L	Product of vinyl chloride dehalogenation	>0.01 mg/L=2 >0.1 = 3
Chloroethane ^a		Product of vinyl chloride biodegradation under reducing conditions	2
1,1,1-Trichloroethane ^a		Material released	0
1,1-dichloroethene ^a		Product of trichloroethene degradation or abiotic degradation of	

^a Required analysis.

^b Points awarded only if it can be shown that the compound is a breakdown product (i.e., not a constituent of the source of NAPL)

(Modified from: Wiedemeier, T.H., J.T. Wilson, D.H. Kampbell, R.N. Miller, and J.E. Hansen. 1996).

^(t) Temperature may have limited utility for assessing biodegradation potential. While some have found that the biodegradation rate of some chlorinated compounds is temperature dependent, others (9) found that the degradation of toluene is not dependent on temperature. Temperature may have a larger affect on abiotic degradation processes such as the degradation of 1,1,1-trichloroethane to 1,1-dichloroethylene.



ANNUAL GROUNDWATER MONITORING REPORT

OECI Superfund Site, Town of Ashippun, WI

June 28, 2022

APPENDIX F

Residential Wells

November 2021 Sampling Event Notifications

Notice: This form may be used to comply with the requirements of s. NR 716.14 (2), Wis. Adm. Code; however, use of this form is not required. An alternate format may be used. The rule requires that notification be provided to 1) property owners when someone else is conducting the sampling, 2) to occupants of property belonging to the responsible person, and 3) to owners and occupants of property that does not belong to the responsible person but has been affected by contamination arising on his or her property. Notification is required within 10 business days of receiving the sample results. Personal information collected will be used for program administration and may be provided to requesters to the extent required by Wisconsin's Open Records law [ss. 19.31-19.39, Wis. Stats.].

NOTE: Under s. NR 716.14, Wis. Adm. Code, the responsible party must also submit sample results and other required information to the DNR. We recommend that copies of the sample results notifications be included with that submittal, along with all attachments. Using the same format used for data presentation for a closure request may be helpful to all parties. See s. NR 716.14, Wis. Adm. Code for the full list of information to be submitted to the DNR.

Notification of Property Owners and Occupants:

This notification form has been provided to you in order to provide the results of environmental sampling that has been conducted on property that you own or occupy. Samples were collected in accordance with the methods identified in the site investigation work plan, in accordance with s. NR. 716.09 and 716.13, Wis. Adm. Code. This sampling was conducted as a result of contamination originating at the following location.

Site Information			
Site Name		DNR ID # (BRRTS #)	
Oconomowoc Electroplating Company, Inc. (OECI) Superfund Site		02-14-000905	
Address	City	State	ZIP Code
W2573 Oak Street	Ashippun	WI	53003

Responsible Party

The person(s) responsible for completing this environmental investigation is:

Property Owner			
Oconomowoc Electroplating Company, Inc.			
Address	City	State	ZIP Code
W2573 Oak Street	Ashippun	WI	53003
Contact Person	Phone Number (include area code)		
Gwen Saliars (WDNR PM), William Murray (US EPA Remedial PM)	(920) 510-4343		

Person or company that collected samples

Hyde Environmental, Inc.

Sample Results (Results Attached)

Reason for Sampling: Routine Other (define) _____

The contaminants that have been identified at this time on property that you own or occupy include:

Contaminant	In Soil?		In Groundwater?	
	Yes	No	Yes	No
Gasoline	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Diesel or Fuel Oil	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Solvents	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Heavy Metals	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Pesticides	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Other: _____	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

This sampling event included sampling of a drinking water well.

Yes No

If yes, the sampled drinking water well had detectable contaminants.

Yes No

Contaminants in Vapor	Yes	No
	Indoor Air	<input type="radio"/>
Sub-slab	<input type="radio"/>	<input checked="" type="radio"/>
Exterior Soil Gas	<input type="radio"/>	<input checked="" type="radio"/>

Site Investigation Sample Results Notification

Form 4400-249 (R 03/14)

Page 2 of 2

Attached are:

- A map that shows the locations from which samples were collected. (The map needs to meet the requirements of s. NR 716.15 (4), Wis. Adm. Code.)
- A data table with specific contaminant levels at each sample location and whether or not the sample results exceed state standards.
- A copy of the laboratory results.

You are not identified as the person that is responsible for this contamination. However, your cooperation is important. Property owners may become legally responsible for contamination if they do not allow access to the person that is responsible so that person may complete the environmental investigation and clean up activities.

Option for written exemption: You have the option of requesting a written liability exemption from the DNR for contamination that originated on another property, or on property that you lease. To do this, you must present an adequate environmental assessment of your property and pay a \$700 fee for review of this information. If you are interested in this option, please see DNR publication # RR 589, "When Contamination Crosses a Property Line - Rights and Responsibilities of Property Owners", available at: dnr.wi.gov/files/PDF/pubs/rr/rr589.pdf.

Contact Information

Please address questions regarding this notification, or requests for additional information to the contact person listed above, or to one of the following contacts:

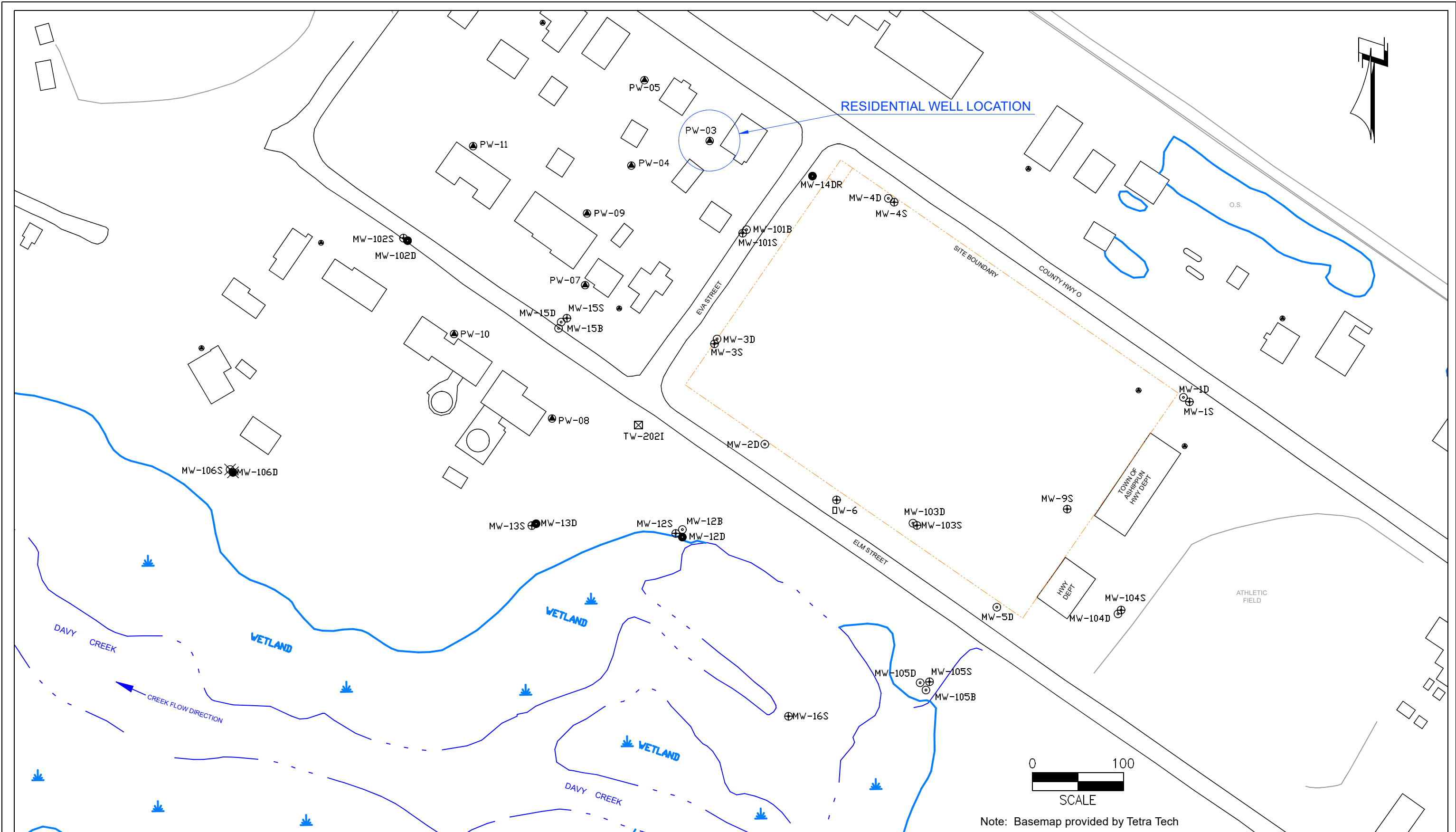
Environmental Consultant

Company Name		Contact Person Last Name	First Name	
Hyde Environmental, Inc.		Pagels	Corey	
Address		City	State	ZIP Code
W175 N11163 Stonewood Drive, Suite 110		Germantown	WI	53022
Phone # (inc. area code)	Email			
(262) 250-1226	cpagels@hyde-env.com			

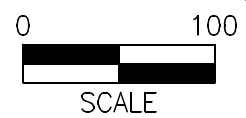
Select which agency: Natural Resources Agriculture, Trade and Consumer Protection

State of Wisconsin Department of Natural Resources

Contact Person Last Name	First Name	Phone # (inc. area code)	
Saliars	Gwen	(920) 510-4343	
Address	City	State	ZIP Code
625 E County Road Y, Suite 700	Oshkosh	WI	54901
Email			
gwen.saliars@wisconsin.gov			



RESIDENTIAL WELL LOCATION



Note: Basemap provided by Tetra Tech

⊕ MW-105B	BEDROCK MONITORING WELL	● PW-11	RESIDENTIAL WELL
● MW-105D	DEEP UNCONSOLIDATED MONITORING WELL	● MW-106D	DEEP UNCONSOLIDATED SENTINEL WELL
⊕ MW-105S	SHALLOW UNCONSOLIDATED MONITORING WELL	⊗ MW-106S	SHALLOW UNCONSOLIDATED SENTINEL WELL
---	FORMER OECI SITE BOUNDARY		



Figure 1
SITE MAP
Oconomowoc Electroplating Company, Inc.
Ashippun, WI

GROUNDWATER ANALYTICAL RESULTS SUMMARY

W2601 Oak Street, Ashippun, WI

Sampled December 1, 2021

Parameters (ug/L)	<i>NR 140 Groundwater Quality Health Standards</i>		PW-03
	<i>ES</i>	<i>PAL</i>	
VOCs			
1,2-Dichloroethane	5	0.5	0.036 J
cis-1,2-Dichloroethene	70	7	3.0
trans-1,2-Dichloroethene	100	20	0.12
Methyl tert-butyl ether (MTBE)	60	12	0.70
Trichloroethene	5	0.5	<i>0.51</i>
1,4-Dioxane	3	0.3	< 0.40

Notes:

PAL = Preventive Action Limit

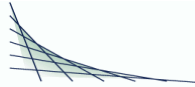
ES = Enforcement Standard

Italicized values attain or exceed the NR 140 PAL

ug/L = micrograms per liter

< = less than the laboratory method detection limit (MDL)

J = Result is less than the laboratory Reporting Limit but > or = to the laboratory MDL



ANALYTICAL REPORT

HYDE ENVIRONMENTAL, INC.
 JIM LINDEMANN
 W175 N11163 STONEWOOD DRIVE
 SUITE 110
 GERMANTOWN, WI 53022-6501

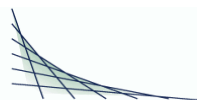
Project Name: OCONOMOWOC ELECTROPLATING
 Project Phase: ASHIPUN, WI
 Project #:
 Folder #: 166239
 Purchase Order #:
 Contract #: 3451

Page 1 of 5
 Arrival Temperature: 4.5
 Report Date: 12/22/2021
 Date Received: 12/3/2021
 Reprint Date: 12/22/2021

CT LAB#: 1080789	Sample Description: PW-03	DNR License/Well #: 04189/051	Sampled: 12/1/2021 19:30
------------------	---------------------------	-------------------------------	--------------------------

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1	U		12/8/2021 12:15	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1	U		12/8/2021 12:15	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1	U		12/8/2021 12:15	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1	U		12/8/2021 12:15	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1	U		12/8/2021 12:15	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1	U		12/8/2021 12:15	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1	U		12/8/2021 12:15	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1	U		12/8/2021 12:15	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1	U		12/8/2021 12:15	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1	U		12/8/2021 12:15	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1	U		12/8/2021 12:15	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1	U		12/8/2021 12:15	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1	U		12/8/2021 12:15	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1	U		12/8/2021 12:15	RLD	EPA 8260C
1,2-Dichloroethane	0.036	ug/L	0.017	0.10	1	J		12/8/2021 12:15	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1	U		12/8/2021 12:15	RLD	EPA 8260C

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



CT LAB#: 1080789 Sample Description:PW-03

DNR License/Well #: 04189/051

Sampled: 12/1/2021 19:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1	U		12/8/2021 12:15	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1	U		12/8/2021 12:15	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1	U		12/8/2021 12:15	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1	U		12/8/2021 12:15	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1	U		12/8/2021 12:15	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1	U		12/8/2021 12:15	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1	U		12/8/2021 12:15	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1	U		12/8/2021 12:15	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1	U		12/8/2021 12:15	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1	U		12/8/2021 12:15	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1	U		12/8/2021 12:15	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1	U		12/8/2021 12:15	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1	U		12/8/2021 12:15	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1	U		12/8/2021 12:15	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1	U		12/8/2021 12:15	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1	U		12/8/2021 12:15	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1	U		12/8/2021 12:15	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1	U		12/8/2021 12:15	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1	U		12/8/2021 12:15	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1	U		12/8/2021 12:15	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1	U		12/8/2021 12:15	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1	U		12/8/2021 12:15	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1	U		12/8/2021 12:15	RLD	EPA 8260C
cis-1,2-Dichloroethene	3.0	ug/L	0.023	0.10	1			12/8/2021 12:15	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1	U		12/8/2021 12:15	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1	U		12/8/2021 12:15	RLD	EPA 8260C

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

CT LAB#: 1080789 Sample Description:PW-03

DNR License/Well #: 04189/051

Sampled: 12/1/2021 19:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromomethane	<0.018	ug/L	0.018	0.10	1	U		12/8/2021 12:15	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1	U		12/8/2021 12:15	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1	U		12/8/2021 12:15	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1	U		12/8/2021 12:15	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1	U		12/8/2021 12:15	RLD	EPA 8260C
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1	U		12/8/2021 12:15	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1	U		12/8/2021 12:15	RLD	EPA 8260C
Methyl tert-butyl ether	0.70	ug/L	0.014	0.10	1			12/8/2021 12:15	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1	U		12/8/2021 12:15	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1	U		12/8/2021 12:15	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1	U		12/8/2021 12:15	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1	U		12/8/2021 12:15	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1	U		12/8/2021 12:15	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1	U		12/8/2021 12:15	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1	U		12/8/2021 12:15	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1	U		12/8/2021 12:15	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1	U		12/8/2021 12:15	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1	U		12/8/2021 12:15	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1	U		12/8/2021 12:15	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1	U		12/8/2021 12:15	RLD	EPA 8260C
trans-1,2-Dichloroethene	0.12	ug/L	0.020	0.10	1			12/8/2021 12:15	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1	U		12/8/2021 12:15	RLD	EPA 8260C
Trichloroethene	0.51	ug/L	0.022	0.10	1			12/8/2021 12:15	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1	U		12/8/2021 12:15	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1	U		12/8/2021 12:15	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1	U		12/8/2021 12:15	RLD	EPA 8260C

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

CT LAB#: 1080789	Sample Description:PW-03	DNR License/Well #: 04189/051	Sampled: 12/1/2021 19:30
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,4-Dioxane	<0.40	ug/L	0.40	1.4	1	U	12/6/2021 12:00	12/9/2021 14:19	JJY	EPA 8270D-SIM

Notes: All LOD/LOQs are adjusted to reflect dilution, percent solids, and any differences in the sample weight / volume as compared to standard amounts.
"U" qualifier indicates concentration of analyte was below the detection limit. "J" qualifier indicates an estimated value between the LOD and LOQ.

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.

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

Current CT Laboratories Certifications

Wisconsin (WDNR) Chemistry ID# 157066030

Wisconsin (DATCP) Bacteriology ID# 289

Louisiana NELAP (primary) ID# 115843

Illinois NELAP Lab ID# 200073

Kansas NELAP Lab ID# E-10368

Virginia NELAP Lab ID# 460203

ISO/IEC 17025-2005 A2LA Cert # 3806.01

DoD-ELAP A2LA 3806.01

Notice: This form may be used to comply with the requirements of s. NR 716.14 (2), Wis. Adm. Code; however, use of this form is not required. An alternate format may be used. The rule requires that notification be provided to 1) property owners when someone else is conducting the sampling, 2) to occupants of property belonging to the responsible person, and 3) to owners and occupants of property that does not belong to the responsible person but has been affected by contamination arising on his or her property. Notification is required within 10 business days of receiving the sample results. Personal information collected will be used for program administration and may be provided to requesters to the extent required by Wisconsin's Open Records law [ss. 19.31-19.39, Wis. Stats.].

NOTE: Under s. NR 716.14, Wis. Adm. Code, the responsible party must also submit sample results and other required information to the DNR. We recommend that copies of the sample results notifications be included with that submittal, along with all attachments. Using the same format used for data presentation for a closure request may be helpful to all parties. See s. NR 716.14, Wis. Adm. Code for the full list of information to be submitted to the DNR.

Notification of Property Owners and Occupants:

This notification form has been provided to you in order to provide the results of environmental sampling that has been conducted on property that you own or occupy. Samples were collected in accordance with the methods identified in the site investigation work plan, in accordance with s. NR. 716.09 and 716.13, Wis. Adm. Code. This sampling was conducted as a result of contamination originating at the following location.

Site Information			
Site Name		DNR ID # (BRRTS #)	
Oconomowoc Electroplating Company, Inc. (OECI) Superfund Site		02-14-000905	
Address	City	State	ZIP Code
W2573 Oak Street	Ashippun	WI	53003

Responsible Party

The person(s) responsible for completing this environmental investigation is:

Property Owner

Oconomowoc Electroplating Company, Inc.			
Address	City	State	ZIP Code
W2573 Oak Street	Ashippun	WI	53003
Contact Person	Phone Number (include area code)		
Gwen Saliars (WDNR PM), William Murray (US EPA Remedial PM)	(920) 510-4343		

Person or company that collected samples

Hyde Environmental, Inc.

Sample Results (Results Attached)

Reason for Sampling: Routine Other (define) _____

The contaminants that have been identified at this time on property that you own or occupy include:

Contaminant	In Soil?		In Groundwater?	
	Yes	No	Yes	No
Gasoline	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Diesel or Fuel Oil	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Solvents	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Heavy Metals	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Pesticides	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Other: _____	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

This sampling event included sampling of a drinking water well.
 Yes No

If yes, the sampled drinking water well had detectable contaminants.
 Yes No

	Contaminants in Vapor	
	Yes	No
Indoor Air	<input type="radio"/>	<input checked="" type="radio"/>
Sub-slab	<input type="radio"/>	<input checked="" type="radio"/>
Exterior Soil Gas	<input type="radio"/>	<input checked="" type="radio"/>

Site Investigation Sample Results Notification

Form 4400-249 (R 03/14)

Page 2 of 2

Attached are:

- A map that shows the locations from which samples were collected. (The map needs to meet the requirements of s. NR 716.15 (4), Wis. Adm. Code.)
- A data table with specific contaminant levels at each sample location and whether or not the sample results exceed state standards.
- A copy of the laboratory results.

You are not identified as the person that is responsible for this contamination. However, your cooperation is important. Property owners may become legally responsible for contamination if they do not allow access to the person that is responsible so that person may complete the environmental investigation and clean up activities.

Option for written exemption: You have the option of requesting a written liability exemption from the DNR for contamination that originated on another property, or on property that you lease. To do this, you must present an adequate environmental assessment of your property and pay a \$700 fee for review of this information. If you are interested in this option, please see DNR publication # RR 589, "When Contamination Crosses a Property Line - Rights and Responsibilities of Property Owners", available at: dnr.wi.gov/files/PDF/pubs/rr/rr589.pdf.

Contact Information

Please address questions regarding this notification, or requests for additional information to the contact person listed above, or to one of the following contacts:

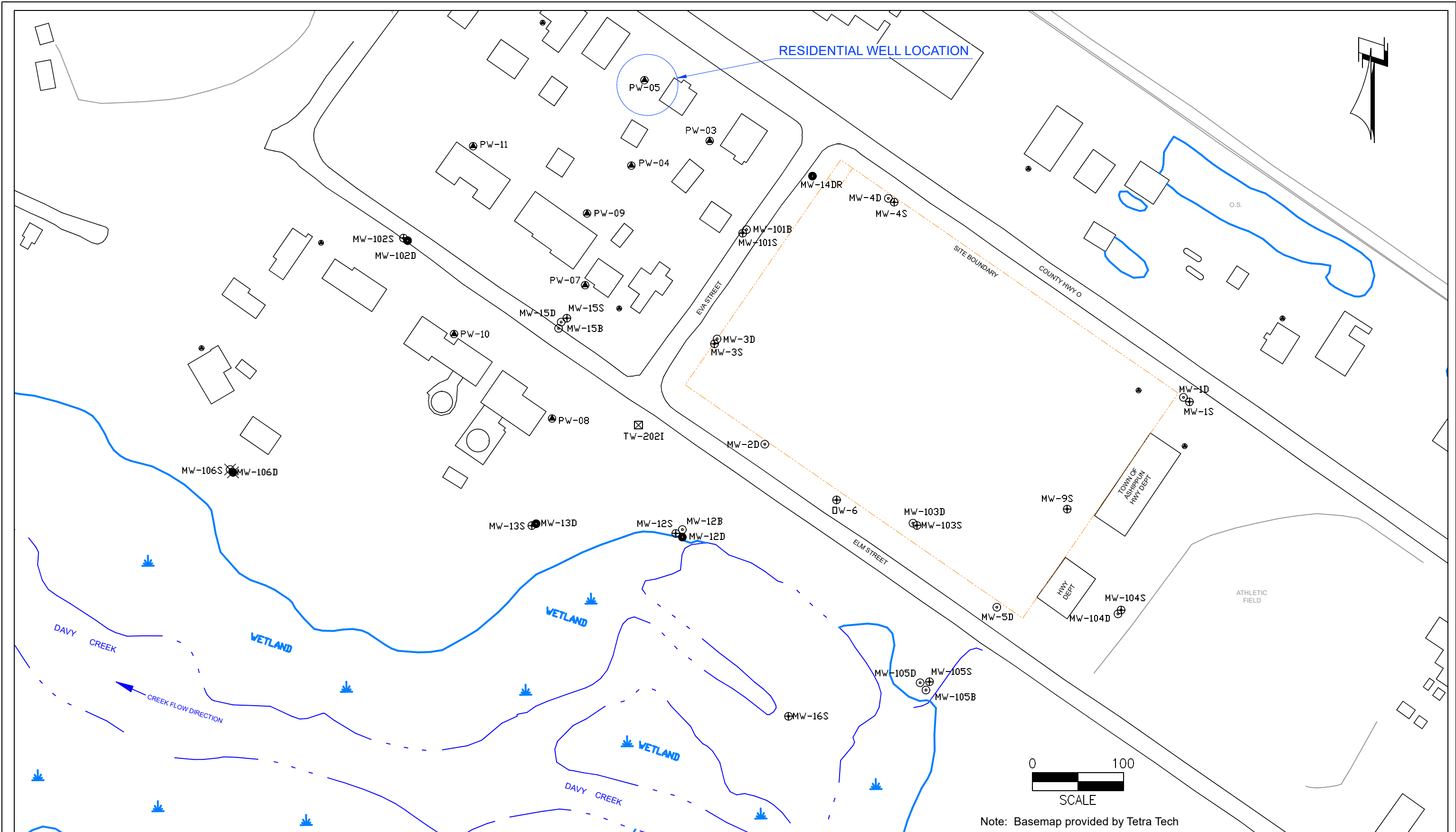
Environmental Consultant

Company Name		Contact Person Last Name	First Name	
Hyde Environmental, Inc.		Pagels	Corey	
Address		City	State	ZIP Code
W175 N11163 Stonewood Drive, Suite 110		Germantown	WI	53022
Phone # (inc. area code)	Email			
(262) 250-1226	cpagels@hyde-env.com			

Select which agency: Natural Resources Agriculture, Trade and Consumer Protection

State of Wisconsin Department of Natural Resources

Contact Person Last Name	First Name	Phone # (inc. area code)	
Saliars	Gwen	(920) 510-4343	
Address	City	State	ZIP Code
625 E County Road Y, Suite 700	Oshkosh	WI	54901
Email			
gwen.saliars@wisconsin.gov			



⊕ MW-105B	BEDROCK MONITORING WELL	● PW-11	RESIDENTIAL WELL
● MW-105D	DEEP UNCONSOLIDATED MONITORING WELL	⊗ MW-106D	DEEP UNCONSOLIDATED SENTINEL WELL
⊕ MW-105S	SHALLOW UNCONSOLIDATED MONITORING WELL	⊗ MW-106S	SHALLOW UNCONSOLIDATED SENTINEL WELL
-----	FORMER OECl SITE BOUNDARY		



Figure 1
SITE MAP
Oconomowoc Electroplating Company, Inc.
Ashippun, WI

GROUNDWATER ANALYTICAL RESULTS SUMMARY

W2611 Oak Street, Ashippun, WI

Sampled December 1, 2021

Parameters (ug/L)	NR 140 Groundwater Quality Health Standards		PW-05
	ES	PAL	
VOCs			
1,2-Dichloroethane	5	0.5	0.035 J
cis-1,2-Dichloroethene	70	7	1.9
trans-1,2-Dichloroethene	100	20	0.084 J
Methyl tert-butyl ether (MTBE)	60	12	0.71
Trichloroethene	5	0.5	0.097 J
Diisopropyl ether	--	--	0.30
Vinyl acetate	--	--	0.41 J
1,4-Dioxane	3	0.3	< 0.40

Notes:

PAL = Preventive Action Limit

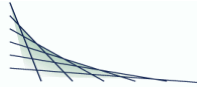
ES = Enforcement Standard

-- = No standard

ug/L = micrograms per liter

< = less than the laboratory method detection limit (MDL)

J = Result is less than the laboratory Reporting Limit but > or = to the laboratory MDL



ANALYTICAL REPORT

HYDE ENVIRONMENTAL, INC.
 JIM LINDEMANN
 W175 N11163 STONEWOOD DRIVE
 SUITE 110
 GERMANTOWN, WI 53022-6501

Project Name: OCONOMOWOC ELECTROPLATING
 Project Phase: ASHIPUN, WI
 Project #:
 Folder #: 166239
 Purchase Order #:
 Contract #: 3451

Page 1 of 5
 Arrival Temperature: 4.5
 Report Date: 12/22/2021
 Date Received: 12/3/2021
 Reprint Date: 12/22/2021

CT LAB#: 1080788	Sample Description: PW-05	DNR License/Well #: 04189/053	Sampled: 12/1/2021 17:00
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1	U	12/8/2021 11:47	12/8/2021 11:47	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1	U	12/8/2021 11:47	12/8/2021 11:47	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1	U	12/8/2021 11:47	12/8/2021 11:47	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1	U	12/8/2021 11:47	12/8/2021 11:47	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1	U	12/8/2021 11:47	12/8/2021 11:47	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1	U	12/8/2021 11:47	12/8/2021 11:47	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1	U	12/8/2021 11:47	12/8/2021 11:47	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1	U	12/8/2021 11:47	12/8/2021 11:47	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1	U	12/8/2021 11:47	12/8/2021 11:47	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1	U	12/8/2021 11:47	12/8/2021 11:47	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1	U	12/8/2021 11:47	12/8/2021 11:47	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1	U	12/8/2021 11:47	12/8/2021 11:47	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1	U	12/8/2021 11:47	12/8/2021 11:47	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1	U	12/8/2021 11:47	12/8/2021 11:47	RLD	EPA 8260C
1,2-Dichloroethane	0.035	ug/L	0.017	0.10	1	J	12/8/2021 11:47	12/8/2021 11:47	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1	U	12/8/2021 11:47	12/8/2021 11:47	RLD	EPA 8260C

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

CT LAB#: 1080788	Sample Description:PW-05	DNR License/Well #: 04189/053	Sampled: 12/1/2021 17:00
------------------	--------------------------	-------------------------------	--------------------------

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1	U		12/8/2021 11:47	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1	U		12/8/2021 11:47	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1	U		12/8/2021 11:47	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1	U		12/8/2021 11:47	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1	U		12/8/2021 11:47	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1	U		12/8/2021 11:47	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1	U		12/8/2021 11:47	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1	U		12/8/2021 11:47	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1	U		12/8/2021 11:47	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1	U		12/8/2021 11:47	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1	U		12/8/2021 11:47	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1	U		12/8/2021 11:47	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1	U		12/8/2021 11:47	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1	U		12/8/2021 11:47	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1	U		12/8/2021 11:47	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1	U		12/8/2021 11:47	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1	U		12/8/2021 11:47	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1	U		12/8/2021 11:47	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1	U		12/8/2021 11:47	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1	U		12/8/2021 11:47	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1	U		12/8/2021 11:47	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1	U		12/8/2021 11:47	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1	U		12/8/2021 11:47	RLD	EPA 8260C
cis-1,2-Dichloroethene	1.9	ug/L	0.023	0.10	1			12/8/2021 11:47	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1	U		12/8/2021 11:47	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1	U		12/8/2021 11:47	RLD	EPA 8260C

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

CT LAB#: 1080788 Sample Description:PW-05

DNR License/Well #: 04189/053

Sampled: 12/1/2021 17:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromomethane	<0.018	ug/L	0.018	0.10	1	U		12/8/2021 11:47	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1	U		12/8/2021 11:47	RLD	EPA 8260C
Diisopropyl ether	0.30	ug/L	0.02	0.1	1			12/8/2021 11:47	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1	U		12/8/2021 11:47	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1	U		12/8/2021 11:47	RLD	EPA 8260C
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1	U		12/8/2021 11:47	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1	U		12/8/2021 11:47	RLD	EPA 8260C
Methyl tert-butyl ether	0.71	ug/L	0.014	0.10	1			12/8/2021 11:47	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1	U		12/8/2021 11:47	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1	U		12/8/2021 11:47	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1	U		12/8/2021 11:47	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1	U		12/8/2021 11:47	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1	U		12/8/2021 11:47	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1	U		12/8/2021 11:47	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1	U		12/8/2021 11:47	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1	U		12/8/2021 11:47	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1	U		12/8/2021 11:47	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1	U		12/8/2021 11:47	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1	U		12/8/2021 11:47	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1	U		12/8/2021 11:47	RLD	EPA 8260C
trans-1,2-Dichloroethene	0.084	ug/L	0.020	0.10	1	J		12/8/2021 11:47	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1	U		12/8/2021 11:47	RLD	EPA 8260C
Trichloroethene	0.097	ug/L	0.022	0.10	1	J		12/8/2021 11:47	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1	U		12/8/2021 11:47	RLD	EPA 8260C
Vinyl acetate	0.41	ug/L	0.14	1.0	1	J		12/8/2021 11:47	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1	U		12/8/2021 11:47	RLD	EPA 8260C

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

CT LAB#: 1080788	Sample Description:PW-05	DNR License/Well #: 04189/053	Sampled: 12/1/2021 17:00
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,4-Dioxane	<0.40	ug/L	0.40	1.4	1	U	12/6/2021 12:00	12/9/2021 13:59	JJY	EPA 8270D-SIM

Notes: All LOD/LOQs are adjusted to reflect dilution, percent solids, and any differences in the sample weight / volume as compared to standard amounts.
"U" qualifier indicates concentration of analyte was below the detection limit. "J" qualifier indicates an estimated value between the LOD and LOQ.

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.

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

Current CT Laboratories Certifications

Wisconsin (WDNR) Chemistry ID# 157066030

Wisconsin (DATCP) Bacteriology ID# 289

Louisiana NELAP (primary) ID# 115843

Illinois NELAP Lab ID# 200073

Kansas NELAP Lab ID# E-10368

Virginia NELAP Lab ID# 460203

ISO/IEC 17025-2005 A2LA Cert # 3806.01

DoD-ELAP A2LA 3806.01

Notice: This form may be used to comply with the requirements of s. NR 716.14 (2), Wis. Adm. Code; however, use of this form is not required. An alternate format may be used. The rule requires that notification be provided to 1) property owners when someone else is conducting the sampling, 2) to occupants of property belonging to the responsible person, and 3) to owners and occupants of property that does not belong to the responsible person but has been affected by contamination arising on his or her property. Notification is required within 10 business days of receiving the sample results. Personal information collected will be used for program administration and may be provided to requesters to the extent required by Wisconsin's Open Records law [ss. 19.31-19.39, Wis. Stats.].

NOTE: Under s. NR 716.14, Wis. Adm. Code, the responsible party must also submit sample results and other required information to the DNR. We recommend that copies of the sample results notifications be included with that submittal, along with all attachments. Using the same format used for data presentation for a closure request may be helpful to all parties. See s. NR 716.14, Wis. Adm. Code for the full list of information to be submitted to the DNR.

Notification of Property Owners and Occupants:

This notification form has been provided to you in order to provide the results of environmental sampling that has been conducted on property that you own or occupy. Samples were collected in accordance with the methods identified in the site investigation work plan, in accordance with s. NR. 716.09 and 716.13, Wis. Adm. Code. This sampling was conducted as a result of contamination originating at the following location.

Site Information			
Site Name		DNR ID # (BRRTS #)	
Oconomowoc Electroplating Company, Inc. (OECI) Superfund Site		02-14-000905	
Address	City	State	ZIP Code
W2573 Oak Street	Ashippun	WI	53003

Responsible Party

The person(s) responsible for completing this environmental investigation is:

Property Owner

Oconomowoc Electroplating Company, Inc.

Address	City	State	ZIP Code
W2573 Oak Street	Ashippun	WI	53003
Contact Person	Phone Number (include area code)		
Gwen Saliars (WDNR PM), William Murray (US EPA Remedial PM)	(920) 510-4343		

Person or company that collected samples

Hyde Environmental, Inc.

Sample Results (Results Attached)

Reason for Sampling: Routine Other (define) _____

The contaminants that have been identified at this time on property that you own or occupy include:

Contaminant	In Soil?		In Groundwater?	
	Yes	No	Yes	No
Gasoline	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Diesel or Fuel Oil	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Solvents	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Heavy Metals	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Pesticides	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Other: _____	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

This sampling event included sampling of a drinking water well.
 Yes No

If yes, the sampled drinking water well had detectable contaminants.
 Yes No

	Contaminants in Vapor	
	Yes	No
Indoor Air	<input type="radio"/>	<input checked="" type="radio"/>
Sub-slab	<input type="radio"/>	<input checked="" type="radio"/>
Exterior Soil Gas	<input type="radio"/>	<input checked="" type="radio"/>

Site Investigation Sample Results Notification

Form 4400-249 (R 03/14)

Page 2 of 2

Attached are:

- A map that shows the locations from which samples were collected. (The map needs to meet the requirements of s. NR 716.15 (4), Wis. Adm. Code.)
- A data table with specific contaminant levels at each sample location and whether or not the sample results exceed state standards.
- A copy of the laboratory results.

You are not identified as the person that is responsible for this contamination. However, your cooperation is important. Property owners may become legally responsible for contamination if they do not allow access to the person that is responsible so that person may complete the environmental investigation and clean up activities.

Option for written exemption: You have the option of requesting a written liability exemption from the DNR for contamination that originated on another property, or on property that you lease. To do this, you must present an adequate environmental assessment of your property and pay a \$700 fee for review of this information. If you are interested in this option, please see DNR publication # RR 589, "When Contamination Crosses a Property Line - Rights and Responsibilities of Property Owners", available at: dnr.wi.gov/files/PDF/pubs/rr/rr589.pdf.

Contact Information

Please address questions regarding this notification, or requests for additional information to the contact person listed above, or to one of the following contacts:

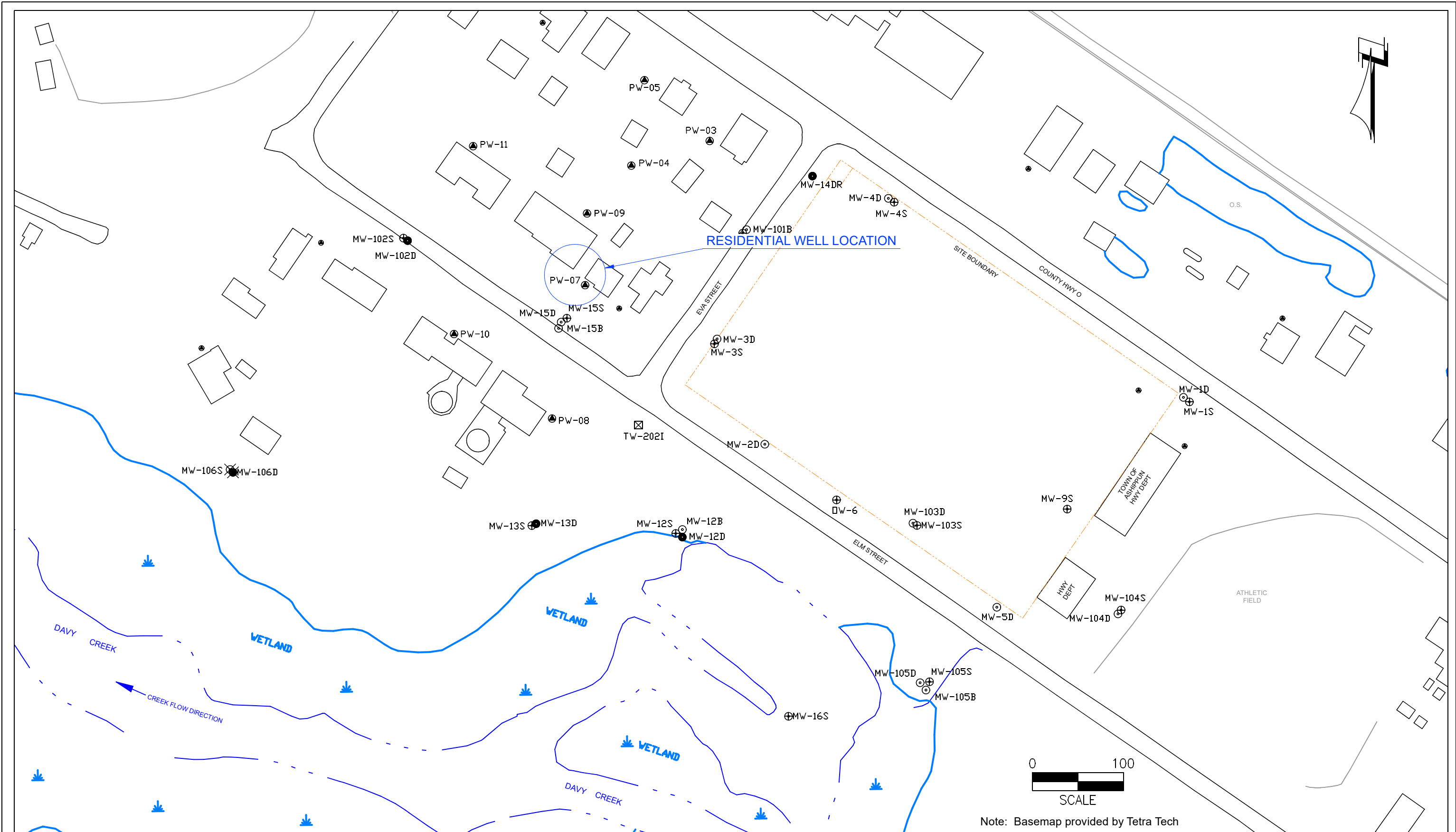
Environmental Consultant

Company Name		Contact Person Last Name	First Name	
Hyde Environmental, Inc.		Pagels	Corey	
Address		City	State	ZIP Code
W175 N11163 Stonewood Drive, Suite 110		Germantown	WI	53022
Phone # (inc. area code)	Email			
(262) 250-1226	cpagels@hyde-env.com			

Select which agency: Natural Resources Agriculture, Trade and Consumer Protection

State of Wisconsin Department of Natural Resources

Contact Person Last Name	First Name	Phone # (inc. area code)	
Saliars	Gwen	(920) 510-4343	
Address	City	State	ZIP Code
625 E County Road Y, Suite 700	Oshkosh	WI	54901
Email			
gwen.saliars@wisconsin.gov			



RESIDENTIAL WELL LOCATION

- | | | | |
|-----------|--|-----------|--------------------------------------|
| ⊕ MW-105B | BEDROCK MONITORING WELL | ● PW-11 | RESIDENTIAL WELL |
| ● MW-105D | DEEP UNCONSOLIDATED MONITORING WELL | ● MW-106D | DEEP UNCONSOLIDATED SENTINEL WELL |
| ⊕ MW-105S | SHALLOW UNCONSOLIDATED MONITORING WELL | ⊗ MW-106S | SHALLOW UNCONSOLIDATED SENTINEL WELL |
| ----- | FORMER OECI SITE BOUNDARY | | |

Note: Basemap provided by Tetra Tech



Figure 1
SITE MAP
 Oconomowoc Electroplating Company, Inc.
 Ashippun, WI

GROUNDWATER ANALYTICAL RESULTS SUMMARY

W2602 Elm Street, Ashippun, WI

Sampled December 1, 2021

Parameters (ug/L)	NR 140 Groundwater Quality Health Standards		PW-07
	ES	PAL	
VOCs			
1,2-Dichloroethane	5	0.5	0.035 J
cis-1,2-Dichloroethene	70	7	5.4
trans-1,2-Dichloroethene	100	20	0.21
Methyl tert-butyl ether (MTBE)	60	12	0.67
Trichloroethene	5	0.5	0.039 J
Vinyl chloride	0.2	0.02	0.038 J
1,4-Dioxane	3	0.3	0.46 J

Notes:

PAL = Preventive Action Limit

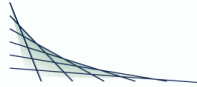
ES = Enforcement Standard

Italicized values attain or exceed the NR 140 PAL

ug/L = micrograms per liter

< = less than the laboratory method detection limit (MDL)

J = Result is less than the laboratory Reporting Limit but > or = to the laboratory MDL



ANALYTICAL REPORT

HYDE ENVIRONMENTAL, INC.
 JIM LINDEMANN
 W175 N11163 STONEWOOD DRIVE
 SUITE 110
 GERMANTOWN, WI 53022-6501

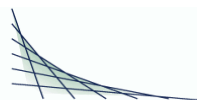
Project Name: OCONOMOWOC ELECTROPLATING
 Project Phase: ASHIPUN, WI
 Project #:
 Folder #: 166239
 Purchase Order #:
 Contract #: 3451

Page 1 of 5
 Arrival Temperature: 4.5
 Report Date: 12/22/2021
 Date Received: 12/3/2021
 Reprint Date: 12/22/2021

CT LAB#: 1080785	Sample Description: PW-07	DNR License/Well #: 04189/054	Sampled: 12/1/2021 15:30
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1	U	12/8/2021 10:21	12/8/2021 10:21	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1	U	12/8/2021 10:21	12/8/2021 10:21	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1	U	12/8/2021 10:21	12/8/2021 10:21	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1	U	12/8/2021 10:21	12/8/2021 10:21	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1	U	12/8/2021 10:21	12/8/2021 10:21	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1	U	12/8/2021 10:21	12/8/2021 10:21	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1	U	12/8/2021 10:21	12/8/2021 10:21	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1	U	12/8/2021 10:21	12/8/2021 10:21	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1	U	12/8/2021 10:21	12/8/2021 10:21	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1	U	12/8/2021 10:21	12/8/2021 10:21	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1	U	12/8/2021 10:21	12/8/2021 10:21	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1	U	12/8/2021 10:21	12/8/2021 10:21	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1	U	12/8/2021 10:21	12/8/2021 10:21	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1	U	12/8/2021 10:21	12/8/2021 10:21	RLD	EPA 8260C
1,2-Dichloroethane	0.035	ug/L	0.017	0.10	1	J	12/8/2021 10:21	12/8/2021 10:21	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1	U	12/8/2021 10:21	12/8/2021 10:21	RLD	EPA 8260C

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



CT LAB#: 1080785 Sample Description:PW-07

DNR License/Well #: 04189/054

Sampled: 12/1/2021 15:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1	U		12/8/2021 10:21	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1	U		12/8/2021 10:21	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1	U		12/8/2021 10:21	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1	U		12/8/2021 10:21	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1	U		12/8/2021 10:21	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1	U		12/8/2021 10:21	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1	U		12/8/2021 10:21	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1	U		12/8/2021 10:21	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1	U		12/8/2021 10:21	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1	U		12/8/2021 10:21	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1	U		12/8/2021 10:21	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1	U		12/8/2021 10:21	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1	U		12/8/2021 10:21	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1	U		12/8/2021 10:21	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1	U		12/8/2021 10:21	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1	U		12/8/2021 10:21	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1	U		12/8/2021 10:21	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1	U		12/8/2021 10:21	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1	U		12/8/2021 10:21	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1	U		12/8/2021 10:21	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1	U		12/8/2021 10:21	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1	U		12/8/2021 10:21	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1	U		12/8/2021 10:21	RLD	EPA 8260C
cis-1,2-Dichloroethene	5.4	ug/L	0.023	0.10	1			12/8/2021 10:21	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1	U		12/8/2021 10:21	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1	U		12/8/2021 10:21	RLD	EPA 8260C

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

CT LAB#: 1080785 Sample Description:PW-07

DNR License/Well #: 04189/054

Sampled: 12/1/2021 15:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromomethane	<0.018	ug/L	0.018	0.10	1	U		12/8/2021 10:21	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1	U		12/8/2021 10:21	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1	U		12/8/2021 10:21	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1	U		12/8/2021 10:21	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1	U		12/8/2021 10:21	RLD	EPA 8260C
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1	U		12/8/2021 10:21	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1	U		12/8/2021 10:21	RLD	EPA 8260C
Methyl tert-butyl ether	0.67	ug/L	0.014	0.10	1			12/8/2021 10:21	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1	U		12/8/2021 10:21	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1	U		12/8/2021 10:21	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1	U		12/8/2021 10:21	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1	U		12/8/2021 10:21	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1	U		12/8/2021 10:21	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1	U		12/8/2021 10:21	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1	U		12/8/2021 10:21	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1	U		12/8/2021 10:21	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1	U		12/8/2021 10:21	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1	U		12/8/2021 10:21	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1	U		12/8/2021 10:21	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1	U		12/8/2021 10:21	RLD	EPA 8260C
trans-1,2-Dichloroethene	0.21	ug/L	0.020	0.10	1			12/8/2021 10:21	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1	U		12/8/2021 10:21	RLD	EPA 8260C
Trichloroethene	0.039	ug/L	0.022	0.10	1	J		12/8/2021 10:21	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1	U		12/8/2021 10:21	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1	U		12/8/2021 10:21	RLD	EPA 8260C
Vinyl chloride	0.038	ug/L	0.019	0.10	1	J		12/8/2021 10:21	RLD	EPA 8260C

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

CT LAB#: 1080785	Sample Description:PW-07	DNR License/Well #: 04189/054	Sampled: 12/1/2021 15:30
------------------	--------------------------	-------------------------------	--------------------------

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,4-Dioxane	0.46	ug/L	0.40	1.4	1	J	12/6/2021 12:00	12/9/2021 12:58	JJY	EPA 8270D-SIM

Notes: All LOD/LOQs are adjusted to reflect dilution, percent solids, and any differences in the sample weight / volume as compared to standard amounts.
"U" qualifier indicates concentration of analyte was below the detection limit. "J" qualifier indicates an estimated value between the LOD and LOQ.

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.

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

Current CT Laboratories Certifications

Wisconsin (WDNR) Chemistry ID# 157066030

Wisconsin (DATCP) Bacteriology ID# 289

Louisiana NELAP (primary) ID# 115843

Illinois NELAP Lab ID# 200073

Kansas NELAP Lab ID# E-10368

Virginia NELAP Lab ID# 460203

ISO/IEC 17025-2005 A2LA Cert # 3806.01

DoD-ELAP A2LA 3806.01

Notice: This form may be used to comply with the requirements of s. NR 716.14 (2), Wis. Adm. Code; however, use of this form is not required. An alternate format may be used. The rule requires that notification be provided to 1) property owners when someone else is conducting the sampling, 2) to occupants of property belonging to the responsible person, and 3) to owners and occupants of property that does not belong to the responsible person but has been affected by contamination arising on his or her property. Notification is required within 10 business days of receiving the sample results. Personal information collected will be used for program administration and may be provided to requesters to the extent required by Wisconsin's Open Records law [ss. 19.31-19.39, Wis. Stats.].

NOTE: Under s. NR 716.14, Wis. Adm. Code, the responsible party must also submit sample results and other required information to the DNR. We recommend that copies of the sample results notifications be included with that submittal, along with all attachments. Using the same format used for data presentation for a closure request may be helpful to all parties. See s. NR 716.14, Wis. Adm. Code for the full list of information to be submitted to the DNR.

Notification of Property Owners and Occupants:

This notification form has been provided to you in order to provide the results of environmental sampling that has been conducted on property that you own or occupy. Samples were collected in accordance with the methods identified in the site investigation work plan, in accordance with s. NR. 716.09 and 716.13, Wis. Adm. Code. This sampling was conducted as a result of contamination originating at the following location.

Site Information

Site Name		DNR ID # (BRRTS #)	
Oconomowoc Electroplating Company, Inc. (OECI) Superfund Site		02-14-000905	
Address	City	State	ZIP Code
W2573 Oak Street	Ashippun	WI	53003

Responsible Party

The person(s) responsible for completing this environmental investigation is:

Property Owner

Oconomowoc Electroplating Company, Inc.

Address	City	State	ZIP Code
W2573 Oak Street	Ashippun	WI	53003
Contact Person	Phone Number (include area code)		
Gwen Saliars (WDNR PM), William Murray (US EPA Remedial PM)	(920) 510-4343		

Person or company that collected samples

Hyde Environmental, Inc.

Sample Results (Results Attached)

Reason for Sampling: Routine Other (define) _____

The contaminants that have been identified at this time on property that you own or occupy include:

Contaminant	In Soil?		In Groundwater?	
	Yes	No	Yes	No
Gasoline	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Diesel or Fuel Oil	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Solvents	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Heavy Metals	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Pesticides	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Other: _____	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

This sampling event included sampling of a drinking water well. <input checked="" type="radio"/> Yes <input type="radio"/> No
If yes, the sampled drinking water well had detectable contaminants. <input checked="" type="radio"/> Yes <input type="radio"/> No

Contaminants in Vapor

	Yes	No
	Indoor Air	<input type="radio"/>
Sub-slab	<input type="radio"/>	<input checked="" type="radio"/>
Exterior Soil Gas	<input type="radio"/>	<input checked="" type="radio"/>

Site Investigation Sample Results Notification

Form 4400-249 (R 03/14)

Page 2 of 2

Attached are:

- A map that shows the locations from which samples were collected. (The map needs to meet the requirements of s. NR 716.15 (4), Wis. Adm. Code.)
- A data table with specific contaminant levels at each sample location and whether or not the sample results exceed state standards.
- A copy of the laboratory results.

You are not identified as the person that is responsible for this contamination. However, your cooperation is important. Property owners may become legally responsible for contamination if they do not allow access to the person that is responsible so that person may complete the environmental investigation and clean up activities.

Option for written exemption: You have the option of requesting a written liability exemption from the DNR for contamination that originated on another property, or on property that you lease. To do this, you must present an adequate environmental assessment of your property and pay a \$700 fee for review of this information. If you are interested in this option, please see DNR publication # RR 589, "When Contamination Crosses a Property Line - Rights and Responsibilities of Property Owners", available at: dnr.wi.gov/files/PDF/pubs/rr/rr589.pdf.

Contact Information

Please address questions regarding this notification, or requests for additional information to the contact person listed above, or to one of the following contacts:

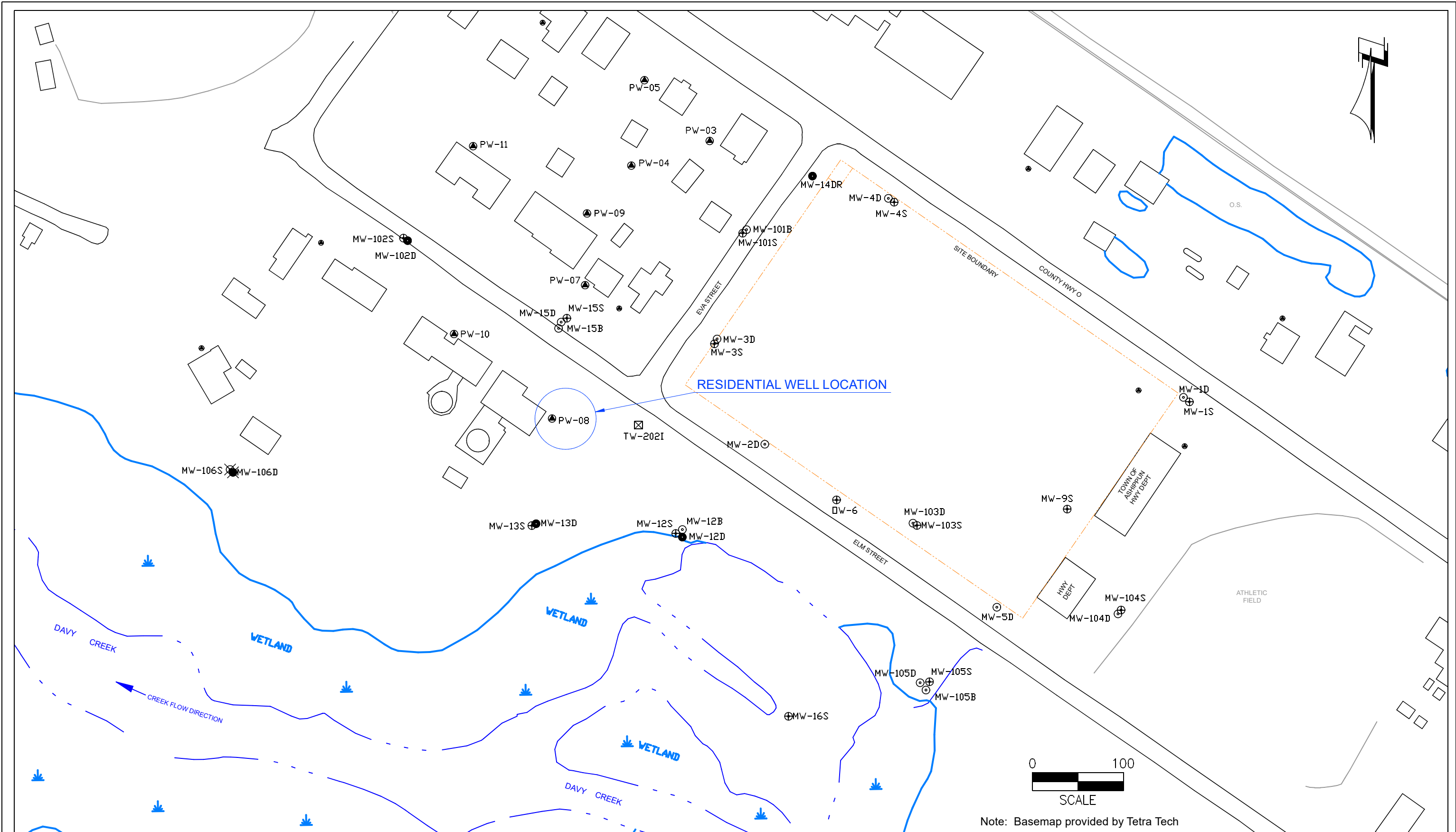
Environmental Consultant

Company Name		Contact Person Last Name	First Name	
Hyde Environmental, Inc.		Pagels	Corey	
Address		City	State	ZIP Code
W175 N11163 Stonewood Drive, Suite 110		Germantown	WI	53022
Phone # (inc. area code)	Email			
(262) 250-1226	cpagels@hyde-env.com			

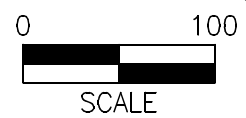
Select which agency: Natural Resources Agriculture, Trade and Consumer Protection

State of Wisconsin Department of Natural Resources

Contact Person Last Name		First Name	Phone # (inc. area code)	
Saliars		Gwen	(920) 510-4343	
Address		City	State	ZIP Code
625 E County Road Y, Suite 700		Oshkosh	WI	54901
Email				
gwen.saliars@wisconsin.gov				



RESIDENTIAL WELL LOCATION



Note: Basemap provided by Tetra Tech

⊕ MW-105B	BEDROCK MONITORING WELL	● PW-11	RESIDENTIAL WELL
● MW-105D	DEEP UNCONSOLIDATED MONITORING WELL	● MW-106D	DEEP UNCONSOLIDATED SENTINEL WELL
⊕ MW-105S	SHALLOW UNCONSOLIDATED MONITORING WELL	⊗ MW-106S	SHALLOW UNCONSOLIDATED SENTINEL WELL
---	FORMER OECI SITE BOUNDARY		



Figure 1
SITE MAP
 Oconomowoc Electroplating Company, Inc.
 Ashippun, WI

GROUNDWATER ANALYTICAL RESULTS SUMMARY

W2603 Elm Street, Ashippun, WI

Sampled December 1, 2021

Parameters (ug/L)	<i>NR 140 Groundwater Quality Health Standards</i>		PW-08
	<i>ES</i>	<i>PAL</i>	
VOCs			
cis-1,2-Dichloroethene	70	7	3.1
trans-1,2-Dichloroethene	100	20	0.12
Methyl tert-butyl ether (MTBE)	60	12	0.80
Trichloroethene	5	0.5	0.074 J
Vinyl chloride	0.2	0.02	0.041 J
Diisopropyl ether	--	--	0.052 J
1,4-Dioxane	3	0.3	0.44 J

Notes:

PAL = Preventive Action Limit

ES = Enforcement Standard

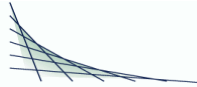
Italicized values attain or exceed the NR 140 PAL

-- = No standard

ug/L = micrograms per liter

< = less than the laboratory method detection limit (MDL)

J = Result is less than the laboratory Reporting Limit but > or = to the laboratory MDL



ANALYTICAL REPORT

HYDE ENVIRONMENTAL, INC.
 JIM LINDEMANN
 W175 N11163 STONEWOOD DRIVE
 SUITE 110
 GERMANTOWN, WI 53022-6501

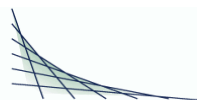
Project Name: OCONOMOWOC ELECTROPLATING
 Project Phase: ASHIPPUN, WI
 Project #:
 Folder #: 166239
 Purchase Order #:
 Contract #: 3451

Page 1 of 5
 Arrival Temperature: 4.5
 Report Date: 12/22/2021
 Date Received: 12/3/2021
 Reprint Date: 12/22/2021

CT LAB#: 1080787	Sample Description: PW-08	DNR License/Well #: 04189/055	Sampled: 12/1/2021 16:15
------------------	---------------------------	-------------------------------	--------------------------

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1	U	12/8/2021 11:19	12/8/2021 11:19	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1	U	12/8/2021 11:19	12/8/2021 11:19	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1	U	12/8/2021 11:19	12/8/2021 11:19	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1	U	12/8/2021 11:19	12/8/2021 11:19	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1	U	12/8/2021 11:19	12/8/2021 11:19	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1	U	12/8/2021 11:19	12/8/2021 11:19	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1	U	12/8/2021 11:19	12/8/2021 11:19	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1	U	12/8/2021 11:19	12/8/2021 11:19	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1	U	12/8/2021 11:19	12/8/2021 11:19	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1	U	12/8/2021 11:19	12/8/2021 11:19	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1	U	12/8/2021 11:19	12/8/2021 11:19	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1	U	12/8/2021 11:19	12/8/2021 11:19	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1	U	12/8/2021 11:19	12/8/2021 11:19	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1	U	12/8/2021 11:19	12/8/2021 11:19	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1	U	12/8/2021 11:19	12/8/2021 11:19	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1	U	12/8/2021 11:19	12/8/2021 11:19	RLD	EPA 8260C

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



CT LAB#: 1080787 Sample Description:PW-08

DNR License/Well #: 04189/055

Sampled: 12/1/2021 16:15

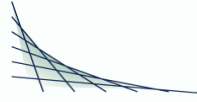
Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1	U		12/8/2021 11:19	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1	U		12/8/2021 11:19	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1	U		12/8/2021 11:19	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1	U		12/8/2021 11:19	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1	U		12/8/2021 11:19	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1	U		12/8/2021 11:19	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1	U		12/8/2021 11:19	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1	U		12/8/2021 11:19	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1	U		12/8/2021 11:19	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1	U		12/8/2021 11:19	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1	U		12/8/2021 11:19	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1	U		12/8/2021 11:19	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1	U		12/8/2021 11:19	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1	U		12/8/2021 11:19	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1	U		12/8/2021 11:19	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1	U		12/8/2021 11:19	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1	U		12/8/2021 11:19	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1	U		12/8/2021 11:19	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1	U		12/8/2021 11:19	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1	U		12/8/2021 11:19	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1	U		12/8/2021 11:19	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1	U		12/8/2021 11:19	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1	U		12/8/2021 11:19	RLD	EPA 8260C
cis-1,2-Dichloroethene	3.1	ug/L	0.023	0.10	1			12/8/2021 11:19	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1	U		12/8/2021 11:19	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1	U		12/8/2021 11:19	RLD	EPA 8260C

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

CT LAB#: 1080787	Sample Description:PW-08	DNR License/Well #: 04189/055	Sampled: 12/1/2021 16:15
------------------	--------------------------	-------------------------------	--------------------------

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromomethane	<0.018	ug/L	0.018	0.10	1	U		12/8/2021 11:19	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1	U		12/8/2021 11:19	RLD	EPA 8260C
Diisopropyl ether	0.052	ug/L	0.02	0.1	1	J		12/8/2021 11:19	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1	U		12/8/2021 11:19	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1	U		12/8/2021 11:19	RLD	EPA 8260C
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1	U		12/8/2021 11:19	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1	U		12/8/2021 11:19	RLD	EPA 8260C
Methyl tert-butyl ether	0.80	ug/L	0.014	0.10	1			12/8/2021 11:19	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1	U		12/8/2021 11:19	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1	U		12/8/2021 11:19	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1	U		12/8/2021 11:19	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1	U		12/8/2021 11:19	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1	U		12/8/2021 11:19	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1	U		12/8/2021 11:19	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1	U		12/8/2021 11:19	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1	U		12/8/2021 11:19	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1	U		12/8/2021 11:19	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1	U		12/8/2021 11:19	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1	U		12/8/2021 11:19	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1	U		12/8/2021 11:19	RLD	EPA 8260C
trans-1,2-Dichloroethene	0.12	ug/L	0.020	0.10	1			12/8/2021 11:19	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1	U		12/8/2021 11:19	RLD	EPA 8260C
Trichloroethene	0.074	ug/L	0.022	0.10	1	J		12/8/2021 11:19	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1	U		12/8/2021 11:19	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1	U		12/8/2021 11:19	RLD	EPA 8260C
Vinyl chloride	0.041	ug/L	0.019	0.10	1	J		12/8/2021 11:19	RLD	EPA 8260C

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



CT LAB#: 1080787 Sample Description:PW-08

DNR License/Well #: 04189/055

Sampled: 12/1/2021 16:15

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,4-Dioxane	0.44	ug/L	0.40	1.4	1	J	12/6/2021 12:00	12/9/2021 13:39	JJY	EPA 8270D-SIM

Notes: All LOD/LOQs are adjusted to reflect dilution, percent solids, and any differences in the sample weight / volume as compared to standard amounts.
"U" qualifier indicates concentration of analyte was below the detection limit. "J" qualifier indicates an estimated value between the LOD and LOQ.

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.

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

Current CT Laboratories Certifications

Wisconsin (WDNR) Chemistry ID# 157066030

Wisconsin (DATCP) Bacteriology ID# 289

Louisiana NELAP (primary) ID# 115843

Illinois NELAP Lab ID# 200073

Kansas NELAP Lab ID# E-10368

Virginia NELAP Lab ID# 460203

ISO/IEC 17025-2005 A2LA Cert # 3806.01

DoD-ELAP A2LA 3806.01

Notice: This form may be used to comply with the requirements of s. NR 716.14 (2), Wis. Adm. Code; however, use of this form is not required. An alternate format may be used. The rule requires that notification be provided to 1) property owners when someone else is conducting the sampling, 2) to occupants of property belonging to the responsible person, and 3) to owners and occupants of property that does not belong to the responsible person but has been affected by contamination arising on his or her property. Notification is required within 10 business days of receiving the sample results. Personal information collected will be used for program administration and may be provided to requesters to the extent required by Wisconsin's Open Records law [ss. 19.31-19.39, Wis. Stats.].

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Notification of Property Owners and Occupants:

This notification form has been provided to you in order to provide the results of environmental sampling that has been conducted on property that you own or occupy. Samples were collected in accordance with the methods identified in the site investigation work plan, in accordance with s. NR. 716.09 and 716.13, Wis. Adm. Code. This sampling was conducted as a result of contamination originating at the following location.

Site Information			
Site Name		DNR ID # (BRRTS #)	
Oconomowoc Electroplating Company, Inc. (OECI) Superfund Site		02-14-000905	
Address	City	State	ZIP Code
W2573 Oak Street	Ashippun	WI	53003

Responsible Party

The person(s) responsible for completing this environmental investigation is:

Property Owner			
Oconomowoc Electroplating Company, Inc.			
Address	City	State	ZIP Code
W2573 Oak Street	Ashippun	WI	53003
Contact Person	Phone Number (include area code)		
Gwen Saliars (WDNR PM), William Murray (US EPA Remedial PM)	(920) 510-4343		

Person or company that collected samples

Hyde Environmental, Inc.

Sample Results (Results Attached)

Reason for Sampling: Routine Other (define) _____

The contaminants that have been identified at this time on property that you own or occupy include:

Contaminant	In Soil?		In Groundwater?	
	Yes	No	Yes	No
Gasoline	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Diesel or Fuel Oil	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Solvents	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Heavy Metals	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Pesticides	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Other: _____	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

This sampling event included sampling of a drinking water well. <input checked="" type="radio"/> Yes <input type="radio"/> No
If yes, the sampled drinking water well had detectable contaminants. <input checked="" type="radio"/> Yes <input type="radio"/> No

	Contaminants in Vapor	
	Yes	No
Indoor Air	<input type="radio"/>	<input checked="" type="radio"/>
Sub-slab	<input type="radio"/>	<input checked="" type="radio"/>
Exterior Soil Gas	<input type="radio"/>	<input checked="" type="radio"/>

Site Investigation Sample Results Notification

Form 4400-249 (R 03/14)

Page 2 of 2

Attached are:

- A map that shows the locations from which samples were collected. (The map needs to meet the requirements of s. NR 716.15 (4), Wis. Adm. Code.)
- A data table with specific contaminant levels at each sample location and whether or not the sample results exceed state standards.
- A copy of the laboratory results.

You are not identified as the person that is responsible for this contamination. However, your cooperation is important. Property owners may become legally responsible for contamination if they do not allow access to the person that is responsible so that person may complete the environmental investigation and clean up activities.

Option for written exemption: You have the option of requesting a written liability exemption from the DNR for contamination that originated on another property, or on property that you lease. To do this, you must present an adequate environmental assessment of your property and pay a \$700 fee for review of this information. If you are interested in this option, please see DNR publication # RR 589, "When Contamination Crosses a Property Line - Rights and Responsibilities of Property Owners", available at: dnr.wi.gov/files/PDF/pubs/rr/rr589.pdf.

Contact Information

Please address questions regarding this notification, or requests for additional information to the contact person listed above, or to one of the following contacts:

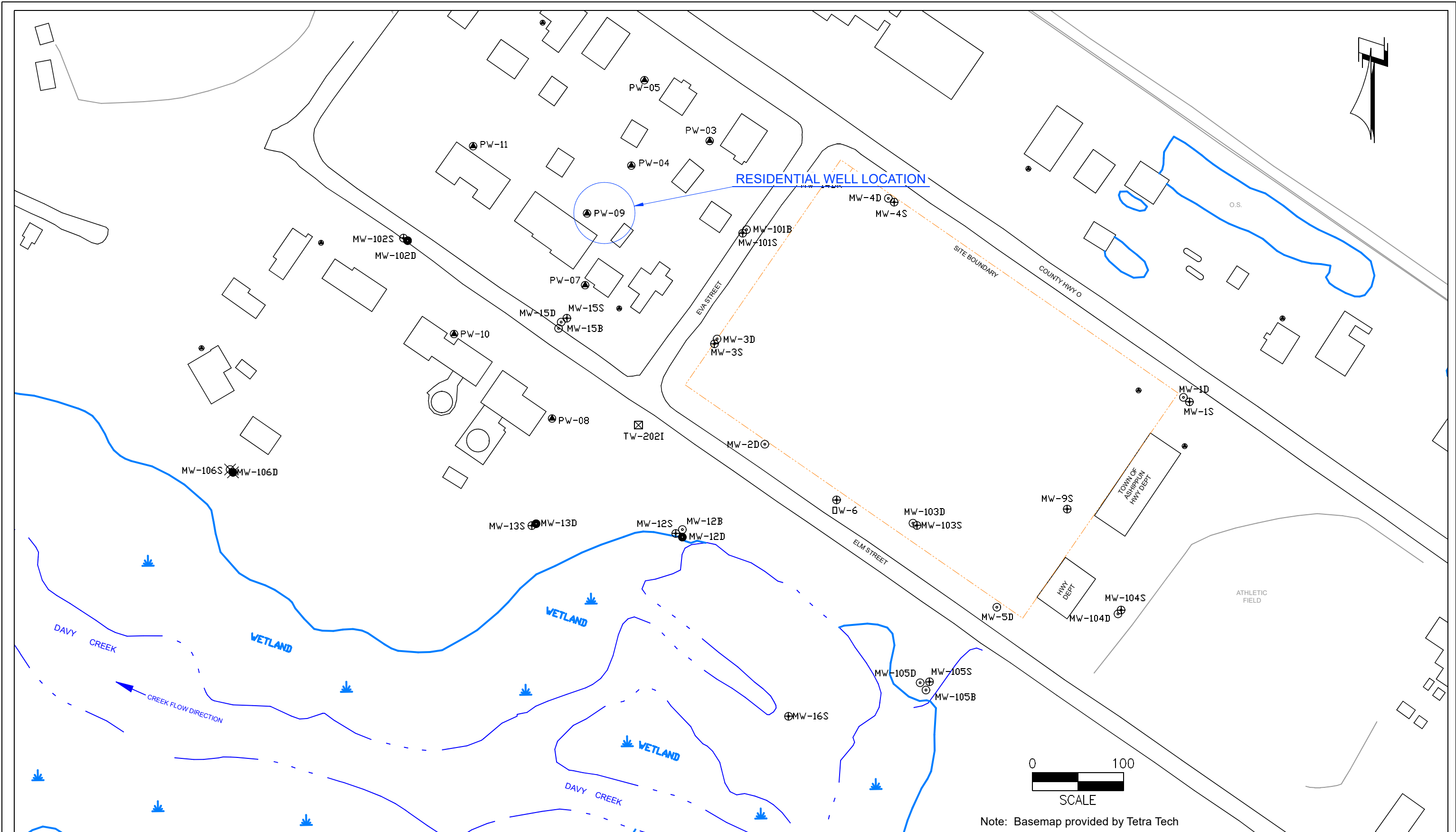
Environmental Consultant

Company Name		Contact Person Last Name	First Name	
Hyde Environmental, Inc.		Pagels	Corey	
Address		City	State	ZIP Code
W175 N11163 Stonewood Drive, Suite 110		Germantown	WI	53022
Phone # (inc. area code)	Email			
(262) 250-1226	cpagels@hyde-env.com			

Select which agency: Natural Resources Agriculture, Trade and Consumer Protection

State of Wisconsin Department of Natural Resources

Contact Person Last Name	First Name	Phone # (inc. area code)	
Saliars	Gwen	(920) 510-4343	
Address	City	State	ZIP Code
625 E County Road Y, Suite 700	Oshkosh	WI	54901
Email			
gwen.saliars@wisconsin.gov			



RESIDENTIAL WELL LOCATION

⊕ MW-105B	BEDROCK MONITORING WELL	● PW-11	RESIDENTIAL WELL
● MW-105D	DEEP UNCONSOLIDATED MONITORING WELL	● MW-106D	DEEP UNCONSOLIDATED SENTINEL WELL
⊕ MW-105S	SHALLOW UNCONSOLIDATED MONITORING WELL	⊗ MW-106S	SHALLOW UNCONSOLIDATED SENTINEL WELL
-----	FORMER OECI SITE BOUNDARY		



Figure 1
SITE MAP
 Oconomowoc Electroplating Company, Inc.
 Ashippun, WI

GROUNDWATER ANALYTICAL RESULTS SUMMARY

W2606 Elm Street, Ashippun, WI

Sampled December 1, 2021

Parameters (ug/L)	NR 140 Groundwater Quality Health Standards		PW-09
	ES	PAL	
VOCs			
1,2-Dichloroethane	5	0.5	0.040 J
cis-1,2-Dichloroethene	70	7	7.0
trans-1,2-Dichloroethene	100	20	0.27
Methyl tert-butyl ether (MTBE)	60	12	0.80
Trichloroethene	5	0.5	0.059 J
Vinyl chloride	0.2	0.02	0.037 J
Diisopropyl ether	--	--	0.028 J
1,4-Dioxane	3	0.3	< 0.40

Notes:

PAL = Preventive Action Limit

ES = Enforcement Standard

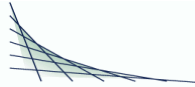
Italicized values attain or exceed the NR 140 PAL

-- = No standard

ug/L = micrograms per liter

< = less than the laboratory method detection limit (MDL)

J = Result is less than the laboratory Reporting Limit but > or = to the laboratory MDL



ANALYTICAL REPORT

HYDE ENVIRONMENTAL, INC.
 JIM LINDEMANN
 W175 N11163 STONEWOOD DRIVE
 SUITE 110
 GERMANTOWN, WI 53022-6501

Project Name: OCONOMOWOC ELECTROPLATING
 Project Phase: ASHIPUN, WI
 Project #:
 Folder #: 166239
 Purchase Order #:
 Contract #: 3451

Page 1 of 5
 Arrival Temperature: 4.5
 Report Date: 12/22/2021
 Date Received: 12/3/2021
 Reprint Date: 12/22/2021

CT LAB#: 1080786	Sample Description: PW-09	DNR License/Well #: 04189/056	Sampled: 12/1/2021 15:45
------------------	---------------------------	-------------------------------	--------------------------

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1	U	12/8/2021 10:50	12/8/2021 10:50	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1	U	12/8/2021 10:50	12/8/2021 10:50	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1	U	12/8/2021 10:50	12/8/2021 10:50	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1	U	12/8/2021 10:50	12/8/2021 10:50	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1	U	12/8/2021 10:50	12/8/2021 10:50	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1	U	12/8/2021 10:50	12/8/2021 10:50	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1	U	12/8/2021 10:50	12/8/2021 10:50	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1	U	12/8/2021 10:50	12/8/2021 10:50	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1	U	12/8/2021 10:50	12/8/2021 10:50	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1	U	12/8/2021 10:50	12/8/2021 10:50	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1	U	12/8/2021 10:50	12/8/2021 10:50	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1	U	12/8/2021 10:50	12/8/2021 10:50	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1	U	12/8/2021 10:50	12/8/2021 10:50	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1	U	12/8/2021 10:50	12/8/2021 10:50	RLD	EPA 8260C
1,2-Dichloroethane	0.040	ug/L	0.017	0.10	1	J	12/8/2021 10:50	12/8/2021 10:50	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1	U	12/8/2021 10:50	12/8/2021 10:50	RLD	EPA 8260C

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

CT LAB#: 1080786	Sample Description:PW-09	DNR License/Well #: 04189/056	Sampled: 12/1/2021 15:45
------------------	--------------------------	-------------------------------	--------------------------

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1	U		12/8/2021 10:50	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1	U		12/8/2021 10:50	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1	U		12/8/2021 10:50	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1	U		12/8/2021 10:50	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1	U		12/8/2021 10:50	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1	U		12/8/2021 10:50	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1	U		12/8/2021 10:50	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1	U		12/8/2021 10:50	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1	U		12/8/2021 10:50	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1	U		12/8/2021 10:50	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1	U		12/8/2021 10:50	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1	U		12/8/2021 10:50	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1	U		12/8/2021 10:50	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1	U		12/8/2021 10:50	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1	U		12/8/2021 10:50	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1	U		12/8/2021 10:50	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1	U		12/8/2021 10:50	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1	U		12/8/2021 10:50	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1	U		12/8/2021 10:50	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1	U		12/8/2021 10:50	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1	U		12/8/2021 10:50	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1	U		12/8/2021 10:50	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1	U		12/8/2021 10:50	RLD	EPA 8260C
cis-1,2-Dichloroethene	7.0	ug/L	0.023	0.10	1			12/8/2021 10:50	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1	U		12/8/2021 10:50	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1	U		12/8/2021 10:50	RLD	EPA 8260C

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

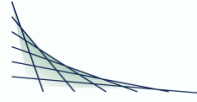
CT LAB#: 1080786 Sample Description:PW-09

DNR License/Well #: 04189/056

Sampled: 12/1/2021 15:45

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromomethane	<0.018	ug/L	0.018	0.10	1	U		12/8/2021 10:50	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1	U		12/8/2021 10:50	RLD	EPA 8260C
Diisopropyl ether	0.028	ug/L	0.02	0.1	1	J		12/8/2021 10:50	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1	U		12/8/2021 10:50	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1	U		12/8/2021 10:50	RLD	EPA 8260C
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1	U		12/8/2021 10:50	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1	U		12/8/2021 10:50	RLD	EPA 8260C
Methyl tert-butyl ether	0.80	ug/L	0.014	0.10	1			12/8/2021 10:50	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1	U		12/8/2021 10:50	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1	U		12/8/2021 10:50	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1	U		12/8/2021 10:50	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1	U		12/8/2021 10:50	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1	U		12/8/2021 10:50	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1	U		12/8/2021 10:50	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1	U		12/8/2021 10:50	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1	U		12/8/2021 10:50	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1	U		12/8/2021 10:50	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1	U		12/8/2021 10:50	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1	U		12/8/2021 10:50	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1	U		12/8/2021 10:50	RLD	EPA 8260C
trans-1,2-Dichloroethene	0.27	ug/L	0.020	0.10	1			12/8/2021 10:50	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1	U		12/8/2021 10:50	RLD	EPA 8260C
Trichloroethene	0.059	ug/L	0.022	0.10	1	J		12/8/2021 10:50	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1	U		12/8/2021 10:50	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1	U		12/8/2021 10:50	RLD	EPA 8260C
Vinyl chloride	0.037	ug/L	0.019	0.10	1	J		12/8/2021 10:50	RLD	EPA 8260C

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



CT LAB#: 1080786 Sample Description:PW-09

DNR License/Well #: 04189/056

Sampled: 12/1/2021 15:45

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,4-Dioxane	<0.40	ug/L	0.40	1.4	1	U	12/6/2021 12:00	12/9/2021 13:19	JJY	EPA 8270D-SIM

Notes: All LOD/LOQs are adjusted to reflect dilution, percent solids, and any differences in the sample weight / volume as compared to standard amounts.
"U" qualifier indicates concentration of analyte was below the detection limit. "J" qualifier indicates an estimated value between the LOD and LOQ.

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.

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

Current CT Laboratories Certifications

Wisconsin (WDNR) Chemistry ID# 157066030

Wisconsin (DATCP) Bacteriology ID# 289

Louisiana NELAP (primary) ID# 115843

Illinois NELAP Lab ID# 200073

Kansas NELAP Lab ID# E-10368

Virginia NELAP Lab ID# 460203

ISO/IEC 17025-2005 A2LA Cert # 3806.01

DoD-ELAP A2LA 3806.01

Notice: This form may be used to comply with the requirements of s. NR 716.14 (2), Wis. Adm. Code; however, use of this form is not required. An alternate format may be used. The rule requires that notification be provided to 1) property owners when someone else is conducting the sampling, 2) to occupants of property belonging to the responsible person, and 3) to owners and occupants of property that does not belong to the responsible person but has been affected by contamination arising on his or her property. Notification is required within 10 business days of receiving the sample results. Personal information collected will be used for program administration and may be provided to requesters to the extent required by Wisconsin's Open Records law [ss. 19.31-19.39, Wis. Stats.].

NOTE: Under s. NR 716.14, Wis. Adm. Code, the responsible party must also submit sample results and other required information to the DNR. We recommend that copies of the sample results notifications be included with that submittal, along with all attachments. Using the same format used for data presentation for a closure request may be helpful to all parties. See s. NR 716.14, Wis. Adm. Code for the full list of information to be submitted to the DNR.

Notification of Property Owners and Occupants:

This notification form has been provided to you in order to provide the results of environmental sampling that has been conducted on property that you own or occupy. Samples were collected in accordance with the methods identified in the site investigation work plan, in accordance with s. NR. 716.09 and 716.13, Wis. Adm. Code. This sampling was conducted as a result of contamination originating at the following location.

Site Information			
Site Name		DNR ID # (BRRTS #)	
Oconomowoc Electroplating Company, Inc. (OECI) Superfund Site		02-14-000905	
Address	City	State	ZIP Code
W2573 Oak Street	Ashippun	WI	53003

Responsible Party

The person(s) responsible for completing this environmental investigation is:

Property Owner			
Oconomowoc Electroplating Company, Inc.			
Address	City	State	ZIP Code
W2573 Oak Street	Ashippun	WI	53003
Contact Person	Phone Number (include area code)		
Gwen Saliars (WDNR PM), William Murray (US EPA Remedial PM)	(920) 510-4343		

Person or company that collected samples

Hyde Environmental, Inc.

Sample Results (Results Attached)

Reason for Sampling: Routine Other (define) _____

The contaminants that have been identified at this time on property that you own or occupy include:

Contaminant	In Soil?		In Groundwater?	
	Yes	No	Yes	No
Gasoline	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Diesel or Fuel Oil	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Solvents	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Heavy Metals	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Pesticides	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Other: _____	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

This sampling event included sampling of a drinking water well. <input checked="" type="radio"/> Yes <input type="radio"/> No
If yes, the sampled drinking water well had detectable contaminants. <input checked="" type="radio"/> Yes <input type="radio"/> No

	Contaminants in Vapor	
	Yes	No
Indoor Air	<input type="radio"/>	<input checked="" type="radio"/>
Sub-slab	<input type="radio"/>	<input checked="" type="radio"/>
Exterior Soil Gas	<input type="radio"/>	<input checked="" type="radio"/>

Site Investigation Sample Results Notification

Form 4400-249 (R 03/14)

Page 2 of 2

Attached are:

- A map that shows the locations from which samples were collected. (The map needs to meet the requirements of s. NR 716.15 (4), Wis. Adm. Code.)
- A data table with specific contaminant levels at each sample location and whether or not the sample results exceed state standards.
- A copy of the laboratory results.

You are not identified as the person that is responsible for this contamination. However, your cooperation is important. Property owners may become legally responsible for contamination if they do not allow access to the person that is responsible so that person may complete the environmental investigation and clean up activities.

Option for written exemption: You have the option of requesting a written liability exemption from the DNR for contamination that originated on another property, or on property that you lease. To do this, you must present an adequate environmental assessment of your property and pay a \$700 fee for review of this information. If you are interested in this option, please see DNR publication # RR 589, "When Contamination Crosses a Property Line - Rights and Responsibilities of Property Owners", available at: dnr.wi.gov/files/PDF/pubs/rr/rr589.pdf.

Contact Information

Please address questions regarding this notification, or requests for additional information to the contact person listed above, or to one of the following contacts:

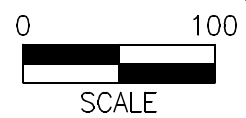
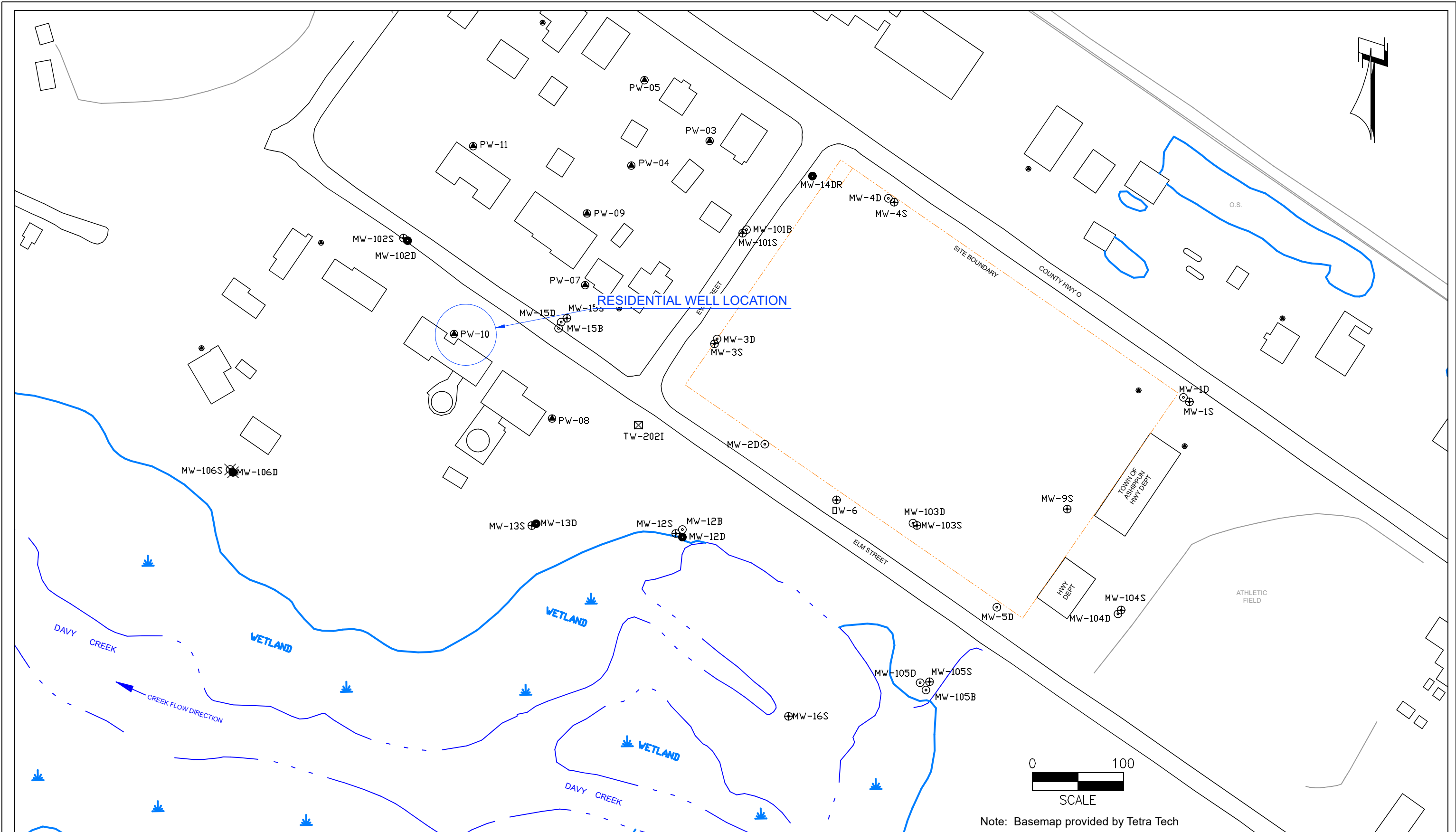
Environmental Consultant

Company Name		Contact Person Last Name	First Name	
Hyde Environmental, Inc.		Pagels	Corey	
Address		City	State	ZIP Code
W175 N11163 Stonewood Drive, Suite 110		Germantown	WI	53022
Phone # (inc. area code)	Email			
(262) 250-1226	cpagels@hyde-env.com			

Select which agency: Natural Resources Agriculture, Trade and Consumer Protection

State of Wisconsin Department of Natural Resources

Contact Person Last Name	First Name	Phone # (inc. area code)	
Saliars	Gwen	(920) 510-4343	
Address	City	State	ZIP Code
625 E County Road Y, Suite 700	Oshkosh	WI	54901
Email			
gwen.saliars@wisconsin.gov			



Note: Basemap provided by Tetra Tech

⊕ MW-105B	BEDROCK MONITORING WELL	● PW-11	RESIDENTIAL WELL
● MW-105D	DEEP UNCONSOLIDATED MONITORING WELL	● MW-106D	DEEP UNCONSOLIDATED SENTINEL WELL
⊕ MW-105S	SHALLOW UNCONSOLIDATED MONITORING WELL	⊗ MW-106S	SHALLOW UNCONSOLIDATED SENTINEL WELL
-----	FORMER OECl SITE BOUNDARY		



Figure 1
SITE MAP
 Oconomowoc Electroplating Company, Inc.
 Ashippun, WI

GROUNDWATER ANALYTICAL RESULTS SUMMARY

W2607 Elm Street, Ashippun, WI

Sampled December 1, 2021

Parameters (ug/L)	<i>NR 140 Groundwater Quality Health Standards</i>		
	<i>ES</i>	<i>PAL</i>	PW-10
VOCs			
cis-1,2-Dichloroethene	70	7	0.24
Methyl tert-butyl ether (MTBE)	60	12	0.58
Diisopropyl ether	--	--	0.032 J
1,4-Dioxane	3	0.3	<i>0.40 J</i>

Notes:

PAL = Preventive Action Limit

ES = Enforcement Standard

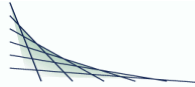
Italicized values attain or exceed the NR 140 PAL

-- = No standard

ug/L = micrograms per liter

< = less than the laboratory method detection limit (MDL)

J = Result is less than the laboratory Reporting Limit but > or = to the laboratory MDL



ANALYTICAL REPORT

HYDE ENVIRONMENTAL, INC.
 JIM LINDEMANN
 W175 N11163 STONEWOOD DRIVE
 SUITE 110
 GERMANTOWN, WI 53022-6501

Project Name: OCONOMOWOC ELECTROPLATING
 Project Phase: ASHIPUN, WI
 Project #:
 Folder #: 166239
 Purchase Order #:
 Contract #: 3451

Page 1 of 5
 Arrival Temperature: 4.5
 Report Date: 12/22/2021
 Date Received: 12/3/2021
 Reprint Date: 12/22/2021

CT LAB#: 1080790	Sample Description: PW-10	DNR License/Well #: 04189/057	Sampled: 12/1/2021 15:15
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1	U	12/8/2021 12:45	12:45	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1	U	12/8/2021 12:45	12:45	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1	U	12/8/2021 12:45	12:45	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1	U	12/8/2021 12:45	12:45	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1	U	12/8/2021 12:45	12:45	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1	U	12/8/2021 12:45	12:45	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1	U	12/8/2021 12:45	12:45	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1	U	12/8/2021 12:45	12:45	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1	U	12/8/2021 12:45	12:45	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1	U	12/8/2021 12:45	12:45	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1	U	12/8/2021 12:45	12:45	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1	U	12/8/2021 12:45	12:45	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1	U	12/8/2021 12:45	12:45	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1	U	12/8/2021 12:45	12:45	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1	U	12/8/2021 12:45	12:45	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1	U	12/8/2021 12:45	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#: 1080790 Sample Description:PW-10

DNR License/Well #: 04189/057

Sampled: 12/1/2021 15:15

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1	U		12/8/2021 12:45	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1	U		12/8/2021 12:45	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1	U		12/8/2021 12:45	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1	U		12/8/2021 12:45	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1	U		12/8/2021 12:45	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1	U		12/8/2021 12:45	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1	U		12/8/2021 12:45	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1	U		12/8/2021 12:45	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1	U		12/8/2021 12:45	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1	U		12/8/2021 12:45	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1	U		12/8/2021 12:45	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1	U		12/8/2021 12:45	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1	U		12/8/2021 12:45	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1	U		12/8/2021 12:45	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1	U		12/8/2021 12:45	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1	U		12/8/2021 12:45	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1	U		12/8/2021 12:45	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1	U		12/8/2021 12:45	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1	U		12/8/2021 12:45	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1	U		12/8/2021 12:45	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1	U		12/8/2021 12:45	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1	U		12/8/2021 12:45	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1	U		12/8/2021 12:45	RLD	EPA 8260C
cis-1,2-Dichloroethene	0.24	ug/L	0.023	0.10	1			12/8/2021 12:45	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1	U		12/8/2021 12:45	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1	U		12/8/2021 12:45	RLD	EPA 8260C

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CT LAB#: 1080790	Sample Description:PW-10	DNR License/Well #: 04189/057	Sampled: 12/1/2021 15:15
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromomethane	<0.018	ug/L	0.018	0.10	1	U		12/8/2021 12:45	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1	U		12/8/2021 12:45	RLD	EPA 8260C
Diisopropyl ether	0.032	ug/L	0.02	0.1	1	J		12/8/2021 12:45	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1	U		12/8/2021 12:45	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1	U		12/8/2021 12:45	RLD	EPA 8260C
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1	U		12/8/2021 12:45	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1	U		12/8/2021 12:45	RLD	EPA 8260C
Methyl tert-butyl ether	0.58	ug/L	0.014	0.10	1			12/8/2021 12:45	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1	U		12/8/2021 12:45	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1	U		12/8/2021 12:45	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1	U		12/8/2021 12:45	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1	U		12/8/2021 12:45	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1	U		12/8/2021 12:45	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1	U		12/8/2021 12:45	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1	U		12/8/2021 12:45	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1	U		12/8/2021 12:45	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1	U		12/8/2021 12:45	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1	U		12/8/2021 12:45	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1	U		12/8/2021 12:45	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1	U		12/8/2021 12:45	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1	U		12/8/2021 12:45	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1	U		12/8/2021 12:45	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1	U		12/8/2021 12:45	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1	U		12/8/2021 12:45	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1	U		12/8/2021 12:45	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1	U		12/8/2021 12:45	RLD	EPA 8260C

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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,4-Dioxane	0.40	ug/L	0.40	1.4	1	J	12/6/2021 12:00	12/9/2021 14:40	JJY	EPA 8270D-SIM

Notes: All LOD/LOQs are adjusted to reflect dilution, percent solids, and any differences in the sample weight / volume as compared to standard amounts.
"U" qualifier indicates concentration of analyte was below the detection limit. "J" qualifier indicates an estimated value between the LOD and LOQ.

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.

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

Current CT Laboratories Certifications

Wisconsin (WDNR) Chemistry ID# 157066030

Wisconsin (DATCP) Bacteriology ID# 289

Louisiana NELAP (primary) ID# 115843

Illinois NELAP Lab ID# 200073

Kansas NELAP Lab ID# E-10368

Virginia NELAP Lab ID# 460203

ISO/IEC 17025-2005 A2LA Cert # 3806.01

DoD-ELAP A2LA 3806.01
