ANNUAL GROUNDWATER MONITORING REPORT

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

EPA ID # WID006100275
BRRTS # 02-14-000905

HYDE ENVIRONMENTAL, INC.

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November 16, 2023

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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."

James C. Lindemann, Hydrogeologist, PG, PH

November 16, 2023
Date

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1.0 INTRODUCTION

This Annual Groundwater Water Monitoring Report presents the data obtained from the November 2022 groundwater monitoring event completed by Hyde Environmental, Inc. (Hyde) personnel on and in the vicinity of the Oconomowoc Electroplating Company Inc. (OECI) 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, 2021 and the Field Sampling Plan dated November 4, 2021, prepared by Hyde for the OECI 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 OECI 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 OECI 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Much of the following information is distilled from historical documents contained on the Wisconsin Bureau of Remediation and Redevelopment Tracking System (BRRTS) website and the WDNR Request for Bid.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. 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 2022.

3.0 FIELD ACTIVITIES

The following field activities were performed by Hyde personnel during the November 2022 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 tubing in all OECI Site monitoring wells to be sampled (28 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 five (5) of the eight (8) residential wells during the November 2022 monitoring event for laboratory analysis of VOCs including 1,4-dioxane. Three (3) of the residential wells that are part of the groundwater monitoring program (PW-04, PW-10, and PW-11) were not sampled because the owners never responded to our requests to consent to sampling.

- 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 2022 monitoring event took place November 15-18, 2022. 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, November 2018, November 2021, and November 2022 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 15, 2022. 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 2021 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 lid on MW-103S was cracked.

- The stainless-steel casing of OW-6 was sticking up slightly and was dented.
- A bolt was missing from MW-14DR.
- The lock top on MW-4D was slightly bent.
- The casing on MW-1S was dented and the lock was bent.
- The flush cover seals on MW-104S and MW-104D were missing.

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 polyethylene tubing were used by the Hyde environmental scientist to purge and sample each monitoring well. The previous Teflon lined polyethylene tubing was replaced with polyethylene tubing prior to sample collection.

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 in 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 2022 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.

Three (3) of the eight (8) residential wells that are part of the groundwater monitoring program were not sampled. The residential wells at W2605 Oak St. (PW-04), W2607 Elm St. (PW-10), and W2612 Elm St. (PW-11) were not sampled because the owners did not respond to our correspondence requesting permission to sample.

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), and W2606 Elm St. (PW-09) 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:

Parameter	Analysis Method
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 2022 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, November 2018, and November 2021.

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 2022 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-15B, and MW-105B, 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:

- MW-13S, MW-13D, MW-15S, MW- 15D, MW-15B, MW-16S, MW-101S, MW-101B, MW-102S, MW-102D: Bromoform was qualified because the replicate/duplicate precision was outside acceptance limits.

- MW-13S, MW-13D, MW-15S, MW- 15D, MW-15B, MW-16S, MW-101S, MW-101B, MW-102S, MW-102D: Bromomethane was qualified because the replicate/duplicate precision was outside acceptance limits.

- MW-16S: Bromomethane was qualified because the replicate/duplicate precision was outside acceptance limits and because specified calibration criteria was not met.

- The 2,2-dichloropropane results in OECI Site monitoring well samples MW-13S, MW-13D, MW-15S, MW- 15D, MW-15B, MW-16S, MW-101S, MW-101B, MW-102S, MW-102D, were qualified because the replicate/duplicate precision was outside acceptance limits.

- MW-13S, MW-13D, MW-15S, MW-15B, MW-16S, MW- 15D, MW-101S, MW-101B, MW-102S, MW-102D: Chloromethane was qualified because it was detected in the associated method blank.

- MW-13S, MW-13D, MW-15S, MW- 15D, MW-15B, MW-16S, MW-101S, MW-101B, MW-102S, MW-102D: Vinyl acetate was qualified because the replicate/duplicate precision was outside acceptance limits.

- MW-1S, MW-13S, MW-15S, MW- 15D, MW-16S, MW-101S, MW-101B, MW-102S: Acetone was qualified because it was detected in the associated method blank

- Several compounds detected in the residential wells were qualified because the analyte concentration was below detection limit, the Laboratory Control Sample was outside acceptance limits, the analyte was detected in the associated Method Blank, a value was estimated, specified calibration criteria were not met, or the replicate/duplicate precision was outside acceptance limits.

The duplicate groundwater samples generally produced results that were similar to the original samples, with relative percent difference values ranging from 0.00% to 30.00% for the duplicate samples collected during the November 2022 sampling event, except for the following instances:

- The reported total nitrate nitrogen concentrations for the original and duplicate samples collected from MW-105B were 0.34 mg/L and 0.15 mg/L, respectively, for a relative difference of 44.12%.

- The reported methane concentrations for original and duplicate samples collected from MW-105B were 430 µg/L and 250 µg/L, respectively. This equates to a relative difference of 41.87%.

- The reported total chloromethane concentrations for the original and duplicate samples collected from MW-105B were 0.052 µg/L and 0.28 µg/L, respectively, which equates to a relative difference of 81.43%.

- The reported total sulfate concentrations for the original and duplicate samples collected from MW-15B were 1.5 mg/L and 3.0 mg/L, which equates to a relative difference of 50.00%.

- The reported total methane concentrations for the original and duplicate samples collected from MW-15B were 570 µg/L and 1200 µg/L, respectively, which equates to a relative difference of 52.50%.

- The reported total iron concentrations for the original and duplicate samples collected from MW-13S were 12.6 mg/L and 5.55 mg/L, respectively, which equates to a relative difference of 55.96%.

- The reported total manganese concentrations for the original and duplicate samples collected from MW-13S were 812 µg/L and 353 µg/L, respectively, which equates to a relative difference of 56.53%.

- The reported total methane concentrations for the original and duplicate samples collected from MW-13S were 2.1 µg/L and <0.45 µg/L, respectively, which equates to a relative difference of 78.57%.

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. The groundwater will be picked up for disposal at a later date.

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 2022 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 2022 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 0.0043 ft/ft for the November 2022 monitoring event. The average horizontal gradients calculated from water table monitoring well water level data collected during the November 2018 and November 2021 monitoring events were 0.0060 ft/ft and 0.0012 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-1S, MW-4S, MW-9S, MW-12S, MW-13S, MW-16S, MW-103S, MW-104S, MW-105S and MW-106S were submerged during the November 2022 sampling event. The height above the top of the well screens that were submerged ranged from 0.13 feet in MW-13S to 7.92 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 in 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 0.0122 for the November 2022 monitoring event. The average horizontal gradients calculated from mid-depth monitoring well water level data collected during the November 2018 and November 2021 monitoring events were 0.0036 ft/ft and 0.0018 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 0.0386 ft/ft for the November 2022 monitoring event. The average horizontal gradients calculated from bedrock monitoring well water level data collected during the November 2018 and November 2021 monitoring events were 0.0036 ft/ft and 0.012 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 0.07 ft/ft (MW-4/D) to 0.0054 ft/ft (MW-102D), while upward vertical gradient values ranged from 0.0429 ft/ft (MW-105D) to 0.0009 ft/ft (MW-104D) 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), MW-15S/D/B (located northwest of the former OECI facility), MW-101S/B, MW-102S/D (located west of the former OECI facility), and MW-105B (located south of the former OECI facility near the wetland area).

The vertical gradients calculated for the OECI Site monitoring well nests were upward at the monitoring well nests MW-12S/D and MW-13 S/D (located southwest 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), MW-105S/D (located south of the former OECI facility near the wetland area)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-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 2022 depth to groundwater measurements are consistent with historical results.

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 in 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 2022 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	6
1,1-Dichloroethane	850	85	0.017	0.10	0	0	4	12
1,1-Dichloroethene	7.0	0.7	0.024	0.10	0	4	2	8
1,2-Dichloroethane	5.0	0.5	0.017	0.10	0	0	3	4
1,4-Dioxane	3.0	0.3	7.0	23	1	0	1	1
cis-1,2-Dichloroethene (cis-DCE)	70	7.0	0.023	0.10	3	4	4	23
Methylene Chloride	5.0	0.5	0.090	0.40	0	1	0	1
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	0	0	1	12
Trichloroethene (TCE)	5.0	0.5	0.022	0.10	5	2	8	17
Vinyl chloride (VC)	0.2	0.02	0.019	0.10	6	6	3	11

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.

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 2022:

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-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)	

TCE, cis-1,2-DCE, and/or VC concentrations are exhibiting an overall decreasing trend from 2009 to 2022 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. Pz: Mid-depth unconsolidated deposits monitoring well. BR: Bedrock monitoring well.
		MW-2D (BR)	
MW-5D (Pz)	MW-5D (Pz)		
MW-12S	MW-12S		
MW-12D (Pz)			
MW-13S	MW-13S	MW-13S	
MW-13D (Pz)			
MW-15D (Pz)			
	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-105S**	
MW-105D (Pz)			
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 2022 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 2022 with VC concentrations not being detected above the LOD in 11 of the 13 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.

TCE, cis-DCE and/or VC concentrations are exhibiting an increasing trend from 2009 to 2022 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-3D (BR)	MW-3D (BR)	MW-3D (BR)	
MW-9S			
		MW-12S	
	MW-12D (Pz)	MW-12D (Pz)	
	MW-13D (Pz)	MW-13D (Pz)	
	MW-15S		
	MW-15D		
	MW-102D (Pz)	**MW-102D (Pz)**	
		MW-103S	
		MW-103D (Pz)	
	MW-105D (Pz)	**MW-105D (Pz)**	
	MW-105B		

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 16 of the monitoring wells; (down from 26 for the November 2021 monitoring event), cis-1,2-DCE concentrations are non-detect or decreasing in 11 of the monitoring wells (down from 19 for the November 2021 monitoring event); and VC concentrations are non-detect or decreasing in 7 of the monitoring wells (down from 19 for the November 2021 monitoring event).

- As noted above, TCE concentrations in monitoring wells MW-1S, MW-3D (BR), and MW-9S exhibited an increasing trend from 2009 to 2022. However, review of the time series charts for MW-1S, MW-3D, and MW-9S show that all TCE detections in the groundwater samples collected from MW-1S, MW-3D, 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 2022 monitoring event occurred at water table monitoring well MW-105S, with TCE concentrations declining from 3,700 µg/L in November 2013 to 50 µg/L in November 2022 (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 OECI Site, in June 2013. The 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 TCE, cis-1,2-

DCE, and VC concentrations in MW-105D reported during the November 2022 monitoring event decreased significantly from the November 2021 monitoring event.

- 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. Before the November 2021 monitoring event, cis-1,2-DCE was the only one of the three (3) compounds that had been detected in the samples collected during the previous six (6) monitoring events (Chart 20). The cis-1,2-DCE and TCE levels increased during the November 2022 monitoring event but were still well below Chapter NR 140 PALs of 7.0 and 0.5, respectively. The MW-105S/D/B monitoring well nest is located south of Elm Street, in the wetland area on the OECI Site.

- TCE impacts increased 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 120 µg/L in the sample collected from MW-103D in November 2021 and was 170 µg/L in the sample collected during the November 2022 monitoring event. This is still a significant decreased from the January 2009 monitoring event, which had a reported TCE concentration of 740 µg/L.

- The VC impacts decreased significantly at water table monitoring well MW-16S, with VC concentrations declining from 97 µg/L in November 2012 to no detection in November 2022. 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 decreased significantly, with the cis-1,2-DCE concentration in the November 2021 sample down to 0.15 µg/L. TCE was not detected in MW-16S during the November 2022 monitoring event.

- 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 2022, with the reported TCE and cis-1,2-DCE concentrations from the November 2022 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 2022 VC concentration in MW-5D (0.31 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 an increasing trend in TCE

impacts from 2009 to 2022. The highest TCE concentration was 12 µg/L during the May 2015 and May 2016 monitoring events. TCE concentrations have increased since the 2021 monitoring event with TCE concentrations at 7.3 µg/L to 9.5 µg/L during the November 2022 monitoring event. 1,2-DCE concentrations increased slightly from 3.9 µg/L during the November 2021 monitoring event to 4.7 µg/L during the November 2022 monitoring event, which is the highest 1,2-DCE concentration for MW-15D since at least 2014. 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, May 2015, November 2016 through November 2022 events, and below the detection limit of 0.016 µg/L for the samples collected from May 2016 monitoring event. 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 seven (7) 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 2022 monitoring event (1.0 µg/L) slightly decreased from the reported concentration of VC in MW-102D during the November 2021 (1.1) monitoring event, which was the highest concentration 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 2022 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 2022 isoconcentration maps to the shallow-depth (water table), mid-depth, and bedrock monitoring wells isoconcentration maps produced from the November 2021 monitoring event. Copies of the November 2021 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 50.0 µg/L in November 2022. The occurrence of the highest shallow-depth TCE impacts in the wetland area instead of in or

near the source areas on the former OECI 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 OECI 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 20.0 µg/L in November 2022. 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, and MW-15S. TCE was not detected in the other shallow-depth monitoring wells on the OECI Site (MW-4S, MW-16S, MW-101S, and MW-102S).

Comparison of the November 2022 TCE isoconcentration map for the shallow-depth (water table) monitoring wells and the November 2021 TCE isoconcentration map indicates that TCE impacts south of Elm Street, in and near the wetland area, decreased in MW-105S and increased in MW-12S from November 2021 to November 2022. Specifically, the reported TCE concentration in monitoring well MW-105S, located south of Elm Street, in the wetland near Davey Creek, decreased from 70 µg/L in November 2021 to 50 µg/L in November 2022; and the reported TCE concentration in monitoring well MW-12S increased, from 2.6 µg/L in November 2021 to 18.0 µg/L in November 2021. TCE was not detected in the sample collected from MW-4S in November 2022 and the reported TCE concentrations in MW-9S were stable, with concentrations of approximately 0.21 µg/L in November 2021 and November 2022. TCE concentrations increased in MW-1S from 0.035 µg/L in November 2021 to 0.095 µg/L in November 2022 and decreased in MW-13S from 0.15 µg/L in November 2021 to 0.10 in November 2022. TCE in MW-15S decreased from 0.078 µg/L in November 2021 to 0.041 in November 2022. TCE concentrations in MW-103S decreased, with concentrations of 32 µg/L in November 2021 and 20 µg/L in November 2022. TCE was not detected in the other shallow-depth monitoring wells that were sampled in November 2022.

Figure 6 shows that the mid-depth TCE plume is larger than the water table TCE plume (Figure 5). There were no detections of TCE in the bedrock groundwater (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 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, 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 OECI 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 2022 analytical data, occurs at monitoring well MW-103D, which is located north of Elm Street, on the south side of the former OECI facility, with a reported TCE concentration of 170 µg/L. TCE impacts above the Chapter NR 140 ES of 5.0 µg/L are also present at monitoring wells

MW-15D (9.5 µg/L), which is located on the north side of the Elm Street right-of-way, west of the OECI Site. TCE impacts above Chapter NR 140 PAL of 0.5 µg/L are present at monitoring wells MW-105D (2.2 µg/L). The November 2022 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 2022 to the November 2021 TCE isoconcentration map indicates that TCE impacts declined, or were generally stable, in monitoring wells MW-12D, MW-13D, 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 OECI facility. TCE impacts in MW-103D increased from 120 µg/L in November 2021 to 170 µg/L in November 2022. TCE impacts in MW-105D, located south of Elm Street, in the wetland near Davey Creek, decreased significantly, from 73 µg/L in November 2021 to 2.2 µg/L in November 2022. TCE impacts increased slightly at monitoring well MW-14DR, from 0.083 µg/L in November 2021 to 0.16 µg/L in November 2022.

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 OECI Site monitoring program. MW-3D showed a slight increase from <0.022 to 0.034, which is well below the NR140 PAL of 0.50.

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-103S, which is located north of Elm Street, on the south side of the former OECI facility, with a reported VC concentration of 1.5 µg/L in November 2022. VC concentrations also exceed the Chapter NR 140 ES of 0.20 µg/L at monitoring wells MW-12S (1.0 µg/L) and MW-105S (1.4 µg/L) in November 2022. VC was not detected in the seven (7) other shallow-depth (water table) monitoring wells on the OECI Site sampling list (MW-9S, MW-13S, MW-15S, MW-16S, MW-101S, MW-102S, and MW-104S).

The shallow-depth monitoring wells' VC plume, produced from the November 2021 monitoring event data, is similar to the shallow-depth VC plume produced from the November 2021 monitoring event data. Monitoring well MW-16S had the highest VC impacts over the last several monitoring events; the VC concentrations decreased from 33 ug/L in the 2021 monitoring event to no detect in the 2022 monitoring event. The VC concentrations at monitoring wells MW-103S and MW-105S exceeded the NR140 ES in the November 2021 monitoring event. VC has not been detected in the seven (7) other shallow-depth (water table) monitoring wells that are on the OECI 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 decreased at MW-12S, from 5.4 µg/L in November 2021 to 1.0 µg/L in November 2022. VC concentrations at MW-103S increased from 0.16 µg/L in November 2021 to 1.5 µg/L in November 2022. VC concentrations decreased at MW-16S, from 33 µg/L in November 2021 to <0.019 µg/L in November 2022. VC concentrations at MW-105S increased from 0.69 µg/L in November 2021 to 1.40 µg/L in November 2022. 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 2022) extends north. The NR 140 ES of 0.20 µg/L for VC was exceeded in the November 2022 groundwater samples collected from MW-5D, 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 6.0 µg/L, in November 2022. VC was not detected in the groundwater samples collected from mid-depth monitoring wells MW-14DR, MW-15D, and TW-202I during the November 2022 monitoring event.

Comparison of the VC isoconcentration map for the mid-depth monitoring wells in November 2022 to the VC isoconcentration map for the mid-depth monitoring wells in November 2021 indicates that the mid-depth VC plume shifted further north, with the increase in the VC concentration in MW-1D, from 0.098 µg/L in November 2021 to 0.13 µg/L in November 2022, 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 µg/L (ranging from 0.21 µg/L to 1.1 µg/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 decreased from 8.9 µg/L in November 2021 to 0.13 µg/L in November 2022, and the VC concentration in mid-depth monitoring well MW-13D decreased from 0.25 µg/L in November 2021 to 0.076 µg/L in November 2022. The VC concentration in mid-depth monitoring well MW-103D was 0.27 in November 2021, while the VC concentration in MW-103D decreased to 0.18 µg/L in November 2022. The reported VC concentration for the groundwater samples collected from mid-depth monitoring well MW-102D decreased slightly, from 1.1 µg/L in November to 1.0 µg/L in November 2022, indicating generally stable VC concentrations at the downgradient edge of the plume.

As shown in Figure 10, VC was not detected in any of the bedrock monitoring wells during the November 2022 monitoring event. VC was detected in the groundwater samples collected from bedrock monitoring wells MW-1D (0.098 µg/L) and MW-3D (0.075 µg/L) during the November 2021 monitoring event. These reported concentrations exceed the Chapter NR 140 PAL of 0.02 but are below the Chapter NR 140 ES of 0.20 µg/L.

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-135S, which is located south of Elm Street in the has the highest 1,4-dioxane concentration in shallow groundwater at 16 ug/L. 1,4-Dioxane was not detected in the other shallow-depth monitoring wells, including MW-1S, MW-4S, MW-9S, MW-12S, MW-13S, MW-15S, MW-16S, MW-101S, MW-102S, and MW-105S.

As shown on Figure 12, 1,4-dioxane was not detected in any of the mid-depth or bedrock monitoring wells tested for 1,4-dioxane. 1,4-dioxane was only detected in samples from mid-depth wells MW-12D (31 µg/L) and MW-105D (<35 µg/L) from the 2021 monitoring event. 1,4-dioxane was only detected in bedrock wells MW-3D (33 µg/L) and MW-101B (11 µg/L) during the 2021 monitoring event.

4.2.4 MNA Parameters Results

The MNA parameters results from the November 2022 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 three (3) of the eleven (11) shallow-depth monitoring wells, three (3) of the nine (9) mid-depth monitoring wells, and three (3) of the eight (8) bedrock monitoring wells.

There are 19 concentrations conducive for reductive dechlorination of TCE (DO less than 0.50 mg/L) out of the 28 monitoring wells sampled. The lowest DO concentration was 0.12 mg/L in the mid-depth monitoring well MW-13D. Per the last annual monitoring report, none of the stabilized DO concentrations measured in the monitoring wells during the November 2021 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 2022 monitoring event produced the following results:

- Scores for eight (8) of the shallow-depth (water table) monitoring wells, six (6) of the mid-depth monitoring wells, and four (4) of the bedrock monitoring wells fell within the 0 to 5 range (inadequate evidence for biodegradation).

- Scores for three (3) of the shallow-depth (water table) monitoring wells, three (3) of the mid-depth monitoring wells, and four (4) 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 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).

The scores produced from the recent (November 2017, November 2018, November 2021 and November 2022) 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	2022
PW-03	0.61	0.71	0.62	0.69	0.62	0.64	0.38	0.51	0.63
PW-04	NS	NS	NS	0.086 J	0.089 J	0.097 J	NS	NS	NS
PW-05	0.14	0.16	NS	NS	NS	NS	0.12 J	0.097	0.095
PW-07	0.026	<0.020	<0.020	0.031 J	<0.050	<0.050	<0.050	0.039 J	0.064
PW-08	0.074	<0.020	0.083	0.069 J	0.11 J	0.10 J	0.089 J	0.074	0.052
PW-09	0.063	<0.020	0.06 J	0.068 J	0.066 J	0.082 J	0.071 J	0.037	0.086
PW-10	<0.020	<0.020	<0.020	<0.030	<0.050	<0.050	<0.050	<0.022	NS
PW-11	<0.020	<0.020	<0.020	<0.030	<0.050	<0.050	<0.050	NS	NS

Compound	Vinyl Chloride (VC) (µg/L)								
Year	2012	2013	2014	2015	2016	2017	2018	2021	2022
PW-03	<0.019	0.033	<0.019	<0.016	<0.019	<0.019	<0.019	<0.019	<0.019
PW-04	NS	NS	NS	<0.016	<0.019	<0.019	NS	NS	NS
PW-05	<0.019	<0.019	NS	NS	NS	NS	<0.019	<0.019	<0.019
PW-07	0.063	0.064	0.05 J	0.053	0.041 J	0.036 J	0.038 J	0.038 J	0.044
PW-08	<0.019	0.04	0.045 J	0.043 J	<0.019	0.036 J	0.039 J	0.041	0.039
PW-09	0.057	0.057	0.056 J	0.055	<0.019	0.037 J	0.035 J	0.037	0.046
PW-10	<0.019	<0.019	<0.019	0.021 J	<0.019	<0.019	<0.019	<0.019	NS
PW-11	<0.019	0.029	0.039 J	0.04 J	<0.019	<0.019	0.022 J	NS	NS

Compound	1,4-Dioxane (µg/L)								
Year	2012	2013	2014	2015	2016	2017	2018	2021	2022
PW-03	NS	NS	NS	NS	<7.0	<0.40	<0.40	<0.40	<0.40
PW-04	NS	NS	NS	NS	<7.0	<0.40	NS	NS	NS
PW-05	NS	NS	NS	NS	NS	NS	<0.4	<0.40	<0.40
PW-07	NS	NS	NS	NS	<7.0	<0.40	<0.40	0.46 J	<0.40
PW-08	NS	NS	NS	NS	<7.0	<0.40	<0.40	0.44 J	<0.40
PW-09	NS	NS	NS	NS	<7.0	<0.40	<0.40	<0.40	<0.40
PW-10	NS	NS	NS	NS	<7.0	<0.40	<0.40	0.40 J	NS
PW-11	NS	NS	NS	NS	<7.0	<0.40	<0.40	NS	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 µg/L, 0.020 µg/L, and 0.30 µg/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 2022 monitoring event exceeded the Chapter NR 140 PAL of 0.50 µg/L. TCE was detected in all of the residential wells that were sampled in 2022, with four (4) of the reported TCE concentrations being below the Chapter NR 140 PAL. TCE was not detect in any of the residential wells sampled in excess of the Chapter NR 140 ES of 5 µg/L.

VC was detected in three (3) of the five (5) residential wells sampled in November 2022. The reported VC concentrations in all three (3) of these residential wells exceeded the Chapter NR 140 PAL of 0.02 µg/L; however, they are below the Chapter NR 140 ES of 0.20 µg/L.

1,4-Dioxane was not detected in any of the five (5) residential wells sampled in November 2022.

None of the other compounds detected in the residential well samples exceeded their respective Chapter NR 140 groundwater quality standards. The 2012 through 2022 TCE and VC results suggest 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 Saliares, via email on December 20, 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 2022 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 2022 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.

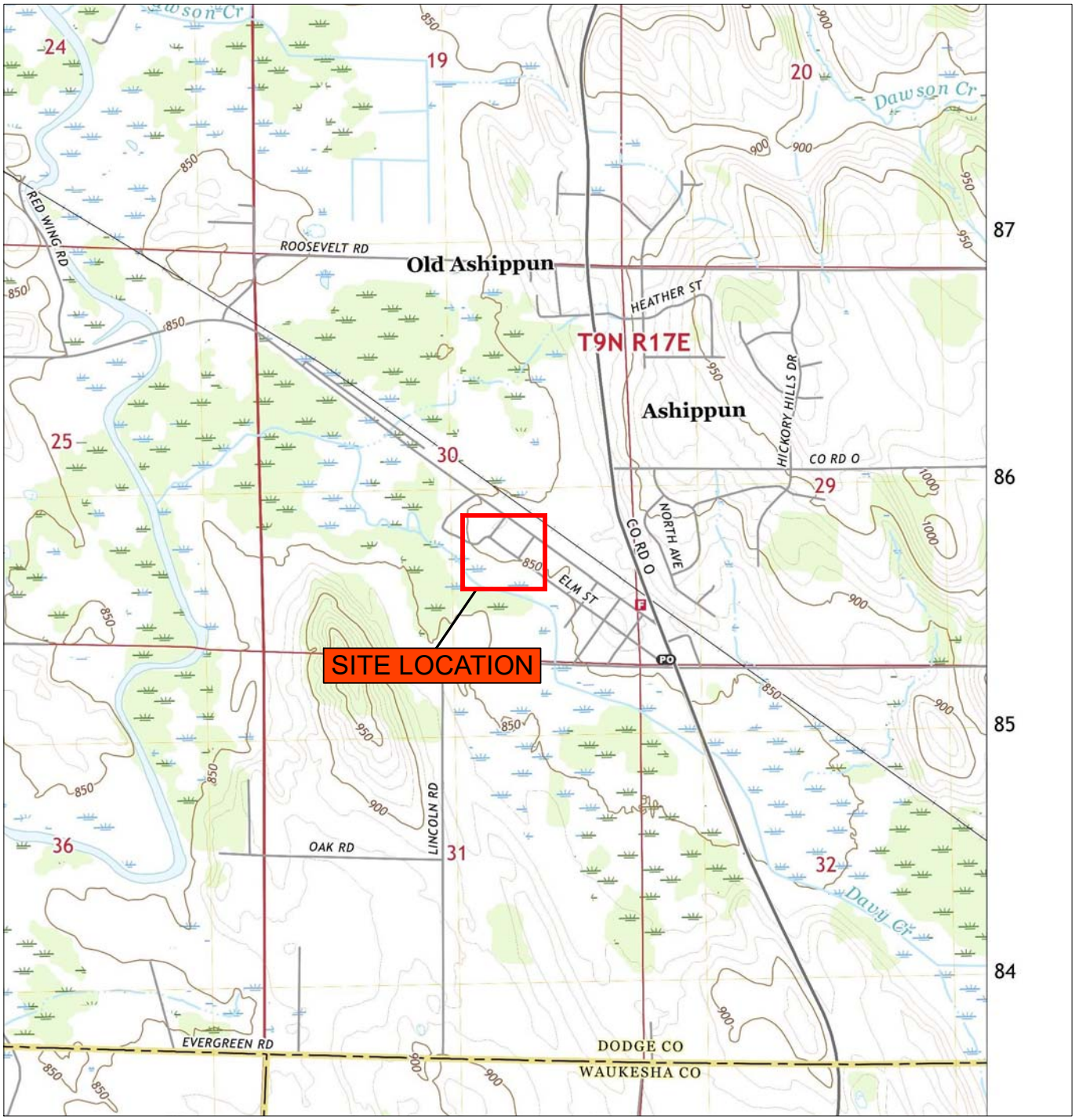
The VOC analytical data indicate the center of mass of the TCE plume at the water table is south of Elm Street, with the highest TCE impacts occurring at shallow-depth (water table) monitoring well MW-105S (50 µg/L). The TCE plume extends further west-northwest in the zone monitored by the mid-depth 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 (170 µg/L), located near the southeast corner of the former OECI facility. The analytical data from the bedrock monitoring wells indicate that TCE impacts are no longer present in the bedrock. The monitoring wells time series charts produced from the January 2009 through November 2022 monitoring events' analytical results indicate that TCE concentrations are non-detect or decreasing in 20 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-105S during the November 2022 monitoring event had the highest VC impacts of 1.4 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 indicate VC impacts in the bedrock are no longer present.

Shallow-depth (water table) monitoring well MW-103S, which is located north of Elm Street within the boundaries of the former OECI facility, has the highest 1,4-dioxane concentration in shallow groundwater at 16 µg/L. 1,4-dioxane was not detected in the mid-depth or bedrock monitoring wells.

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.

FIGURES



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

0 2,000'

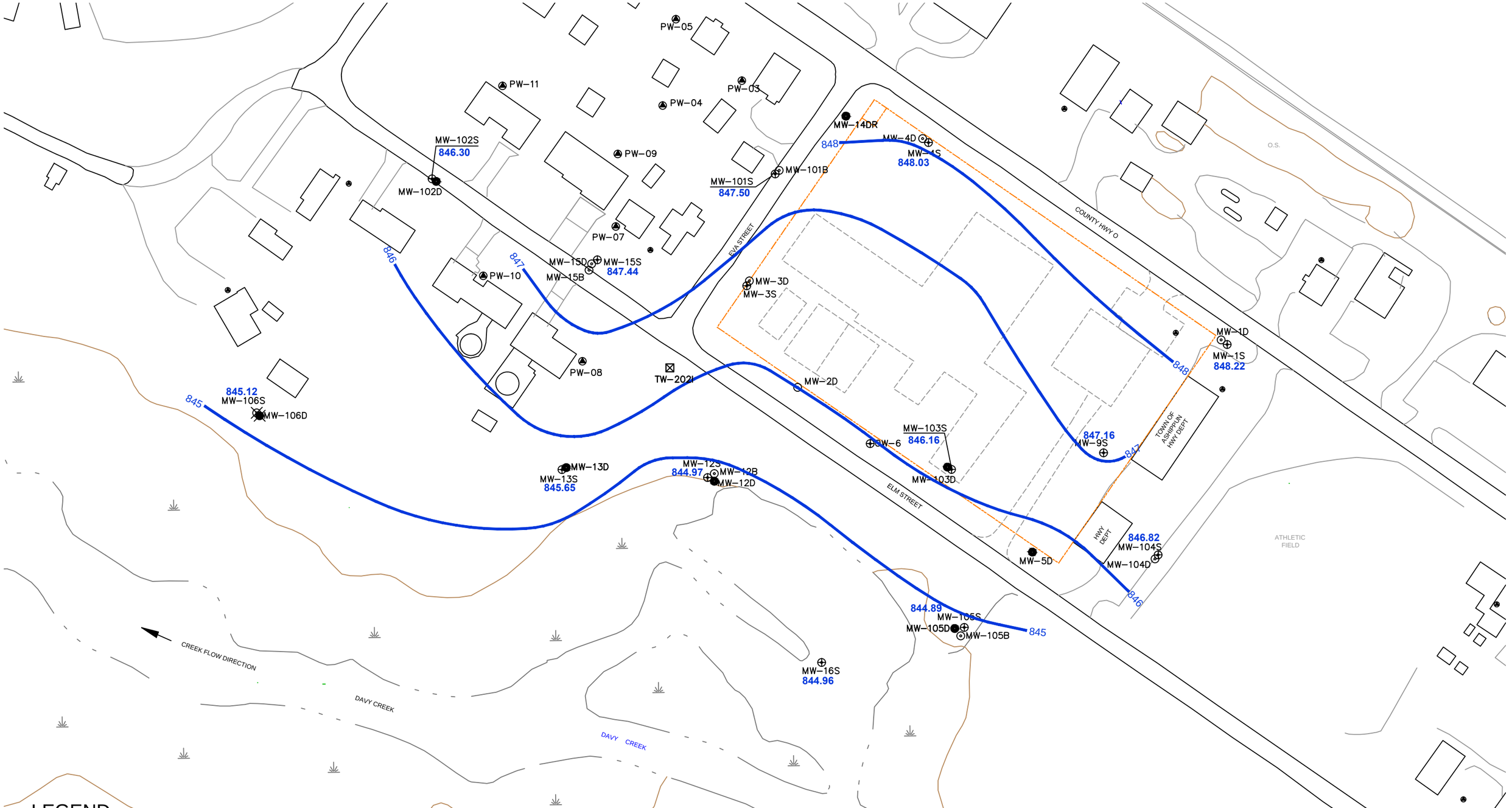
SCALE

HYDE ENVIRONMENTAL, INC.

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-202I — TEMPORARY WELL

845.02 — GROUNDWATER ELEVATION, NOV 2022 (FEET msl)

845 — GROUNDWATER CONTOUR, NOV 2022 (FEET MSL)

FORMER OECI SITE BOUNDARY

DASHED WHERE INFERRED

CONTOUR INTERVAL: 1.0 FEET

DATUM: FEET ABOVE MEAN SEA LEVEL (MSL)

0 100

1" = 100'

Note: Basemap provided by Tetra Tech

HYDE ENVIRONMENTAL, INC.

Figure 2

NOVEMBER 2022

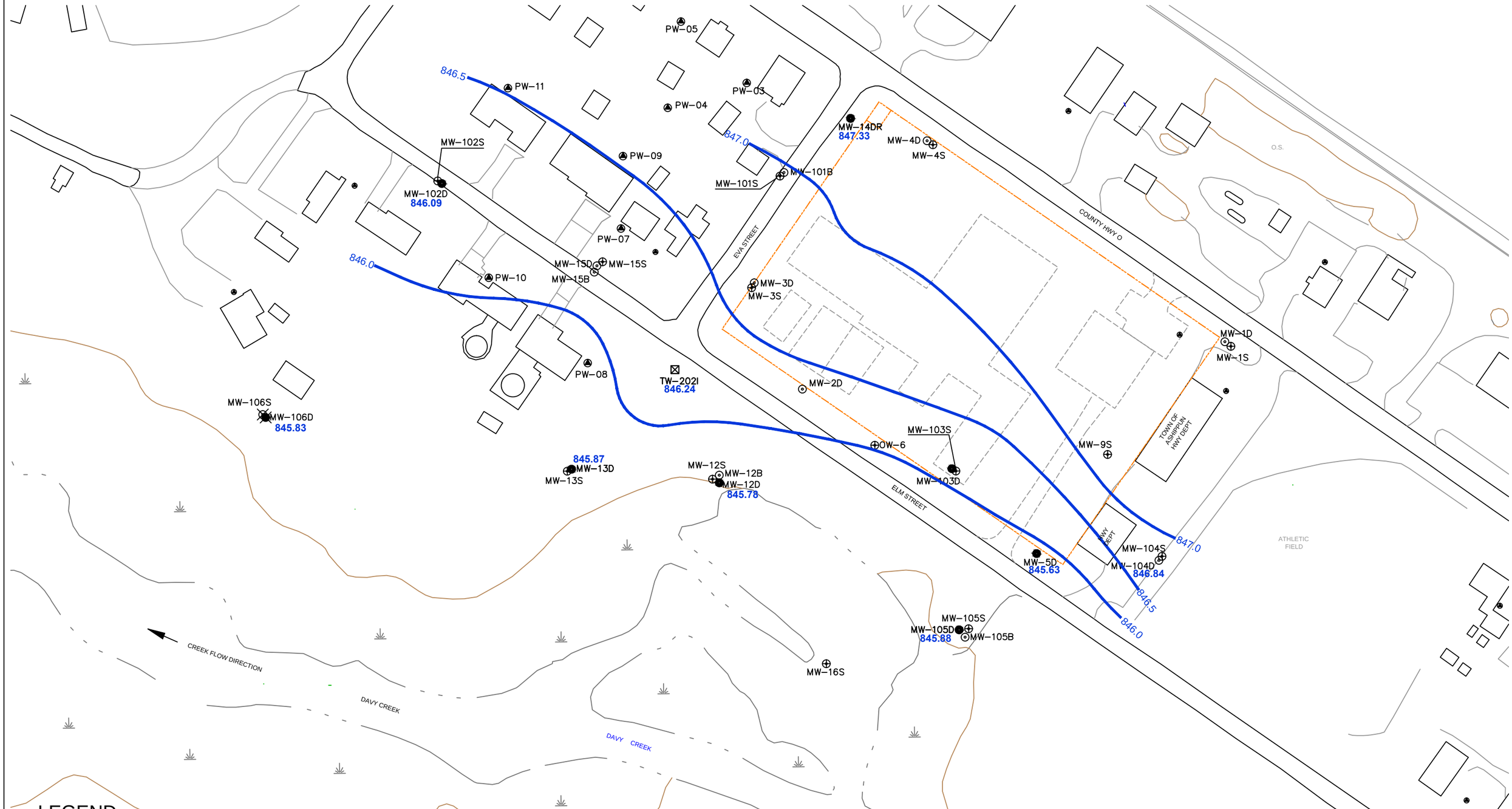
WATER TABLE CONTOUR MAP

Oconomowoc Electroplating Company, Inc.

Ashippun, WI

10/19/2023

D:\0-Hyde Environmental\OEC-Ashippun WI\OEC Site.dwg, 10/19/2023 10:00:05 AM



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-202I — TEMPORARY WELL

845.02 — GROUNDWATER ELEVATION, NOV 2022 (FEET msl)

845 — GROUNDWATER CONTOUR, NOV 2022 (FEET MSL) DASHED WHERE INFERRED

FORMER OECI SITE BOUNDARY

CONTOUR INTERVAL: 0.5 FEET
DATUM: FEET ABOVE MEAN SEA LEVEL (MSL)

0 100
1" = 100'

Note: Basemap provided by Tetra Tech

HYDE ENVIRONMENTAL, INC.

Figure 3
NOVEMBER 2022 MID-DEPTH MONITORING WELLS
POTENTIOMETRIC SURFACE CONTOUR MAP
Oconomowoc Electroplating Company, Inc.
Ashippun, WI
10/19/2023

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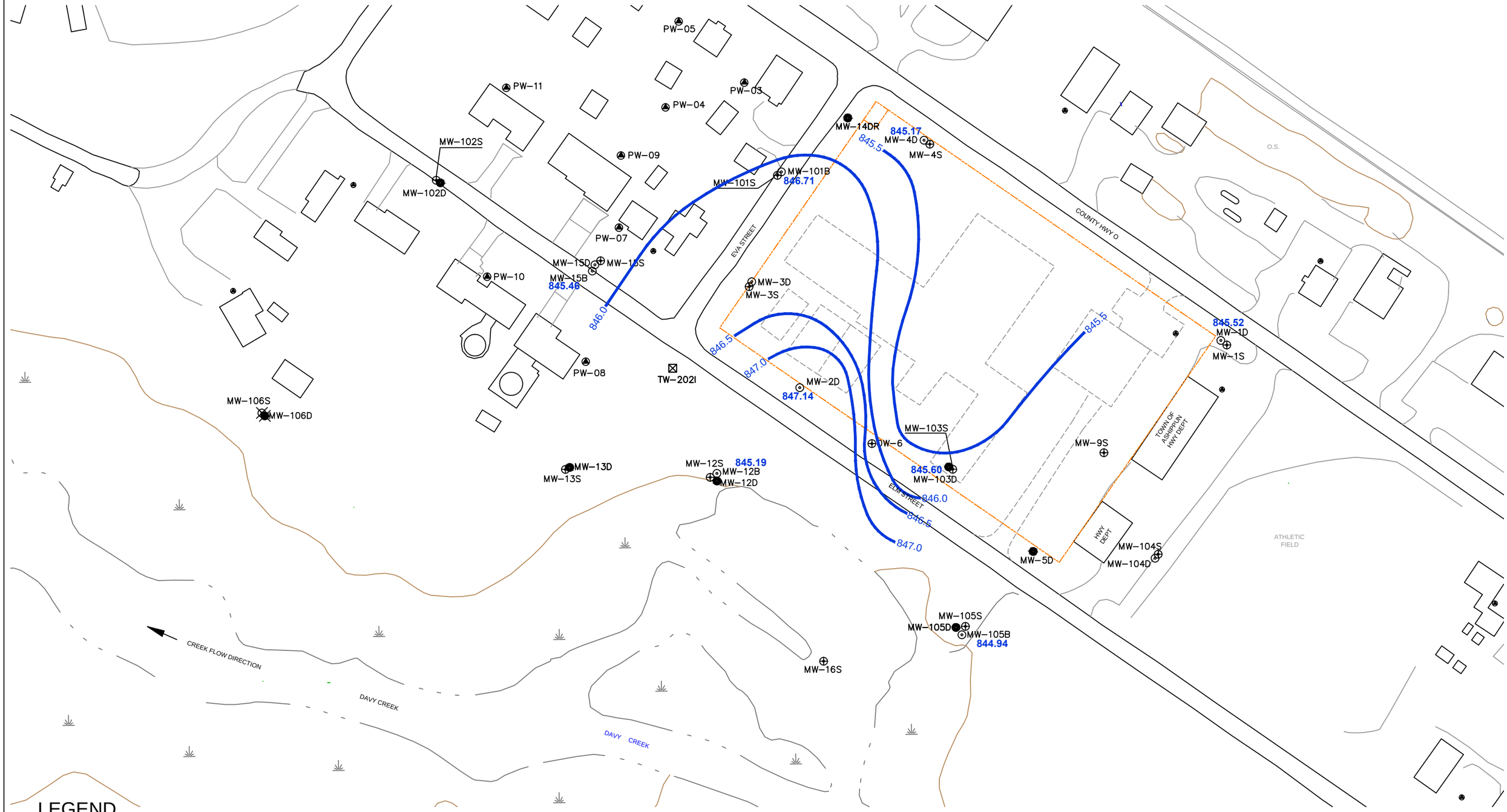

LEGEND

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-202I	TEMPORARY WELL

845.02 — FORMER OECI SITE BOUNDARY
845 — GROUNDWATER ELEVATION, NOV 2022 (FEET msl)
GROUNDWATER CONTOUR, NOV 2022 (FEET MSL)
DASHED WHERE INFERRED

CONTOUR INTERVAL: 0.5 FEET
DATUM: FEET ABOVE MEAN SEA LEVEL (MSL)

0 100
1" = 100'

Note: Basemap provided by Tetra Tech

HYDE ENVIRONMENTAL, INC.

Figure 4

NOVEMBER 2022 BEDROCK MONITORING WELLS
POTENTIOMETRIC SURFACE CONTOUR MAP

Oconomowoc Electroplating Company, Inc.
Ashippun, WI

10/25/2023

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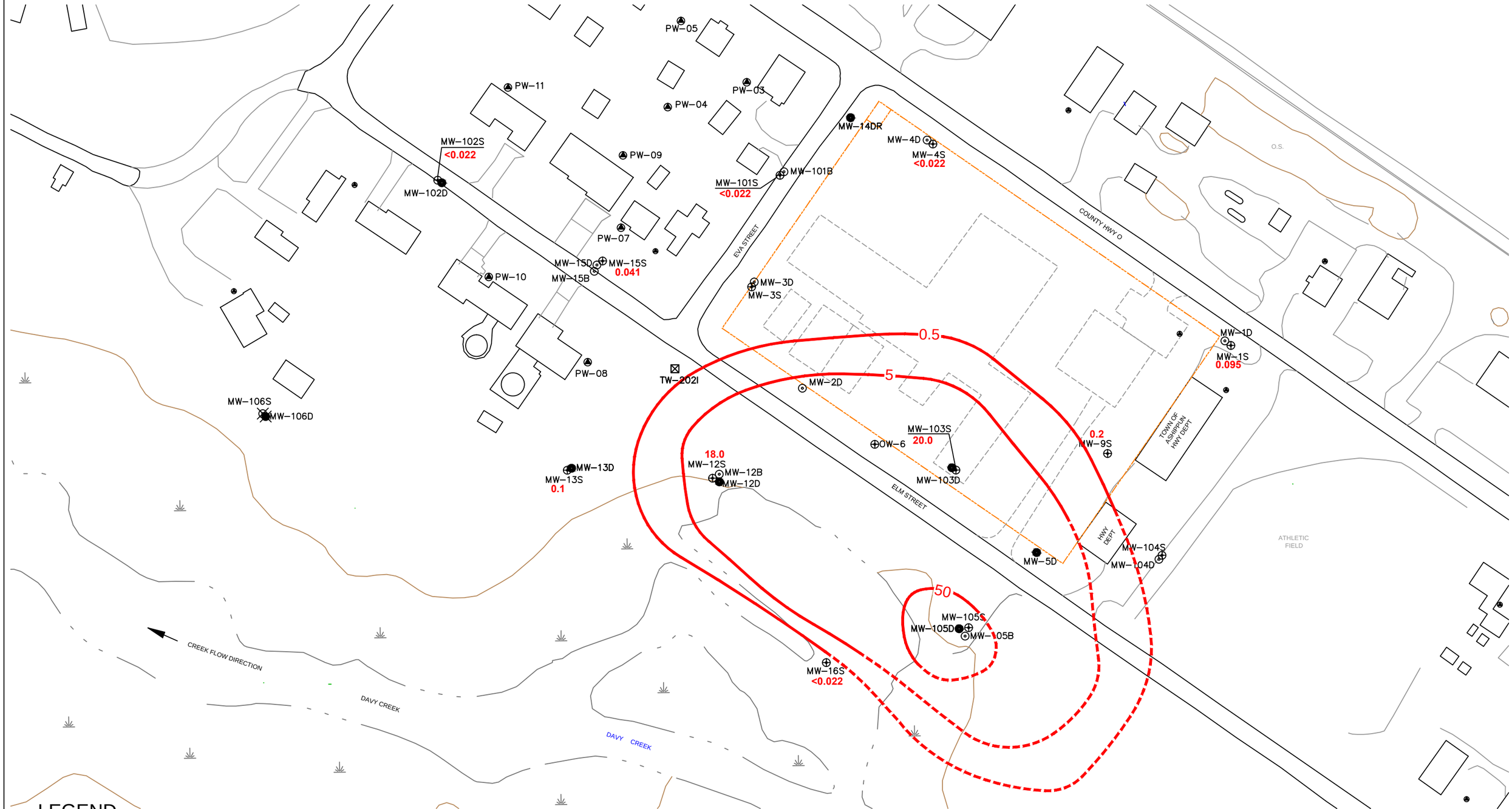

LEGEND

- 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-202I — TEMPORARY WELL

- FORMER OECI SITE BOUNDARY
- 32 — TCE CONCENTRATION (ug/L)
- 10 — TCE ISOCONCENTRATION CONTOUR (ug/L)
- DASHED WHERE INFERRED

0 100

1" = 100'

Note: Basemap provided by Tetra Tech

HYDE ENVIRONMENTAL, INC.

Figure 5

NOVEMBER 2022 SAMPLING EVENT SHALLOW-DEPTH MONITORING WELLS TCE ISOCONCENTRATION MAP

Oconomowoc Electroplating Company, Inc.
Ashippun, WI

10/19/2023

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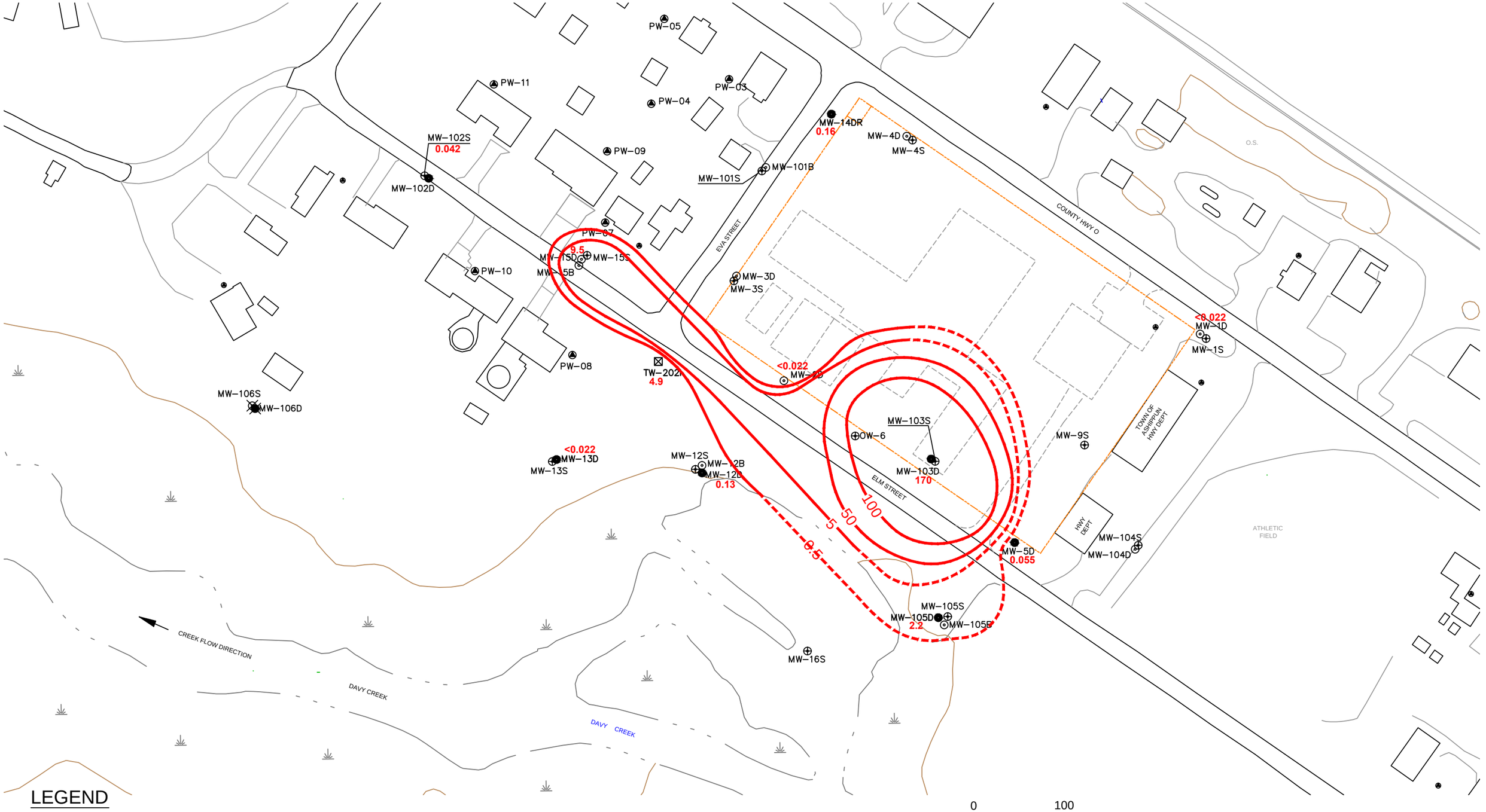

LEGEND

⊙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–202I	TEMPORARY WELL
	FORMER OECI SITE BOUNDARY
32	TCE CONCENTRATION (ug/L)
10	TCE ISOCONCENTRATION CONTOUR (ug/L) DASHED WHERE INFERRED

Note: Basemap provided by Tetra Tech

HYDE ENVIRONMENTAL, INC.

Figure 6

NOVEMBER 2022 SAMPLING EVENT MID-DEPTH MONITORING WELLS TCE ISOCONCENTRATION MAP

Oconomowoc Electroplating Company, Inc.
Ashippun, WI

10/19/2023

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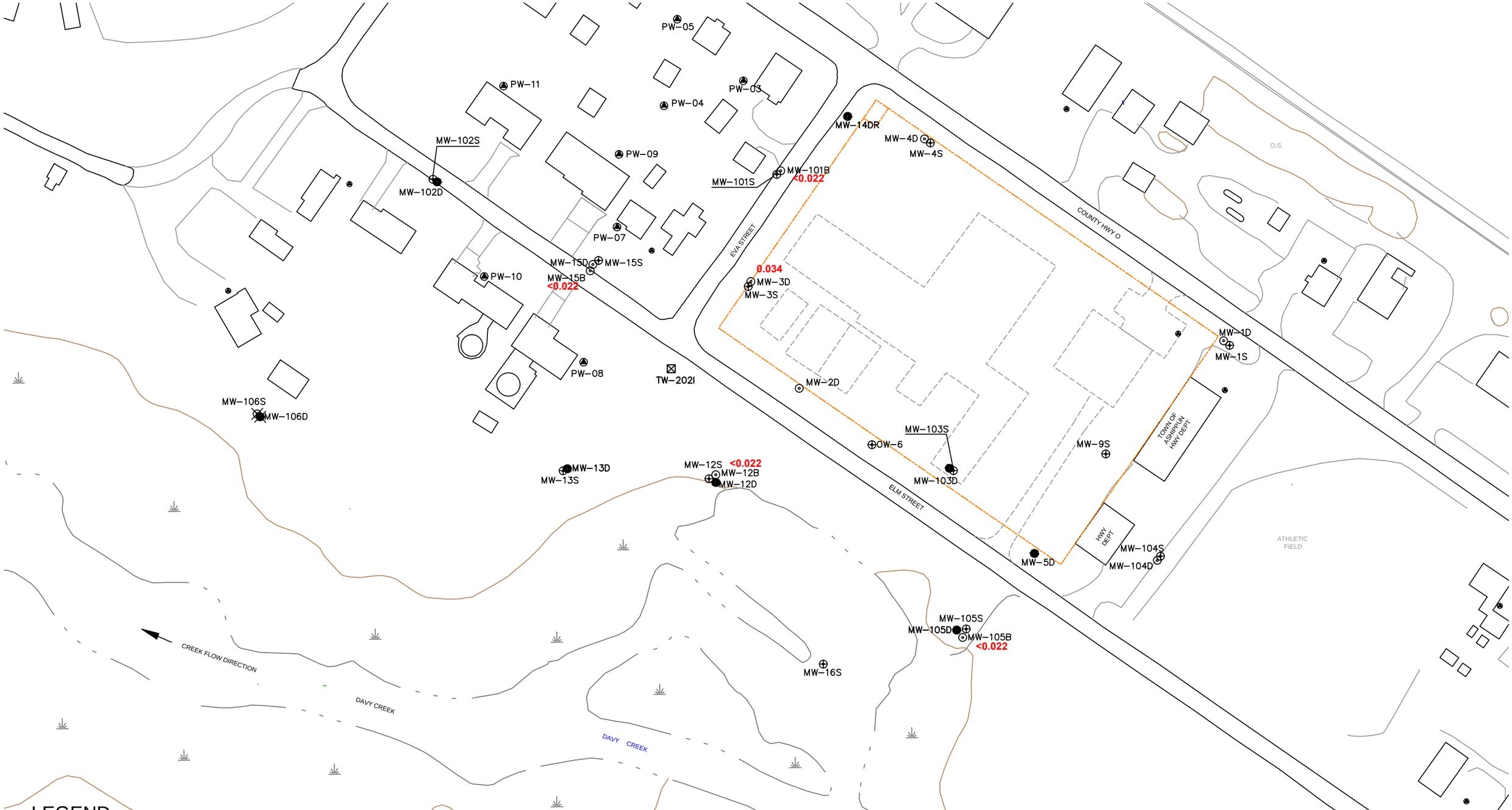

LEGEND

- 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-202I — TEMPORARY WELL

32 — TCE CONCENTRATION (ug/L)

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

FORMER OECI SITE BOUNDARY

0 100

1" = 100'

Note: Basemap provided by Tetra Tech

HYDE ENVIRONMENTAL, INC.

Figure 7

NOVEMBER 2022 SAMPLING EVENT BEDROCK MONITORING WELLS TCE ISOCONCENTRATION MAP

Oconomowoc Electroplating Company, Inc.
Ashippun, WI

10/19/2023

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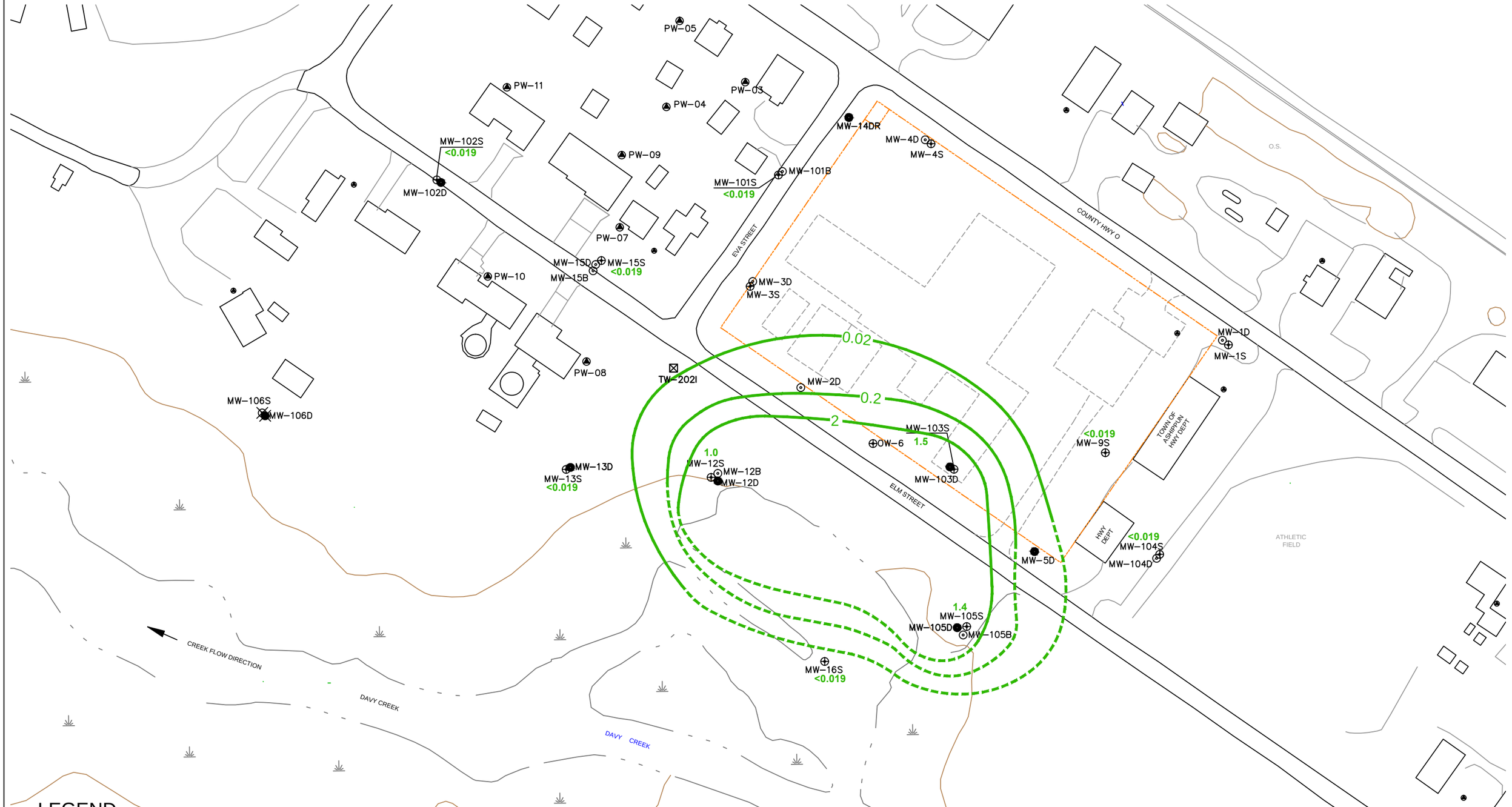

LEGEND

- 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-202I — TEMPORARY WELL

32 — FORMER OECI SITE BOUNDARY

2 — VINYL CHLORIDE CONCENTRATION (ug/L)

VINYL CHLORIDE ISOCONCENTRATION CONTOUR (ug/L)

DASHED WHERE INFERRED

0 100

1" = 100'

Note: Basemap provided by Tetra Tech

HYDE ENVIRONMENTAL, INC.

Figure 8

NOVEMBER 2022 SAMPLING EVENT SHALLOW-DEPTH MONITORING WELLS VINYL CHLORIDE ISOCONCENTRATION MAP

Oconomowoc Electroplating Company, Inc.
Ashippun, WI

10/19/2023

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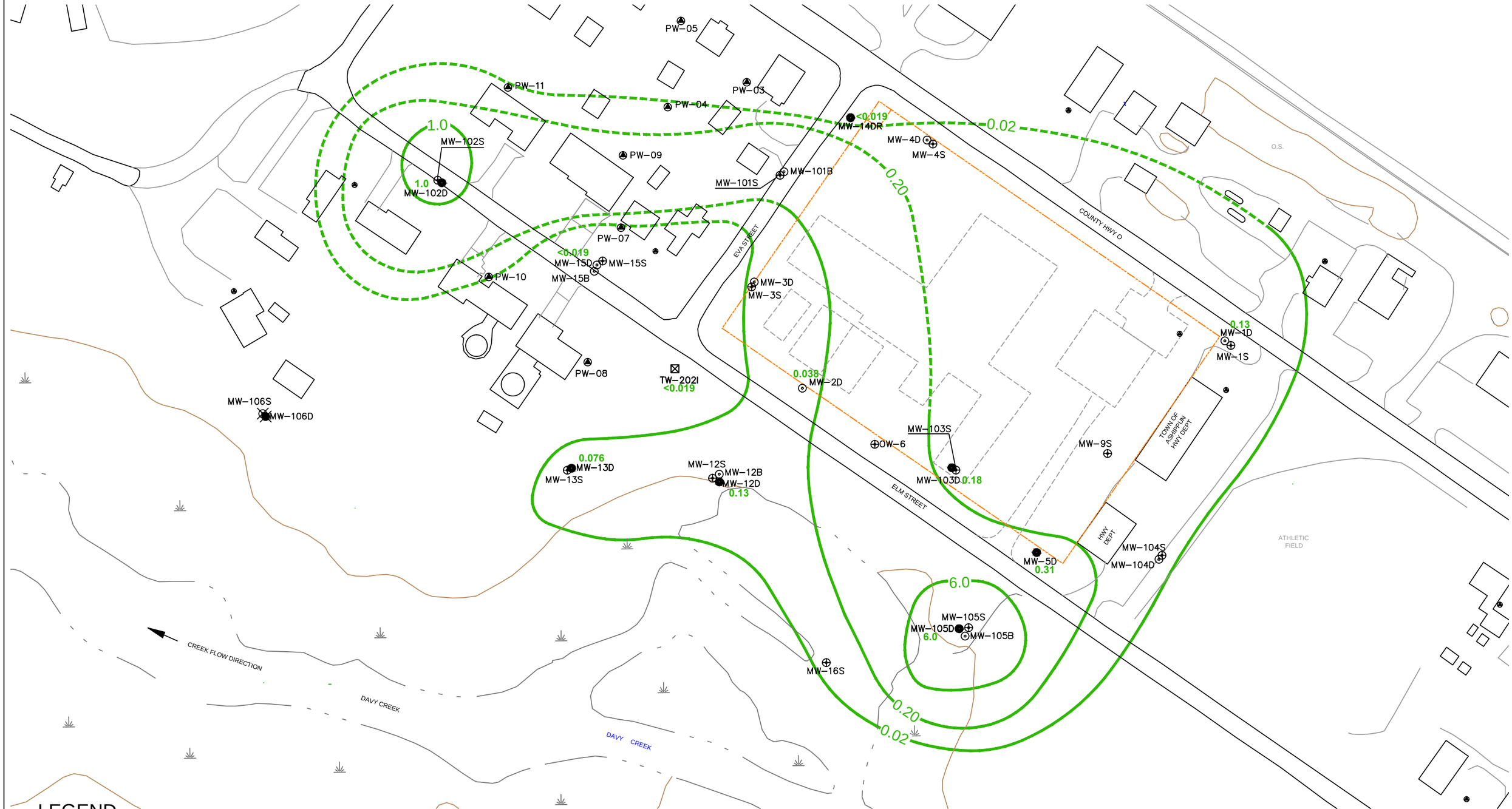

LEGEND

- 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-202I — TEMPORARY WELL

- FORMER OECI SITE BOUNDARY
- 32 — VINYL CHLORIDE CONCENTRATION (ug/L)
- 2 — VINYL CHLORIDE ISOCONCENTRATION CONTOUR (ug/L), DASHED WHERE INFERRED

0 100

1" = 100'

Note: Basemap provided by Tetra Tech

HYDE ENVIRONMENTAL, INC.

Figure 9

NOVEMBER 2022 SAMPLING EVENT MID-DEPTH
MONITORING WELLS VINYL CHLORIDE ISOCONCENTRATION MAP

Oconomowoc Electroplating Company, Inc.
Ashippun, WI

10/19/2023

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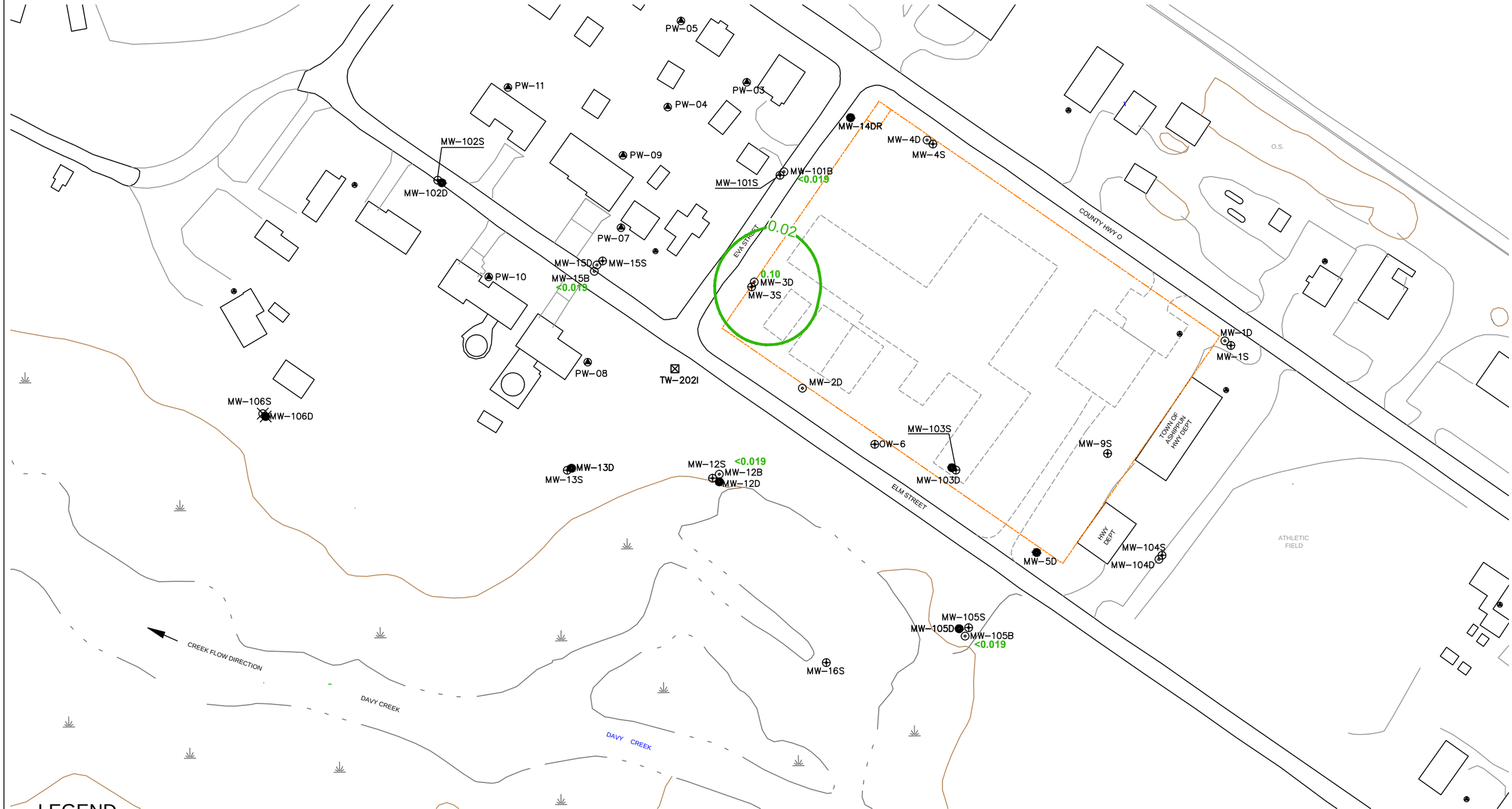

LEGEND

- 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-202I — TEMPORARY WELL

- FORMER OECI SITE BOUNDARY
- 32 — VINYL CHLORIDE CONCENTRATION (ug/L)
- 2 — VINYL CHLORIDE ISOCONCENTRATION CONTOUR (ug/L), DASHED WHERE INFERRED

0 100

1" = 100'

Note: Basemap provided by Tetra Tech

HYDE ENVIRONMENTAL, INC.

Figure 10

NOVEMBER 2022 SAMPLING EVENT BEDROCK MONITORING WELLS VINYL CHLORIDE ISOCONCENTRATION MAP

Oconomowoc Electroplating Company, Inc.
Ashippun, WI

10/26/2023

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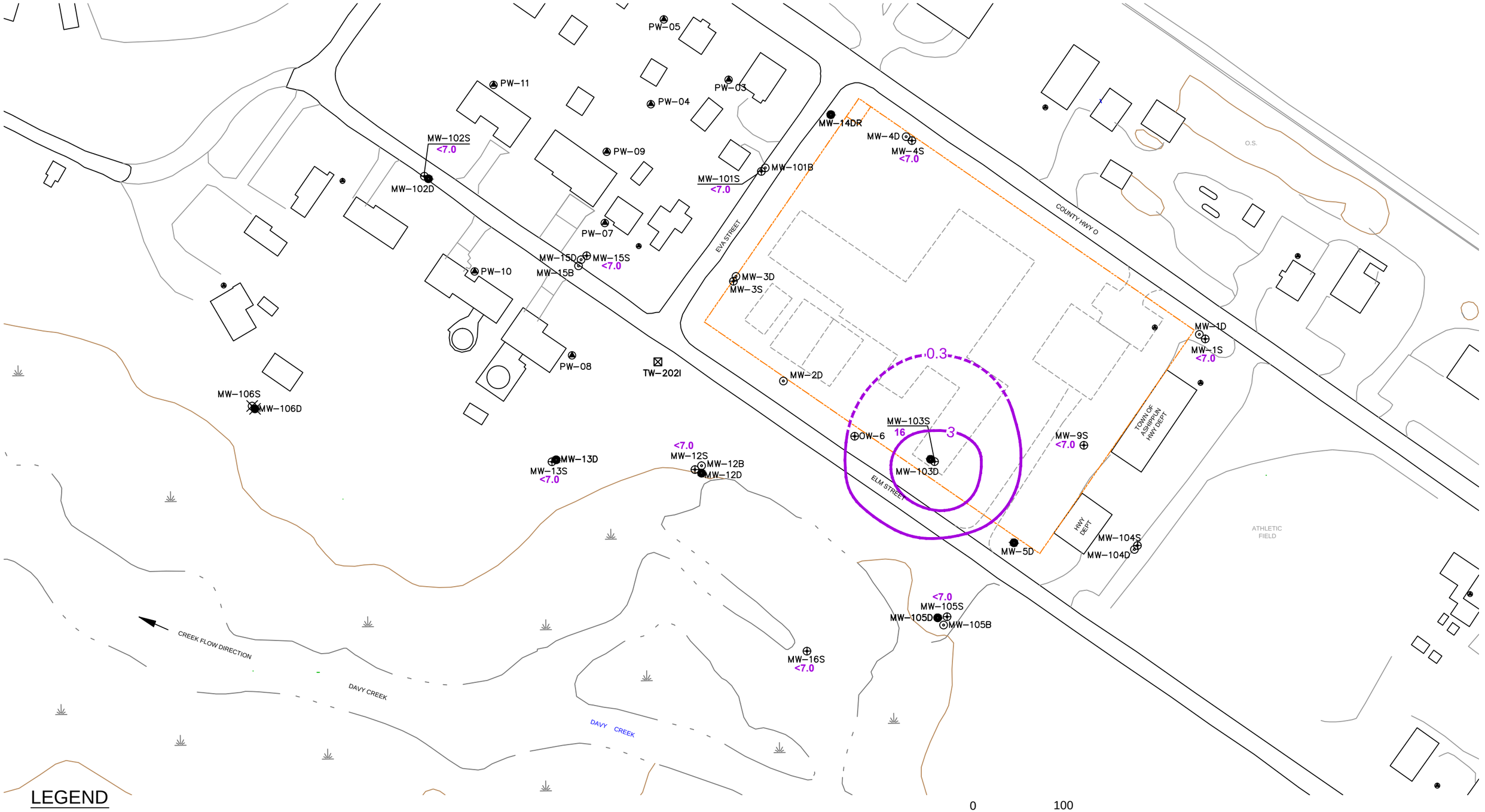

LEGEND

- 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-202I — TEMPORARY WELL

12 — FORMER OECI SITE BOUNDARY
1,4-DIOXANE CONCENTRATION (ug/L)
3 — 1,4-DIOXANE ISOCONCENTRATION CONTOUR (ug/L)
DASHED WHERE INFERRED

0 100
1" = 100'

Note: Basemap provided by Tetra Tech

HYDE ENVIRONMENTAL, INC.

Figure 11
NOVEMBER 2022 SAMPLING EVENT SHALLOW-DEPTH MONITORING WELLS 1,4-DIOXANE ISOCONCENTRATION MAP
Oconomowoc Electroplating Company, Inc.
Ashippun, WI
10/19/2023

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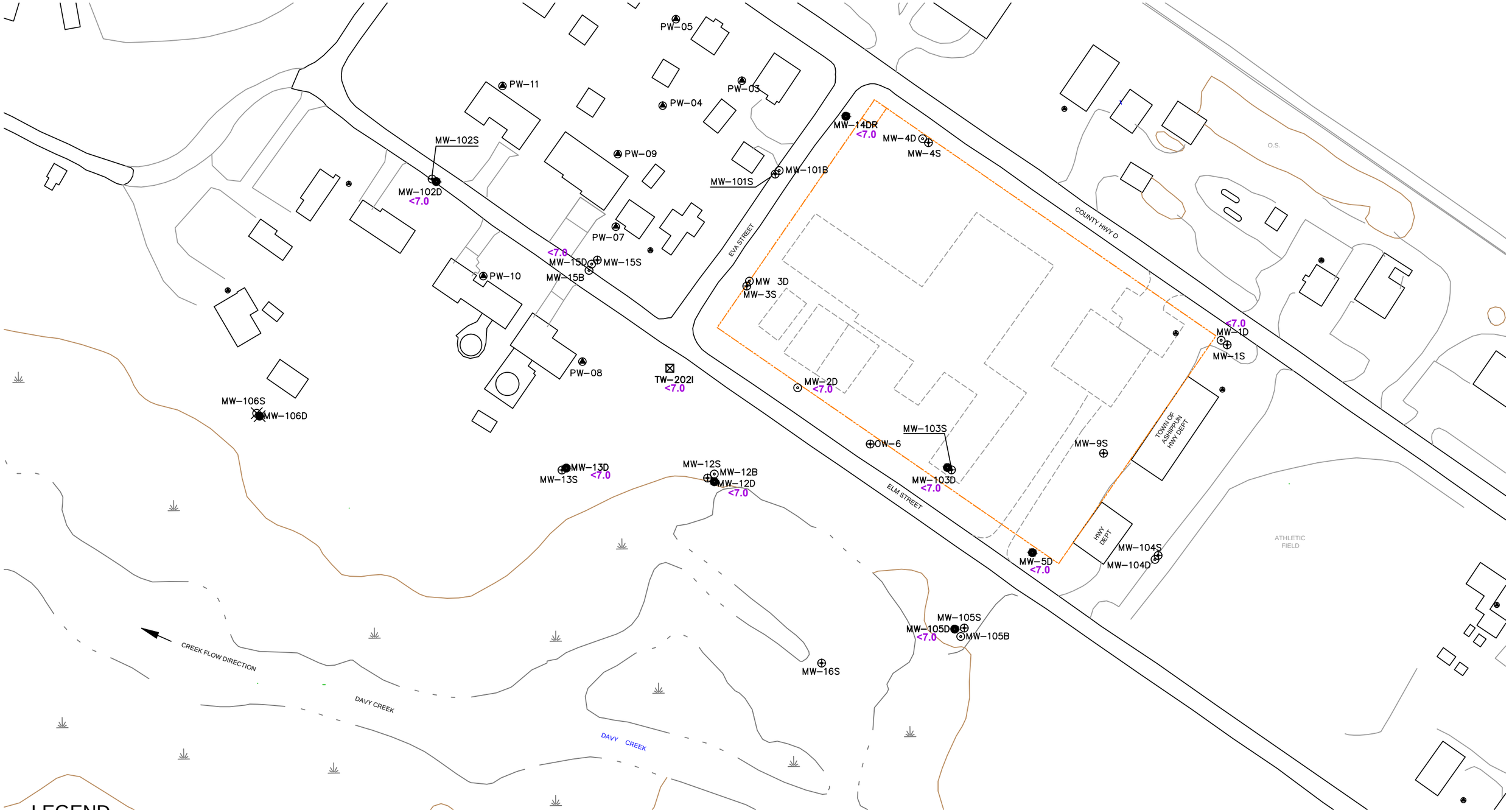

LEGEND

- 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–202I — TEMPORARY WELL

FORMER OECI SITE BOUNDARY

12 — 1,4-DIOXANE CONCENTRATION (ug/L)

3 – – – 1,4-DIOXANE ISOCONCENTRATION CONTOUR (ug/L)
DASHED WHERE INFERRED

0 100
1" = 100'

Note: Basemap provided by Tetra Tech

HYDE ENVIRONMENTAL, INC.

Figure 12

NOVEMBER 2022 SAMPLING EVENT MID-DEPTH
MONITORING WELLS 1,4-DIOXANE ISOCONCENTRATION MAP

Oconomowoc Electroplating Company, Inc.
Ashippun, WI

10/19/2023

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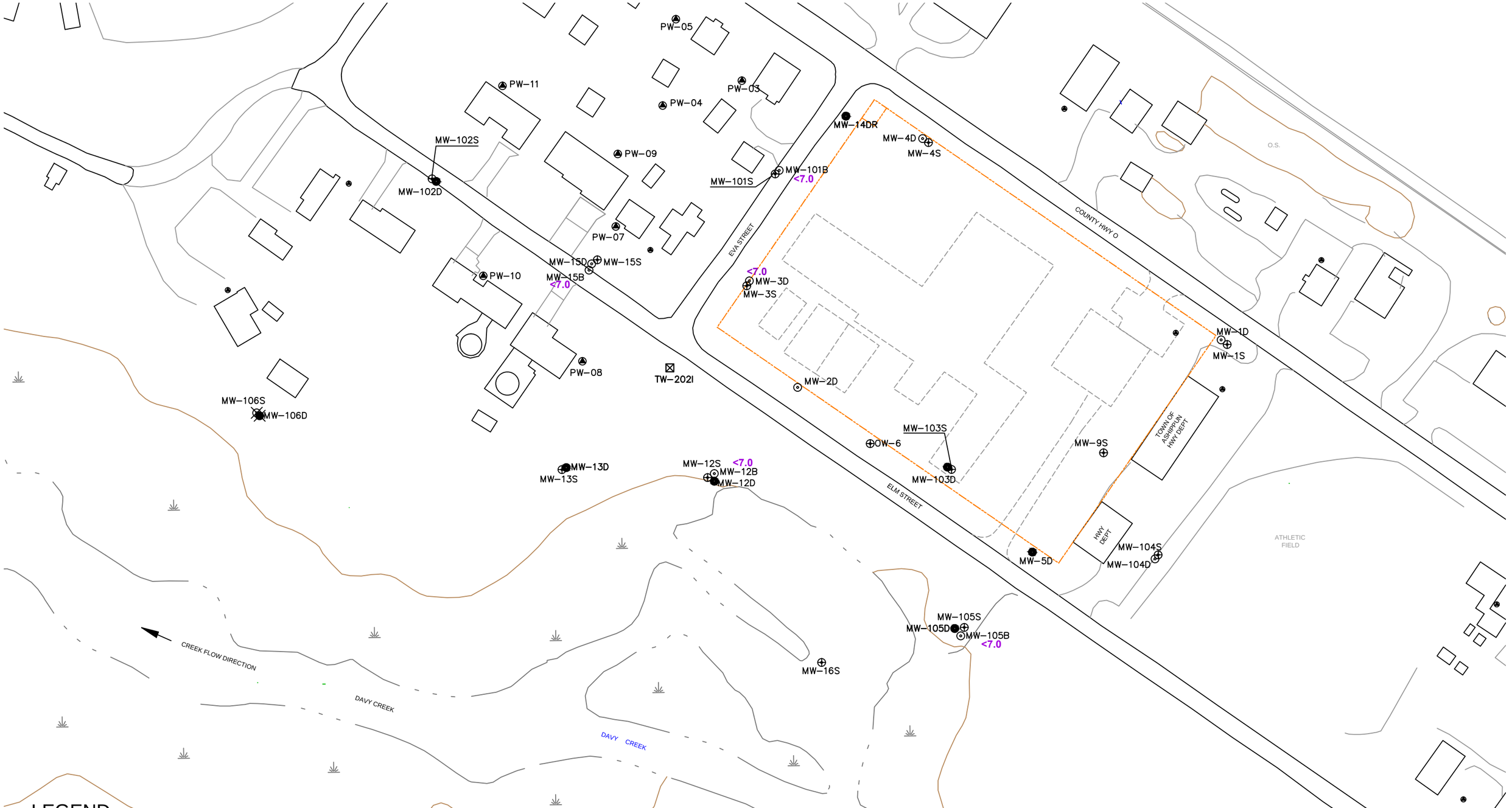

LEGEND

- 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-202I — TEMPORARY WELL

FORMER OECI SITE BOUNDARY

12 — 1,4-DIOXANE CONCENTRATION (ug/L)

3 — 1,4-DIOXANE ISOCONCENTRATION CONTOUR (ug/L)
DASHED WHERE INFERRED

0 100
1" = 100'

Note: Basemap provided by Tetra Tech

HYDE ENVIRONMENTAL, INC.

Figure 13

NOVEMBER 2022 SAMPLING EVENT BEDROCK MONITORING WELLS 1,4-DIOXANE ISOCONCENTRATION MAP

Oconomowoc Electroplating Company, Inc.
Ashippun, WI

10/19/2023

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Parameter	MW-102S
(DO)	0.89
(PO)	83.9
Alkalinity, total	480
Chloride (as Cl)	1200
Iron, dissolved	<0.027
Manganese, dissolved	<1.2
Ethane	<0.38
Ethene	<0.59
Methane	<0.45
Sulfate(as SO4)	45
Total Organic Carbon	3.0

Parameter	MW-101S
(DO)	3.90
(PO)	27.2
Alkalinity, total	170
Chloride (as Cl)	66
Iron, dissolved	<0.027
Manganese, dissolved	<1.2
Ethane	<0.38
Ethene	<0.59
Methane	<0.45
Sulfate(as SO4)	11
Total Organic Carbon	5.2

Parameter	MW-4S
(DO)	0.58
(PO)	110.3
Alkalinity, total	680
Chloride (as Cl)	390
Iron, dissolved	<0.027
Manganese, dissolved	257
Ethane	<0.38
Ethene	<0.59
Methane	<0.45
Sulfate(as SO4)	140
Total Organic Carbon	7.6

Parameter	MW-9S
(DO)	0.20
(PO)	111.58
Alkalinity, total	300
Chloride (as Cl)	420
Iron, dissolved	0.208
Manganese, dissolved	90.4
Ethane	<0.38
Ethene	<0.59
Methane	<0.45
Sulfate(as SO4)	60
Total Organic Carbon	2.3

Parameter	MW-15S
(DO)	0.49
(PO)	53.4
Alkalinity, total	250
Chloride (as Cl)	130
Iron, dissolved	<0.027
Manganese, dissolved	5.6
Ethane	<0.38
Ethene	<0.59
Methane	<0.45
Sulfate(as SO4)	15
Total Organic Carbon	1.6

Parameter	MW-103S
(DO)	1.96
(PO)	112.6
Alkalinity, total	540
Chloride (as Cl)	32
Iron, dissolved	0.0293
Manganese, dissolved	318
Ethane	<0.38
Ethene	<0.59
Methane	58
Sulfate(as SO4)	68
Total Organic Carbon	7

Parameter	MW-1S
(DO)	0.21
(PO)	88.5
Alkalinity, total	350
Chloride (as Cl)	220
Iron, dissolved	1.37
Manganese, dissolved	100
Ethane	<0.38
Ethene	<0.59
Methane	4.9
Sulfate(as SO4)	29
Total Organic Carbon	1.6

Parameter	MW-13S
(DO)	4.25
(PO)	18.7
Alkalinity, total	260
Chloride (as Cl)	110
Iron, dissolved	<0.027
Manganese, dissolved	<1.2
Ethane	<0.38
Ethene	<0.59
Methane	2.1
Sulfate(as SO4)	16
Total Organic Carbon	2.7

Parameter	MW-12S
(DO)	0.40
(PO)	128.7
Alkalinity, total	310
Chloride (as Cl)	230
Iron, dissolved	0.052
Manganese, dissolved	124
Ethane	<0.38
Ethene	<0.59
Methane	3.6
Sulfate(as SO4)	28
Total Organic Carbon	2.85

Parameter	MW-16S
(DO)	0.45
(PO)	-9.0
Alkalinity, total	330
Chloride (as Cl)	79
Iron, dissolved	2.56
Manganese, dissolved	244
Ethane	<0.38
Ethene	<0.59
Methane	1300
Sulfate(as SO4)	<0.8
Total Organic Carbon	0.76

Parameter	MW-105S
(DO)	0.38
(PO)	77.5
Alkalinity, total	380
Chloride (as Cl)	870
Iron, dissolved	2.46
Manganese, dissolved	347
Ethane	<0.38
Ethene	<0.59
Methane	29
Sulfate(as SO4)	43
Total Organic Carbon	3.7

Field Parameter	Units
Dissolved Oxygen (DO)	mg/L
Oxidation Reduction Potential (PO)	millivolts
Alkalinity, total (as CaCO3)	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

MW-102S
MW-102D
PW-11
PW-03
MW-101S
MW-101B
MW-14DR
MW-4D
MW-4S
COUNTY HWY O
EVA STREET
PW-07
MW-15D
MW-15S
MW-15B
PW-10
PW-08
MW-3D
MW-3S
MW-2D
TW-202I
MW-106S
MW-106D
MW-1D
MW-1S
MW-103S
OW-6
MW-103D
MW-9S
TOWN OF ASHIPPUN HWY DEPT
ELM STREET
HWY DEPT
MW-5D
MW-104S
MW-104D
MW-13D
MW-13S
MW-12S
MW-12B
MW-12D
MW-16S
MW-105S
MW-105D
MW-105B
DAVY CREEK
FLOW DIRECTION

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-202I TEMPORARY WELL
- FORMER OECI SITE BOUNDARY

0 100

1" = 100'

Note: Basemap provided by Tetra Tech

HYDE ENVIRONMENTAL, INC.

Figure 14

NOVEMBER 2022 SAMPLING EVENT SHALLOW-DEPTH MONITORING WELLS MONITORED NATURAL ATTENUATION PARAMETERS

Oconomowoc Electroplating Company, Inc.
Ashippun, WI

10/19/2023

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Parameter	MW-102D
(DO)	0.60
(PO)	64.4
Alkalinity, total	390
Chloride (as Cl)	210
Iron, dissolved	1.75
Manganese, dissolved	39.1
Ethane	<0.38
Ethene	<0.59
Methane	1.6
Sulfate(as SO4)	68
Total Organic Carbon	1.4

Parameter	MW-15D
(DO)	0.27
(PO)	38.4
Alkalinity, total	300
Chloride (as Cl)	250
Iron, dissolved	<0.027
Manganese, dissolved	300
Ethane	<0.38
Ethene	<0.59
Methane	5.1
Sulfate(as SO4)	27
Total Organic Carbon	2.2

Parameter	MW-13D
(DO)	0.12
(PO)	-0.09
Alkalinity, total	330
Chloride (as Cl)	220
Iron, dissolved	1.20
Manganese, dissolved	34.4
Ethane	<0.38
Ethene	<0.59
Methane	11
Sulfate(as SO4)	57
Total Organic Carbon	1.6

Parameter	MW-12D
(DO)	0.41
(PO)	125.4
Alkalinity, total	360
Chloride (as Cl)	190
Iron, dissolved	0.817
Manganese, dissolved	34.7
Ethane	<0.38
Ethene	<0.59
Methane	2.2
Sulfate(as SO4)	49
Total Organic Carbon	2.1

Parameter	MW-105D
(DO)	0.41
(PO)	38.2
Alkalinity, total	380
Chloride (as Cl)	230
Iron, dissolved	2.17
Manganese, dissolved	129
Ethane	<0.38
Ethene	<0.59
Methane	12
Sulfate(as SO4)	57
Total Organic Carbon	1.6

Parameter	MW-14DR
(DO)	0.41
(PO)	69.2
Alkalinity, total	330
Chloride (as Cl)	210
Iron, dissolved	<0.027
Manganese, dissolved	77.0
Ethane	<0.38
Ethene	<0.59
Methane	0.56
Sulfate(as SO4)	25
Total Organic Carbon	1.9

Parameter	MW-103D
(DO)	0.38
(PO)	94.8
Alkalinity, total	350
Chloride (as Cl)	210
Iron, dissolved	0.0556
Manganese, dissolved	262
Ethane	<0.38
Ethene	<0.59
Methane	3.6
Sulfate(as SO4)	53
Total Organic Carbon	5.4

Parameter	MW-5D
(DO)	0.26
(PO)	107.8
Alkalinity, total	340
Chloride (as Cl)	180
Iron, dissolved	1.54
Manganese, dissolved	77.9
Ethane	<0.38
Ethene	<0.59
Methane	5.7
Sulfate(as SO4)	39
Total Organic Carbon	1.7

Field Parameter	Units
Dissolved Oxygen (DO)	mg/L
Oxidation Reduction Potential (PO)	millivolts
Alkalinity, total (as CaCO3)	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

PW-05
PW-11
PW-03
PW-04
PW-09
PW-07
PW-10
PW-08
MW-102S
MW-102D
MW-15D
MW-15S
MW-15B
TW-202I
MW-106S
MW-106D
MW-14DR
MW-4D
MW-4S
MW-101S
MW-101B
MW-3D
MW-3S
MW-2D
MW-1D
MW-1S
MW-103S
OW-6
MW-103D
MW-9S
MW-5D
MW-104S
MW-104D
MW-13D
MW-13S
MW-12S
MW-12B
MW-12D
MW-16S
MW-105S
MW-105D
MW-105B
EVA STREET
COUNTY HWY O
ELM STREET
TOWN OF ASHIPPUN HWY DEPT
HWY DEPT
O.S.
DAVY CREEK
FLOW DIRECTION

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-202I — TEMPORARY WELL

FORMER OECI SITE BOUNDARY

0 100
1" = 100'

Note: Basemap provided by Tetra Tech

HYDE ENVIRONMENTAL, INC.

Figure 15

NOVEMBER 2022 SAMPLING EVENT MID-DEPTH MONITORING WELLS MONITORED NATURAL ATTENUATION PARAMETERS

Oconomowoc Electroplating Company, Inc.
Ashippun, WI

10/19/2023

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Parameter	MW-3D
(DO)	0.44
(PO)	118.4
Alkalinity, total	330
Chloride (as Cl)	190
Iron, dissolved	0.386
Manganese, dissolved	55.4
Ethane	<0.38
Ethene	<0.59
Methane	2.0
Sulfate(as SO4)	38
Total Organic Carbon	1.3

Parameter	MW-15B
(DO)	0.27
(PO)	-48.1
Alkalinity, total	260
Chloride (as Cl)	430
Iron, dissolved	3.89
Manganese, dissolved	372
Ethane	<0.38
Ethene	<0.59
Methane	570
Sulfate(as SO4)	1.5
Total Organic Carbon	0.76

Parameter	MW-12B
(DO)	2.12
(PO)	96
Alkalinity, total	250
Chloride (as Cl)	130
Iron, dissolved	<0.027
Manganese, dissolved	<1.2
Ethane	<0.38
Ethene	<0.59
Methane	<0.45
Sulfate(as SO4)	24
Total Organic Carbon	0.86

Parameter	OW-6
(DO)	0.67
(PO)	39.3
Alkalinity, total	270
Chloride (as Cl)	110
Iron, dissolved	<0.027
Manganese, dissolved	1.3
Ethane	<0.38
Ethene	<0.59
Methane	<0.45
Sulfate(as SO4)	15
Total Organic Carbon	0.93

Parameter	MW-2D
(DO)	0.40
(PO)	83.9
Alkalinity, total	340
Chloride (as Cl)	180
Iron, dissolved	0.822
Manganese, dissolved	23.2
Ethane	<0.38
Ethene	<0.59
Methane	6.8
Sulfate(as SO4)	38
Total Organic Carbon	1.4

Parameter	MW-101B
(DO)	0.62
(PO)	54.3
Alkalinity, total	330
Chloride (as Cl)	160
Iron, dissolved	<0.027
Manganese, dissolved	70
Ethane	<0.38
Ethene	<0.59
Methane	13
Sulfate(as SO4)	39
Total Organic Carbon	1.3

Parameter	MW-1D
(DO)	0.19
(PO)	-77.8
Alkalinity, total	320
Chloride (as Cl)	4.8
Iron, dissolved	2.71
Manganese, dissolved	19.8
Ethane	<0.38
Ethene	<0.59
Methane	1000
Sulfate(as SO4)	0.86
Total Organic Carbon	0.58

Parameter	MW-105B
(DO)	0.13
(PO)	-83.3
Alkalinity, total	340
Chloride (as Cl)	74
Iron, dissolved	2.52
Manganese, dissolved	241
Ethane	<0.38
Ethene	<0.59
Methane	430
Sulfate(as SO4)	1.5
Total Organic Carbon	0.73

Field Parameter	Units
Dissolved Oxygen (DO)	mg/L
Oxidation Reduction Potential (PO)	millivolts
Alkalinity, total (as CaCO3)	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

PW-05
PW-11
PW-03
PW-04
PW-09
MW-102S
MW-102D
MW-14DR
MW-4D
MW-4S
MW-101S
MW-101B
PW-07
EVA STREET
MW-15D
MW-15S
MW-15B
PW-10
MW-3D
MW-3S
MW-2D
PW-08
TW-202I
MW-106S
MW-106D
MW-1D
MW-1S
MW-103S
OW-6
MW-9S
MW-103D
ELM STREET
TOWN OF ASHIPPUN HWY DEPT
MW-13D
MW-13S
MW-12S
MW-12B
MW-12D
MW-5D
HWY DEPT
MW-104S
MW-104D
ATHLETIC FIELD
MW-105S
MW-105D
MW-105B
MW-16S
DAVY CREEK
FLOW DIRECTION

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–202I TEMPORARY WELL

FORMER OECI SITE BOUNDARY

0 100
1" = 100'

Note: Basemap provided by Tetra Tech

HYDE ENVIRONMENTAL, INC.

Figure 16

NOVEMBER 2022 SAMPLING EVENT BEDROCK MONITORING WELLS MONITORED NATURAL ATTENUATION PARAMETERS

Oconomowoc Electroplating Company, Inc.
Ashippun, WI

10/19/2023

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TABLES

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

Well ID	Type	Reference TOC Elevation ft MSL	Screen Length ft	Date Measured	Depth to Groundwater (from TOC) ft btoc	Groundwater Elevation ft MSL	Depth to Bottom of Well (from TOC) ft btoc	Height of Water Column in Well feet
MW-1S	WT	853.42	10.	12/10/14	6.68	846.74	17.59	10.91
MW-1S	WT	853.42	10.	05/04/15	5.39	848.03	17.59	12.20
MW-1S	WT	853.42	10.	11/02/15	6.57	846.85	17.59	11.02
MW-1S	WT	853.42	10.	05/09/16	5.57	847.85	17.59	12.02
MW-1S	WT	853.42	10.	10/31/16	4.74	848.68	17.59	12.85
MW-1S	WT	853.42	10.	05/08/17	4.92	848.50	17.59	12.67
MW-1S	WT	853.42	10.	11/28/17	6.37	847.05	17.59	11.22
MW-1S	WT	853.42	10.	11/06/18	4.52	848.90	17.59	13.07
MW-1S	WT	853.42	10.	11/30/21	7.79	845.63	17.62	9.83
MW-1S	WT	853.42	10.	11/14/22	5.20	848.22	17.62	12.42
MW-1D	BR	853.14	10.	12/10/14	7.07	846.07	50.72	43.65
MW-1D	BR	853.14	10.	05/04/15	5.32	847.82	50.72	45.40
MW-1D	BR	853.14	10.	11/02/15	6.94	846.20	50.72	43.78
MW-1D	BR	853.14	10.	05/09/16	5.07	848.07	50.72	45.65
MW-1D	BR	853.14	10.	10/31/16	4.62	848.52	50.72	46.10
MW-1D	BR	853.14	10.	05/08/17	4.59	848.55	50.72	46.13
MW-1D	BR	853.14	10.	11/28/17	6.73	846.41	50.72	43.99
MW-1D	BR	853.14	10.	11/06/18	4.69	848.45	50.72	46.03
MW-1D	BR	853.14	10.	11/30/21	7.62	845.52	50.73	43.11
MW-1D	BR	853.14	10.	11/14/22	6.64	846.50	50.73	44.09
MW-2D	BR	852.36	10.	12/11/14	5.94	846.42	43.48	37.54
MW-2D	BR	852.36	10.	05/04/15	4.90	847.46	43.48	38.58
MW-2D	BR	852.36	10.	11/02/15	6.02	846.34	43.48	37.46
MW-2D	BR	852.36	10.	05/09/16	5.03	847.33	43.48	38.45
MW-2D	BR	852.36	10.	10/31/16	4.21	848.15	43.48	39.27
MW-2D	BR	852.36	10.	05/08/17	4.11	848.25	43.48	39.37
MW-2D	BR	852.36	10.	11/28/17	5.55	846.81	43.48	37.93
MW-2D	BR	852.36	10.	11/06/18	4.03	848.33	43.48	39.45
MW-2D	BR	852.36	10.	11/30/21	6.74	845.62	43.54	36.80
MW-2D	BR	852.36	10.	11/14/22	5.02	847.34	43.54	38.52
MW-3D	BR	853.51	10.	12/10/14	7.56	845.95	50.56	43.00
MW-3D	BR	853.51	10.	05/04/15	5.98	847.53	50.56	44.58
MW-3D	BR	853.51	10.	11/02/15	8.12	845.39	50.56	42.44
MW-3D	BR	853.51	10.	05/09/16	7.21	846.30	50.56	43.35
MW-3D	BR	853.51	10.	10/31/16	6.25	847.26	50.56	44.31
MW-3D	BR	853.51	10.	05/08/17	6.20	847.31	50.56	44.36
MW-3D	BR	853.51	10.	11/28/17	7.65	845.86	50.56	42.91
MW-3D	BR	853.51	10.	11/06/18	6.07	847.44	50.56	44.49
MW-3D	BR	853.51	10.	11/30/21	7.14	846.37	50.54	43.40
MW-3D	BR	853.51	10.	11/14/22	7.95	845.56	50.54	42.59

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

Well ID	Type	Reference TOC Elevation ft MSL	Screen Length ft	Date Measured	Depth to Groundwater (from TOC) ft btoc	Groundwater Elevation ft MSL	Depth to Bottom of Well (from TOC) ft btoc	Height of Water Column in Well feet
MW-4S	WT	854.58	10.	12/11/14	8.37	846.21	18.09	9.72
MW-4S	WT	854.58	10.	05/04/15	6.62	847.96	18.09	11.47
MW-4S	WT	854.58	10.	11/02/15	8.28	846.30	18.09	9.81
MW-4S	WT	854.58	10.	05/09/16	6.71	847.87	18.09	11.38
MW-4S	WT	854.58	10.	10/31/16	5.88	848.70	18.09	12.21
MW-4S	WT	854.58	10.	05/08/17	5.98	848.60	18.09	12.11
MW-4S	WT	854.58	10.	11/28/17	7.88	846.70	18.09	10.21
MW-4S	WT	854.58	10.	11/06/18	5.78	848.80	18.09	12.31
MW-4S	WT	854.58	10.	11/30/21	9.22	845.36	18.08	8.86
MW-4S	WT	854.58	10.	11/14/22	6.55	848.03	18.08	11.53
MW-4D	BR	854.63	10.	05/04/15	7.41	847.22		
MW-4D	BR	854.63	10.	11/02/15	8.74	845.89		
MW-4D	BR	854.63	10.	05/09/16	7.37	847.26		
MW-4D	BR	854.63	10.	10/31/16	6.20	848.43		
MW-4D	BR	854.63	10.	05/08/17	6.33	848.30		
MW-4D	BR	854.63	10.	11/28/17	8.26	846.37		
MW-4D	BR	854.63	10.	11/06/18	6.01	848.62		
MW-4D	BR	854.63	10.	11/30/21	9.46	845.17	18.22	8.76
MW-4D	BR	854.63	10.	11/14/22	7.03	845.17	18.22	11.19
MW-5D	Pz	848.80	5.	12/10/14	3.95	844.85	24.45	20.50
MW-5D	Pz	848.80	5.	05/04/15	2.52	846.28	24.45	21.93
MW-5D	Pz	848.80	5.	11/02/15	3.26	845.54	24.45	21.19
MW-5D	Pz	848.80	5.	05/09/16	3.72	845.08	24.45	20.73
MW-5D	Pz	848.80	5.	10/31/16	2.05	846.75	24.45	22.40
MW-5D	Pz	848.80	5.	05/08/17	2.21	846.59	24.45	22.24
MW-5D	Pz	848.80	5.	11/28/17	3.09	845.71	24.45	21.36
MW-5D	Pz	848.80	5.	11/06/18	1.95	846.85	24.45	22.50
MW-5D	Pz	848.80	5.	11/30/21	4.16	844.64	24.55	20.39
MW-5D	Pz	848.80	5.	11/14/22	3.17	845.63	24.55	21.38
MW-9S	WT	851.57	10.	12/10/14	5.53	846.04	22.33	16.80
MW-9S	WT	851.57	10.	05/04/15	4.50	847.07	22.33	17.83
MW-9S	WT	851.57	10.	11/02/15	5.28	846.29	22.33	17.05
MW-9S	WT	851.57	10.	05/09/16	4.77	846.80	22.33	17.56
MW-9S	WT	851.57	10.	10/31/16	4.08	847.49	22.33	18.25
MW-9S	WT	851.57	10.	05/08/17	4.17	847.40	22.33	18.16
MW-9S	WT	851.57	10.	11/28/17	5.06	846.51	22.33	17.27
MW-9S	WT	851.57	10.	11/06/18	3.79	847.78	22.33	18.54
MW-9S	WT	851.57	10.	11/30/21	6.34	845.23	22.33	15.99
MW-9S	WT	851.57	10.	11/14/22	4.41	847.16	22.33	17.92

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

Well ID	Type	Reference TOC Elevation ft MSL	Screen Length ft	Date Measured	Depth to Groundwater (from TOC) ft btoc	Groundwater Elevation ft MSL	Depth to Bottom of Well (from TOC) ft btoc	Height of Water Column in Well feet
MW-12S	WT	849.17	10.	12/11/14	4.24	844.93	14.89	10.65
MW-12S	WT	849.17	10.	05/04/15	3.79	845.38	14.89	11.10
MW-12S	WT	849.17	10.	11/02/15	4.34	844.83	14.89	10.55
MW-12S	WT	849.17	10.	05/09/16	4.00	845.17	14.89	10.89
MW-12S	WT	849.17	10.	10/31/16	3.22	845.95	14.89	11.67
MW-12S	WT	849.17	10.	05/08/17	3.42	845.75	14.89	11.47
MW-12S	WT	849.17	10.	11/28/17	4.12	845.05	14.89	10.77
MW-12S	WT	849.17	10.	11/06/18	3.12	846.05	14.89	11.77
MW-12S	WT	849.17	10.	11/30/21	5.01	844.16	14.78	9.77
MW-12S	WT	849.17	10.	11/14/22	4.20	844.97	14.78	10.58
MW-12D	Pz	848.31	5.	12/11/14	2.96	845.35	25.11	22.15
MW-12D	Pz	848.31	5.	05/04/15	2.19	846.12	25.11	22.92
MW-12D	Pz	848.31	5.	11/02/15	4.06	844.25	25.11	21.05
MW-12D	Pz	848.31	5.	05/09/16	2.44	845.87	25.11	22.67
MW-12D	Pz	848.31	5.	10/31/16	1.62	846.69	25.11	23.49
MW-12D	Pz	848.31	5.	05/08/17	1.63	846.68	25.11	23.48
MW-12D	Pz	848.31	5.	11/28/17	2.22	846.09	25.11	22.89
MW-12D	Pz	848.31	5.	11/06/18	1.39	846.92	25.11	23.72
MW-12D	Pz	848.31	5.	11/30/21	3.99	844.32	25.19	21.20
MW-12D	Pz	848.31	5.	11/14/22	2.53	845.78	25.19	22.66
MW-12B	BR	849.40	5.	12/11/14	4.15	845.25	44.55	40.40
MW-12B	BR	849.40	5.	05/04/15	3.19	846.21	44.55	41.36
MW-12B	BR	849.40	5.	11/02/15	4.11	845.29	44.55	40.44
MW-12B	BR	849.40	5.	05/09/16	3.37	846.03	44.55	41.18
MW-12B	BR	849.40	5.	10/31/16	2.65	846.75	44.55	41.90
MW-12B	BR	849.40	5.	05/08/17	2.65	846.75	44.55	41.90
MW-12B	BR	849.40	5.	11/28/17	3.77	845.63	44.55	40.78
MW-12B	BR	849.40	5.	11/06/18	2.41	846.99	44.55	42.14
MW-12B	BR	849.40	5.	11/30/21	4.98	844.42	44.62	39.64
MW-12B	BR	849.40	5.	11/14/22	4.21	845.19	44.62	40.41
MW-13S	WT	850.91	10.	12/11/14	5.83	845.08	15.31	9.48
MW-13S	WT	850.91	10.	05/04/15	4.98	845.93	15.31	10.33
MW-13S	WT	850.91	10.	11/02/15	5.96	844.95	15.31	9.35
MW-13S	WT	850.91	10.	05/09/16	5.16	845.75	15.31	10.15
MW-13S	WT	850.91	10.	10/31/16	4.46	846.45	15.31	10.85
MW-13S	WT	850.91	10.	05/08/17	4.45	846.46	15.31	10.86
MW-13S	WT	850.91	10.	11/28/17	5.61	845.30	15.31	9.70
MW-13S	WT	850.91	10.	11/06/18	4.32	846.59	15.31	10.99
MW-13S	WT	850.91	10.	11/30/21	6.88	844.03	15.39	8.51
MW-13S	WT	850.91	10.	11/14/22	5.26	845.65	15.39	10.13

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

Well ID	Type	Reference TOC Elevation ft MSL	Screen Length ft	Date Measured	Depth to Groundwater (from TOC) ft btoc	Groundwater Elevation ft MSL	Depth to Bottom of Well (from TOC) ft btoc	Height of Water Column in Well feet
MW-13D	Pz	850.02	5.	12/11/14	4.84	845.18	31.94	27.10
MW-13D	Pz	850.02	5.	05/04/15	3.92	846.10	31.94	28.02
MW-13D	Pz	850.02	5.	11/02/15	4.82	845.20	31.94	27.12
MW-13D	Pz	850.02	5.	05/09/16	4.20	845.82	31.94	27.74
MW-13D	Pz	850.02	5.	10/31/16	3.34	846.68	31.94	28.60
MW-13D	Pz	850.02	5.	05/08/17	3.33	846.69	31.94	28.61
MW-13D	Pz	850.02	5.	11/28/17	4.48	845.54	31.94	27.46
MW-13D	Pz	850.02	5.	11/06/18	3.15	846.87	31.94	28.79
MW-13D	Pz	850.02	5.	11/30/21	5.65	844.37	31.94	26.29
MW-13D	Pz	850.02	5.	11/14/22	4.15	845.87	31.94	27.79
MW-15S	WT	854.68	10.	12/08/14	9.32	845.36	16.17	6.85
MW-15S	WT	854.68	10.	05/04/15	7.96	846.72	16.17	8.21
MW-15S	WT	854.68	10.	11/02/15	9.39	845.29	16.17	6.78
MW-15S	WT	854.68	10.	05/09/16	8.11	846.57	16.17	8.06
MW-15S	WT	854.68	10.	10/31/16	7.06	847.62	16.17	9.11
MW-15S	WT	854.68	10.	05/08/17	6.93	847.75	16.17	9.24
MW-15S	WT	854.68	10.	11/28/17	8.88	845.80	16.17	7.29
MW-15S	WT	854.68	10.	11/06/18	7.33	847.35	16.17	8.84
MW-15S	WT	854.68	10.	11/30/21	9.94	844.74	16.42	6.48
MW-15S	WT	854.68	10.	11/14/22	7.24	847.44	16.42	9.18
MW-15D	Pz	855.30	10.	12/09/14	9.91	845.39	39.19	29.28
MW-15D	Pz	855.30	10.	05/04/15	8.90	846.40	39.19	30.29
MW-15D	Pz	855.30	10.	11/02/15	9.99	845.31	39.19	29.20
MW-15D	Pz	855.30	10.	05/09/16	9.40	845.90	39.19	29.79
MW-15D	Pz	855.30	10.	10/31/16	8.28	847.02	39.19	30.91
MW-15D	Pz	855.30	10.	05/08/17	8.20	847.10	39.19	30.99
MW-15D	Pz	855.30	10.	11/28/17	9.54	845.76	39.19	29.65
MW-15D	Pz	855.30	10.	11/06/18	8.06	847.24	39.19	31.13
MW-15D	Pz	855.30	10.	11/30/21	10.94	844.36	39.32	28.38
MW-15D	Pz	855.30	10.	11/14/22	9.05	846.25	39.32	30.27
MW-15B	BR	854.35	5.	12/08/14	10.46	843.89	57.06	46.60
MW-15B	BR	854.35	5.	05/04/15	13.61	840.74	57.06	43.45
MW-15B	BR	854.35	5.	11/02/15	14.25	840.10	57.06	42.81
MW-15B	BR	854.35	5.	05/09/16	12.97	841.38	57.06	44.09
MW-15B	BR	854.35	5.	10/31/16	14.08	840.27	57.06	42.98
MW-15B	BR	854.35	5.	05/08/17	13.39	840.96	57.06	43.67
MW-15B	BR	854.35	5.	11/28/17	12.90	841.45	57.06	44.16
MW-15B	BR	854.35	5.	11/06/18	0.00*	854.35	57.06	57.06
MW-15B	BR	854.35	5.	11/30/21	9.83	844.52	57.93	48.10
MW-15B	BR	854.35	5.	11/14/22	8.89	845.46	57.93	49.04

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

Well ID	Type	Reference TOC Elevation ft MSL	Screen Length ft	Date Measured	Depth to Groundwater (from TOC) ft btoc	Groundwater Elevation ft MSL	Depth to Bottom of Well (from TOC) ft btoc	Height of Water Column in Well feet
MW-16S	BR	847.90	10.	12/18/14	0.94	846.96	14.42	13.48
MW-16S	WT	847.90	10.	05/04/15	2.64	845.26	14.42	11.78
MW-16S	WT	847.90	10.	11/02/15	3.08	844.82	14.42	11.34
MW-16S	WT	847.90	10.	05/09/16	2.81	845.09	14.42	11.61
MW-16S	WT	847.90	10.	11/04/16	2.19	845.71	14.42	12.23
MW-16S	WT	847.90	10.	05/12/17	2.52	845.38	14.42	11.90
MW-16S	WT	847.90	10.	11/28/17	2.76	845.14	14.42	11.66
MW-16S	WT	847.90	10.	11/19/18	2.94	844.96	14.42	11.48
MW-16S	WT	847.90	10.	11/30/21	3.96	843.94	14.51	10.55
MW-16S	WT	847.90	10.	11/14/22	2.94	844.96	14.51	11.57
MW-101S	WT	851.24	10.	12/09/14	5.29	845.95	12.41	7.12
MW-101S	WT	851.24	10.	05/04/15	3.64	847.60	12.41	8.77
MW-101S	WT	851.24	10.	11/02/15	5.32	845.92	12.41	7.09
MW-101S	WT	851.24	10.	05/09/16	3.74	847.50	12.41	8.67
MW-101S	WT	851.24	10.	10/31/16	2.88	848.36	12.41	9.53
MW-101S	WT	851.24	10.	05/08/17	2.62	848.62	12.41	9.79
MW-101S	WT	851.24	10.	11/28/17	4.86	846.38	12.41	7.55
MW-101S	WT	851.24	10.	11/06/18	2.70	848.54	12.41	9.71
MW-101S	WT	851.24	10.	11/30/21	6.01	845.23	12.51	6.50
MW-101S	WT	851.24	10.	11/14/22	3.74	847.50	12.51	8.77
MW-101B	BR	851.08	5.	12/09/14	5.46	845.62	48.75	43.29
MW-101B	BR	851.08	5.	05/04/15	4.33	846.75	48.75	44.42
MW-101B	BR	851.08	5.	11/02/15	5.52	845.56	48.75	43.23
MW-101B	BR	851.08	5.	05/09/16	4.60	846.48	48.75	44.15
MW-101B	BR	851.08	5.	10/31/16	2.87	848.21	48.75	45.88
MW-101B	BR	851.08	5.	05/08/17	3.44	847.64	48.75	45.31
MW-101B	BR	851.08	5.	11/28/17	5.09	845.99	48.75	43.66
MW-101B	BR	851.08	5.	11/06/18	3.29	847.79	48.75	45.46
MW-101B	BR	851.08	5.	11/30/21	6.11	844.97	48.74	42.63
MW-101B	BR	851.08	5.	11/14/22	4.37	846.71	48.74	44.37
MW-102S	WT	853.65	10.	12/09/14	7.41	846.24	15.56	8.15
MW-102S	WT	853.65	10.	05/04/15	7.05	846.60	15.56	8.51
MW-102S	WT	853.65	10.	11/02/15	8.58	845.07	15.56	6.98
MW-102S	WT	853.65	10.	05/09/16	7.14	846.51	15.56	8.42
MW-102S	WT	853.65	10.	10/31/16	6.02	847.63	15.56	9.54
MW-102S	WT	853.65	10.	05/08/17	5.94	847.71	15.56	9.62
MW-102S	WT	853.65	10.	11/28/17	8.04	845.61	15.56	7.52
MW-102S	WT	853.65	10.	11/06/18	6.14	847.51	15.56	9.42
MW-102S	WT	853.65	10.	11/30/21	9.13	844.52	15.65	6.52
MW-102S	WT	853.65	10.	11/14/22	7.35	846.30	15.65	8.30

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

Well ID	Type	Reference TOC Elevation ft MSL	Screen Length ft	Date Measured	Depth to Groundwater (from TOC) ft btoc	Groundwater Elevation ft MSL	Depth to Bottom of Well (from TOC) ft btoc	Height of Water Column in Well feet
MW-102D	Pz	853.70	5.	12/09/14	8.39	845.31	48.36	39.97
MW-102D	Pz	853.70	5.	05/04/15	7.32	846.38	48.36	41.04
MW-102D	Pz	853.70	5.	11/02/15	8.29	845.41	48.36	40.07
MW-102D	Pz	853.70	5.	05/09/16	7.56	846.14	48.36	40.80
MW-102D	Pz	853.70	5.	10/31/16	6.80	846.90	48.36	41.56
MW-102D	Pz	853.70	5.	05/08/17	6.51	847.19	48.36	41.85
MW-102D	Pz	853.70	5.	11/28/17	8.00	845.70	48.36	40.36
MW-102D	Pz	853.70	5.	11/06/18	6.35	847.35	48.36	42.01
MW-102D	Pz	853.70	5.	11/30/21	8.21	845.49	49.03	40.82
MW-102D	Pz	853.70	5.	11/14/22	7.61	846.09	49.03	41.42
MW-103S	WT	851.84	10.	12/08/14	6.37	845.47	16.57	10.20
MW-103S	WT	851.84	10.	05/04/15	5.49	846.35	16.57	11.08
MW-103S	WT	851.84	10.	11/04/15	6.62	845.22	16.57	9.95
MW-103S	WT	851.84	10.	05/09/16	5.61	846.23	16.57	10.96
MW-103S	WT	851.84	10.	10/31/16	4.97	846.87	16.57	11.60
MW-103S	WT	851.84	10.	05/08/17	5.24	846.60	16.57	11.33
MW-103S	WT	851.84	10.	11/28/17	6.39	845.45	16.57	10.18
MW-103S	WT	851.84	10.	11/06/18	4.44	847.40	16.57	12.13
MW-103S	WT	851.84	10.	11/30/21	7.59	844.25	16.64	9.05
MW-103S	WT	851.84	10.	11/14/22	5.68	846.16	16.64	10.96
MW-103D	Pz	851.97	5.	12/17/14	6.52	845.45	26.86	20.34
MW-103D	Pz	851.97	5.	05/04/15	5.45	846.52	26.86	21.41
MW-103D	Pz	851.97	5.	11/02/15	6.29	845.68	26.86	20.57
MW-103D	Pz	851.97	5.	05/09/16	5.65	846.32	26.86	21.21
MW-103D	Pz	851.97	5.	10/31/16	4.86	847.11	26.86	22.00
MW-103D	Pz	851.97	5.	05/08/17	5.02	846.95	26.86	21.84
MW-103D	Pz	851.97	5.	11/28/17	6.15	845.82	26.86	20.71
MW-103D	Pz	851.97	5.	11/06/18	4.35	847.62	26.86	22.51
MW-103D	Pz	851.97	5.	11/30/21	7.33	844.64	26.91	19.58
MW-103D	Pz	851.97	5.	11/14/22	5.18	846.79	26.91	21.73
MW-104S	WT	850.56	10.	05/04/15	4.19	846.37	14.53	10.34
MW-104S	WT	850.56	10.	11/02/15	4.59	845.97	14.53	9.94
MW-104S	WT	850.56	10.	05/09/16	4.27	846.29	14.53	10.26
MW-104S	WT	850.56	10.	10/31/16	3.67	846.89	14.53	10.86
MW-104S	WT	850.56	10.	05/08/17	3.89	846.67	14.53	10.64
MW-104S	WT	850.27	10.	11/28/17	4.32	845.95	14.53	10.21
MW-104S	WT	850.27	10.	11/06/18	3.14	847.13	14.53	11.39
MW-104S	WT	850.27	10.	11/30/21	5.55	844.72	14.24	8.69
MW-104S	WT	850.27	10.	11/14/22	3.45	846.82	14.24	10.79

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

Well ID	Type	Reference TOC Elevation ft MSL	Screen Length ft	Date Measured	Depth to Groundwater (from TOC) ft btoc	Groundwater Elevation ft MSL	Depth to Bottom of Well (from TOC) ft btoc	Height of Water Column in Well feet
MW-104D	Pz	850.57	5.	05/04/15	4.06	846.51	27.64	23.58
MW-104D	Pz	850.57	5.	11/02/15	4.70	845.87	27.64	22.94
MW-104D	Pz	850.57	5.	05/09/16	4.46	846.11	27.64	23.18
MW-104D	Pz	850.57	5.	10/31/16	3.55	847.02	27.64	24.09
MW-104D	Pz	850.57	5.	05/08/17	3.75	846.82	27.64	23.89
MW-104D	Pz	850.22	5.	11/28/17	4.21	846.01	27.64	23.43
MW-104D	Pz	850.22	5.	11/06/18	2.90	847.32	27.64	24.74
MW-104D	Pz	850.22	5.	11/30/21	5.11	845.11	27.32	22.21
MW-104D	Pz	850.22	5.	11/14/22	3.38	846.84	27.32	23.94
MW-105S	WT	849.01	10.	12/10/14	4.03	844.98	15.58	11.55
MW-105S	WT	849.01	10.	05/04/15	3.38	845.63	15.58	12.20
MW-105S	WT	849.01	10.	11/02/15	3.82	845.19	15.58	11.76
MW-105S	WT	849.01	10.	05/09/16	3.50	845.51	15.58	12.08
MW-105S	WT	849.01	10.	10/31/16	2.99	846.02	15.58	12.59
MW-105S	WT	849.01	10.	05/08/17	3.10	845.91	15.58	12.48
MW-105S	WT	849.01	10.	11/28/17	3.70	845.31	15.58	11.88
MW-105S	WT	849.01	10.	11/06/18	2.90	846.11	15.58	12.68
MW-105S	WT	849.01	10.	11/30/21	5.19	843.82	15.69	10.50
MW-105S	WT	849.01	10.	11/14/22	4.12	844.89	15.69	11.57
MW-105D	Pz	848.90	5.	12/10/14	3.52	845.38	29.61	26.09
MW-105D	Pz	848.90	5.	05/04/15	2.80	846.10	29.61	26.81
MW-105D	Pz	848.90	5.	11/02/15	3.60	845.30	29.61	26.01
MW-105D	Pz	848.90	5.	05/09/16	2.95	845.95	29.61	26.66
MW-105D	Pz	848.90	5.	10/31/16	2.32	846.58	29.61	27.29
MW-105D	Pz	848.90	5.	05/08/17	2.25	846.65	29.61	27.36
MW-105D	Pz	848.90	5.	11/28/17	3.29	845.61	29.61	26.32
MW-105D	Pz	848.90	5.	11/06/18	1.98	846.92	29.61	27.63
MW-105D	Pz	848.90	5.	11/30/21	4.51	844.39	29.65	25.14
MW-105D	Pz	848.90	5.	11/14/22	3.02	845.88	29.65	26.63
MW-105B	BR	848.90	5.	12/10/14	2.82	846.08	47.13	44.31
MW-105B	BR	848.90	5.	05/04/15	2.74	846.16	47.13	44.39
MW-105B	BR	848.90	5.	11/02/15	3.84	845.06	47.13	43.29
MW-105B	BR	848.90	5.	05/09/16	2.91	845.99	47.13	44.22
MW-105B	BR	848.90	5.	10/31/16	2.08	846.82	47.13	45.05
MW-105B	BR	848.90	5.	05/08/17	2.12	846.78	47.13	45.01
MW-105B	BR	848.90	5.	11/28/17	3.32	845.58	47.13	43.81
MW-105B	BR	848.90	5.	11/06/18	2.30	846.60	47.13	44.83
MW-105B	BR	848.90	5.	11/30/21	4.53	844.37	47.17	42.64
MW-105B	BR	848.90	5.	11/14/22	3.96	844.94	47.17	43.21

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

Well ID	Type	Reference TOC Elevation ft MSL	Screen Length ft	Date Measured	Depth to Groundwater (from TOC) ft btoc	Groundwater Elevation ft MSL	Depth to Bottom of Well (from TOC) ft btoc	Height of Water Column in Well feet
MW-106S	WT	848.92	10.	05/04/15	3.81	845.11	17.31	13.50
MW-106S	WT	848.92	10.	11/02/15	4.41	844.51	17.31	12.90
MW-106S	WT	848.92	10.	05/09/16	4.19	844.73	17.31	13.12
MW-106S	WT	848.92	10.	10/31/16	3.09	845.83	17.31	14.22
MW-106S	WT	848.92	10.	05/08/17	3.30	845.62	17.31	14.01
MW-106S	WT	848.92	10.	11/28/17	4.16	844.76	17.31	13.15
MW-106S	WT	848.92	10.	11/06/18	2.86	846.06	17.31	14.45
MW-106S	WT	848.92	10.	11/30/21	5.15	843.77	17.16	12.01
MW-106S	WT	848.92	10.	11/14/22	3.80	845.12	17.16	13.36
MW-106D	Pz	849.01	5.	05/04/15	2.85	846.16	56.72	53.87
MW-106D	Pz	849.01	5.	11/02/15	3.71	845.30	56.72	53.01
MW-106D	Pz	849.01	5.	05/09/16	3.12	845.89	56.72	53.60
MW-106D	Pz	849.01	5.	10/31/16	2.24	846.77	56.72	54.48
MW-106D	Pz	849.01	5.	05/08/17	2.25	846.76	56.72	54.47
MW-106D	Pz	849.01	5.	11/28/17	3.36	845.65	56.72	53.36
MW-106D	Pz	849.01	5.	11/06/18	1.99	847.02	56.72	54.73
MW-106D	Pz	849.01	5.	11/30/21	4.63	844.38	52.22	47.59
MW-106D	Pz	849.01	5.	11/14/22	3.18	845.83	52.22	49.04
TW-202I	Pz	851.13	5.	12/10/14	5.95	845.18	20.98	15.03
TW-202I	Pz	851.13	5.	05/04/15	4.72	846.41	20.98	16.26
TW-202I	Pz	851.13	5.	11/02/15	5.80	845.33	20.98	15.18
TW-202I	Pz	851.13	5.	05/09/16	4.82	846.31	20.98	16.16
TW-202I	Pz	851.13	5.	10/31/16	3.91	847.22	20.98	17.07
TW-202I	Pz	851.13	5.	05/08/17	3.89	847.24	20.98	17.09
TW-202I	Pz	852.62	5.	11/28/17	6.84	845.78	20.98	14.14
TW-202I	Pz	852.62	5.	11/06/18	5.35	847.27	20.98	15.63
TW-202I	Pz	852.62	5.	11/30/21	7.92	844.70	22.39	14.47
TW-202I	Pz	852.62	5.	11/14/22	6.38	846.24	22.39	16.01
OW-6	BR	851.99	5.	12/11/14	6.34	845.65	50.56	44.22
OW-6	BR	851.99	5.	05/04/15	5.27	846.72	50.56	45.29
OW-6	BR	851.99	5.	11/02/15	6.69	845.30	50.56	43.87
OW-6	BR	851.99	5.	05/09/16	5.32	846.67	50.56	45.24
OW-6	BR	851.99	5.	10/31/16	4.79	847.20	50.56	45.77
OW-6	BR	851.99	5.	05/08/17	4.49	847.50	50.56	46.07
OW-6	BR	851.99	5.	11/28/17	6.08	845.91	50.56	44.48
OW-6	BR	851.99	5.	11/06/18	4.94	847.05	50.56	45.62
OW-6	BR	851.99	5.	11/30/21	6.13	845.86	50.68	44.55
OW-6	BR	851.99	5.	11/14/22	6.39	845.60	50.68	44.29

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

Well ID	Type	Reference TOC Elevation ft MSL	Screen Length ft	Date Measured	Depth to Groundwater (from TOC) ft btoc	Groundwater Elevation ft MSL	Depth to Bottom of Well (from TOC) ft btoc	Height of Water Column in Well feet
MW-14DR	Pz	851.00	10.	12/15/14	5.51	845.49	31.74	26.23
MW-14DR	Pz	851.00	10.	05/04/15	3.58	847.42	31.74	28.16
MW-14DR	Pz	851.00	10.	11/02/15	5.23	845.77	31.74	26.51
MW-14DR	Pz	851.00	10.	05/09/16	4.18	846.82	31.74	27.56
MW-14DR	Pz	851.00	10.	10/31/16	3.38	847.62	31.74	28.36
MW-14DR	Pz	851.00	10.	05/08/17	3.06	847.94	31.74	28.68
MW-14DR	Pz	851.00	10.	11/28/17	4.94	846.06	31.74	26.80
MW-14DR	Pz	851.00	10.	11/06/18	2.87	848.13	31.74	28.87
MW-14DR	Pz	851.00	10.	11/30/21	6.16	844.84	31.82	25.66
MW-14DR	Pz	851.00	10.	11/14/22	3.67	847.33	31.82	28.15

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
Oconomowoc 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	**850.27	10.0	845.90	835.90					5/4/2015	4.19	846.37		11/2/2015	4.59	845.97	
MW-104D	850.90	**850.22	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 = fe 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.

** = Top of casing changed 10/27/17 when new flush mount cover installed

TABLE 2. VERTICAL GRADIENT CALCULATIONS
Oconomowoc 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	**850.27	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	**850.22	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 = fe ft MSL = feet above Mean Sea Level

ft btoc = feet below top of well casing

* = Water level not representative of site conditions because well ca

** = Top of casing changed 10/27/17 when new flush mount cover ir

TABLE 2. VERTICAL GRADIENT CALCULATIONS
Oconomowoc 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	**850.27	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	844.72	
MW-104D	850.90	**850.22	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	845.11	-0.0202
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 = fe ft MSL = feet above Mean Sea Level

ft btoc = feet below top of well casing

* = Water level not representative of site conditions because well ca

** = Top of casing changed 10/27/17 when new flush mount cover ir

TABLE 2. VERTICAL GRADIENT CALCULATIONS
Oconomowoc 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)
MW-1S	851.75	853.42	10.0	845.95	835.95	11/14/2022	5.20	848.22	
MW-1D	851.68	853.14	10.0	809.58	799.58	11/14/2022	6.64	846.50	0.0394
MW-4S	852.06	854.58	10.0	847.26	837.26	11/14/2022	6.55	848.03	
MW-4D	852.08	854.63	10.0	812.18	802.18	11/14/2022	7.03	845.17	0.0700
MW-12S	846.73	849.17	10.0	843.73	833.73	11/14/2022	4.20	844.97	
MW-12D	846.52	848.31	5.0	828.52	823.52	11/14/2022	2.53	845.78	-0.0427
MW-12B	847.01	849.40	5.0	811.01	806.01	11/14/2022	4.21	845.19	0.0337
MW-13S	847.67	850.91	10.0	844.67	834.67	11/14/2022	5.26	845.65	
MW-13D	847.40	850.02	5.0	823.40	818.40	11/14/2022	4.15	845.87	-0.0089
MW-15S	855.10	854.68	10.0	848.60	838.60	11/14/2022	7.24	847.44	
MW-15D	855.53	855.30	10.0	823.53	813.53	11/14/2022	9.05	846.25	0.0412
MW-15B	854.80	854.35	5.0	802.30	797.30	11/14/2022	8.89	845.46	0.0170
MW-101S	851.60	851.24	10.0	848.60	838.60	11/14/2022	3.74	847.50	
MW-101B	851.50	851.08	5.0	807.50	802.50	11/14/2022	4.37	846.71	0.0186
MW-102S	854.20	853.65	10.0	848.20	838.20	11/14/2022	7.35	846.30	
MW-102D	854.20	853.70	5.0	810.20	805.20	11/14/2022	7.61	846.09	0.0054
MW-103S	849.40	851.84	10.0	845.40	835.40	11/14/2022	5.68	846.16	
MW-103D	849.30	851.97	5.0	830.30	825.30	11/14/2022	5.18	846.79	-0.0343
MW-104S	850.90	**850.27	10.0	845.90	835.90	11/14/2022	3.45	846.82	
MW-104D	850.90	**850.22	5.0	827.90	822.90	11/14/2022	3.38	846.84	-0.0009
MW-105S	846.40	849.01	10.0	843.40	833.40	11/14/2022	4.12	844.89	
MW-105D	846.30	848.90	5.0	824.30	819.30	11/14/2022	3.02	845.88	-0.0429
MW-105B	846.10	848.90	5.0	807.10	802.10	11/14/2022	3.96	844.97	0.0529
MW-106S	846.30	848.92	10.0	841.30	831.30	11/14/2022	3.80	845.12	
MW-106D	846.30	849.01	5.0	797.30	792.30	11/14/2022	3.18	845.83	-0.0141

Notes: ft = feet

ft bgs = fee ft MSL = feet above Mean Sea Level

ft btoc = feet below top of well casing

* = Water level not representative of site conditions because well ca

** = Top of casing changed 10/27/17 when new flush mount cover ir

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

		Date Sampled:		12/10/14	5/5/15	11/03/2015	5/10/16	11/3/16	5/10/17	11/30/17	11/12/18	12/1/21	11/16/22
	Units	NR140 ES	NR140 PAL	MW-1S	MW-1S	MW-1S	MW-1S	MW-1S	MW-1S	MW-1S	MW-1S	MW-1S	MW-1S
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	0.21
Oxidation Reduction Potential	millivolts	--	--	38	72	69	38	-53	-43	15	-100	76.9	88.5
pH	pH-units	--	--	7.33	6.80	7.09	6.95	7.13	7.36	7.22	7.02	7.52	7.43
Specific Conductivity	umhos/cm	--	--	1020	1400	1380	1110	986	895	891	1089	1206.4	969.44
Temperature	deg-C	--	--	9.32	8.08	17.22	9.95	9.92	16.12	17.87	10.68	11.19	10.24
Turbidity	ntu	--	--	0.	10.2	0.	9.	0.	0.	0.	10.3	182.04	7613.
Natural Attenuation Parameters													
Alkalinity, total (as $CaCO_3$)	mg/L	--	--	340.	350.	380.	350.	350.	370.	410.	400.	350.	350.
Chloride (as Cl)	mg/L	250.	125.	240.	190.	230.	160.	150.	150.	220.	200.	220.	220.
Iron, total (unfiltered)	mg/L	--	--	0.473	0.183	<0.02 U	2.32	35 M	1.23	1.17	2.12	1.76	4.59
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	1.37
Manganese, total (unfiltered)	µg/L	--	--	44.1	131.	76.7 Y,M	206.	124.	75.7	111.	79.8	349.	101.
Manganese, dissolved (filtered)	µg/L	50.	25.	16.4	129.	97.2	196.	96.9	70.8	89.3	83.3	356.	100.
Nitrate Nitrogen, total	mg/L	10.	2.	NA	NA	NA	NA	NA	NA	NA	NA	<0.12	<0.12
Acetylene	µg/L	--	--	<0.23 U	<0.23 UM,Y	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23U	<0.23 U	NA	NA
Ethane	µg/L	--	--	<0.60 U	<0.60 UY	<0.9 U	<0.40 U	<0.40 U	<0.40 U	<0.40U	<0.80 U	<0.38	<0.38
Ethene	µg/L	--	--	<0.90 U	<0.90 U	<1.2 U	<0.50 U	<0.50 U	<0.50 U	<0.50U	<1.2 U	<0.59	<0.59
Methane	µg/L	--	--	2.2	16 M	8.2	18.	5.7	2.1	1.7	3.3	12.	4.9
Sulfate(as SO4)	mg/L	250.	125.	50.	50.	49.	53.	46.	50.	63.	33.	44.	29.
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	1.6
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	<0.013
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	<0.013
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	<0.015
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	<0.036
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	0.023
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
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	<0.074
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	<0.019
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	<0.031
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	<0.022
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	<0.011
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	<0.12
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	<0.029
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	<0.016
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	<0.017
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	<0.013
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	<0.013
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	0.038
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	<0.020
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	<0.017
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	<7.0
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	<0.075
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	<0.31
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	<0.20
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	<0.15
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	<0.013
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	<0.19
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	3.8
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	<0.022
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	<0.018
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	<0.034

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

		Date Sampled:		12/10/14	5/5/15	11/03/2015	5/10/16	11/3/16	5/10/17	11/30/17	11/12/18	12/1/21	11/16/22
	Units	NR140 ES	NR140 PAL	MW-1S	MW-1S	MW-1S	MW-1S	MW-1S	MW-1S	MW-1S	MW-1S	MW-1S	MW-1S
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	<0.019
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	<0.041
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	<0.052
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	<0.11
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	<0.018
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	<0.013
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	<0.40
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	<0.016
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	0.067
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	0.085
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	<0.011U	<0.011 U	<0.014	<0.014
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	<0.016
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	<0.018
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	<0.091
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	<0.02
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	<0.014
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	<0.027
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	<0.020
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	<0.030
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	<0.014
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	<0.090
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	<0.025
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
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	<0.020
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	<0.016
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	<0.016
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	<0.021
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	<0.014
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	<0.020
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	<0.028
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	<0.38
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	<0.020
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	<0.020
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	<0.020
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	0.095
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	<0.033
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	<0.14
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	<0.019

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

		Date Sampled:		12/10/14	5/5/15	11/03/2015	5/10/16	11/3/16	5/10/17	11/30/17	12/12/18	12/1/21	11/15/22
	Units	NR140 ES	NR140 PAL	MW-1D	MW-1D	MW-1D	MW-1D	MW-1D	MW-1D	MW-1D	MW-1D	MW-1D	MW-1D
Field Parameters													
Dissolved Oxygen (DO)	mg/L	--	--	10.96	0.00	1.26	0.27	0.72	0.09	0.00	0.44	0.57	0.19
Oxidation Reduction Potential	millivolts	--	--	-155	-107	-133	-74	-144	-124	-116	-167	-80.4	-77.8
pH	pH-units	--	--	7.66	7.48	8.33	7.42	7.48	7.54	8.27	7.31	7.88	7.66
Specific Conductivity	umhos/cm	--	--	505	638	531	613	562	0.504	511	613	530.81	468.09
Temperature	deg-C	--	--	10.67	9.52	15.81	11.39	8.33	14.61	17.11	9.55	11.40	11.74
Turbidity	ntu	--	--	0.	6.	0.	1.6	0.	0.	0.	0.	202.78	8.5
Natural Attenuation Parameters													
Alkalinity, total (as $CaCO_3$)	mg/L	--	--	350.	330.	370.	370.	380.	380.	380.	390.	320.	320.
Chloride (as Cl)	mg/L	250.	125.	7.8	5.9	5.8	5.6	5.9	6.4	5.1	5.1	5.2	4.8
Iron, total (unfiltered)	mg/L	--	--	3.14	2.15 M	3.14	1.67	2.98	2.5	2.01	3.06	2.34	2.79
Iron, dissolved (filtered)	mg/L	0.3	0.15	3.07	1.76	2.88	1.47	2.9	2.36	1.79	2.9	2.63	2.71
Manganese, total (unfiltered)	µg/L	--	--	18.2	18.7	18.2	13.8	18.7	8.7J	5.8 J	17.1	18.5	19.9
Manganese, dissolved (filtered)	µg/L	50.	25.	20.7	21.6	22.8	14.9	18.	9.6	5.8 J	17.9	19.1	19.8
Nitrate Nitrogen, total	mg/L	10.	2.	NA	NA	NA	NA	NA	NA	NA	NA	0.16	<0.12
Acetylene	µg/L	--	--	<0.23 UM	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23U	<0.23 U	<0.23 U	NA	NA
Ethane	µg/L	--	--	0.75 J	<0.60 U	<0.9 U	<0.40 U	0.6 J	<0.40U	<0.40 U	<0.80 U	<0.38	<0.38
Ethene	µg/L	--	--	<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	<0.59
Methane	µg/L	--	--	1500 M	560.	1900.	770.	110.	160.	170.	240.	1300.	1000.
Sulfate(as SO4)	mg/L	250.	125.	<1.0 U	<1.0 U	<1 U	0.55 J	<1.0 U	<1.0U	<1.0 U	1.3 J	1.0	0.86
Total Organic Carbon	mg/L	--	--	<0.40 U	0.52 JY	0.46 J	1.2 J	<0.50 U	<0.50U	2.	<0.40 U	<0.4	0.58
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	<0.013
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	<0.013
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	<0.015
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	<0.036
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	<0.017
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
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	<0.074
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	<0.019
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	<0.031
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	<0.022
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	<0.011
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	<0.12
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	<0.029
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	<0.016
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	<0.017
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	<0.013
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	<0.013
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	0.045
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	<0.020
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	<0.017
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	<7.0
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	<0.075
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	<0.31
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	<0.020
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	<0.015	<0.15
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	<0.013
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	<0.19
Acetone	µg/L	9000.	1800.	<1.3 UZ	<1.3 UZ	<0.9 U	<0.90 U	<0.30 U	0.34 JB	<0.30 U	0.33 JB	<0.84	<0.84
Benzene	µg/L	5.	0.5	<0.019 U	0.092	<0.06 U	<0.060 U	0.032 J	0.091	0.034J	0.06	<0.022	<0.022
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	<0.018
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	<0.034

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

		Date Sampled:		12/10/14	5/5/15	11/03/2015	5/10/16	11/3/16	5/10/17	11/30/17	12/12/18	12/1/21	11/15/22
	Units	NR140 ES	NR140 PAL	MW-1D	MW-1D	MW-1D	MW-1D	MW-1D	MW-1D	MW-1D	MW-1D	MW-1D	MW-1D
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	<0.019
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	<0.041
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	<0.052
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	<0.11
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	<0.018
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	<0.013
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	<0.40
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	<0.016
Chloromethane	µg/L	30.	3.	0.088 JB	<0.040 U	<0.05 U	<0.050 U	<0.040 U	0.041 JB	<0.040 U	0.078 J	<0.045	0.055
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	<0.023
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	<0.011U	<0.011 U	<0.014	<0.014
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	<0.016
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	<0.018
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	<0.091
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	<0.02
Ethylbenzene	µg/L	700.	140.	0.091	0.037 J	0.067 J	<0.060 U	0.066 J	0.04 J	<0.040 U	0.057 J	<0.014	0.027
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	<0.027
Isopropylbenzene	µg/L	--	--	0.13 J	<0.060 U	0.071 J	0.050 J	0.078 J	0.043 J	0.041 J	0.078 J	0.082	0.028
m & p-Xylene	µg/L	2000.	400.	0.11 J	0.067 J	<0.12 U	<0.12 U	0.082 J	<0.070 U	<0.070 U	<0.070 U	0.052	<0.030
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	<0.014
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	<0.090
Naphthalene	µg/L	100.	10.	0.066 J	0.055 J	0.065 J	<0.050 U	0.043 J	0.044 J	<0.030 U	<0.030 U	<0.025	<0.025
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
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	<0.020
o-Xylene	µg/L	2000.	400.	0.033 J	0.029 J	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.016	<0.016
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	<0.016
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	<0.021
Styrene	µg/L	100.	10.	0.19	0.092	0.19	0.089 J	0.17	0.078 J	0.076J	0.16	0.13	0.05
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	<0.020
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	<0.028
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	<0.38
Toluene	µg/L	800.	160.	0.051 J	0.04 J	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	0.04	0.027
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	<0.020
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	<0.020
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	<0.022
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	<0.033
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	<0.14
Vinyl chloride	µg/L	0.2	0.02	0.12	0.076	0.14	<0.016 U	0.11	0.078	0.18	0.11	0.098	0.13

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

		Date Sampled:		12/11/14	5/6/15	11/04/2015	5/18/16	11/2/16	5/10/17	11/29/17	11/9/18	12/1/21	11/15/22
	Units	NR140 ES	NR140 PAL	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D
Field Parameters													
Dissolved Oxygen (DO)	mg/L	--	--	0.17	7.22	0.46	0.00	0.33	3.56	0.00	0.43	1.12	0.40
Oxidation Reduction Potential	millivolts	--	--	-100	68	-111	25	-90	165	-106	-116	1.2	83.9
pH	pH-units	--	--	7.39	7.36	7.80	7.03	7.22	7.36	7.81	7.11	7.69	7.46
Specific Conductivity	umhos/cm	--	--	1050	960	782	1020	1140	1110	895	1108	1046.8	937.3
Temperature	deg-C	--	--	8.29	11.13	21.16	12.13	6.77	10.56	16.34	9.98	10.81	11.58
Turbidity	ntu	--	--	0.	0.6	2.8	0.	0.	0.	0.	0.	239.87	4.08
Natural Attenuation Parameters													
Alkalinity, total (as $CaCO_3$)	mg/L	--	--	380.	350.	380.	390.	390.	400.	400.	410.	330.	340.
Chloride (as Cl)	mg/L	250.	125.	360.	180.	180.	200.	180.	170.	230.	180.	180.	180.
Iron, total (unfiltered)	mg/L	--	--	2.81	0.243	2.6	0.423	1.69	0.485	1.94	1.44	0.524	1.09
Iron, dissolved (filtered)	mg/L	0.3	0.15	2.31	0.0235 J	2.52	0.34	1.6	0.147 J	1.83	1.52	1.03	0.822
Manganese, total (unfiltered)	µg/L	--	--	21.9	6.1	28.2	19.3	21.9	5.4 J	19.6	19.7	19.1	24.6
Manganese, dissolved (filtered)	µg/L	50.	25.	23.5	5.4	22.8	15.8	21.4	<2.2 U	21.2	21.	21.2	23.2
Nitrate Nitrogen, total	mg/L	10.	2.	NA	NA	NA	NA	NA	NA	NA	NA	0.12	0.37
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	--	--	<0.60 U	<0.60 U	<0.9 U	<0.40 U	<0.40 U	<0.40 U	0.4 J	<0.80 U	<0.38	<0.38
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	<0.59
Methane	µg/L	--	--	180.	2.6	120.	68.	52.	7.	140.	18.	2.5	6.8
Sulfate(as SO4)	mg/L	250.	125.	48.	44.	40.	45.	39.	43.	48.	39.	47.	38.
Total Organic Carbon	mg/L	--	--	2.1	0.61 J	1.1 J	2.8 Y	1.7	3.2	1.1 J	0.98 J	0.65	1.4
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	<0.013
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	<0.013
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	<0.015
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	<0.036
1,1-Dichloroethane	µg/L	850.	85.	0.24	0.18	0.22	0.13 J	0.18 J	0.15 J	0.15 J	0.15 J	0.10	0.12
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
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	<0.074
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	<0.019
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	<0.031
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	<0.022
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	<0.011
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	<0.12
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	<0.029
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	<0.016
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	<0.017
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	<0.013
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	<0.013
1,3-Dichlorobenzene	µg/L	600.	120.	0.12	<0.021 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	0.043
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	<0.020
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	<0.017
1,4-Dioxane	µg/L	3.	0.3	NA	NA	NA	NA	<7.0 U	9.7 J	<7.0 U	<7.0 U	<7.0	<7.0
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	<0.075
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	<0.31
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	<0.020
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	<0.15
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	<0.013
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	<0.19
Acetone	µg/L	9000.	1800.	<1.3 UZ	<1.3 UZ	<0.9 U	<0.90 U	<0.30 U	0.46 JB	<0.30 U	<0.30 U	<0.84	<0.84
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	<0.022
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	<0.018
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	<0.034

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

		Date Sampled:		12/11/14	5/6/15	11/04/2015	5/18/16	11/2/16	5/10/17	11/29/17	11/9/18	12/1/21	11/15/22
	Units	NR140 ES	NR140 PAL	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D
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	<0.019
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	<0.041
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	<0.052	<0.052
Carbon disulfide	µg/L	1000.	200.	<0.080 U	<0.080 U	<0.11 U	<0.11 U	0.073 J	<0.070 U	<0.070 U	0.07 J	<0.11	<0.11
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	<0.018
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	<0.013
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	<0.40
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	<0.016
Chloromethane	µg/L	30.	3.	0.099 JB	<0.040 U	<0.05 U	0.13 J	0.07 J	0.044 JB	<0.040 U	0.12 J	<0.045	0.055
cis-1,2-Dichloroethene	µg/L	70.	7.	0.43	0.13	0.44	0.24	0.35	0.17 J	0.38	0.33	0.046	0.15
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	<0.014
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	<0.016
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	<0.018
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	<0.091
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	<0.02
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	<0.014
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	<0.027
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	<0.020
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	<0.030
Methyl tert-butyl ether	µg/L	60.	12.	0.087 J	<0.040 U	0.084 J	0.095 J	0.082 J	0.041 J	0.078 J	0.097 J	<0.014	0.053
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	<0.090	<0.090
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	<0.025
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
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	<0.020
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	<0.016
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	<0.016
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	<0.021
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	<0.014
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	<0.020
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	<0.028
Tetrahydrofuran	µg/L	50.	10.	<0.70 U	<0.70 U	<0.6 U	0.98 JB	0.7 JB	<0.40 U	<0.40 U	<0.40 U	<0.38	<0.38
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	<0.020
trans-1,2-Dichloroethene	µg/L	100.	20.	0.044 J	<0.040 U	0.15 J	<0.060 U	0.072 J	<0.040 U	0.04 J	0.05 J	<0.020	<0.020
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	<0.020
Trichloroethene	µg/L	5.	0.5	0.056 J	0.022 J	0.05 J	<0.030 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.022	<0.022
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	<0.033
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	<0.14
Vinyl chloride	µg/L	0.2	0.02	0.12	<0.019 U	0.11	<0.016 U	0.052 J	<0.019 U	<0.019 U	0.042 J	<0.019	0.038

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

		Date Sampled:		12/10/14	5/7/15	11/04/2015	5/18/16	11/2/16	5/12/17	11/29/17	11/12/18	12/2/21	11/15/22
	Units	NR140 ES	NR140 PAL	MW-3D	MW-3D	MW-3D	MW-3D	MW-3D	MW-3D	MW-3D	MW-3D	MW-3D	MW-3D
Field Parameters													
Dissolved Oxygen (DO)	mg/L	--	--	0.96	0.64	0.19	0.44	1.31	2.32	0.00	0.41	1.91	0.44
Oxidation Reduction Potential	millivolts	--	--	-101	-87	-101	54	-62	114	-51	-95	3.4	118.4
pH	pH-units	--	--	7.76	6.65	7.62	7.08	7.22	7.34	7.39	7.07	7.69	7.47
Specific Conductivity	umhos/cm	--	--	951	930	861	970	1080	1010	896	1114	1090.5	950.53
Temperature	deg-C	--	--	8.31	12.42	13.78	11.98	6.14	12.44	15.88	10.36	10.83	10.65
Turbidity	ntu	--	--	0.	4.5	0.	0.	0.	0.	0.	0.	269.84	3.23
Natural Attenuation Parameters													
Alkalinity, total (as $CaCO_3$)	mg/L	--	--	340.	320.	360.	360.	380.	380.	390.	390.	330.	330.
Chloride (as Cl)	mg/L	250.	125.	200.	200.	190.	190.	170.	170.	230.	190.	210.	190.
Iron, total (unfiltered)	mg/L	--	--	1.7	1.39	0.712	0.437	0.49	0.459	0.299	0.191	0.428	0.654
Iron, dissolved (filtered)	mg/L	0.3	0.15	0.789	1.07	0.805	0.471	0.326	0.281	0.211	0.159 J	0.363	0.386
Manganese, total (unfiltered)	µg/L	--	--	45.	28.4 Y	40.3	45.3	50.4	8 J	46.5	61.2	72.2	60.2
Manganese, dissolved (filtered)	µg/L	50.	25.	29.7	26.5	36.4	37.7	50.2	4.5 J	51.	62.4	64.1	55.4
Nitrate Nitrogen, total	mg/L	10.	2.	NA	NA	NA	NA	NA	NA	NA	NA	<0.12	<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	--	--	<0.60 U	<0.60 U	<0.9 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.80 U	<0.38	<0.38
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	<0.59
Methane	µg/L	--	--	33.	15.	27.	32.	18.	2.5	9.5	6.5	9.9	2.0
Sulfate(as SO4)	mg/L	250.	125.	44.	42.	41.	47.	42.	45.	51.	41.	42.	38.
Total Organic Carbon	mg/L	--	--	0.80 J	1.6	0.63 J	1.8	1.6 J	3.	1.2 J	1 J	0.89	1.3
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	<0.013
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	<0.013
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	<0.015
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	<0.036
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	<0.017
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
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	<0.074
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	<0.019
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	<0.031
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	<0.022
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	<0.011
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	<0.12
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	<0.029
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	<0.016
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	0.042	<0.017
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	<0.013
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	<0.013
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	<0.013
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	<0.020
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	<0.017
1,4-Dioxane	µg/L	3.	0.3	NA	NA	NA	NA	<7.0 U	<7.0 U	<7.0 U	<7.0 U	33.	<7.0
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	<0.075
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	<0.31
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	<0.020
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	<0.15
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	<0.013
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	<0.19
Acetone	µg/L	9000.	1800.	<1.3 UZ	<1.3 UZ	<0.9 U	<0.90 U	<0.30 U	0.57 JB	<0.30 U	0.48 JB	<0.84	<0.84
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	<0.022
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	<0.018
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	<0.034

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

		Date Sampled:		12/10/14	5/7/15	11/04/2015	5/18/16	11/2/16	5/12/17	11/29/17	11/12/18	12/2/21	11/15/22
	Units	NR140 ES	NR140 PAL	MW-3D	MW-3D	MW-3D	MW-3D	MW-3D	MW-3D	MW-3D	MW-3D	MW-3D	MW-3D
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	<0.019
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	<0.041
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 UY	<0.052	<0.052
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	<0.11
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	<0.018
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	<0.013
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	<0.40
Chloroform	µg/L	6.	0.6	<0.030 U	<0.030	<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.	0.055 JB	<0.040 U	0.072 JB	0.14 J	0.048 J	0.099 J	<0.040 U	0.083 J	<0.045	0.056
cis-1,2-Dichloroethene	µg/L	70.	7.	0.13	0.19	0.18 J	0.35	0.3	0.17 J	0.76	0.72	2.6	3.6
cis-1,3-Dichloropropene	µg/L	0.4	0.04	<0.020 U	<0.020	<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.	<0.040 U	<0.040	<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	--	--	<0.040 U	<0.040	<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.	<0.11 U	<0.11	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.091	<0.091
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	<0.02
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	<0.014
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	<0.027
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	<0.020
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	<0.030
Methyl tert-butyl ether	µg/L	60.	12.	0.27	0.21	0.35	0.38	0.28	0.13	0.47	0.54	0.99	1.1
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	<0.090
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	<0.025
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
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	<0.020
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	<0.016
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	<0.016
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	<0.021
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	<0.014
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	<0.020
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	<0.028
Tetrahydrofuran	µg/L	50.	10.	<0.70 U	<0.70 U	<0.6 U	<0.60 U	0.49 JB	<0.40 U	<0.40 U	<0.40 U	<0.38	<0.38
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	<0.020
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	0.057	0.11
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	<0.020
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	0.034
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	<0.033
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	<0.14
Vinyl chloride	µg/L	0.2	0.02	<0.019 U	<0.019 U	<0.016 U	0.024 J	<0.019 U	<0.019 U	<0.019 U	0.025 J	0.075	0.10

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

		Date Sampled:		12/11/14	5/7/15	11/04/2015	5/10/16	11/2/16	5/11/17	11/29/17	11/9/18	12/2/21	11/15/22
	Units	NR140 ES	NR140 PAL	MW-4S	MW-4S	MW-4S	MW-4S	MW-4S	MW-4S	MW-4S	MW-4S	MW-4S	MW-4S
Field Parameters													
Dissolved Oxygen (DO)	mg/L	--	--	1.37	0.00	0.46	0.00	0.86	0.49	0.00	0.63	2.52	0.58
Oxidation Reduction Potential	millivolts	--	--	85	97	79	97	11	246	90	44	37.2	110.3
pH	pH-units	--	--	7.01	6.58	7.13	6.90	6.71	6.90	6.88	6.93	7.32	6.97
Specific Conductivity	umhos/cm	--	--	4180	1730	1920	1580	2020	1140	1110	1197	2276.4	1912
Temperature	deg-C	--	--	8.54	10.07	18.02	9.41	8.31	11.69	16.27	9.44	12.76	11.68
Turbidity	ntu	--	--	2.56	0.3	0.	32.6	0.	0.	0.	0.	261.64	8.48
Natural Attenuation Parameters													680.
Alkalinity, total (as $CaCO_3$)	mg/L	--	--	520.	740.	580.	740.	530.	600.	660.	380.	330.	330.
Chloride (as Cl)	mg/L	250.	125.	1000.	130.	400.	42.	300 M	150.	190.	270.	520.	390.
Iron, total (unfiltered)	mg/L	--	--	0.236	0.142	0.361	0.556	0.474	0.242	0.0729 J	1.01	0.34	0.352
Iron, dissolved (filtered)	mg/L	0.3	0.15	0.0474	0.0633	0.0178 J	0.501	<0.059 U	0.146 J	<0.059 U	<0.059 U	<0.027	<0.027
Manganese, total (unfiltered)	µg/L	--	--	176.	39.6	73.5	97.2	65.6	151.	228.	103.	465.	257.
Manganese, dissolved (filtered)	µg/L	50.	25.	193.	39.8	58.3	111.	64.1	149.	225.	10.7	80.5	114.
Nitrate Nitrogen, total	mg/L	10.	2.	NA	NA	NA	NA	NA	NA	NA	NA	<0.12	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 UM	<0.23 U	NA	NA
Ethane	µg/L	--	--	<0.60 U	<0.60 U	<0.9 U	<0.40 U	<0.40 U	<0.40 U	<0.40 UM	<0.80 U	<0.38	<0.38
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	<0.59
Methane	µg/L	--	--	1.1	0.36 J	0.53 J	20.	1.1 J	3.1	0.7 J	<0.40 U	0.82	<0.45
Sulfate(as SO4)	mg/L	250.	125.	99.	220.	97.	100.	85 M	69.	72.	54.	91.	140.
Total Organic Carbon	mg/L	--	--	5.3	9.7	3.6	10.	4.8	7.7	4.5	2.2	2.0	7.6
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	<0.013
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	<0.013
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	<0.015
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	<0.036
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	<0.017
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
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	<0.074
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	<0.019
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	<0.031
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	<0.022
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	<0.011
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	<0.12
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	<0.029
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	<0.016
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	<0.017
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	<0.013
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	<0.013
1,3-Dichlorobenzene	µg/L	600.	120.	0.094	<0.021 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	0.033
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	<0.020
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	<0.017
1,4-Dioxane	µg/L	3.	0.3	NA	NA	NA	NA	<7.0 U	<7.0 U	<7.0 U	<7.0 U	21.	<7.0
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	<0.075
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	<0.31
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	<0.020
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	<0.15
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	<0.013
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	<0.19
Acetone	µg/L	9000.	1800.	<1.3 UZ	<1.3 UZ	<0.9 U	<0.90 U	<0.30 U	0.53 JB	<0.30 U	0.45 JB	<0.84	<0.84
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	<0.022
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	<0.018
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 U	<0.034	<0.034

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

		Date Sampled:		12/11/14	5/7/15	11/04/2015	5/10/16	11/2/16	5/11/17	11/29/17	11/9/18	12/2/21	11/15/22
	Units	NR140 ES	NR140 PAL	MW-4S	MW-4S	MW-4S	MW-4S	MW-4S	MW-4S	MW-4S	MW-4S	MW-4S	MW-4S
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	<0.019
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	<0.041
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 UZM	<0.080 U	<0.052	<0.052
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	<0.11
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	<0.018
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	<0.013
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	<0.40
Chloroform	µg/L	6.	0.6	<0.030 U	<0.030	<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.	0.089 JB	<0.040 U	0.058 J	<0.050 U	0.079 J	0.043 J	<0.040 U	0.08 J	<0.045	0.054
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	<0.023
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	<0.014
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	<0.016
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	<0.018
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	<0.091
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	<0.02
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	<0.014
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	<0.027
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	<0.020
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	<0.030
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	<0.014
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	<0.090	<0.090
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	<0.025
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
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	<0.020
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	<0.016
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	<0.016
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	<0.021
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	<0.014
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	<0.020
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	<0.028
Tetrahydrofuran	µg/L	50.	10.	<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	<0.38	<0.38
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	<0.020
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	<0.020
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	<0.020
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	<0.022
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	<0.033
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	<0.14
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	<0.019

Table 3. Groundwater Quality Data

Oconomowoc Electroplating Company Inc. (OECI) Superfund Site Monitoring Wells

		Date Sampled:		12/10/14	5/5/15	11/03/2015	5/11/16	11/3/16	5/12/17	11/29/17	11/12/18	11/12/18	12/1/21	11/15/22
	Units	NR140 ES	NR140 PAL	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D Dup	MW-5D	MW-5D
Field Parameters														
Dissolved Oxygen (DO)	mg/L	--	--	3.32	0.00	0.59	0.01	0.15	0.13	0.00	0.40	0.44	1.53	0.26
Oxidation Reduction Potential	millivolts	--	--	-78	-38	-65	-40	-81	-42	-85	-101	-98	-57.7	107.8
pH	pH-units	--	--	7.60	7.32	7.45	7.13	7.21	7.28	7.31	7.05	7.05	7.59	7.52
Specific Conductivity	umhos/cm	--	--	999	1240	895	1090	1070	1040	820	1040	1041	1036.6	888.56
Temperature	deg-C	--	--	7.83	9.22	18.15	13.76	6.47	11.10	16.32	10.07	9.92	10.59	10.51
Turbidity	ntu	--	--	0.	23.7	9.4	25.1	0.	0.	0.	0.	0.	217.14	10.32
Natural Attenuation Parameters														
Alkalinity, total (as $CaCO_3$)	mg/L	--	--	390.	370.	400.	400.	410.	420.	430.	430.	430.	340.	340.
Chloride (as Cl)	mg/L	250.	125.	180.	160.	140.	150.	140.	140.	160.	140.	140.	180.	180.
Iron, total (unfiltered)	mg/L	--	--	1.61	1.53	1.6	2.05	2.11	1.67	1.84	1.81	1.74	1.89	1.85
Iron, dissolved (filtered)	mg/L	0.3	0.15	1.51	0.989	1.69	0.865	1.83	1.46	1.58	1.59	1.25	1.75	1.54
Manganese, total (unfiltered)	µg/L	--	--	68.7	137.	61.9	116.	70.2	57.7	62.3	70.9	71.1	99.3	88.
Manganese, dissolved (filtered)	µg/L	50.	25.	67.7	68.	65.7	116.	71.1	50.	64.8	72.3	86.9	85.9	77.9
Nitrate Nitrogen, total	mg/L	10.	2.	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.14	<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	<0.23 U	NA	NA
Ethane	µg/L	--	--	<0.60 U	<0.60 U	<0.9 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.80 U	<0.80 UY	<0.38	<0.38
Ethene	µg/L	--	--	<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	<0.59
Methane	µg/L	--	--	41.	26.	44.	44.	38 M	2.4	4.9	4.4	5.4 MY	9.6	5.7
Sulfate(as SO4)	mg/L	250.	125.	57.	51.	50.	52.	47.	50.	59.	48.	46.	48.	39.
Total Organic Carbon	mg/L	--	--	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	1.7
VOCs														
1,1,1,2-Tetrachloroethane	µg/L	70.	7.	<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	<0.013
1,1,1-Trichloroethane	µg/L	200.	40.	<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	<0.013
1,1,2,2-Tetrachloroethane	µg/L	0.2	0.02	<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	<0.015
1,1,2-Trichloroethane	µg/L	5.	0.5	<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	<0.036
1,1-Dichloroethane	µg/L	850.	85.	6.1	6.8	4.4	7.6	6.7	8.6	6.8	6.8	6.7	1.2	0.76
1,1-Dichloroethene	µg/L	7.	0.7	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	<0.024
1,1-Dichloropropene	µg/L	--	--	<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	<0.074
1,2,3-Trichlorobenzene	µg/L	--	--	<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	<0.019
1,2,3-Trichloropropane	µg/L	60.	12.	<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	<0.031
1,2,4-Trichlorobenzene	µg/L	70.	14.	<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	<0.022
1,2,4-Trimethylbenzene	µg/L	480.	96.	<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	<0.011
1,2-Dibromo-3-chloropropane	µg/L	0.2	0.02	<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	<0.012
1,2-Dibromoethane	µg/L	0.05	0.005	<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	<0.029
1,2-Dichlorobenzene	µg/L	600.	60.	<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	<0.016
1,2-Dichloroethane	µg/L	5.	0.5	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	0.48
1,2-Dichloropropane	µg/L	5.	0.5	<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	<0.013
1,3,5-Trimethylbenzene	µg/L	480.	96.	<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	<0.013
1,3-Dichlorobenzene	µg/L	600.	120.	<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	0.043
1,3-Dichloropropane	µg/L	--	--	<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	<0.020
1,4-Dichlorobenzene	µg/L	75.	15.	<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	<0.017
1,4-Dioxane	µg/L	3.	0.3	NA	NA	NA	NA	<35 U	<35 U	<35 U	<35 U	<35 U	<7.0	<7.0
2,2-Dichloropropane	µg/L	--	--	<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	<0.075
2-Butanone (MEK)	µg/L	4000.	800.	<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	<0.31
2-Chlorotoluene	µg/L	--	--	<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	<0.020
2-Hexanone	µg/L	--	--	<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	<0.15
4-Chlorotoluene	µg/L	--	--	<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	<0.013
4-Methyl-2-pentanone (MIBK)	µg/L	500.	50.	<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	<0.19
Acetone	µg/L	9000.	1800.	<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	<0.84
Benzene	µg/L	5.	0.5	<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	<0.022
Bromobenzene	µg/L	--	--	<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	<0.018
Bromochloromethane	µg/L	--	--	<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	<0.034

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

	Date Sampled:			12/10/14	5/5/15	11/03/2015	5/11/16	11/3/16	5/12/17	11/29/17	11/12/18	11/12/18	12/1/21	11/15/22
	Units	NR140 ES	NR140 PAL	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D Dup	MW-5D	MW-5D
Bromodichloromethane	µg/L	0.6	0.06	<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	<0.019
Bromoform	µg/L	4.4	0.44	<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	<0.041
Bromomethane	µg/L	10.	1.	<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	<0.052
Carbon disulfide	µg/L	1000.	200.	<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	<0.11
Carbon tetrachloride	µg/L	5.	0.05	<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	<0.018
Chlorobenzene	µg/L	--	--	<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	<0.013
Chloroethane	µg/L	400.	80.	<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	<0.40
Chloroform	µg/L	6.	0.6	<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	<0.016
Chloromethane	µg/L	30.	3.	<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	0.052
cis-1,2-Dichloroethene	µg/L	70.	7.	72.	73.	51.	76.	67.	78.	81.	76.	75.	13.	2.4
cis-1,3-Dichloropropene	µg/L	0.4	0.04	<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	<0.014
Dibromochloromethane	µg/L	60.	6.	<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	<0.016
Dibromomethane	µg/L	--	--	<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	<0.018
Dichlorodifluoromethane	µg/L	1000.	200.	<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	<0.091
Diisopropyl ether	µg/L	--	--	<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	0.2
Ethylbenzene	µg/L	700.	140.	<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	<0.014
Hexachlorobutadiene	µg/L	--	--	<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	<0.027
Isopropylbenzene	µg/L	--	--	<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	<0.020
m & p-Xylene	µg/L	2000.	400.	<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	<0.030
Methyl tert-butyl ether	µg/L	60.	12.	<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	0.093
Methylene chloride	µg/L	5.	0.5	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	<0.090
Naphthalene	µg/L	100.	10.	<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	<0.025
n-Butylbenzene	µg/L	--	--	<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	<0.021
n-Propylbenzene	µg/L	--	--	<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	<0.020
o-Xylene	µg/L	2000.	400.	<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	<0.016
p-Isopropyltoluene	µg/L	--	--	<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	<0.016
sec-Butylbenzene	µg/L	--	--	<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	<0.021
Styrene	µg/L	100.	10.	<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	<0.014
tert-Butylbenzene	µg/L	--	--	<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	<0.020
Tetrachloroethene	µg/L	5.	0.05	<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	<0.028
Tetrahydrofuran	µg/L	50.	10.	<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	<0.38
Toluene	µg/L	800.	160.	<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	<0.020
trans-1,2-Dichloroethene	µg/L	100.	20.	7.	9.	5.1	9.4	9.2	10.	9.6	11.	10.	1.1	0.084
trans-1,3-Dichloropropene	µg/L	0.4	0.04	<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	<0.020
Trichloroethene	µg/L	5.	0.5	32.	50.	15.	54.	50.	78.	41.	38.	37.	1.3	0.055
Trichlorofluoromethane	µg/L	--	--	<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	<0.033
Vinyl acetate	µg/L	--	--	<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	<0.14
Vinyl chloride	µg/L	0.2	0.02	3.2	4.3	2.3	4.7	3.4	3.1	3.1	6.9	6.6	0.8	0.31

Table 3. Groundwater Quality Data

Oconomowoc Electroplating Company Inc. (OECI) Superfund Site Monitoring Wells

		Date Sampled:		12/10/14	5/5/15	11/03/2015	5/11/16	11/3/16	5/12/17	11/29/17	11/29/17	11/15/18	12/1/21	11/15/22
	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-9S
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	0.20
Oxidation Reduction Potential	millivolts	--	--	14	-48	-37	-35	-61	-36	-34	-37	-59	-27.9	111.5
pH	pH-units	--	--	7.75	7.20	7.41	7.10	7.23	7.23	7.17	7.18	6.90	7.54	7.31
Specific Conductivity	umhos/cm	--	--	1230	1870	1680	1490	1400	1120	923	923	1210	1456.5	1498.9
Temperature	deg-C	--	--	10.08	8.63	17.35	15.13	7.32	13.36	17.58	17.65	12.21	11.20	11.58
Turbidity	ntu	--	--	0.	12.4	0.	13.6	1.3	0.	0.	0.	7.1	200.86	17.82
Natural Attenuation Parameters														
Alkalinity, total (as $CaCO_3$)	mg/L	--	--	330.	300.	340.	350.	360.	380.	380.	380.	390.	340.	300.
Chloride (as Cl)	mg/L	250.	125.	380.	360.	340.	310.	260.	210.	240.	250.	250.	350.	420.
Iron, total (unfiltered)	mg/L	--	--	0.635	2.	0.495	2.94	1.36	2.63	0.643	0.622	6.26	1.98	1.21
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	0.208
Manganese, total (unfiltered)	µg/L	--	--	57.1	80.5	73.7	73.5	71.8	147.	58.3	61.4	87.	104.	98.8
Manganese, dissolved (filtered)	µg/L	50.	25.	79.1	88.4	82.2	70.6	73.	123.	66.6	61.5	87.6	100.	90.4
Nitrate Nitrogen, total	mg/L	10.	2.	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.12	<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	<0.23 U	NA	NA
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	<0.80 U	<0.38	<0.38
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	<0.59
Methane	µg/L	--	--	4.3	5.5	6.3	21.	18.	2.2	3.7	1.7	0.72 J	2.9	<0.45
Sulfate(as SO4)	mg/L	250.	125.	64.	57.	56.	59.	56.	52.	54.	55.	32.	38.	60.
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	2.3
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	<0.013
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	<0.013
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	<0.015
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	<0.036
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	0.093
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	<0.024
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	<0.074
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	<0.019
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	<0.031
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	<0.022
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	<0.011
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	<0.12
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	<0.029
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	<0.016
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	<0.017
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	<0.013
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	<0.013
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	0.042
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	<0.020
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	<0.017
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	<7.0
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	<0.075
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	<0.31
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	<0.020
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	<0.15
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	<0.013
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	<0.19
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	<0.84
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	<0.022
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	<0.018
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	<0.034

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

	Date Sampled:			12/10/14	5/5/15	11/03/2015	5/11/16	11/3/16	5/12/17	11/29/17	11/29/17	11/15/18	12/1/21	11/15/22
	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-9S
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	<0.019
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	<0.041
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	<0.052
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	<0.11
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	<0.018
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	<0.013
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	<0.40
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	<0.016
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	0.14
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	<0.023
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	<0.014
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	<0.016
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	<0.018
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	<0.091
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	<0.02
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	<0.014
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	<0.027
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	<0.020
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	<0.030
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	<0.014
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	<0.090
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	<0.025
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	<0.021
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	<0.020
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	<0.016
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	<0.016
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	<0.021
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	<0.014
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	<0.020
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	<0.028
Tetrahydrofuran	µg/L	50.	10.	<0.70 UY	<0.70 U	<0.6 U	<0.60 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.38	<0.38
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	<0.020
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	<0.020
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	<0.020
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	0.2
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	<0.033
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	<0.14
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	<0.019

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

			Date Sampled:	12/11/14	5/6/15	11/05/2015	5/11/16	11/1/16	5/9/17	11/29/17	11/8/18	12/1/21	11/15/22
	Units	NR140 ES	NR140 PAL	MW-12S	MW-12S	MW-12S	MW-12S	MW-12S	MW-12S	MW-12S	MW-12S	MW-12S	MW-12S
Field Parameters													
Dissolved Oxygen (DO)	mg/L	--	--	8.69	0.00	1.12	0.00	0.00	1.05	0.00	0.74	1.65	0.40
Oxidation Reduction Potential	millivolts	--	--	-50	16	-21	30	24	55	-27	-38	-56.3	128.7
pH	pH-units	--	--	7.80	7.32	6.99	7.14	6.90	7.45	7.16	7.07	7.85	7.41
Specific Conductivity	umhos/cm	--	--	1070	1050	920	1230	1020	1620	944	1121	974.09	1010.1
Temperature	deg-C	--	--	6.75	7.11	14.00	12.03	12.18	7.65	15.42	10.25	9.50	8.65
Turbidity	ntu	--	--	42.7	18.2	36.3	12.	0.	26.2	26.2	101.	162.68	10.16
Natural Attenuation Parameters													
Alkalinity, total (as $CaCO_3$)	mg/L	--	--	370.	350.	380.	380.	390.	410.	410.	400.	310.	310.
Chloride (as Cl)	mg/L	250.	125.	220.	210.	180.	220.	230.	210.	250.	170.	190.	230.
Iron, total (unfiltered)	mg/L	--	--	0.49	0.266	1.19	0.172	0.139	0.0994 J	0.0889 J	0.797 Y	0.374	0.28
Iron, dissolved (filtered)	mg/L	0.3	0.15	0.077	<0.010 U	0.109	<0.010 U	<0.059 U	<0.059 U	<0.059 U	<0.059 U	0.171	0.052
Manganese, total (unfiltered)	µg/L	--	--	127.	132.	165.	117.	137.	118.	111.	142.	130.	130.
Manganese, dissolved (filtered)	µg/L	50.	25.	115.	117.	132.	104.	139.	67.1	121.	119.	138.	124.
Nitrate Nitrogen, total	mg/L	10.	2.	NA	NA	NA	NA	NA	NA	NA	NA	<0.12	<0.12
Acetylene	µg/L	--	--	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 UY	<0.23 U	<0.23 U	<0.23 U	NA	NA
Ethane	µg/L	--	--	<0.60 U	<0.60 U	<0.9 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.80 U	<0.38	<0.38
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	<0.59
Methane	µg/L	--	--	11.	9.4	7.5	18.	6.9 M	1.2	1.3	2.2	21.	3.6
Sulfate(as SO4)	mg/L	250.	125.	55.	54.	51.	59.	50.	49.	53.	37.	21.	28.
Total Organic Carbon	mg/L	--	--	2.5	1.8	0.89 J	3.2	2.4	3.	2.	1.6	1.4	2.5
VOCs													
1,1,1,2-Tetrachloroethane	µg/L	70.	7.	<0.15 U	<0.15 U	<0.25 U	<0.25 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.013	<0.013
1,1,1-Trichloroethane	µg/L	200.	40.	51.	41.	36.	29.	32.	35.	27.	29.	9.6	17.
1,1,2,2-Tetrachloroethane	µg/L	0.2	0.02	<0.10 U	<0.10 U	<0.1 U	<0.10 U	<0.085 U	<0.085 U	<0.085 U	<0.085 U	<0.015	<0.015
1,1,2-Trichloroethane	µg/L	5.	0.5	<0.35 U	<0.35 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.036	<0.036
1,1-Dichloroethane	µg/L	850.	85.	14.	18.	6.6	12.	14.	13.	6.7	9.8	1.1	1.4
1,1-Dichloroethene	µg/L	7.	0.7	5.7	7.2	3.	4.4	5.1	5.2	2.5	3.1	0.17	0.49
1,1-Dichloropropene	µg/L	--	--	<0.40 U	<0.40 U	<0.3 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.074	<0.074
1,2,3-Trichlorobenzene	µg/L	--	--	<0.20 U	<0.20 U	<0.25 U	<0.25 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.019	<0.019
1,2,3-Trichloropropane	µg/L	60.	12.	<0.40 U	<0.40 U	<0.2 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.031	<0.031
1,2,4-Trichlorobenzene	µg/L	70.	14.	<0.15 U	<0.15 U	<0.2 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.022	<0.022
1,2,4-Trimethylbenzene	µg/L	480.	96.	<0.12 U	<0.12 U	<0.25 U	<0.25 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.011	<0.011
1,2-Dibromo-3-chloropropane	µg/L	0.2	0.02	<0.25 U	<0.25 U	<0.15 U	<0.15 U	<0.45 U	<0.45 U	<0.45 U	<0.45 U	<0.12	<0.12
1,2-Dibromoethane	µg/L	0.05	0.005	<0.20 U	<0.20 U	<0.2 U	<0.20 U	<0.35 U	<0.35 U	<0.35 U	<0.35 U	<0.029	<0.029
1,2-Dichlorobenzene	µg/L	600.	60.	<0.13 U	<0.13 U	<0.3 U	<0.30 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.016	<0.016
1,2-Dichloroethane	µg/L	5.	0.5	<0.12 U	<0.12 U	<0.2 U	<0.20 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.017	<0.017
1,2-Dichloropropane	µg/L	5.	0.5	<0.15 U	<0.15 U	<0.3 U	<0.30 U	<0.35 U	<0.35 U	<0.35 U	<0.35 U	<0.013	<0.013
1,3,5-Trimethylbenzene	µg/L	480.	96.	<0.11 U	<0.11 U	<0.3 U	<0.30 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.013	<0.013
1,3-Dichlorobenzene	µg/L	600.	120.	<0.11 U	<0.11 U	<0.3 U	<0.30 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.013	0.074
1,3-Dichloropropane	µg/L	--	--	<0.20 U	<0.20 U	<0.2 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.020	<0.020
1,4-Dichlorobenzene	µg/L	75.	15.	<0.13 U	<0.13 U	<0.25 U	<0.25 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.017	<0.017
1,4-Dioxane	µg/L	3.	0.3	NA	NA	NA	NA	<35 U	<35 U	<35 U	<35 U	<7.0	<7.0
2,2-Dichloropropane	µg/L	--	--	<0.11 U	<0.11 U	<0.2 U	<0.20 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.075	<0.075
2-Butanone (MEK)	µg/L	4000.	800.	<4.0 U	<4.0 U	<4 U	<4.0 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<0.31	<0.31
2-Chlorotoluene	µg/L	--	--	<0.13 U	<0.13 U	<0.3 U	<0.30 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.020	<0.020
2-Hexanone	µg/L	--	--	<2.0 U	<2.0 U	<2 U	<2.0 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<0.15	<0.15
4-Chlorotoluene	µg/L	--	--	<0.15 U	<0.15 U	<0.25 U	<0.25 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.013	<0.013
4-Methyl-2-pentanone (MIBK)	µg/L	500.	50.	<1.3 U	<1.3 U	<2.0 U	<2.0 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<0.19	<0.19
Acetone	µg/L	9000.	1800.	<6.5 UZ	<6.5 UZ	<4.5 U	100 B	2.4 JB	4.8 JB	4.2 JB	4.2 JB	0.96	<0.84
Benzene	µg/L	5.	0.5	<0.095 U	<0.095 U	<0.3 U	<0.30 U	0.098 J	<0.090 U	<0.090 U	0.11 J	<0.018	<0.22
Bromobenzene	µg/L	--	--	<0.15 U	<0.15 U	<0.2 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.018	<0.018
Bromochloromethane	µg/L	--	--	<0.45 U	<0.45 U	<0.085 U	<0.085 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.034	<0.034

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

		Date Sampled:		12/11/14	5/6/15	11/05/2015	5/11/16	11/1/16	5/9/17	11/29/17	11/8/18	12/1/21	11/15/22
	Units	NR140 ES	NR140 PAL	MW-12S	MW-12S	MW-12S	MW-12S	MW-12S	MW-12S	MW-12S	MW-12S	MW-12S	MW-12S
Bromodichloromethane	µg/L	0.6	0.06	<0.090 U	<0.090 U	<0.085 U	<0.085 U	<0.080 U	<0.080 U	<0.080 U	<0.080 U	<0.019	<0.019
Bromoform	µg/L	4.4	0.44	<0.30 U	<0.30 U	<0.09 U	<0.090 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.041	<0.041
Bromomethane	µg/L	10.	1.	<0.35 U	<0.35 U	<0.45 U	<0.45 U	<0.40 UZ	<0.40 U	<0.40 U	<0.40 U	<0.052	<0.052
Carbon disulfide	µg/L	1000.	200.	<0.40 U	<0.40 U	<0.55 U	<0.55 U	<0.35 U	<0.35 U	<0.35 U	<0.35 U	<0.11	<0.11
Carbon tetrachloride	µg/L	5.	0.05	<0.15 U	<0.15 U	<0.3 U	<0.30 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.018	<0.018
Chlorobenzene	µg/L	--	--	<0.12 U	<0.12 U	<0.2 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	0.062	0.039
Chloroethane	µg/L	400.	80.	<0.20 U	<0.20 U	<0.3 U	<0.30 U	<0.35 U	<0.35 U	<0.35 U	<0.35 U	<0.40	<0.40
Chloroform	µg/L	6.	0.6	<0.15 U	<0.15 U	<0.3 U	<0.30 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.016	<0.016
Chloromethane	µg/L	30.	3.	<0.20 U	<0.20 U	<0.25 U	<0.25 U	<0.20 U	<0.20 U	<0.20 U	0.24 J	<0.045	0.06
cis-1,2-Dichloroethene	µg/L	70.	7.	49.	16.	24.	22.	20.	26.	19.	36.	19.	29.
cis-1,3-Dichloropropene	µg/L	0.4	0.04	<0.10 U	<0.10 U	<0.075 U	<0.075 U	<0.055 U	<0.055 U	<0.055 U	<0.055 U	<0.014	<0.014
Dibromochloromethane	µg/L	60.	6.	<0.20 U	<0.20 U	<0.08 U	<0.080 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.016	<0.016
Dibromomethane	µg/L	--	--	<0.20 U	<0.20 U	<0.3 U	<0.30 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.018	<0.018
Dichlorodifluoromethane	µg/L	1000.	200.	<0.55 U	<0.55 U	<0.3 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.091	<0.091
Diisopropyl ether	µg/L	--	--	<0.11 U	<0.11 U	<0.2 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.02	<0.02
Ethylbenzene	µg/L	700.	140.	<0.095 U	<0.095 U	<0.3 U	<0.30 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.014	<0.014
Hexachlorobutadiene	µg/L	--	--	<0.35 U	<0.35 U	<0.35 U	<0.35 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.027	<0.027
Isopropylbenzene	µg/L	--	--	<0.30 U	<0.30 U	<0.25 U	<0.25 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.014	<0.020
m & p-Xylene	µg/L	2000.	400.	<0.25 U	<0.25 U	<0.6 U	<0.60 U	<0.35 U	<0.35 U	<0.35 U	<0.35 U	<0.022	<0.030
Methyl tert-butyl ether	µg/L	60.	12.	<0.20 U	<0.20 U	<0.2 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.014	<0.014
Methylene chloride	µg/L	5.	0.5	1.3 J	<0.75 U	<0.3 U	1.4	1.5	2.7	<0.25 U	<0.25 U	<0.090	<0.090
Naphthalene	µg/L	100.	10.	<0.20 U	<0.20 U	<0.25 U	<0.25 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.025	<0.025
n-Butylbenzene	µg/L	--	--	<0.11 U	<0.11 U	<0.25 U	<0.25 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.021	<0.021
n-Propylbenzene	µg/L	--	--	<0.11 U	<0.11 U	<0.25 U	<0.25 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.013	<0.020
o-Xylene	µg/L	2000.	400.	<0.14 U	<0.14 U	<0.25 U	<0.25 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.016	<0.016
p-Isopropyltoluene	µg/L	--	--	<0.15 U	<0.15 U	<0.3 U	<0.30 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.016	<0.016
sec-Butylbenzene	µg/L	--	--	<0.12 U	<0.12 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.012	<0.021
Styrene	µg/L	100.	10.	<0.10 U	<0.10 U	<0.25 U	<0.25 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.014	<0.014
tert-Butylbenzene	µg/L	--	--	<0.13 U	<0.13 U	<0.3 U	<0.30 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.013	<0.020
Tetrachloroethene	µg/L	5.	0.05	<0.15 U	<0.15 U	<0.3 U	<0.30 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.028	<0.028
Tetrahydrofuran	µg/L	50.	10.	<3.5 U	<3.5 U	<3.0 U	<3.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<0.38	<0.38
Toluene	µg/L	800.	160.	<0.14 U	<0.14 U	<0.3 U	<0.30 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.014	<0.020
trans-1,2-Dichloroethene	µg/L	100.	20.	9.5	10.	7.1	6.8	7.0	6.8	5.1	5.3	1.8	3.0
trans-1,3-Dichloropropene	µg/L	0.4	0.04	<0.090 U	<0.090 U	<0.07 U	<0.070 U	<0.095 U	<0.095 U	<0.095 U	<0.095 U	<0.020	<0.020
Trichloroethene	µg/L	5.	0.5	39.	72.	54.	48.	61.	64.	51.	45.	2.6	18.
Trichlorofluoromethane	µg/L	--	--	<0.12 U	<0.12 U	<0.25 U	<0.25 U	<0.45 U	<0.45 U	<0.45 U	<0.45 U	<0.033	<0.033
Vinyl acetate	µg/L	--	--	<3.0 U	<3.0 U	<2.5 U	<2.5 U	<1.1 U	<1.1 U	<1.1 U	<1.1 U	<0.14	<0.14
Vinyl chloride	µg/L	0.2	0.02	1.7	0.39	1.9	0.79	0.57	0.52	2.2	0.56	5.4	1.0

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

		Date Sampled:		12/11/14	5/6/15	11/05/2015	5/11/16	11/1/16	5/9/17	11/29/17	11/7/18	12/1/21	11/15/22
	Units	NR140 ES	NR140 PAL	MW-12D	MW-12D	MW-12D	MW-12D	MW-12D	MW-12D	MW-12D	MW-12D	MW-12D	MW-12D
Field Parameters													
Dissolved Oxygen (DO)	mg/L	--	--	6.46	0.00	4.79	0.00	0.39	0.22	0.00	0.63	0.74	0.41
Oxidation Reduction Potential	millivolts	--	--	-82	-70	-88	49	-92	-34	-78	-90	-65	125.4
pH	pH-units	--	--	7.53	7.31	7.00	7.26	6.98	7.44	7.45	7.14	7.76	7.57
Specific Conductivity	umhos/cm	--	--	1200	1060	974	1190	1150	1370	998	1077	1460.2	1056.9
Temperature	deg-C	--	--	7.90	8.68	15.02	16.52	9.37	9.62	14.94	10.01	9.45	9.17
Turbidity	ntu	--	--	0.	1.4	2.2	0.3	0.	0.	0.	24.7	164.09	7.07
Natural Attenuation Parameters													
Alkalinity, total (as $CaCO_3$)	mg/L	--	--	390.	370.	410.	400.	410.	410.	430.	410.	410.	360.
Chloride (as Cl)	mg/L	250.	125.	260 M	210.	200.	220.	200.	180.	270.	200.	290.	190.
Iron, total (unfiltered)	mg/L	--	--	1.26	0.967	1.35	0.906	2.53	1.22	1.07	4.72	1.34	1.55
Iron, dissolved (filtered)	mg/L	0.3	0.15	0.969	0.843	1.13	0.873	0.919	0.906	1.02	1.07	1.42	0.817
Manganese, total (unfiltered)	µg/L	--	--	29.7	31.9	39.	29.5	40.3	30.3	31.	41.5	37.2	38.2
Manganese, dissolved (filtered)	µg/L	50.	25.	33.1	29.9	32.7	29.1	35.5	<2.2 U	33.4	39.	37.9	34.7
Nitrate Nitrogen, total	mg/L	10.	2.	NA	NA	NA	NA	NA	NA	NA	NA	0.26	0.12
Acetylene	µg/L	--	--	<0.23 U	<0.46 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23	NA	NA
Ethane	µg/L	--	--	<0.60 U	<1.2 U	<0.9 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.80	<0.38	<0.38
Ethene	µg/L	--	--	<0.90 U	<1.8 U	<1.2 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<1.2	<0.59	<0.59
Methane	µg/L	--	--	36.	27.	27.	32.	2.9	1.7	3.3	9.1	23.	2.2
Sulfate(as SO4)	mg/L	250.	125.	67.	60.	59.	58.	51.	54.	65.	52.	120.	49.
Total Organic Carbon	mg/L	--	--	3.1	2.	1.7	3.	2.4	2.9	1.9	2.1	3.7	2.1
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	<0.013
1,1,1-Trichloroethane	µg/L	200.	40.	0.76	0.53	0.57	0.33	0.3	0.29	0.3	0.19	0.85	0.18
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	<0.015
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	<0.036
1,1-Dichloroethane	µg/L	850.	85.	10.	7.4	9.2	5.8	4.8	4.6	5.1	3.2	10.	1.7
1,1-Dichloroethene	µg/L	7.	0.7	0.46	0.28	0.41	0.18 J	0.15 J	0.12 J	0.14 J	0.098 J	11.	0.24
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	<0.074
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	<0.019
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	<0.031
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	<0.022
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	<0.011
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	<0.12
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	<0.029
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	<0.016
1,2-Dichloroethane	µg/L	5.	0.5	0.061 J	0.052 J	0.062 J	<0.040 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	0.11	0.035
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	<0.013
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	<0.013
1,3-Dichlorobenzene	µg/L	600.	120.	0.084	0.038 J	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	0.038
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	<0.020
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	<0.017
1,4-Dioxane	µg/L	3.	0.3	NA	NA	NA	NA	<7.0 U	<7.0 U	<7.0 U	<7.0 U	31.	<7.0
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 UM	<0.050 U	<0.075	<0.075
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	<0.31
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	<0.020
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	<0.15
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	<0.013
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	<0.19
Acetone	µg/L	9000.	1800.	<1.3 UZ	<1.3 UZ	<0.9 U	<0.90 U	<0.30 U	0.57 JB	<0.30 U	0.38 JB	<0.84	<0.84
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 J	<0.018 U	0.05	<0.022
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	<0.018
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	<0.034

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		Date Sampled:		12/11/14	5/6/15	11/05/2015	5/11/16	11/1/16	5/9/17	11/29/17	11/7/18	12/1/21	11/15/22
	Units	NR140 ES	NR140 PAL	MW-12D	MW-12D	MW-12D	MW-12D	MW-12D	MW-12D	MW-12D	MW-12D	MW-12D	MW-12D
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	<0.019
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	<0.041
Bromomethane	µg/L	10.	1.	<0.070 U	<0.070 U	<0.09 U	<0.090 U	<0.080 UZ	<0.080 U	<0.080 UM	<0.080 U	<0.052	<0.052
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	<0.11
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	<0.018
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	<0.013
Chloroethane	µg/L	400.	80.	0.073 J	0.12 J	0.35	0.53	<0.070 U	0.29	0.59	0.25	<0.40	<0.40
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	<0.016
Chloromethane	µg/L	30.	3.	0.078 JB	<0.040 U	<0.05 U	<0.050 U	<0.040 U	0.091 JB	<0.040 U	0.21	<0.045	0.064
cis-1,2-Dichloroethene	µg/L	70.	7.	6.9	5.7	6.7	5.4	5.3	6.3	6.4	5.8	62.	5.9
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	<0.014
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	<0.016
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	<0.018
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	<0.091
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	<0.02
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	<0.014
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	<0.027
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	<0.020
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	<0.030
Methyl tert-butyl ether	µg/L	60.	12.	0.41	0.48	0.47	0.59	0.58	0.64	0.58	0.69	0.41	0.66
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	<0.090	<0.090
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	<0.025
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
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	<0.020
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	<0.016
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	<0.016
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	<0.021
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	<0.014
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	<0.020
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	<0.028
Tetrahydrofuran	µg/L	50.	10.	<0.70 U	<0.70 U	<0.6 U	0.68 JB,Z	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.38	<0.38
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	<0.020
trans-1,2-Dichloroethene	µg/L	100.	20.	0.82	0.76	0.76	0.5	0.44	0.4	0.43	0.28	6.7	0.20
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	<0.020
Trichloroethene	µg/L	5.	0.5	0.11	0.12	0.11	0.1	0.1 J	0.11 J	0.11 J	0.099 J	0.64	0.13
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	<0.033
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	<0.14
Vinyl chloride	µg/L	0.2	0.02	0.69	0.55	0.91	0.8	0.62	0.79	0.77	0.85	8.9	0.13

Table 3. Groundwater Quality Data
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		Date Sampled:		12/11/14	5/6/15	11/05/2015	5/11/16	11/1/16	5/9/17	11/29/17	11/8/18	12/1/21	11/15/22
	Units	NR140 ES	NR140 PAL	MW-12B	MW-12B	MW-12B	MW-12B	MW-12B	MW-12B	MW-12B	MW-12B	MW-12B	MW-12B
Field Parameters													
Dissolved Oxygen (DO)	mg/L	--	--	0.40	2.03	0.22	0.93	0.79	0.70	0.00	0.37	2.42	2.12
Oxidation Reduction Potential	millivolts	--	--	-153	51	-179	163	-190	-75	47	-164	-164.5	96
pH	pH-units	--	--	8.58	8.54	7.79	8.39	7.77	8.27	7.60	7.71	9.22	9.22
Specific Conductivity	umhos/cm	--	--	804	712	650	910	879	1040	528	982	884.37	809.87
Temperature	deg-C	--	--	7.55	10.02	16.61	12.46	9.29	10.84	13.55	9.63	9.92	8.26
Turbidity	ntu	--	--	0.	0.	0.	0.	0.	0.	0.	0.	163.55	7.26
Natural Attenuation Parameters													
Alkalinity, total (as $CaCO_3$)	mg/L	--	--	280.	270.	320.	310.	340.	340.	360.	360.	260.	250.
Chloride (as Cl)	mg/L	250.	125.	150.	130.	130.	140.	140.	140.	180.	140.	150.	130.
Iron, total (unfiltered)	mg/L	--	--	0.229	0.042 J	0.355	<0.020 U	0.394	0.268	0.362	0.209	0.158	0.108
Iron, dissolved (filtered)	mg/L	0.3	0.15	0.149	<0.010 U	0.32	<0.010 U	0.385	0.226	0.347	0.167 J	0.109	<0.027
Manganese, total (unfiltered)	µg/L	--	--	3.5 J	1.9 J	17.7	1.4 J	19.5	12.2	22.1	17.8	6.1	<1.5
Manganese, dissolved (filtered)	µg/L	50.	25.	6.5	<1.6 U	12.9	<1.6 U	20.6	<2.2 U	23.	18.9	6.3	<1.2
Nitrate Nitrogen, total	mg/L	10.	2.	NA	NA	NA	NA	NA	NA	NA	NA	<0.12	<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	--	--	<0.60 U	<0.60 U	<0.9 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.80 U	<0.38	<0.38
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	<0.59
Methane	µg/L	--	--	8.4	0.31 J	15.	3.	12.	2.2	13.	17.	20.	<0.45
Sulfate(as SO4)	mg/L	250.	125.	31.	29.	29.	30.	30.	30.	33.	27.	29.	24.
Total Organic Carbon	mg/L	--	--	0.86 J	0.47 J	<0.4 U	0.75 J	1 J	1.2 J	<0.50 U	0.44 J	<0.4	0.86
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	<0.013
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	<0.013
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	<0.015
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	<0.036
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	<0.017
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
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	<0.074
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	<0.019
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	<0.031
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	<0.022
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	<0.011
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	<0.12
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	<0.029
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	<0.016
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	<0.017
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	<0.013
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	<0.013
1,3-Dichlorobenzene	µg/L	600.	120.	0.12	0.038 J	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	0.036
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	<0.020
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	<0.017
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	<7.0
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	<0.075
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	<0.31
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	<0.020
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	<0.15
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	<0.013
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	<0.19
Acetone	µg/L	9000.	1800.	<1.3 UZ	<1.3 UZ	<0.9 U	<0.90 U	<0.30 U	0.39 JB	<0.30 U	0.64 JB	<0.84	<0.84
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	<0.022
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	<0.018
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	<0.034

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

		Date Sampled:		12/11/14	5/6/15	11/05/2015	5/11/16	11/1/16	5/9/17	11/29/17	11/8/18	12/1/21	11/15/22
	Units	NR140 ES	NR140 PAL	MW-12B	MW-12B	MW-12B	MW-12B	MW-12B	MW-12B	MW-12B	MW-12B	MW-12B	MW-12B
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	<0.019
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	<0.041
Bromomethane	µg/L	10.	1.	<0.070 U	<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.	<0.080 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	<0.029 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	--	--	<0.024 U	<0.024 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.013
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	<0.40
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	<0.016
Chloromethane	µg/L	30.	3.	0.1 JB	<0.040 U	<0.05 U	<0.050 U	<0.040 U	0.063 JB	<0.040 U	0.16	<0.045	<0.045
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	<0.023
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	<0.014
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	<0.016
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	<0.018
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	<0.091
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	<0.02
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	<0.014
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	<0.027
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	<0.020
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	<0.030
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	<0.014
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	<0.090	<0.090
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	<0.025
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
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	<0.020
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	<0.016
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	<0.016
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	<0.021
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	<0.014
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	<0.020
Tetrachloroethene	µg/L	5.	0.05	0.065 J	<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.	<0.70 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.	<0.027 U	<0.027 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.014	<0.020
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	<0.020
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	<0.020
Trichloroethene	µg/L	5.	0.5	0.022 J	<0.020 U	<0.03 U	<0.030 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.022	<0.022
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	<0.033
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	<0.14
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	<0.019

Table 3. Groundwater Quality Data

Oconomowoc Electroplating Company Inc. (OECI) Superfund Site Monitoring Wells

	Date Sampled:			12/11/14	5/6/15	11/05/2015	5/13/16	11/1/16	5/9/17	11/29/17	11/8/18	12/6/21	12/6/21	11/17/22	11/17/22
	Units	NR140 ES	NR140 PAL	MW-13S	MW-13S	MW-13S	MW-13S	MW-13S	MW-13S	MW-13S	MW-13S	MW-13S	MW-13S DUP	MW-13S	MW-13S DUP C
Field Parameters															
Dissolved Oxygen (DO)	mg/L	--	--	10.09	5.81	1.87	3.78	4.08	4.41	0.02	3.70	4.54	NA	4.25	NA
Oxidation Reduction Potential	millivolts	--	--	4	91	22	130	126	203	-14	-46	17	NA	18.7	NA
pH	pH-units	--	--	7.61	7.52	7.08	7.35	6.74	7.51	7.12	7.19	7.88	NA	7.55	NA
Specific Conductivity	umhos/cm	--	--	865	599	706	832	755	1090	692	991	814.79	NA	667.21	NA
Temperature	deg-C	--	--	5.48	10.34	14.19	12.29	12.90	11.62	16.09	10.55	8.79	NA	9.04	NA
Turbidity	ntu	--	--	113.	11.3	9.	30.2	0.	62.	62.	9.4	162.8	NA	256.32	NA
Natural Attenuation Parameters															
Alkalinity, total (as $CaCO_3$)	mg/L	--	--	310.	260.	320.	310.	330.	350.	360.	350.	270.	270.	260.	250.
Chloride (as Cl)	mg/L	250.	125.	170.	70.	140.	120.	130.	150.	130.	160.	110.	110.	110.	97.
Iron, total (unfiltered)	mg/L	--	--	2.74	0.688	0.734	2.	5.16	9.04	0.576	17.6	0.375	0.399	12.6	5.55
Iron, dissolved (filtered)	mg/L	0.3	0.15	0.0768	<0.010 U	0.111	0.0982	0.118 J	0.128 J	0.191 J	0.0715 J	<0.027	<0.027	<0.027	<0.027
Manganese, total (unfiltered)	µg/L	--	--	45.3	7.8	24.8	28.3	62.	36,800	20.4	233.	50.4	55.8	812.	353.
Manganese, dissolved (filtered)	µg/L	50.	25.	13.9	7.8	13.4	10.	13.9	<2.2 U	20.7	16.5	<1.2	<1.2	<1.2	<1.2
Nitrate Nitrogen, total	mg/L	10.	2.	NA	NA	NA	NA	NA	NA	NA	NA	4.3	4.3	12.	14.
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	NA	NA
Ethane	µg/L	--	--	<0.60 U	<0.60 U	<0.9 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.80 U	<0.38	<0.38	<0.38	<0.38
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	<0.59	<0.59	<0.59
Methane	µg/L	--	--	0.3 J	<0.30 U	<0.4 U	<0.40 U	0.43 J	<0.40 U	0.4 J	<0.40 U	<0.45	<0.45	2.1	<0.45
Sulfate(as SO4)	mg/L	250.	125.	18.	13.	16.	17.	17.	23.	24.	21.	15.	14.	16.	15.
Total Organic Carbon	mg/L	--	--	6.7	2.3	<0.4 U	2.9	1.6 J	2.6	1.4 J	2.5	0.67	0.87	2.7	2.
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	<0.013	<0.013	<0.013
1,1,1-Trichloroethane	µg/L	200.	40.	0.063 J	0.033 J	0.1 J	<0.060 U	0.11 J	0.051 J	0.067 J	<0.050 U	<0.013	<0.013	<0.013	<0.013
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	<0.015	<0.015	<0.015
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	<0.036	<0.036	<0.036
1,1-Dichloroethane	µg/L	850.	85.	0.057 J	0.056 J	<0.06 U	<0.060 U	0.072 J	<0.060 U	<0.060 U	<0.060 U	<0.017	<0.017	<0.017	<0.017
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	<0.024	<0.024
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	<0.074	<0.074	<0.074
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	<0.019	<0.019	<0.019
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	<0.031	<0.031	<0.031
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	<0.022	<0.022	<0.022
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	<0.011	<0.011	<0.011
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	<0.012	<0.12	<0.12	<0.12
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	<0.029	<0.029	<0.029
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	<0.016	<0.016	<0.016
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	<0.017	<0.017	<0.017
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	<0.013	<0.013	<0.013
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	<0.013	<0.013	<0.013
1,3-Dichlorobenzene	µg/L	600.	120.	0.14	0.03 J	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.013	0.044	0.032
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	<0.020	<0.020	<0.020
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	<0.017	<0.017	<0.017
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	<7.0	<7.0	<7.0
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	<0.075	<0.075	<0.075
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	<0.31	<0.31	<0.31
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	<0.020	<0.020	<0.020
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	<0.15	<0.15	<0.15
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	<0.013	<0.013	<0.013
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	<0.19	<0.19	<0.19
Acetone	µg/L	9000.	1800.	<1.3 UZ	<1.3 UZ	<0.9 U	<0.90 U	<0.30 U	0.52 JB	<0.30 U	0.61 JB	2.9	2.7	1.2	1.1
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	<0.022	<0.022	<0.022
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	<0.018	<0.018	<0.018
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	<0.034	<0.034	<0.034

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

	Date Sampled:			12/11/14	5/6/15	11/05/2015	5/13/16	11/1/16	5/9/17	11/29/17	11/8/18	12/6/21	12/6/21	11/17/22	11/17/22
	Units	NR140 ES	NR140 PAL	MW-13S	MW-13S	MW-13S	MW-13S	MW-13S	MW-13S	MW-13S	MW-13S	MW-13S	MW-13S DUP	MW-13S	MW-13S DUP C
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	<0.019	<0.019	<0.019
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	<0.041	<0.041	<0.041
Bromomethane	µg/L	10.	1.	<0.070 U	<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	<0.052	<0.052
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	<0.11	<0.11	<0.11
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	<0.018	<0.018	<0.018
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	<0.013	<0.013	<0.013
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	<0.40	<0.40	<0.40
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	1.	<0.016	<0.016	0.1	0.1
Chloromethane	µg/L	30.	3.	0.082 JB	<0.040 U	<0.05 U	<0.050 U	<0.040 U	0.14 B	<0.040 U	0.15	0.11	0.19	0.2	0.17
cis-1,2-Dichloroethene	µg/L	70.	7.	0.045 J	0.13	0.16 J	<0.060 U	0.25	1.	2.1	0.41	0.064	0.055	0.97	0.75
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	<0.014	<0.014	<0.014
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	<0.016	<0.016	<0.016
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	<0.018	<0.018	<0.018
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	<0.091	<0.091	<0.091
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	<0.02	<0.02	<0.02
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	<0.014	<0.014	<0.014
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	<0.027	<0.027	<0.027
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	<0.014	<0.020	<0.020
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	<0.022	<0.030	<0.030
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	<0.014	<0.014	<0.014
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	<0.090	<0.090	<0.090	<0.090
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	<0.025	<0.025	<0.025
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	<0.021	<0.021
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	<0.013	<0.020	<0.020
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	<0.016	<0.016	<0.016
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	<0.016	<0.016	<0.016
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	<0.012	<0.021	<0.021
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	<0.014	<0.014	<0.014
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	<0.013	<0.020	<0.020
Tetrachloroethene	µg/L	5.	0.05	0.035 J	0.032 J	0.064 J	<0.060 U	0.097 J	0.054 J	<0.050 U	<0.050 U	<0.028	<0.028	<0.028	<0.028
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	<0.38	<0.38	<0.38
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	<0.014	<0.020	<0.020
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	0.05 J	<0.040 U	<0.020	<0.020	<0.020	<0.020
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	<0.020	<0.020	<0.020
Trichloroethene	µg/L	5.	0.5	0.11	0.037 J	0.13	0.051 J	0.18	<0.050 U	0.099 J	0.18	0.15	0.13	0.1	0.07
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	<0.033	<0.033	<0.033
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	<0.14	<0.14	<0.14
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	<0.019	<0.019	<0.019

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

		Date Sampled:		12/11/14	5/6/15	11/05/2015	5/13/16	11/1/16	5/9/17	11/29/17	11/8/18	12/6/21	11/17/22
	Units	NR140 ES	NR140 PAL	MW-13D	MW-13D	MW-13D	MW-13D	MW-13D	MW-13D	MW-13D	MW-13D	MW-13D	MW-13D
Field Parameters													
Dissolved Oxygen (DO)	mg/L	--	--	2.21	0.00	0.20	0.00	0.19	0.65	0.00	0.69	1.31	0.12
Oxidation Reduction Potential	millivolts	--	--	-72	-62	-74	-56	-83	-37	-73	-92	-66	-0.09
pH	pH-units	--	--	7.57	7.42	7.02	7.20	7.05	7.55	7.38	7.18	9.28	7.45
Specific Conductivity	umhos/cm	--	--	1070	967	908	1140	1070	1370	904	1088	1496.4	956.01
Temperature	deg-C	--	--	7.53	11.59	14.52	11.41	8.58	9.83	16.14	10.77	9.28	9.64
Turbidity	ntu	--	--	0.	0.1	2.4	116.	0.	163.	163.	7.7	159.17	21.64
Natural Attenuation Parameters													
Alkalinity, total (as $CaCO_3$)	mg/L	--	--	350.	340.	380.	360.	380.	390.	390.	380.	420.	330.
Chloride (as Cl)	mg/L	250.	125.	230.	190.	180.	190.	170.	170.	220.	180.	260.	220.
Iron, total (unfiltered)	mg/L	--	--	1.79	0.772	1.21	28.5	1.42	12.8	1.28	1.66	1.39	1.99
Iron, dissolved (filtered)	mg/L	0.3	0.15	0.898	0.67	0.801	0.814	0.753	0.736	0.799	0.781	1.42	1.20
Manganese, total (unfiltered)	µg/L	--	--	31.7	31.8	38.6	3.62	33.	28.1	31.6	32.7	48.2	33.3
Manganese, dissolved (filtered)	µg/L	50.	25.	31.9	27.	34.3	29.7	31.9	<2.2 U	31.1	34.6	48.8	34.4
Nitrate Nitrogen, total	mg/L	10.	2.	NA	NA	NA	NA	NA	NA	NA	NA	<0.12	<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	--	--	<0.60 U	<0.60 U	<0.9 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.80 U	<0.38	<0.38
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	<0.59
Methane	µg/L	--	--	21.	18.	20.	28.	24.	7.1	15.	3.3	11.	11.
Sulfate(as SO4)	mg/L	250.	125.	64.	52.	50.	49.	46.	45.	62.	44.	120.	57.
Total Organic Carbon	mg/L	--	--	9.5	2.	0.45 J	1.8	1.6 J	2.1	1.5 J	1.1 J	2.1	1.6
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	<0.013
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	<0.013
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	<0.015
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	<0.036
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	<0.017
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
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	<0.074
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	<0.019
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	<0.031
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	<0.022
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	<0.011
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	<0.12
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	<0.029
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	<0.016
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	0.17	0.039
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	<0.013
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	<0.013
1,3-Dichlorobenzene	µg/L	600.	120.	0.14	<0.021 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	0.044
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	<0.020
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	<0.017
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	<7.0
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	<0.075
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	<0.31
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	<0.020
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	<0.15
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	<0.013
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	<0.19
Acetone	µg/L	9000.	1800.	<1.3 UZ	<1.3 UZ	<0.9 U	<0.90 U	<0.30 U	0.46 JB	<0.30 U	0.61 JB	<0.84	<0.84
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	<0.022
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	<0.018
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	<0.034

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

		Date Sampled:		12/11/14	5/6/15	11/05/2015	5/13/16	11/1/16	5/9/17	11/29/17	11/8/18	12/6/21	11/17/22
	Units	NR140 ES	NR140 PAL	MW-13D	MW-13D	MW-13D	MW-13D	MW-13D	MW-13D	MW-13D	MW-13D	MW-13D	MW-13D
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	<0.019
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	<0.041
Bromomethane	µg/L	10.	1.	<0.070 U	<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.	<0.080 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	<0.029 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	--	--	<0.024 U	<0.024 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.013
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	<0.40
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	<0.016
Chloromethane	µg/L	30.	3.	0.087 JB	<0.040 U	<0.05 U	<0.050 U	<0.040 U	0.099 JB	<0.040 U	0.097 J	<0.045	0.20
cis-1,2-Dichloroethene	µg/L	70.	7.	1.5	1.4	1.7	1.6	1.7	2.	1.9	2.	13.	4.7
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	<0.014
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	<0.016
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	<0.018
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	<0.091
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	0.022
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	<0.014
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	<0.027
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	<0.020
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	<0.030
Methyl tert-butyl ether	µg/L	60.	12.	0.44	0.45	0.49	0.53	0.52	0.57	0.5	0.6	0.94	0.53
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	<0.090	<0.090
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	<0.025
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
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	<0.020
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	<0.016
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	<0.016
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	<0.021
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	<0.014
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	<0.020
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	<0.028
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	<0.38
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	<0.020
trans-1,2-Dichloroethene	µg/L	100.	20.	0.055 J	0.07 J	<0.06 U	<0.060 U	0.064 J	0.068 J	0.05 J	0.089 J	0.67	0.21
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	<0.020
Trichloroethene	µg/L	5.	0.5	0.032 J	0.022 J	0.045 J	<0.030 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.022	<0.022
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	<0.033
Vinyl acetate	µg/L	--	--	<0.60 U	<0.60 U	<0.5 U	<0.50 U	<0.22 U	1.8	<0.22 U	<0.22 U	<0.14	<0.14
Vinyl chloride	µg/L	0.2	0.02	0.043 J	0.044 J	0.052	0.046 J	0.035 J	0.032 J	0.024 J	0.044 J	0.25	0.076

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

		Date Sampled:		12/15/14	5/7/15	11/04/2015	5/10/16	11/3/16	5/11/17	11/29/17	11/15/18	12/2/21	11/16/22
	Units	NR140 ES	NR140 PAL	MW-14DR	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	--	--	11.86	0.00	0.22	5.74	0.00	0.63	0.00	0.66	1.94	0.41
Oxidation Reduction Potential	millivolts	--	--	94	66	-24	213	105	222	23	39	50.8	69.2
pH	pH-units	--	--	7.57	6.69	7.34	6.65	7.16	7.15	7.41	7.04	7.64	7.40
Specific Conductivity	umhos/cm	--	--	917	840	887	841	1000	829	663	1072	991.32	968.65
Temperature	deg-C	--	--	10.03	11.49	14.02	10.40	7.40	12.53	17.20	11.36	12.14	11.20
Turbidity	ntu	--	--	79.5	0.4	0.	0.	0.	0.	0.	0.	210.38	13.67
Natural Attenuation Parameters													
Alkalinity, total (as $CaCO_3$)	mg/L	--	--	310.	290.	340.	350.	360.	340.	330.	320.	260.	330.
Chloride (as Cl)	mg/L	250.	125.	140 M	170.	190.	190.	160.	150.	140.	210.	190.	210.
Iron, total (unfiltered)	mg/L	--	--	0.252 M	0.0672	0.196	<0.020 U	0.0897 J	0.172	<0.034 U	0.0419 J	0.107	0.118
Iron, dissolved (filtered)	mg/L	0.3	0.15	<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	<0.027
Manganese, total (unfiltered)	µg/L	--	--	5.2 M	205.	310.	182.	233.	190.	168.	124.	315	206
Manganese, dissolved (filtered)	µg/L	50.	25.	123.	113.	200.	92.8	128.	85.8	111.	102.	77	77.0
Nitrate Nitrogen, total	mg/L	10.	2.	NA	NA	NA	NA	NA	NA	NA	NA	0.60	0.31
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	--	--	<0.60 U	<0.60 U	<0.9 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.80 U	<0.38	<0.38
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	<0.59
Methane	µg/L	--	--	0.37 J	<0.30 U	0.44 J	<0.40 U	0.44 J	<0.40 U	44.	3.2	1.8	0.56
Sulfate(as SO4)	mg/L	250.	125.	40.	36.	41.	38.	25.	24.	15.	12.	43.	25
Total Organic Carbon	mg/L	--	--	5.0	1.7	1.4 J	3.3	2.2	4.4	2.1	2.5	0.88	1.9
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	<0.013
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	<0.013
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	<0.015
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	<0.036
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	<0.017
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
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	<0.074
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	<0.019
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	<0.031
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	<0.022
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	<0.011
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	<0.12
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	<0.029
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	<0.016
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	<0.017
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	<0.013
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	<0.013
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	0.035
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	<0.020
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	<0.017
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	<7.0
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	<0.075
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	<0.31
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	<0.020
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	<0.15
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	<0.013
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	<0.19
Acetone	µg/L	9000.	1800.	<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	<0.84
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	<0.022
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	<0.018
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	<0.034

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

			Date Sampled:	12/15/14	5/7/15	11/04/2015	5/10/16	11/3/16	5/11/17	11/29/17	11/15/18	12/2/21	11/16/22
	Units	NR140 ES	NR140 PAL	MW-14DR	MW-14DR	MW-14DR	MW-14DR	MW-14DR	MW-14DR	MW-14DR	MW-14DR	MW-14DR	MW-14DR
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	<0.019
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	<0.041
Bromomethane	µg/L	10.	1.	<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	<0.052
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	<0.11
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	<0.018
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	<0.013
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	<0.40
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	<0.016
Chloromethane	µg/L	30.	3.	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	0.046
cis-1,2-Dichloroethene	µg/L	70.	7.	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	0.036
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	<0.014
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	<0.016
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	<0.018
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	<0.091
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	<0.02
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	<0.014
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	<0.027
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	<0.020
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	<0.030
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	<0.014
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	<0.090
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	<0.025
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
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	<0.020
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	<0.016
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	<0.016
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	<0.021
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	<0.014
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	<0.020
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	<0.028
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	<0.38
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	<0.020
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	<0.020
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	<0.020
Trichloroethene	µg/L	5.	0.5	0.3	0.19	0.2	0.16	0.061 J	0.18	0.12 J	<0.050 U	0.083	0.16
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	<0.033
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	<0.14
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	<0.019

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

		Date Sampled:		12/8/14	5/7/15	11/06/2015	5/13/16	11/4/16	5/11/17	11/30/17	11/15/18	12/2/21	11/16/22
	Units	NR140 ES	NR140 PAL	MW-15S	MW-15S	MW-15S	MW-15S	MW-15S	MW-15S	MW-15S	MW-15S	MW-15S	MW-15S
Field Parameters													
Dissolved Oxygen (DO)	mg/L	--	--	3.68	7.63	2.14	4.97	1.92	5.88	3.58	5.84	1.42	0.49
Oxidation Reduction Potential	millivolts	--	--	43	77	20	228	13	214	54	31	1.9	53.4
pH	pH-units	--	--	7.44	7.00	6.70	7.45	6.70	7.35	7.14	7.17	7.67	7.42
Specific Conductivity	umhos/cm	--	--	583	779	1490	826	1220	463	586	766	1481.9	1172.3
Temperature	deg-C	--	--	10.17	11.35	13.10	15.77	8.77	12.86	15.87	12.47	12.30	12.34
Turbidity	ntu	--	--	0.	0.	0.	0.	0.	0.	0.	0.	181.09	14.89
Natural Attenuation Parameters													
Alkalinity, total (as $CaCO_3$)	mg/L	--	--	300.	220.	340.	310.	290.	310.	310.	310.	330.	250.
Chloride (as Cl)	mg/L	250.	125.	96.	190.	130.	120.	34.	25.	290.	84.	270.	130.
Iron, total (unfiltered)	mg/L	--	--	<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	0.0604
Iron, dissolved (filtered)	mg/L	0.3	0.15	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	<0.027
Manganese, total (unfiltered)	µg/L	--	--	8.7	4.7 J	20.7	10.4	16.2	30.1	7.2J	3.9 J	235.	45.5
Manganese, dissolved (filtered)	µg/L	50.	25.	19.3	<1.6 U	18.5	4.5 J	<2.2 U	<2.2 U	5.8J	<2.2 U	13.5	5.6
Nitrate Nitrogen, total	mg/L	10.	2.	NA	NA	NA	NA	NA	NA	NA	NA	1.6	15.
Acetylene	µg/L	--	--	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 UM	<0.23U	<0.23 U	NA	NA
Ethane	µg/L	--	--	<0.60 U	<0.60 U	<0.9 U	<0.40 U	<0.40 U	<0.40 U	<0.40U	<0.80 U	<0.38	<0.38
Ethene	µg/L	--	--	<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	<0.59
Methane	µg/L	--	--	1.1	<0.30 U	<0.4 U	<0.40 U	<0.40 U	<0.40 U	2.6	<0.40 U	1.3	<0.45
Sulfate(as SO4)	mg/L	250.	125.	11.	9.5	17.	19.	6.8	6.8	9.2	8.8	20.	15.
Total Organic Carbon	mg/L	--	--	0.96 J	1.3 J	<0.4 U	2.5	1.4 J	2.9	0.95J	1.6	1.7	1.6
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	<0.013
1,1,1-Trichloroethane	µg/L	200.	40.	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	<0.013
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	<0.015
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	<0.036
1,1-Dichloroethane	µg/L	850.	85.	0.11	<0.024 U	0.2	0.074 J	<0.060 U	<0.060 U	<0.060 U	<0.060 U	0.052	0.056
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
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	<0.074
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	<0.019
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	<0.031
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	<0.022
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	0.022	<0.011
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	<0.12
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	<0.029
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	<0.016
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	<0.017
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	<0.013
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	<0.013
1,3-Dichlorobenzene	µg/L	600.	120.	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	0.06
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	<0.020
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	<0.017
1,4-Dioxane	µg/L	3.	0.3	NA	NA	NA	NA	<7.0 U	<7.0 U	<7.0 U	<7.0 U	12.	<7.0
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	<0.075
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	<0.31
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	<0.020
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	<0.15
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	<0.013
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	<0.19
Acetone	µg/L	9000.	1800.	<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	0.84
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	<0.022
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	<0.018
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	<0.034

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

		Date Sampled:		12/8/14	5/7/15	11/06/2015	5/13/16	11/4/16	5/11/17	11/30/17	11/15/18	12/2/21	11/16/22
	Units	NR140 ES	NR140 PAL	MW-15S	MW-15S	MW-15S	MW-15S	MW-15S	MW-15S	MW-15S	MW-15S	MW-15S	MW-15S
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	<0.019
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	<0.041
Bromomethane	µg/L	10.	1.	<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	<0.052
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	<0.11
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	<0.018
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	<0.013
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	<0.40
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	<0.016
Chloromethane	µg/L	30.	3.	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	0.21
cis-1,2-Dichloroethene	µg/L	70.	7.	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	0.074
cis-1,3-Dichloropropene	µg/L	0.4	0.04	<0.020 U	<0.020	<0.015 U	<0.015 U	<0.011 U	<0.011 U	<0.011U	<0.011 U	<0.014	<0.014
Dibromochloromethane	µg/L	60.	6.	<0.040 U	<0.040	<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	--	--	<0.040 U	<0.040	<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.	<0.11 U	<0.11	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.091	<0.091
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	<0.02
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	0.022	<0.014
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	<0.027
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	<0.020
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	0.032	<0.030
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	<0.014
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	<0.090
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	<0.025
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
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	<0.020
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	<0.016
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	<0.016
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	<0.021
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	<0.014
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	<0.020
Tetrachloroethene	µg/L	5.	0.05	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	0.040
Tetrahydrofuran	µg/L	50.	10.	<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	<0.38
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	0.048	<0.020
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	<0.020
trans-1,3-Dichloropropene	µg/L	0.4	0.04	<0.018 U	<0.018	<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	0.11	<0.020 U	0.051 J	0.098 J	<0.050 U	<0.050 U	0.058 J	<0.050 U	0.078	0.041
Trichlorofluoromethane	µg/L	--	--	<0.024 U	<0.024	<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	--	--	<0.60 U	<0.60	<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 U	<0.019 U	<0.016 U	<0.016 U	<0.019 U	<0.019 U	<0.019 U	<0.019 U	<0.019	<0.019

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

		Date Sampled:		12/9/14	5/7/15	11/06/2015	5/16/16	11/4/16	5/11/17	11/30/17	11/15/18	12/2/21	11/16/22
	Units	NR140 ES	NR140 PAL	MW-15D	MW-15D	MW-15D	MW-15D	MW-15D	MW-15D	MW-15D	MW-15D	MW-15D	MW-15D
Field Parameters													
Dissolved Oxygen (DO)	mg/L	--	--	0.71	0.30	2.55	0.00	8.71	0.03	0.00	0.51	1.87	0.27
Oxidation Reduction Potential	millivolts	--	--	144	47	45	158	114	133	23	-27	-26.1	38.4
pH	pH-units	--	--	7.11	6.78	6.67	7.19	7.43	7.06	7.18	7.06	7.76	7.37
Specific Conductivity	umhos/cm	--	--	987	995	920	1140	528	956	842	947	874.03	926.38
Temperature	deg-C	--	--	10.61	12.95	12.35	15.91	6.43	13.27	17.03	11.78	12.01	11.20
Turbidity	ntu	--	--	0.	0.	1.6	0.3	0.	0.	0.	0.8	152.14	11.69
Natural Attenuation Parameters													
Alkalinity, total (as $CaCO_3$)	mg/L	--	--	350.	350.	340.	370.	400.	390.	390.	350.	280.	300.
Chloride (as Cl)	mg/L	250.	125.	220.	190.	180.	45.	200.	160.	200.	83.	140.	250.
Iron, total (unfiltered)	mg/L	--	--	0.265	0.0481 J	0.0353 J	0.147	0.0418 J	0.051 J	<0.034U	0.0404 J	0.743	0.352
Iron, dissolved (filtered)	mg/L	0.3	0.15	0.014 J	0.0222 J	<0.01 U	<0.010 U	<0.059 U	<0.059 U	<0.059U	<0.059 U	<0.027	<0.027
Manganese, total (unfiltered)	µg/L	--	--	269.	301.	256.	226.	237.	168.	51.2	260.	276.	453.
Manganese, dissolved (filtered)	µg/L	50.	25.	235.	311.	251.	225.	227.	159.	54.5	238.	221.	300.
Nitrate Nitrogen, total	mg/L	10.	2.	NA	NA	NA	NA	NA	NA	NA	NA	<0.12	0.44
Acetylene	µg/L	--	--	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23U	<0.23 U	NA	NA
Ethane	µg/L	--	--	<0.60 U	<0.60 U	<0.9 U	<0.40 U	<0.40 U	<0.40 U	<0.40U	<0.80 U	<0.38	<0.38
Ethene	µg/L	--	--	<0.90 U	<0.90 U	<1.2 U	<0.50 U	<0.50 U	<0.50 U	<0.50U	<1.2 U	<0.59	<0.59
Methane	µg/L	--	--	2.9	2.1	1.8	2.8	1 J	<0.40 U	1.2	6.6	9.7	5.1
Sulfate(as SO4)	mg/L	250.	125.	43.	54.	42.	210.	49.	44.	50.	21.	16.	27.
Total Organic Carbon	mg/L	--	--	1.5	2.2	0.68 J	2.9	2.8	3.8	1.8	2.1	1.7	2.2
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	<0.013
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	<0.013
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	<0.015
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	<0.036
1,1-Dichloroethane	µg/L	850.	85.	0.026 J	0.033 J	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.017	<0.017
1,1-Dichloroethene	µg/L	7.	0.7	0.052 J	0.071 J	<0.07 U	<0.070 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.024	0.046
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	<0.074
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	<0.019
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	<0.031
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	<0.022
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	<0.011
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	<0.12
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	<0.029
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	<0.016
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	<0.017
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	<0.013
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	<0.013
1,3-Dichlorobenzene	µg/L	600.	120.	0.13	<0.021 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	0.067
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	<0.020
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	<0.017
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	<7.0
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	<0.075
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	<0.31
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	<0.020
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	<0.15
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	<0.013
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	<0.19
Acetone	µg/L	9000.	1800.	<1.3 UZ	<1.3 U	<0.9 U	<0.90 U	<0.30 U	0.72 JB	<0.30 U	0.33 JB	<0.84	0.89
Benzene	µg/L	5.	0.5	<0.019 U	<0.019 U	<0.06 U	<0.060 U	0.023 J	0.019 J	<0.018 U	<0.018 U	<0.022	<0.022
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	<0.018
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	<0.034

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

		Date Sampled:		12/9/14	5/7/15	11/06/2015	5/16/16	11/4/16	5/11/17	11/30/17	11/15/18	12/2/21	11/16/22
	Units	NR140 ES	NR140 PAL	MW-15D	MW-15D	MW-15D	MW-15D	MW-15D	MW-15D	MW-15D	MW-15D	MW-15D	MW-15D
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	<0.019
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	<0.041
Bromomethane	µg/L	10.	1.	<0.070 U	<0.070 UQ,Z	<0.09 U	<0.090 U	<0.080 UZ	<0.080 U	<0.080 U	<0.080 UY	<0.052	<0.052
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	<0.11
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	<0.018
Chlorobenzene	µg/L	--	--	0.25	0.25	0.24	0.28	0.24	0.23	0.25	0.19	0.21	0.24
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	<0.40
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	<0.016
Chloromethane	µg/L	30.	3.	0.04 JB	<0.040 U	0.077 J	<0.050 U	<0.040 U	0.044 J	<0.040 U	0.043 J	<0.045	0.2
cis-1,2-Dichloroethene	µg/L	70.	7.	3.1	3.8	2.5	3.9	2.2	1.4	3.8	1.7	3.9	4.7
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	<0.011U	<0.011 U	<0.014	<0.014
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	<0.016
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	<0.018
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	<0.091
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	<0.02
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	<0.014
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	<0.027
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	<0.020
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	<0.030
Methyl tert-butyl ether	µg/L	60.	12.	<0.040 U	<0.040 U	<0.04 U	0.043 J	<0.040 U	<0.040 U	0.098 J	<0.040 U	<0.014	<0.014
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	<0.090
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	<0.025
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
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	<0.020
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	<0.016
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	<0.016
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	<0.021
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	<0.014
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	<0.020
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	<0.028
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	<0.38
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	<0.020
trans-1,2-Dichloroethene	µg/L	100.	20.	0.086 J	0.17	0.1 J	0.19 J	0.099 J	0.077 J	0.097 J	0.064 J	0.11	0.12
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	<0.020
Trichloroethene	µg/L	5.	0.5	9.	12.	9.8	12.	9.8	10.	9.5	7.9	7.3	9.5
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	<0.033
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	<0.14
Vinyl chloride	µg/L	0.2	0.02	0.02 J	<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

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

		Date Sampled:		12/8/14	5/7/15	11/06/2015	5/13/16	11/4/16	5/11/17	11/30/17	11/15/18	12/2/21	11/17/22	11/17/22
	Units	NR140 ES	NR140 PAL	MW-15B	MW-15B	MW-15B	MW-15B	MW-15B	MW-15B	MW-15B	MW-15B	MW-15B	MW-15B	MW-15B DUP B
Field Parameters														
Dissolved Oxygen (DO)	mg/L	--	--	1.18	0.13	0.32	0.00	0.29	1.40	0.00	0.27	1.72	0.27	NA
Oxidation Reduction Potential	millivolts	--	--	-131	-121	-128	-129	-115	-92	-132	-172	-90.5	-48.1	NA
pH	pH-units	--	--	7.28	6.81	6.93	7.35	7.33	7.23	7.81	6.97	7.54	7.47	NA
Specific Conductivity	umhos/cm	--	--	508	586	552	709	695	549	537	4540	2692.8	1451.4	NA
Temperature	deg-C	--	--	9.17	13.62	12.28	13.52	3.20	13.47	15.75	10.86	11.83	11.25	NA
Turbidity	ntu	--	--	48.	0.05	0.	1.3	0.	0.	0.	0.	175.9	7.85	NA
Natural Attenuation Parameters														
Alkalinity, total (as $CaCO_3$)	mg/L	--	--	410.	390.	420.	440.	450.	450.	450.	260.	240.	260.	260.
Chloride (as Cl)	mg/L	250.	125.	13.	9.2	8.6 M	2.3	8.6	8.	9.2	1400.	730.	430.	520.
Iron, total (unfiltered)	mg/L	--	--	2.27	2.29	3.31	2.14	2.35	2.33	2.17	4.42	9.57	3.96	4.06
Iron, dissolved (filtered)	mg/L	0.3	0.15	2.07	2.25	2.45	2.33	2.41	2.27	2.14	4.4	4.95	3.89	3.94
Manganese, total (unfiltered)	µg/L	--	--	631.	516.	548.	410.	429.	348.	334.	716.	666.	355.	365.
Manganese, dissolved (filtered)	µg/L	50.	25.	550.	521.	539.	442.	411.	360.	381.	725.	559.	372.	378.
Nitrate Nitrogen, total	mg/L	10.	2.	NA	NA	NA	NA	NA	NA	NA	NA	0.84	0.15	<0.12
Acetylene	µg/L	--	--	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23U	<0.23 U	NA	NA	NA
Ethane	µg/L	--	--	<0.60 U	5.7	<0.9 U	0.93 J	<0.40 U	<0.40 U	<0.40U	<0.80 U	<0.38	<0.38	<0.38
Ethene	µg/L	--	--	<0.90 U	<0.90 U	<1.2 U	<0.50 U	<0.50 U	<0.50 U	<0.50U	<1.2 U	<0.59	<0.59	<0.59
Methane	µg/L	--	--	590.	720.	580.	920.	210.	410.	370.	63.	2500.	570.	1200.
Sulfate(as SO4)	mg/L	250.	125.	16.	8.9	6.	8.7	<1.0 U	<1.0 U	<1.0U	13.	0.84	1.5	3.
Total Organic Carbon	mg/L	--	--	0.68 J	1.2 J	<0.4 U	1.3 J	1.1 J	<0.50 U	0.84J	3.4	1.9	0.76	0.86
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	<0.013	<0.013
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	<0.013	<0.013
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	<0.015	<0.015
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	<0.036	<0.036
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	<0.017	<0.017
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	<0.024
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	<0.074	<0.074
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	<0.019	<0.019
1,2,3-Trichloropropane	µg/L	60.	12.	<0.080 U	<0.080 U	<0.04 U	<0.040 U	<0.040 UM	<0.040 U	<0.040 U	<0.040 U	<0.031	<0.031	<0.031
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	<0.022	<0.022
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	<0.011	<0.011
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	<0.12	<0.12
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	<0.029	<0.029
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	<0.016	<0.016
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	<0.017	<0.017
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	<0.013	<0.013
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	<0.013	<0.013
1,3-Dichlorobenzene	µg/L	600.	120.	0.13	0.031 J	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	0.041	0.05
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	<0.020	<0.020
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	<0.017	<0.017
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	<7.0	<7.0
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	<0.075	<0.075
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	<0.31	<0.31
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	<0.020	<0.020
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	<0.15	<0.15
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	<0.013	<0.013
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	<0.19	<0.19
Acetone	µg/L	9000.	1800.	<1.3 UZ	<1.3 U	<0.9 U	<0.90 U	<0.30 U	0.36 JB	<0.30 U	0.5 JB	<0.84	<0.84	0.98
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	<0.022	<0.022
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	<0.018	<0.018
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	<0.034	<0.034

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

		Date Sampled:		12/8/14	5/7/15	11/06/2015	5/13/16	11/4/16	5/11/17	11/30/17	11/15/18	12/2/21	11/17/22	11/17/22
	Units	NR140 ES	NR140 PAL	MW-15B	MW-15B	MW-15B	MW-15B	MW-15B	MW-15B	MW-15B	MW-15B	MW-15B	MW-15B	MW-15B DUP B
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	<0.019	<0.019
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	<0.041	<0.041
Bromomethane	µg/L	10.	1.	<0.070 U	<0.070 UQ,Z	<0.09 U	<0.090 U	<0.080 UM,Z	<0.080 U	<0.080 U	<0.080 UY	<0.052	<0.052	<0.052
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	<0.11	<0.11
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	<0.018	<0.018
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	<0.013	<0.013
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	<0.40	<0.40
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	<0.016	<0.016
Chloromethane	µg/L	30.	3.	0.068 JB	<0.040 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	0.05 J	<0.045	0.20	0.19
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	<0.023	<0.023
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	<0.011U	<0.011 U	<0.014	<0.014	<0.014
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	<0.016	<0.016
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	<0.018	<0.018
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	<0.091	<0.091
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	<0.02	<0.02
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	<0.014	<0.014
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	<0.027	<0.027
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	<0.020	<0.020
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	<0.030	<0.030
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	<0.014	<0.014
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	<0.090	<0.090
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	<0.025	<0.025
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	<0.021
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	<0.020	<0.020
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	<0.016	<0.016
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	<0.016	<0.016
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	<0.021	<0.021
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	<0.014	<0.014
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	<0.020	<0.020
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	<0.028	<0.028
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	<0.38	<0.38
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	<0.020	<0.020
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	<0.020	<0.020
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	<0.020	<0.020
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	<0.022	<0.022
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	<0.033	<0.033
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	<0.14	<0.14
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	<0.019	<0.019

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

		Date Sampled:		12/11/14	5/8/15	11/05/2015	5/13/16	11/4/16	5/12/17	11/28/17	11/19/18	12/6/21	11/16/22
	Units	NR140 ES	NR140 PAL	MW-16S	MW-16S	MW-16S	MW-16S	MW-16S	MW-16S	MW-16S	MW-16S	MW-16S	MW-16S
Field Parameters				Not									
Dissolved Oxygen (DO)	mg/L	--	--	Sampled.	9.96	0.36	0.00	0.05	0.05	0.00	0.53	2.01	0.45
Oxidation Reduction Potential	millivolts	--	--	Ice in well.	-90	-80	-73	-123	-123	-73	-125	-44.1	-9
pH	pH-units	--	--		6.44	6.48	7.01	7.07	7.07	6.48	6.84	8.16	7.69
Specific Conductivity	umhos/cm	--	--		299	2510	2730	2690	2690	2220	2510	1292	638.58
Temperature	deg-C	--	--		9.96	13.53	15.36	6.32	6.32	16.31	8.59	7.98	10.17
Turbidity	ntu	--	--		19.2	11.4	2.8	0.	0.	0.	0.8	135.1	7.33
Natural Attenuation Parameters													
Alkalinity, total (as $CaCO_3$)	mg/L	--	--		680.	720.	730.	690.	710.	590.	630.	390.	330.
Chloride (as Cl)	mg/L	250.	125.		260.	230.	250.	220.	210 M	260.	230 M	200.	79.
Iron, total (unfiltered)	mg/L	--	--		7.73	6.35	58.3	5.83	6.39 M	5.24	4.82	2.64	2.57
Iron, dissolved (filtered)	mg/L	0.3	0.15		6.3	5.42	5.77	5.66	5.15	4.34	4.77	2.02	2.56
Manganese, total (unfiltered)	µg/L	--	--		67.8	76.3	6.77	66.2	57.7	52.5	53.6	31.6	240.
Manganese, dissolved (filtered)	µg/L	50.	25.		65.6	64.8	58.6	61.4	46.5	49.3	53.4	33.	244.
Nitrate Nitrogen, total	mg/L	10.	2.		NA	NA	NA	NA	NA	NA	NA	0.49	<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	NA	NA
Ethane	µg/L	--	--		<0.60 U	<0.9 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.80 U	<0.38	<0.38
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	<0.59
Methane	µg/L	--	--		11.	13.	19.	1.7	1.9	6.6 M	1.7 MY	9.6	1300.
Sulfate(as SO4)	mg/L	250.	125.		910.	790.	950.	720.	670 M	690.	550 M	85.	<0.8
Total Organic Carbon	mg/L	--	--		3.8	3.1	4.8	4.6	6.1	3.8	5.7	3.5	0.76
VOCs													
1,1,1,2-Tetrachloroethane	µg/L	70.	7.		<0.030 U	<2.5 U	<0.50 U	<2.0 U	<4.0 U	<4.0 U	<4.0 U	<0.013	<0.013
1,1,1-Trichloroethane	µg/L	200.	40.		<0.030 U	<3 U	<0.60 U	<2.5 U	<5.0 U	<5.0 U	<5.0 U	<0.013	<0.013
1,1,2,2-Tetrachloroethane	µg/L	0.2	0.02		<0.020 U	<1 U	<0.20 U	<0.85 U	<1.7 U	<1.7 U	<1.7 U	<0.015	<0.015
1,1,2-Trichloroethane	µg/L	5.	0.5		<0.070 U	<2.5 U	<0.50 U	<2.5 U	<5.0 U	<5.0 U	<5.0 U	<0.036	<0.036
1,1-Dichloroethane	µg/L	850.	85.		0.23	<3 U	<0.60 U	<3.0 U	<6.0 U	<6.0 U	<6.0 U	0.038	<0.017
1,1-Dichloroethene	µg/L	7.	0.7		1.1	<3.5 U	0.81 J	<3.0 U	<6.0 U	<6.0 U	<6.0 U	0.43	<0.024
1,1-Dichloropropene	µg/L	--	--		<0.080 U	<3 U	<0.60 U	<3.0 U	<6.0 U	<6.0 U	<6.0 U	<0.074	<0.074
1,2,3-Trichlorobenzene	µg/L	--	--		<0.040 U	<2.5 U	<0.50 U	<2.0 U	<4.0 U	<4.0 U	<4.0 U	<0.019	<0.019
1,2,3-Trichloropropane	µg/L	60.	12.		<0.080 U	<2 U	<0.40 U	<2.0 U	<4.0 U	<4.0 U	<4.0 U	<0.031	<0.031
1,2,4-Trichlorobenzene	µg/L	70.	14.		<0.029 U	<2 U	<0.40 U	<2.0 U	<4.0 U	<4.0 U	<4.0 U	<0.022	<0.022
1,2,4-Trimethylbenzene	µg/L	480.	96.		<0.024 U	<2.5 U	<0.50 U	<2.0 U	<4.0 U	<4.0 U	<4.0 U	<0.011	<0.011
1,2-Dibromo-3-chloropropane	µg/L	0.2	0.02		<0.050 U	<1.5 U	<0.30 U	<4.5 U	<9.0 U	<9.0 U	<9.0 U	<0.12	<0.12
1,2-Dibromoethane	µg/L	0.05	0.005		<0.040 U	<2 U	<0.40 U	<3.5 U	<7.0 U	<7.0 U	<7.0 U	<0.029	<0.029
1,2-Dichlorobenzene	µg/L	600.	60.		<0.025 U	<3 U	<0.60 U	<2.0 U	<4.0 U	<4.0 U	<4.0 U	<0.016	<0.016
1,2-Dichloroethane	µg/L	5.	0.5		2.1	3.3 J	2.5	2.5 J	<5.0 U	<5.0 U	<5.0 U	0.91	<0.017
1,2-Dichloropropane	µg/L	5.	0.5		<0.030 U	<3 U	<0.60 U	<3.5 U	<7.0 U	<7.0 U	<7.0 U	<0.013	<0.013
1,3,5-Trimethylbenzene	µg/L	480.	96.		<0.022 U	<3 U	<0.60 U	<2.5 U	<5.0 U	<5.0 U	<5.0 U	<0.013	<0.013
1,3-Dichlorobenzene	µg/L	600.	120.		<0.021 U	<3 U	<0.60 U	<2.0 U	<4.0 U	<4.0 U	<4.0 U	<0.013	<0.013
1,3-Dichloropropane	µg/L	--	--		<0.040 U	<2 U	<0.40 U	<2.0 U	<4.0 U	<4.0 U	<4.0 U	<0.020	<0.020
1,4-Dichlorobenzene	µg/L	75.	15.		<0.026 U	<2.5 U	<0.50 U	<2.0 U	<4.0 U	<4.0 U	<4.0 U	<0.017	<0.017
1,4-Dioxane	µg/L	3.	0.3		NA	NA	NA	<350 U	<700 U	<700 U	<700 U	31.	<7.0
2,2-Dichloropropane	µg/L	--	--		<0.022 U	<2 U	<0.40 U	<2.5 U	<5.0 U	<5.0 U	<5.0 U	<0.075	<0.075
2-Butanone (MEK)	µg/L	4000.	800.		<0.80 U	<40 U	<8.0 U	<25 U	110 J	<50 U	<50 U	<0.31	<0.31
2-Chlorotoluene	µg/L	--	--		<0.025 U	<3 U	<0.60 U	<1.5 U	<3.0 U	<3.0 U	<3.0 U	<0.020	<0.020
2-Hexanone	µg/L	--	--		<0.40 U	<20 U	<4.0 U	<12 U	<24 U	<24 U	<24 U	<0.15	<0.15
4-Chlorotoluene	µg/L	--	--		<0.029 U	<2.5 U	<0.50 U	<2.0 U	<4.0 U	<4.0 U	<4.0 U	<0.013	<0.013
4-Methyl-2-pentanone (MIBK)	µg/L	500.	50.		<0.26 U	<20 U	<4.0 U	<12 U	<24 U	<24 U	<24 U	<0.19	<0.19
Acetone	µg/L	9000.	1800.		<1.3 U	<45 U	240 B	<15 U	100 B	51 JB	37 JB	<0.84	0.98
Benzene	µg/L	5.	0.5		0.024 J	<3 U	<0.60 U	<0.90 U	<1.8 U	<1.8 U	<1.8 U	<0.022	<0.022
Bromobenzene	µg/L	--	--		<0.030 U	<2 U	<0.40 U	<2.0 U	<4.0 U	<4.0 U	<4.0 U	<0.018	<0.018
Bromochloromethane	µg/L	--	--		<0.090 U	<0.85 U	<0.17 U	<1.5 U	<3.0 U	<3.0 UQ	<3.0 U	<0.034	<0.034

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

		Date Sampled:		12/11/14	5/8/15	11/05/2015	5/13/16	11/4/16	5/12/17	11/28/17	11/19/18	12/6/21	11/16/22
	Units	NR140 ES	NR140 PAL	MW-16S	MW-16S	MW-16S	MW-16S	MW-16S	MW-16S	MW-16S	MW-16S	MW-16S	MW-16S
Bromodichloromethane	µg/L	0.6	0.06		<0.018 U	<0.85 U	<0.17 U	<0.80 U	<1.6 U	<1.6 U	<1.6 U	<0.019	<0.019
Bromoform	µg/L	4.4	0.44		<0.060 U	<0.9 U	<0.18 U	<2.0 U	<4.0 U	<4.0 U	<4.0 U	<0.041	<0.041
Bromomethane	µg/L	10.	1.		<0.070 UQ,Z	<4.5 U	<0.90 U	<4.0 UZ	<8.0 UZ	<8.0 UZ	<8.0 UQY	<0.052	<0.052
Carbon disulfide	µg/L	1000.	200.		<0.080 U	<5.5 U	<1.1 U	<3.5 U	<7.0 U	<7.0 U	<7.0 U	<0.11	<0.11
Carbon tetrachloride	µg/L	5.	0.05		<0.029 U	<3 U	<0.60 U	<2.5 U	<5.0 U	<5.0 U	<5.0 U	<0.018	<0.018
Chlorobenzene	µg/L	--	--		<0.024 U	<2 U	<0.40 U	<2.0 U	<4.0 U	<4.0 U	<4.0 U	<0.013	<0.013
Chloroethane	µg/L	400.	80.		<0.040 U	<3 U	<0.60 U	<3.5 U	<7.0 U	<7.0 U	<7.0 U	<0.40	<0.40
Chloroform	µg/L	6.	0.6		<0.030 U	<3 U	<0.60 U	<1.5 U	<3.0 U	<3.0 U	<3.0 U	<0.016	<0.016
Chloromethane	µg/L	30.	3.		<0.040 U	<2.5 U	<0.50 U	<2.0 U	<4.0 U	<4.0 U	<4.0 U	<0.045	0.10
cis-1,2-Dichloroethene	µg/L	70.	7.		800.	1000.	630.	730.	870.	870.	770.	390.	0.15
cis-1,3-Dichloropropene	µg/L	0.4	0.04		<0.020 U	<0.75 U	<0.15 U	<0.55 U	<1.1 U	<1.1 U	<1.1 U	<0.014	<0.014
Dibromochloromethane	µg/L	60.	6.		<0.040 U	<0.8 U	<0.16 U	<1.5 U	<3.0 U	<3.0 U	<3.0 U	<0.016	<0.016
Dibromomethane	µg/L	--	--		<0.040 U	<3 U	<0.60 U	<2.5 U	<5.0 U	<5.0 U	<5.0 U	<0.018	<0.018
Dichlorodifluoromethane	µg/L	1000.	200.		<0.11 U	<3 U	<0.60 U	<3.0 U	<6.0 U	<6.0 U	<6.0 U	<0.091	<0.091
Diisopropyl ether	µg/L	--	--		<0.021 U	<2 U	<0.40 U	<2.0 U	<4.0 U	<4.0 U	<4.0 U	<0.02	<0.02
Ethylbenzene	µg/L	700.	140.		<0.019 U	<3 U	<0.60 U	<2.0 U	<4.0 U	<4.0 U	<4.0 U	<0.014	<0.014
Hexachlorobutadiene	µg/L	--	--		<0.070 U	<3.5 U	<0.70 U	<2.5 U	<5.0 U	<5.0 U	<5.0 U	<0.027	<0.027
Isopropylbenzene	µg/L	--	--		<0.060 U	<2.5 U	<0.50 U	<2.0 U	<4.0 U	<4.0 U	<4.0 U	<0.014	<0.020
m & p-Xylene	µg/L	2000.	400.		<0.050 U	<6 U	<1.2 U	<3.5 U	<7.0 U	<7.0 U	<7.0 U	<0.022	<0.030
Methyl tert-butyl ether	µg/L	60.	12.		<0.040 U	<2 U	<0.40 U	<2.0 U	<4.0 U	<4.0 U	<4.0 U	<0.014	<0.014
Methylene chloride	µg/L	5.	0.5		<0.15 U	<3 U	<0.60 U	<2.5 U	61 M,B	<5.0 U	<5.0 UQZ	<0.090	<0.090
Naphthalene	µg/L	100.	10.		<0.040 U	<2.5 U	<0.50 U	<1.5 U	<3.0 U	<3.0 U	<3.0 U	<0.025	<0.025
n-Butylbenzene	µg/L	--	--		<0.021 U	<2.5 U	<0.50 U	<1.5 U	<3.0 U	<3.0 U	<3.0 U	<0.021	<0.021
n-Propylbenzene	µg/L	--	--		<0.022 U	<2.5 U	<0.50 U	<2.0 U	<4.0 U	<4.0 U	<4.0 U	<0.013	<0.020
o-Xylene	µg/L	2000.	400.		<0.027 U	<2.5 U	<0.50 U	<2.0 U	<4.0 U	<4.0 U	<4.0 U	<0.016	<0.016
p-Isopropyltoluene	µg/L	--	--		<0.030 U	<3 U	<0.60 U	<2.0 U	<4.0 U	<4.0 U	<4.0 U	<0.016	<0.016
sec-Butylbenzene	µg/L	--	--		<0.024 U	<2.5 U	<0.50 U	<2.5 U	<5.0 U	<5.0 U	<5.0 U	<0.012	<0.021
Styrene	µg/L	100.	10.		<0.020 U	<2.5 U	<0.50 U	<1.5 U	<3.0 U	<3.0 U	<3.0 U	<0.014	<0.014
tert-Butylbenzene	µg/L	--	--		<0.025 U	<3 U	<0.60 U	<2.0 U	<4.0 U	<4.0 U	<4.0 U	<0.013	<0.020
Tetrachloroethene	µg/L	5.	0.05		<0.030 U	<3 U	<0.60 U	<2.5 U	<5.0 U	<5.0 U	<5.0 U	<0.028	<0.028
Tetrahydrofuran	µg/L	50.	10.		3.1	<30 U	8.8 JZ	29 JB	69 JB	<40 U	<40 U	0.6	<0.38
Toluene	µg/L	800.	160.		<0.027 U	<3 U	<0.60 U	<2.0 U	<4.0 U	<4.0 U	<4.0 U	<0.014	<0.020
trans-1,2-Dichloroethene	µg/L	100.	20.		34.	32.	27.	34.	41.	30.	30.	0.39	<0.020
trans-1,3-Dichloropropene	µg/L	0.4	0.04		<0.018 U	<0.7 U	<0.14 U	<0.95 U	<1.9 U	<1.9 U	<1.9 U	<0.020	<0.020
Trichloroethene	µg/L	5.	0.5		0.034 J	<1.5 U	<0.30 U	<2.5 U	<5.0 U	<5.0 U	<5.0 U	0.39	<0.022
Trichlorofluoromethane	µg/L	--	--		<0.024 U	<2.5 U	<0.50 U	<4.5 U	<9.0 U	<9.0 U	<9.0 U	<0.033	<0.033
Vinyl acetate	µg/L	--	--		<0.60 U	<25 U	<5.0 U	<11 U	180.	<22 U	<22 U	<0.14	<0.14
Vinyl chloride	µg/L	0.2	0.02		28.	58.	23.	53.	28.	41.	25.	33.	<0.019

Table 3. Groundwater Quality Data

Oconomowoc Electroplating Company Inc. (OECI) Superfund Site Monitoring Wells

		Date Sampled:		12/9/14	5/7/15	11/04/2015	5/10/16	11/3/16	5/11/17	11/29/17	11/15/18	12/2/21	11/16/22
	Units	NR140 ES	NR140 PAL	MW-101S	MW-101S	MW-101S	MW-101S	MW-101S	MW-101S	MW-101S	MW-101S	MW-101S	MW-101S
Field Parameters													
Dissolved Oxygen (DO)	mg/L	--	--	5.27	3.64	6.53	2.62	2.88	12.90	0.00	2.01	3.17	3.90
Oxidation Reduction Potential	millivolts	--	--	110	128	105	336	121	223	77	39	79.6	27.2
pH	pH-units	--	--	7.37	6.52	7.18	6.82	7.02	6.95	7.31	6.83	7.47	7.31
Specific Conductivity	umhos/cm	--	--	1940	1570	2330	3180	374	1100	938	419	1658	483.97
Temperature	deg-C	--	--	9.28	19.29	16.49	9.98	13.67	12.11	17.00	12.80	12.77	13.43
Turbidity	ntu	--	--	0.	3.9	0.	12.3	0.	0.	0.	0.	167.44	18.57
Natural Attenuation Parameters													
Alkalinity, total (as $CaCO_3$)	mg/L	--	--	370.	250.	420.	330.	260.	310.	410.	210.	380.	170.
Chloride (as Cl)	mg/L	250.	125.	590.	690.	420.	830.	28.	300.	280.	30.	420.	66.
Iron, total (unfiltered)	mg/L	--	--	<0.020 U	0.0687	0.0383 J	0.0458 J	0.172	0.569	0.0584 J	0.142	0.568	1.25
Iron, dissolved (filtered)	mg/L	0.3	0.15	0.0111 J	0.0199 J	<0.01 U	0.0296 J	<0.059 U	0.281	<0.059 U	<0.059 U	<0.027	<0.027
Manganese, total (unfiltered)	µg/L	--	--	371.	99.2	157.	68.6	224.	21.4	244.	292.	1830.	218.
Manganese, dissolved (filtered)	µg/L	50.	25.	100.	<1.6 U	4.6 J	<1.6 U	<2.2 U	<2.2 U	61.7	<2.2 U	15.	<1.2
Nitrate Nitrogen, total	mg/L	10.	2.	NA	NA	NA	NA	NA	NA	NA	NA	0.25	0.63
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	NA
Ethane	µg/L	--	--	<0.60 U	<0.60 U	<0.9 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.80 U	<0.38	<0.38
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	<0.59
Methane	µg/L	--	--	<0.30 U	<0.30 U	<0.4 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U	2.3	<0.45	<0.45
Sulfate(as SO4)	mg/L	250.	125.	17.	20.	29.	26.	7.5	21.	22.	5.4	35.	11.
Total Organic Carbon	mg/L	--	--	4.6	5.2	5.6	6.5 Y	4.1	<0.50 U	5.2	2.7	4.2	5.2
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	<0.013
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	<0.013
1,1,2,2-Tetrachloroethane	µg/L	0.2	0.02	<0.020 U	<0.020 U	<0.02 U	<0.020 UY	<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	<0.070 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.	<0.024 U	<0.024 U	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.017	<0.017
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
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	<0.074
1,2,3-Trichlorobenzene	µg/L	--	--	<0.040 U	<0.040 U	<0.05 U	<0.050 UY	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.019	<0.019
1,2,3-Trichloropropane	µg/L	60.	12.	<0.080 U	<0.080 U	<0.04 U	<0.040 UY	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.031	<0.031
1,2,4-Trichlorobenzene	µg/L	70.	14.	<0.029 U	<0.029 U	<0.04 U	<0.040 UY	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.022	<0.022
1,2,4-Trimethylbenzene	µg/L	480.	96.	<0.024 U	<0.024 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.011	<0.011
1,2-Dibromo-3-chloropropane	µg/L	0.2	0.02	<0.050 U	<0.050 U	<0.03 U	<0.030 UY	<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	<0.040 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.	<0.025 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	<0.024 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	<0.030 U	<0.030 U	<0.06 U	<0.060 UY	<0.070 U	<0.070 U	<0.070 U	<0.070 U	<0.013	<0.013
1,3,5-Trimethylbenzene	µg/L	480.	96.	<0.022 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.	0.12	<0.021 U	<0.06 U	<0.060 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.013	0.03
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	<0.020
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	<0.017
1,4-Dioxane	µg/L	3.	0.3	NA	NA	NA	NA	<7.0 U	<7.0 U	<7.0 U	<7.0 U	17.	<7.0
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	<0.075
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	<0.31
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	<0.020
2-Hexanone	µg/L	--	--	<0.40 U	<0.40 U	<0.4 U	<0.40 UY	<0.24 U	<0.24 U	<0.24 U	<0.24 U	<0.15	<0.15
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	<0.013
4-Methyl-2-pentanone (MIBK)	µg/L	500.	50.	<0.26 U	<0.26 U	<0.4 U	<0.40 UY	<0.24 U	<0.24 U	<0.24 U	<0.24 U	<0.19	<0.19
Acetone	µg/L	9000.	1800.	<1.3 UZ	<1.3 U	<0.9 U	<0.90 U	<0.30 U	0.5 JB	<0.30 U	0.3 JB	<0.84	1.4
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	<0.022
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	<0.018
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	<0.034

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

		Date Sampled:		12/9/14	5/7/15	11/04/2015	5/10/16	11/3/16	5/11/17	11/29/17	11/15/18	12/2/21	11/16/22
	Units	NR140 ES	NR140 PAL	MW-101S	MW-101S	MW-101S	MW-101S	MW-101S	MW-101S	MW-101S	MW-101S	MW-101S	MW-101S
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	<0.019
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	<0.041
Bromomethane	µg/L	10.	1.	<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	<0.052
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	<0.11
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	<0.018
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	<0.013
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	0.083 J	<0.40	<0.40
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	<0.016
Chloromethane	µg/L	30.	3.	0.065 JB	<0.040 U	<0.05 U	<0.050 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.045	0.26
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	<0.023
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	<0.014
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	<0.016
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	<0.018
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	<0.091
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	<0.02
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	<0.014
Hexachlorobutadiene	µg/L	--	--	<0.070 U	<0.070 U	<0.07 U	<0.070 UY	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.027	<0.027
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	<0.020
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	<0.030
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	<0.014
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	<0.090
Naphthalene	µg/L	100.	10.	<0.040 U	<0.040 U	<0.05 U	<0.050 UY	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.025	<0.025
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
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	<0.020
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	<0.016
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	<0.016
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	<0.021
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	<0.014
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	<0.020
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	<0.028
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	<0.38
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	<0.020
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	<0.020
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	<0.0020	<0.020
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	<0.022
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	<0.033
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	<0.14
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	<0.019

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

		Date Sampled:		12/9/14	5/7/15	11/04/2015	5/10/16	11/3/16	5/11/17	11/30/17	11/15/18	12/2/21	11/16/22
	Units	NR140 ES	NR140 PAL	MW-101B	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	--	--	0.10	0.11	0.19	0.22	0.00	0.18	0.00	0.52	1.80	0.62
Oxidation Reduction Potential	millivolts	--	--	35	87	30	253	38	193	-31	-42	75.2	54.3
pH	pH-units	--	--	7.62	6.85	7.49	7.24	7.26	7.17	7.20	7.06	7.67	7.67
Specific Conductivity	umhos/cm	--	--	990	863	862	1180	999	926	811	986	986.38	836.04
Temperature	deg-C	--	--	9.65	14.54	15.41	10.52	8.81	13.71	16.70	12.55	11.83	11.81
Turbidity	ntu	--	--	0.	0.5	0.	1.3	0.	0.	0.	0.	164.1	11.32
Natural Attenuation Parameters													
Alkalinity, total (as $CaCO_3$)	mg/L	--	--	330.	320.	350.	360.	370.	380.	380.	380.	280.	330.
Chloride (as Cl)	mg/L	250.	125.	240.	190.	180.	180.	160.	190.	190.	170.	190.	160.
Iron, total (unfiltered)	mg/L	--	--	<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	0.0413
Iron, dissolved (filtered)	mg/L	0.3	0.15	<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	<0.027
Manganese, total (unfiltered)	µg/L	--	--	88.2	58.7	128.	51.8	90.3	55.7	69.4	80.6	219.	81.5
Manganese, dissolved (filtered)	µg/L	50.	25.	95.9	58.4	115.	57.4	111.	59.7	66.7	79.3	93.9	70.
Nitrate Nitrogen, total	mg/L	10.	2.	NA	NA	NA	NA	NA	NA	NA	NA	0.26	<0.12
Acetylene	µg/L	--	--	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23U	<0.23 U	<0.23 U	NA	NA
Ethane	µg/L	--	--	<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	<0.38
Ethene	µg/L	--	--	<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	<0.59
Methane	µg/L	--	--	41.	31.	67.	75.	170.	130.	41.	0.94 J	2.5	13.
Sulfate(as SO4)	mg/L	250.	125.	40.	43.	49.	40.	35.	40.	47.	47.	24.	39.
Total Organic Carbon	mg/L	--	--	0.72 J	1.1 J	<0.4 U	2.	1.2 J	0.82J	3.	1.9	1.2	1.3
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	<0.013
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	<0.013
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	<0.015
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	<0.036
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	<0.017
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
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	<0.074
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	<0.019
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	<0.031
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	<0.022
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	<0.011
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	<0.12
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	<0.029
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	<0.016
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	<0.017
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	<0.013
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	<0.013
1,3-Dichlorobenzene	µg/L	600.	120.	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	0.066
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	<0.020
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	<0.017
1,4-Dioxane	µg/L	3.	0.3	NA	NA	NA	NA	<7.0 U	<7.0 U	<7.0 U	<7.0 U	11.	<7.0
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	<0.075
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	<0.31
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	<0.020
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	<0.15
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	<0.013
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	<0.19
Acetone	µg/L	9000.	1800.	<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	0.94
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	<0.022
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	<0.018
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	<0.034

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

		Date Sampled:		12/9/14	5/7/15	11/04/2015	5/10/16	11/3/16	5/11/17	11/30/17	11/15/18	12/2/21	11/16/22
	Units	NR140 ES	NR140 PAL	MW-101B	MW-101B	MW-101B	MW-101B	MW-101B	MW-101B	MW-101B	MW-101B	MW-101B	MW-101B
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	<0.019
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	<0.041
Bromomethane	µg/L	10.	1.	<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	<0.052
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	<0.11
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	<0.018
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	<0.013
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	<0.40
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	<0.016
Chloromethane	µg/L	30.	3.	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	0.27
cis-1,2-Dichloroethene	µg/L	70.	7.	0.37	0.23	0.34	0.32	0.47	0.51	0.32	0.34	0.043	0.40
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	<0.011U	<0.011 U	<0.014	<0.014
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	<0.016
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	<0.018
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	<0.091
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	<0.02
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	<0.014
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	<0.027
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	<0.020
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	<0.030
Methyl tert-butyl ether	µg/L	60.	12.	0.26	0.22	0.29	0.24	0.24	0.28	0.18	0.28	<0.014	0.21
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	<0.090
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	<0.025
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
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	<0.020
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	<0.016
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	<0.016
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	<0.021
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	<0.014
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	<0.020
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	<0.028
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	<0.038	<0.38
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	<0.020
trans-1,2-Dichloroethene	µg/L	100.	20.	<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	<0.020
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	<0.020
Trichloroethene	µg/L	5.	0.5	<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	<0.022
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	<0.033
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	<0.14
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	<0.019

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

		Date Sampled:		12/9/14	5/7/15	11/06/2015	5/13/16	11/3/16	5/11/17	11/30/17	11/16/18	12/2/21	11/16/22
	Units	NR140 ES	NR140 PAL	MW-102S	MW-102S	MW-102S	MW-102S	MW-102S	MW-102S	MW-102S	MW-102S	MW-102S	MW-102S
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	0.89
Oxidation Reduction Potential	millivolts	--	--	144	122	83	356	94	164	65	72	69.2	83.9
pH	pH-units	--	--	7.16	6.61	6.42	7.14	6.96	6.82	7.10	6.61	7.38	7.01
Specific Conductivity	umhos/cm	--	--	2520	1980	2640	1230	2350	2820	3380	4180	2471.9	3433
Temperature	deg-C	--	--	9.80	10.33	13.44	12.17	11.78	12.84	18.40	11.96	12.86	12.31
Turbidity	ntu	--	--	0.	0.	0.	0.	0.	0.	0.	0.	168.94	12.83
Natural Attenuation Parameters													
Alkalinity, total (as $CaCO_3$)	mg/L	--	--	420.	360.	420.	350.	460.	460.	520.	510.	440.	480.
Chloride (as Cl)	mg/L	250.	125.	650.	490.	630.	220.	590.	710.	200.	960.	550.	1200.
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	0.0594
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	<0.027
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	1.8
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	<1.2
Nitrate Nitrogen, total	mg/L	10.	2.	NA	NA	NA	NA	NA	NA	NA	NA	6.1	1.3
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	--	--	<0.60 U	<0.60 U	<0.9 UY	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.80 U	<0.38	<0.38
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	<0.59
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	<0.45
Sulfate(as SO4)	mg/L	250.	125.	29.	26.	27.	28.	21.	30.	47.	33.	29.	45.
Total Organic Carbon	mg/L	--	--	1.6	1.8	2.3	0.97 J	1.8	3.8	2.7	3.7	2.0	3.0
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	<0.013
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	<0.013
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	<0.015
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	<0.036
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	<0.017
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
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	<0.074
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	<0.019
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	<0.031
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	<0.022
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	<0.011
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	<0.12
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	<0.029
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	<0.016
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	<0.017
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	<0.013
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	<0.013
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	0.049
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	<0.020
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	<0.017
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.	<7.0
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	<0.075
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	<0.31
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	<0.020
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	<0.15
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	<0.013
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	<0.19
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	0.93
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	<0.022
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	<0.018
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	<0.034

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

		Date Sampled:		12/9/14	5/7/15	11/06/2015	5/13/16	11/3/16	5/11/17	11/30/17	11/16/18	12/2/21	11/16/22
	Units	NR140 ES	NR140 PAL	MW-102S	MW-102S	MW-102S	MW-102S	MW-102S	MW-102S	MW-102S	MW-102S	MW-102S	MW-102S
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	<0.019
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	<0.041
Bromomethane	µg/L	10.	1.	<0.070 U	<0.070 UQ,Z	<0.09 U	<0.090 U	<0.080 UZ	<0.080 U	<0.080 UZ	<0.080 UY	<0.052	<0.052
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	<0.11
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	<0.018
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	<0.013
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	<0.40
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	<0.016
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	0.23
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	<0.023
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	<0.011U	<0.011 U	<0.014	<0.014
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	<0.016
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	<0.018
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	<0.091
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	<0.02
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	<0.014
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	<0.027
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	<0.020
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	<0.030
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	<0.014
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	<0.090
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	<0.025
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
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	<0.020
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	<0.016
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	<0.016
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	<0.021
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	<0.014
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	<0.020
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	<0.028
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	<0.38
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	<0.020
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	<0.020
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	<0.020
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	<0.022
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	<0.033
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	<0.14
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	<0.019

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

		Date Sampled:		12/9/14	5/7/15	11/06/2015	5/18/16	11/3/16	5/11/17	11/30/17	11/16/18	12/2/21	11/16/22
	Units	NR140 ES	NR140 PAL	MW-102D	MW-102D	MW-102D	MW-102D	MW-102D	MW-102D	MW-102D	MW-102D	MW-102D	MW-102D
Field Parameters													
Dissolved Oxygen (DO)	mg/L	--	--	7.07	0.00	0.30	0.29	0.00	1.07	0.00	0.87	2.07	0.60
Oxidation Reduction Potential	millivolts	--	--	-80	-78	-70	-2	-87	-44	-83	-116	-19.9	64.4
pH	pH-units	--	--	7.61	6.90	6.88	6.79	7.20	7.06	7.46	7.05	7.69	7.45
Specific Conductivity	umhos/cm	--	--	1010	977	887	1400	1330	1180	958	1202	1263.3	1050
Temperature	deg-C	--	--	8.65	11.97	11.65	11.56	11.12	12.36	17.73	11.19	12.19	10.92
Turbidity	ntu	--	--	0.	0.	0.	0.	0.	0.	0.	0.	157.35	9.17
Natural Attenuation Parameters													
Alkalinity, total (as $CaCO_3$)	mg/L	--	--	330.	330.	340.	460.	480.	480.	370.	480.	400.	399.
Chloride (as Cl)	mg/L	250.	125.	230.	200.	160.	220.	210.	210 M	290.	220.	190.	210.
Iron, total (unfiltered)	mg/L	--	--	0.754	0.785	0.628	1.4	1.67	1.76	1.04	1.92	1.78	2.8
Iron, dissolved (filtered)	mg/L	0.3	0.15	0.592	0.769	0.553	1.54	1.78	1.72	0.961	1.96	1.67	1.75
Manganese, total (unfiltered)	µg/L	--	--	23.9	27.4	31.8	37.7	40.2	35.6	25.8	38.5	46.6	43.2
Manganese, dissolved (filtered)	µg/L	50.	25.	21.	29.4	20.3	34.2	39.7	35.1	26.	39.	41.5	39.1
Nitrate Nitrogen, total	mg/L	10.	2.	NA	NA	NA	NA	NA	NA	NA	NA	0.16	<0.12
Acetylene	µg/L	--	--	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23U	<0.23 UMY	NA	NA
Ethane	µg/L	--	--	<0.60 U	<0.60 U	<0.9 U	<0.40 U	<0.40 U	<0.40 U	<0.40U	<0.80 UMY	<0.38	<0.38
Ethene	µg/L	--	--	<0.90 U	<0.90 U	<1.2 U	<0.50 U	<0.50 U	<0.50 U	<0.50U	<1.2 UMY	<0.59	<0.59
Methane	µg/L	--	--	6.1	7.	7.9	12.	8.8	3.1	0.44J	2.1 MY	1.7	1.6
Sulfate(as SO4)	mg/L	250.	125.	48.	57.	45.	100.	96.	87 M	55.	93.	76.	68.
Total Organic Carbon	mg/L	--	--	1.2 J	1.5	0.84 J	2.3	2.3	3.6	1.1J	2.5	1.4	1.4
VOCs													
1,1,1,2-Tetrachloroethane	µg/L	70.	7.	<0.030 U	<0.030 U	<0.05 U	<0.25 U	<0.040 U	<0.10 U	<0.10 U	<0.040 U	<0.013	<0.013
1,1,1-Trichloroethane	µg/L	200.	40.	<0.030 U	<0.030 U	<0.06 U	<0.30 U	<0.050 U	<0.13 U	<0.050 U	<0.050 U	<0.013	<0.013
1,1,2,2-Tetrachloroethane	µg/L	0.2	0.02	<0.020 U	<0.020 U	<0.02 U	<0.10 U	<0.017 U	<0.043 U	<0.017 U	<0.017 U	<0.015	<0.015
1,1,2-Trichloroethane	µg/L	5.	0.5	<0.070 U	<0.070 U	<0.05 U	<0.25 U	<0.050 U	<0.13 U	<0.050 U	<0.050 U	<0.036	<0.036
1,1-Dichloroethane	µg/L	850.	85.	<0.024 U	<0.024 U	<0.06 U	<0.30 U	<0.060 U	<0.15 U	<0.060 U	<0.060 U	<0.017	<0.017
1,1-Dichloroethene	µg/L	7.	0.7	0.052 J	0.058 J	<0.07 U	<0.35 U	0.09 J	<0.15 U	<0.060 U	0.083 J	0.08	0.086
1,1-Dichloropropene	µg/L	--	--	<0.080 U	<0.080 U	<0.06 U	<0.30 U	<0.060 U	<0.15 U	<0.060 U	<0.060 U	<0.074	<0.074
1,2,3-Trichlorobenzene	µg/L	--	--	<0.040 U	<0.040 U	<0.05 U	<0.25 U	<0.040 U	<0.10 U	<0.040 U	<0.040 U	<0.019	<0.019
1,2,3-Trichloropropane	µg/L	60.	12.	<0.080 U	<0.080 U	<0.04 U	<0.20 U	<0.040 U	<0.10 U	<0.040 U	<0.040 U	<0.031	<0.031
1,2,4-Trichlorobenzene	µg/L	70.	14.	<0.029 U	<0.029 U	<0.04 U	<0.20 U	<0.040 U	<0.10 U	<0.040 U	<0.040 U	<0.022	<0.022
1,2,4-Trimethylbenzene	µg/L	480.	96.	<0.024 U	<0.024 U	<0.05 U	<0.25 U	<0.040 U	<0.10 U	<0.040 U	<0.040 U	<0.011	<0.011
1,2-Dibromo-3-chloropropane	µg/L	0.2	0.02	<0.050 U	<0.050 U	<0.03 U	<0.15 U	<0.090 U	<0.23 U	<0.090 U	<0.090 U	<0.12	<0.12
1,2-Dibromoethane	µg/L	0.05	0.005	<0.040 U	<0.040 U	<0.04 U	<0.20 U	<0.070 U	<0.18 U	<0.070 U	<0.070 U	<0.029	<0.029
1,2-Dichlorobenzene	µg/L	600.	60.	<0.025 U	<0.025 U	<0.06 U	<0.30 U	<0.040 U	<0.10 U	<0.040 U	<0.040 U	<0.016	<0.016
1,2-Dichloroethane	µg/L	5.	0.5	0.075 J	0.067 J	0.074 J	0.28 J	0.26	0.3 J	0.13J	0.21	0.15	0.17
1,2-Dichloropropane	µg/L	5.	0.5	<0.030 U	<0.030 U	<0.06 U	<0.30 U	<0.070 U	<0.18 U	<0.070 U	<0.070 U	<0.013	<0.013
1,3,5-Trimethylbenzene	µg/L	480.	96.	<0.022 U	<0.022 U	<0.06 U	<0.30 U	<0.050 U	<0.13 U	<0.050 U	<0.050 U	<0.013	<0.013
1,3-Dichlorobenzene	µg/L	600.	120.	0.15	0.033 J	<0.06 U	<0.30 U	<0.040 U	<0.10 U	<0.040 U	<0.040 U	<0.013	0.048
1,3-Dichloropropane	µg/L	--	--	<0.040 U	<0.040 U	<0.04 U	<0.20 U	<0.040 U	<0.10 U	<0.040 U	<0.040 U	<0.020	<0.020
1,4-Dichlorobenzene	µg/L	75.	15.	<0.026 U	<0.026 U	<0.05 U	<0.25 U	<0.040 U	<0.10 U	<0.040 U	<0.040 U	<0.017	<0.017
1,4-Dioxane	µg/L	3.	0.3	NA	NA	NA	NA	<7.0 U	<18 U	<7.0 U	<7.0 U	<7.0	<7.0
2,2-Dichloropropane	µg/L	--	--	<0.022 U	<0.022 U	<0.04 U	<0.20 U	<0.050 U	<0.13 U	<0.050 U	<0.050 U	<0.075	<0.075
2-Butanone (MEK)	µg/L	4000.	800.	<0.80 U	<0.80 U	<0.8 U	<4.0 U	<0.50 U	<1.3 U	3.	<0.50 U	<0.31	<0.31
2-Chlorotoluene	µg/L	--	--	<0.025 U	<0.025 U	<0.06 U	<0.30 U	<0.030 U	<0.075 U	<0.030 U	<0.030 U	<0.020	<0.020
2-Hexanone	µg/L	--	--	<0.40 U	<0.40 U	<0.4 U	<2.0 U	<0.24 U	<0.60 U	<0.24 U	<0.24 U	<0.020	<0.15
4-Chlorotoluene	µg/L	--	--	<0.029 U	<0.029 U	<0.05 U	<0.25 U	<0.040 U	<0.10 U	<0.040 U	<0.040 U	<0.013	<0.013
4-Methyl-2-pentanone (MIBK)	µg/L	500.	50.	<0.26 U	<0.26 U	<0.4 U	<2.0 U	<0.24 U	<0.60 U	<0.24 U	<0.24 U	<0.19	<0.19
Acetone	µg/L	9000.	1800.	<1.3 UZ	<1.3 U	<0.9 U	110 B	<0.30 U	2 JB	0.39 JB	0.42 JB	<0.84	<0.84
Benzene	µg/L	5.	0.5	<0.019 U	<0.019 U	<0.06 U	<0.30 U	<0.018 U	<0.045 U	<0.018 U	<0.018 U	<0.022	<0.022
Bromobenzene	µg/L	--	--	<0.030 U	<0.030 U	<0.04 U	<0.20 U	<0.040 U	<0.10 U	<0.040 U	<0.040 U	<0.018	<0.018
Bromochloromethane	µg/L	--	--	<0.090 U	<0.090 U	<0.017 U	<0.085 U	<0.030 U	<0.075 U	<0.030 U	<0.030 U	<0.034	<0.034

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

		Date Sampled:		12/9/14	5/7/15	11/06/2015	5/18/16	11/3/16	5/11/17	11/30/17	11/16/18	12/2/21	11/16/22
	Units	NR140 ES	NR140 PAL	MW-102D	MW-102D	MW-102D	MW-102D	MW-102D	MW-102D	MW-102D	MW-102D	MW-102D	MW-102D
Bromodichloromethane	µg/L	0.6	0.06	<0.018 U	<0.018 U	<0.017 U	<0.085 U	<0.016 U	<0.040 U	<0.016 U	<0.016 U	<0.019	<0.019
Bromoform	µg/L	4.4	0.44	<0.060 U	<0.060 U	<0.018 U	<0.090 U	<0.040 U	<0.10 U	<0.040 U	<0.040 U	<0.041	<0.041
Bromomethane	µg/L	10.	1.	<0.070 U	<0.070 UQ,Z	<0.09 U	<0.45 U	<0.080 U	<0.20 U	<0.080 UZ	<0.080 UY	<0.052	<0.052
Carbon disulfide	µg/L	1000.	200.	<0.080 U	<0.080 U	<0.11 U	<0.55 U	<0.070 U	<0.18 U	<0.070 U	<0.070 U	<0.11	<0.11
Carbon tetrachloride	µg/L	5.	0.05	<0.029 U	<0.029 U	<0.06 U	<0.30 U	<0.050 U	<0.13 U	<0.050 U	<0.050 U	<0.018	<0.018
Chlorobenzene	µg/L	--	--	<0.024 U	<0.024 U	<0.04 U	<0.20 U	<0.040 U	<0.10 U	<0.040 U	<0.040 U	<0.013	<0.013
Chloroethane	µg/L	400.	80.	<0.040 U	<0.040 U	<0.06 U	<0.30 U	<0.070 U	<0.18 U	<0.070 U	<0.070 U	<0.40	<0.40
Chloroform	µg/L	6.	0.6	<0.030 U	<0.030 U	<0.06 U	<0.30 U	<0.030 U	<0.075 U	<0.030 U	<0.030 U	<0.016	<0.016
Chloromethane	µg/L	30.	3.	0.055 JB	<0.040 U	<0.05 U	<0.25 U	<0.040 U	0.1 J	<0.040 U	0.1 J	<0.045	0.15
cis-1,2-Dichloroethene	µg/L	70.	7.	10.	7.8	9.3	28.	32.	38.	18.	30.	35.	45.
cis-1,3-Dichloropropene	µg/L	0.4	0.04	<0.020 U	<0.020 U	<0.015 U	<0.075 U	<0.011 U	<0.028 U	<0.011U	<0.011 U	<0.014	<0.014
Dibromochloromethane	µg/L	60.	6.	<0.040 U	<0.040 U	<0.016 U	<0.080 U	<0.030 U	<0.075 U	<0.030 U	<0.030 U	<0.016	<0.016
Dibromomethane	µg/L	--	--	<0.040 U	<0.040 U	<0.06 U	<0.30 U	<0.050 U	<0.13 U	<0.050 U	<0.050 U	<0.018	<0.018
Dichlorodifluoromethane	µg/L	1000.	200.	<0.11 U	<0.11 U	<0.06 U	<0.30 U	<0.060 U	<0.15 U	<0.060 U	<0.060 U	<0.091	<0.091
Diisopropyl ether	µg/L	--	--	<0.021 U	<0.021 U	<0.04 U	<0.20 U	<0.040 U	<0.10 U	<0.040 U	<0.040 U	0.027	0.025
Ethylbenzene	µg/L	700.	140.	<0.019 U	<0.019 U	<0.06 U	<0.30 U	<0.040 U	<0.10 U	<0.040 U	<0.040 U	<0.014	<0.014
Hexachlorobutadiene	µg/L	--	--	<0.070 U	<0.070 U	<0.07 U	<0.35 U	<0.050 U	<0.13 U	<0.050 U	<0.050 U	<0.027	<0.027
Isopropylbenzene	µg/L	--	--	<0.060 U	<0.060 U	<0.05 U	<0.25 U	<0.040 U	<0.10 U	<0.040 U	<0.040 U	<0.014	<0.020
m & p-Xylene	µg/L	2000.	400.	<0.050 U	<0.050 U	<0.12 U	<0.60 U	<0.070 U	<0.18 U	<0.070 U	<0.070 U	<0.022	<0.030
Methyl tert-butyl ether	µg/L	60.	12.	0.35	0.38	0.35	0.98	1.	1.	0.51	0.72	0.87	0.62
Methylene chloride	µg/L	5.	0.5	<0.15 U	<0.15 U	<0.06 U	<0.30 U	<0.050 U	2.7	<0.050 U	0.050 UZYQ	<0.090	<0.090
Naphthalene	µg/L	100.	10.	<0.040 U	<0.040 U	<0.05 U	<0.25 U	<0.030 U	<0.075 U	<0.030 U	<0.030 U	<0.025	<0.025
n-Butylbenzene	µg/L	--	--	<0.021 U	<0.021 U	<0.05 U	<0.25 U	<0.030 U	<0.075 U	<0.030 U	<0.030 U	<0.021	<0.021
n-Propylbenzene	µg/L	--	--	<0.022 U	<0.022 U	<0.05 U	<0.25 U	<0.040 U	<0.10 U	<0.040 U	<0.040 U	<0.013	<0.020
o-Xylene	µg/L	2000.	400.	<0.027 U	<0.027 U	<0.05 U	<0.25 U	<0.040 U	<0.10 U	<0.040 U	<0.040 U	<0.016	<0.016
p-Isopropyltoluene	µg/L	--	--	<0.030 U	<0.030 U	<0.06 U	<0.30 U	<0.040 U	<0.10 U	<0.040 U	<0.040 U	<0.016	<0.016
sec-Butylbenzene	µg/L	--	--	<0.024 U	<0.024 U	<0.05 U	<0.25 U	<0.050 U	<0.13 U	<0.050 U	<0.050 U	<0.012	<0.021
Styrene	µg/L	100.	10.	<0.020 U	<0.020 U	<0.05 U	<0.25 U	<0.030 U	<0.075 U	<0.030 U	<0.030 U	<0.014	<0.014
tert-Butylbenzene	µg/L	--	--	<0.025 U	<0.025 U	<0.06 U	<0.30 U	<0.040 U	<0.10 U	<0.040 U	<0.040 U	<0.013	<0.020
Tetrachloroethene	µg/L	5.	0.05	<0.030 U	<0.030 U	<0.06 U	<0.30 U	<0.050 U	<0.13 U	<0.050 U	<0.050 U	<0.028	<0.028
Tetrahydrofuran	µg/L	50.	10.	<0.70 U	<0.70 U	<0.6 U	<3.0 U	<0.40 U	<1.0 U	<0.40 U	<0.40 U	<0.38	<0.38
Toluene	µg/L	800.	160.	<0.027 U	<0.027 U	<0.06 U	<0.30 U	<0.040 U	<0.10 U	<0.040 U	<0.040 U	<0.014	<0.020
trans-1,2-Dichloroethene	µg/L	100.	20.	0.28	0.22	0.25	0.72 J	1.1	1.1	0.52	0.84	0.43	0.62
trans-1,3-Dichloropropene	µg/L	0.4	0.04	<0.018 U	<0.018 U	<0.014 U	<0.070 U	<0.019 U	<0.048 U	<0.019 U	<0.019 U	<0.020	<0.020
Trichloroethene	µg/L	5.	0.5	0.37	0.26	0.36	0.24 J	0.17	0.16 J	0.21	0.23	0.079	0.042
Trichlorofluoromethane	µg/L	--	--	<0.024 U	<0.024 U	<0.05 U	<0.25 U	<0.090 U	<0.23 U	<0.090 U	<0.090 U	<0.033	<0.033
Vinyl acetate	µg/L	--	--	<0.60 U	<0.60 U	<0.5 U	<2.5 U	<0.22 U	<0.55 U	2.5	<0.22 U	<0.14	<0.14
Vinyl chloride	µg/L	0.2	0.02	0.15	0.23	0.21	0.32	0.23	0.25	0.25	0.25	1.1	1.0

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

		Date Sampled:		12/8/14	5/5/15	11/04/2015	5/18/16	11/2/16	5/9/17	11/28/17	11/8/18	12/1/21	11/15/22
	Units	NR140 ES	NR140 PAL	MW-103S	MW-103S	MW-103S	MW-103S	MW-103S	MW-103S	MW-103S	MW-103S	MW-103S	MW-103S
Field Parameters													
Dissolved Oxygen (DO)	mg/L	--	--	0.76	0.00	0.65	5.74	0.92	2.10	0.00	0.76	1.41	1.96
Oxidation Reduction Potential	millivolts	--	--	116	90	134	213	165	132	-27	47	48.2	112.6
pH	pH-units	--	--	7.05	7.07	7.04	6.65	6.78	7.22	7.13	6.84	7.57	7.31
Specific Conductivity	umhos/cm	--	--	736	1040	896	841	883	1080	782	778	1017.3	1017.3
Temperature	deg-C	--	--	8.99	8.07	18.20	10.40	8.03	8.30	17.34	11.47	11.82	11.10
Turbidity	ntu	--	--	2.4	4.6	0.	0.	0.	0.	0.	0.	169.81	6.87
Natural Attenuation Parameters													
Alkalinity, total (as $CaCO_3$)	mg/L	--	--	510.	450.	550.	490.	450.	520.	590.	500.	540.	540.
Chloride (as Cl)	mg/L	250.	125.	71.	47.	89.	57.	68.	31.	97.	23.	68.	32.
Iron, total (unfiltered)	mg/L	--	--	0.0347 J	0.0645 J	0.0491 J	0.0206 J	0.04 J	0.0721 J	0.0547 J	<0.034 U	0.0649	0.0676
Iron, dissolved (filtered)	mg/L	0.3	0.15	0.0224 J	<0.010 U	0.0222 J	0.0339	<0.059 U	<0.059 U	<0.059 U	<0.059 U	0.0303	0.0293
Manganese, total (unfiltered)	µg/L	--	--	394.	414.	449.	394.	274.	423.	984.	408.	387.	439.
Manganese, dissolved (filtered)	µg/L	50.	25.	182.	366.	311.	348.	319.	547 M	309.	377.	233.	318.
Nitrate Nitrogen, total	mg/L	10.	2.	NA	NA	NA	NA	NA	NA	NA	NA	<0.12	0.35
Acetylene	µg/L	--	--	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 UM	<0.23 U	<0.23 U	NA	NA
Ethane	µg/L	--	--	<0.60 U	<0.60 U	<0.9 U	<0.40 U	<0.40 U	<0.40 UM	<0.40 U	<0.80 U	<0.38	<0.38
Ethene	µg/L	--	--	<0.90 U	<0.90 U	<1.2 U	<0.50 U	<0.50 U	<0.50 UM	<0.50 U	<1.2 U	<0.59	<0.59
Methane	µg/L	--	--	3.	6.2	11.	88.	7.7	5.2	78.	1.2	58.	58.
Sulfate(as SO4)	mg/L	250.	125.	52.	46.	88.	69.	35.	67 M	100.	22.	60.	68.
Total Organic Carbon	mg/L	--	--	6.8	5.7	6.9	6.9	6.	8.5	5.3	6.3	6.2	7.
VOCs													
1,1,1,2-Tetrachloroethane	µg/L	70.	7.	<0.30 U	<0.30 U	<0.5 U	<0.50 U	<0.40 U	<0.80 U	<0.80 U	<0.20 U	<0.013	<0.013
1,1,1-Trichloroethane	µg/L	200.	40.	32.	21.	39.	30.	37.	58.	53.	23.	20.	16.
1,1,2,2-Tetrachloroethane	µg/L	0.2	0.02	<0.20 U	<0.20 U	<0.2 U	<0.20 U	<0.17 U	<0.34 U	<0.34 U	<0.085 U	<0.015	<0.015
1,1,2-Trichloroethane	µg/L	5.	0.5	<0.70 U	<0.70 U	<0.5 U	<0.50 U	<0.50 U	<1.0 U	<1.0 U	<0.25 U	<0.036	<0.036
1,1-Dichloroethane	µg/L	850.	85.	7.3	4.8	12.	7.6	5.1	11.	11.	3.	6.0	6.8
1,1-Dichloroethene	µg/L	7.	0.7	2.3	1.8	5.1	4.	2.	6.4	4.4	1.4	0.83	1.2
1,1-Dichloropropene	µg/L	--	--	<0.80 U	<0.80 U	<0.6 U	<0.60 U	<0.60 U	<1.2 U	<1.2 U	<0.30 U	<0.074	<0.074
1,2,3-Trichlorobenzene	µg/L	--	--	<0.40 U	<0.40 U	<0.5 U	<0.50 U	<0.40 U	<0.80 U	<0.80 U	<0.20 U	<0.019	<0.019
1,2,3-Trichloropropane	µg/L	60.	12.	<0.80 U	<0.80 U	<0.4 U	<0.40 U	<0.40 U	<0.80 U	<0.80 U	<0.20 U	<0.031	<0.031
1,2,4-Trichlorobenzene	µg/L	70.	14.	<0.29 U	<0.29 U	<0.4 U	<0.40 U	<0.40 U	<0.80 U	<0.80 U	<0.20 U	<0.022	<0.022
1,2,4-Trimethylbenzene	µg/L	480.	96.	<0.24 U	<0.24 U	<0.5 U	<0.50 U	<0.40 U	<0.80 U	<0.80 U	<0.20 U	<0.011	<0.011
1,2-Dibromo-3-chloropropane	µg/L	0.2	0.02	<0.50 U	<0.50 U	<0.3 U	<0.30 U	<0.90 U	<1.8 U	<1.8 U	<0.45 U	<0.12	<0.12
1,2-Dibromoethane	µg/L	0.05	0.005	<0.40 U	<0.40 U	<0.4 U	<0.40 U	<0.70 U	<1.4 U	<1.4 U	<0.35 U	<0.029	<0.029
1,2-Dichlorobenzene	µg/L	600.	60.	<0.25 U	<0.25 U	<0.6 U	<0.60 U	<0.40 U	<0.80 U	<0.80 U	<0.20 U	<0.016	<0.016
1,2-Dichloroethane	µg/L	5.	0.5	0.33 J	0.75 J	1.2 J	1.2 J	<0.50 U	<1.0 U	<1.0 U	<0.25 U	<0.017	<0.017
1,2-Dichloropropane	µg/L	5.	0.5	<0.30 U	<0.30 U	<0.6 U	<0.60 U	<0.70 U	<1.4 U	<1.4 U	<0.35 U	<0.013	<0.013
1,3,5-Trimethylbenzene	µg/L	480.	96.	<0.22 U	<0.22 U	<0.6 U	<0.60 U	<0.50 U	<1.0 U	<1.0 U	<0.25 U	<0.013	<0.013
1,3-Dichlorobenzene	µg/L	600.	120.	<0.21 U	<0.21 U	<0.6 U	<0.60 U	<0.40 U	<0.80 U	<0.80 U	<0.20 U	<0.013	<0.013
1,3-Dichloropropane	µg/L	--	--	<0.40 U	<0.40 U	<0.4 U	<0.40 U	<0.40 U	<0.80 U	<0.80 U	<0.20 U	<0.020	<0.020
1,4-Dichlorobenzene	µg/L	75.	15.	<0.26 U	<0.26 U	<0.5 U	<0.50 U	<0.40 U	<0.80 U	<0.80 U	<0.20 U	<0.017	<0.017
1,4-Dioxane	µg/L	3.	0.3	NA	NA	NA	NA	<70 U	<140 U	<140 U	<35 U	12.	16.
2,2-Dichloropropane	µg/L	--	--	<0.22 U	<0.22 U	<0.4 U	<0.40 U	<0.50 U	<1.0 U	<1.0 U	<0.25 U	<0.075	<0.075
2-Butanone (MEK)	µg/L	4000.	800.	<8.0 U	<8.0 U	<8 U	<8.0 U	<5.0 U	<10 U	<10 U	<2.5 U	<0.31	<0.31
2-Chlorotoluene	µg/L	--	--	<0.25 U	<0.25 U	<0.6 U	<0.60 U	<0.30 U	<0.60 U	<0.60 U	<0.15 U	<0.020	<0.020
2-Hexanone	µg/L	--	--	<4.0 U	<4.0 U	<4 U	<4.0 U	<2.4 U	<4.8 U	<4.8 U	<1.2 U	<0.15	<0.15
4-Chlorotoluene	µg/L	--	--	<0.29 U	<0.29 U	<0.5 U	<0.50 U	<0.40 U	<0.80 U	<0.80 U	<0.20 U	<0.013	<0.013
4-Methyl-2-pentanone (MIBK)	µg/L	500.	50.	<2.6 U	<2.6 U	<4 U	<4.0 U	<2.4 U	<4.8 U	<4.8 U	<1.2 U	<0.19	<0.19
Acetone	µg/L	9000.	1800.	<13 UZ	<13 UZ	<9 U	250 B	<3.0 U	19 JB	25 B	1.9 JB	<0.84	<0.84
Benzene	µg/L	5.	0.5	0.59 J	0.43 J	<0.6 U	<0.60 U	0.31 J	0.55 J	<0.36 U	0.35	0.25	0.12
Bromobenzene	µg/L	--	--	<0.30 U	<0.30 U	<0.4 U	<0.40 U	<0.40 U	<0.80 U	<0.80 U	<0.20 U	<0.018	<0.018
Bromochloromethane	µg/L	--	--	<0.90 U	<0.90 U	<0.17 U	<0.17 U	<0.30 U	<0.60 U	<0.60 UQ	<0.15 U	<0.034	<0.034

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

		Date Sampled:		12/8/14	5/5/15	11/04/2015	5/18/16	11/2/16	5/9/17	11/28/17	11/8/18	12/1/21	11/15/22
	Units	NR140 ES	NR140 PAL	MW-103S	MW-103S	MW-103S	MW-103S	MW-103S	MW-103S	MW-103S	MW-103S	MW-103S	MW-103S
Bromodichloromethane	µg/L	0.6	0.06	<0.18 U	<0.18 U	<0.17 U	<0.17 U	<0.16 U	<0.32 U	<0.32 U	<0.080 U	<0.019	<0.019
Bromoform	µg/L	4.4	0.44	<0.60 U	<0.60 U	<0.18 U	<0.18 U	<0.40 UZ	<0.80 U	<0.80 U	<0.20 U	<0.041	<0.041
Bromomethane	µg/L	10.	1.	<0.70 U	<0.70 U	<0.9 U	<0.90 U	<0.80 U	<1.6 UZ	<1.6 UZ	<0.40 U	<0.052	<0.052
Carbon disulfide	µg/L	1000.	200.	<0.80 U	<0.80 U	<1.1 U	<1.1 U	<0.70 U	<1.4 U	<1.4 U	<0.35 U	<0.11	<0.11
Carbon tetrachloride	µg/L	5.	0.05	<0.29 U	<0.29 U	<0.6 U	<0.60 U	<0.50 U	<1.0 U	<1.0 U	<0.25 U	<0.018	<0.018
Chlorobenzene	µg/L	--	--	1.3	0.76 J	2.1	0.86 J	1.4 J	<0.80 U	1.2 J	0.55 J	0.74	0.33
Chloroethane	µg/L	400.	80.	<0.40 U	<0.40 U	0.72 J	1.3 J	<0.70 U	<1.4 U	<1.4 U	<0.35 U	<0.40	<0.40
Chloroform	µg/L	6.	0.6	<0.30 U	<0.30 U	<0.6 U	<0.60 U	<0.30 U	<0.60 U	<0.60 U	<0.15 U	0.022	0.023
Chloromethane	µg/L	30.	3.	<0.40 U	<0.40 U	<0.5 U	<0.50 U	<0.40 U	<0.80 U	<0.80 U	<0.20 U	<0.045	<0.045
cis-1,2-Dichloroethene	µg/L	70.	7.	27.	19.	54.	33.	13.	24.	14.	3.9	11.	10.
cis-1,3-Dichloropropene	µg/L	0.4	0.04	<0.20 U	<0.20 U	<0.15 U	<0.15 U	<0.11 U	<0.22 U	<0.22 U	<0.055 U	<0.014	<0.014
Dibromochloromethane	µg/L	60.	6.	<0.40 U	<0.40 U	<0.16 U	<0.16 U	<0.30 U	<0.60 U	<0.60 U	<0.15 U	<0.016	<0.016
Dibromomethane	µg/L	--	--	<0.40 U	<0.40 U	<0.6 U	<0.60 U	<0.50 U	<1.0 U	<1.0 U	<0.25 U	<0.018	<0.018
Dichlorodifluoromethane	µg/L	1000.	200.	<1.1 U	<1.1 U	<0.6 U	<0.60 U	<0.60 U	<1.2 U	<1.2 U	<0.30 U	<0.091	<0.091
Diisopropyl ether	µg/L	--	--	<0.21 U	<0.21 U	<0.4 U	<0.40 U	<0.40 U	<0.80 U	<0.80 U	<0.20 U	<0.02	<0.02
Ethylbenzene	µg/L	700.	140.	<0.19 U	<0.19 U	<0.6 U	<0.60 U	<0.40 U	<0.80 U	<0.80 U	<0.20 U	<0.014	<0.014
Hexachlorobutadiene	µg/L	--	--	<0.70 U	<0.70 U	<0.7 U	<0.70 U	<0.50 U	<1.0 U	<1.0 U	<0.25 U	<0.027	<0.027
Isopropylbenzene	µg/L	--	--	<0.60 U	<0.60 U	<0.5 U	<0.50 U	<0.40 U	<0.80 U	<0.80 U	<0.20 U	<0.014	<0.020
m & p-Xylene	µg/L	2000.	400.	<0.50 U	<0.50 U	<1.2 U	<1.2 U	<0.70 U	<1.4 U	<1.4 U	<0.35 U	<0.022	<0.030
Methyl tert-butyl ether	µg/L	60.	12.	<0.40 U	<0.40 U	<0.4 U	<0.40 U	<0.40 U	<0.80 U	<0.80 U	<0.20 U	<0.014	<0.014
Methylene chloride	µg/L	5.	0.5	<1.5 U	<1.5 U	<0.6 U	<0.60 U	<0.50 U	6 B	<1.0 U	<0.25 UZ	<0.090	<0.090
Naphthalene	µg/L	100.	10.	<0.40 U	<0.40 U	<0.5 U	<0.50 U	<0.30 U	<0.60 U	<0.60 U	<0.15 U	<0.025	<0.025
n-Butylbenzene	µg/L	--	--	<0.21 U	<0.21 U	<0.5 U	<0.50 U	<0.30 U	<0.60 U	<0.60 U	<0.15 U	<0.021	<0.021
n-Propylbenzene	µg/L	--	--	<0.22 U	<0.22 U	<0.5 U	<0.50 U	<0.40 U	<0.80 U	<0.80 U	<0.20 U	<0.013	<0.020
o-Xylene	µg/L	2000.	400.	<0.27 U	<0.27 U	<0.5 U	<0.50 U	<0.40 U	<0.80 U	<0.80 U	<0.20 U	<0.016	<0.016
p-Isopropyltoluene	µg/L	--	--	<0.30 U	<0.30 U	<0.6 U	<0.60 U	<0.40 U	<0.80 U	<0.80 U	<0.20 U	<0.016	<0.016
sec-Butylbenzene	µg/L	--	--	<0.24 U	<0.24 U	<0.5 U	<0.50 U	<0.50 U	<1.0 U	<1.0 U	<0.25 U	<0.012	<0.021
Styrene	µg/L	100.	10.	<0.20 U	<0.20 U	<0.5 U	<0.50 U	<0.30 U	<0.60 U	<0.60 U	<0.15 U	<0.014	<0.014
tert-Butylbenzene	µg/L	--	--	<0.25 U	<0.25 U	<0.6 U	<0.60 U	<0.40 U	<0.80 U	<0.80 U	<0.20 U	<0.013	<0.020
Tetrachloroethene	µg/L	5.	0.05	3.8	8.3	11.	9.6	17.	25.	24.	14.	9.4	9.2
Tetrahydrofuran	µg/L	50.	10.	<7.0 U	<7.0 U	<6 U	<6.0 U	4.4 JB	13 JB	<8.0 U	<2.0 U	<0.38	<0.38
Toluene	µg/L	800.	160.	<0.27 U	<0.27 U	<0.6 U	<0.60 U	<0.40 U	<0.80 U	<0.80 U	<0.20 U	<0.014	<0.020
trans-1,2-Dichloroethene	µg/L	100.	20.	1.1 J	0.74 J	2.	0.90 J	0.55 J	1.1 J	0.87 J	<0.20 U	0.15	0.16
trans-1,3-Dichloropropene	µg/L	0.4	0.04	<0.18 U	<0.18 U	<0.14 U	<0.14 U	<0.19 U	<0.38 U	<0.38 U	<0.095 U	<0.020	<0.020
Trichloroethene	µg/L	5.	0.5	100.	73.	130.	57.	110.	170.	120.	26.	32.	20.
Trichlorofluoromethane	µg/L	--	--	<0.24 U	<0.24 U	<0.5 U	<0.50 U	<0.90 U	<1.8 U	<1.8 U	<0.45 U	0.052	0.047
Vinyl acetate	µg/L	--	--	<6.0 U	<6.0 U	<5 U	<5.0 U	<2.2 U	<4.4 U	<4.4 U	<1.1 U	<0.14	<0.14
Vinyl chloride	µg/L	0.2	0.02	0.49 J	0.64	1.5	1.5	0.44 J	0.85 J	0.57 J	<0.095 U	0.16	1.5

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

		Date Sampled:		12/8/14	12/17/14	5/5/15	5/5/15	11/04/2015	11/04/2015	5/18/16	5/18/16	11/2/16
	Units	NR140 ES	NR140 PAL	MW-103D	MW-103D Dup	MW-103D	MW-103D Dup	MW-103D	MW-103D DUP	MW-103D	MW-103D Dup	MW-103D
Field Parameters												
Dissolved Oxygen (DO)	mg/L	--	--	9.07	11.65	0.00	0.00	0.46	0.47	0.02	0.02	0.00
Oxidation Reduction Potential	millivolts	--	--	-6	39	81	81	78	82	218	220	4
pH	pH-units	--	--	6.96	7.75	7.17	7.17	7.11	7.10	6.80	6.80	6.81
Specific Conductivity	umhos/cm	--	--	826	1050	1410	1410	923	923	1110	1110	1290
Temperature	deg-C	--	--	9.17	8.60	9.78	9.78	13.82	13.79	11.46	11.45	6.87
Turbidity	ntu	--	--	3.65	0.	3.2	3.2	0.	0.	0.	0.	0.
Natural Attenuation Parameters												
Alkalinity, total (as $CaCO_3$)	mg/L	--	--	420.	410.	390.	400.	440.	440.	450.	450.	470.
Chloride (as Cl)	mg/L	250.	125.	180 M	140.	170.	170.	150.	150.	180.	180.	160.
Iron, total (unfiltered)	mg/L	--	--	0.12	<0.020 U	0.0253 J	0.128	0.0614 J	0.0473 J	0.0599 J	0.228	0.0831 J
Iron, dissolved (filtered)	mg/L	0.3	0.15	0.0229 J	0.0168 J	<0.010 U	<0.010 U	0.0399	0.0419	<0.010 U	<0.010 U	<0.059 U
Manganese, total (unfiltered)	µg/L	--	--	258.	233.	340.	367.	309.	294.	379.	364.	403.
Manganese, dissolved (filtered)	µg/L	50.	25.	195.	207.	324.	320.	280.	282.	335.	331.	398.
Nitrate Nitrogen, total	mg/L	10.	2.	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetylene	µg/L	--	--	<0.23 U	<0.60 U	<0.60 U	<0.60 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U
Ethane	µg/L	--	--	<0.60 U	<0.23 U	<0.23 U	<0.23 U	<0.9 U	<0.9 U	<0.40 U	<0.40 U	<0.40 U
Ethene	µg/L	--	--	<0.90 U	<0.90 U	<0.90 U	<0.90 U	<1.2 U	<1.2 U	<0.50 U	<0.50 U	<0.50 U
Methane	µg/L	--	--	1.9	2.8	5.1	4.6	4.5	5.2	13.	12.	7.9
Sulfate(as SO4)	mg/L	250.	125.	62.	53.	60.	60.	62.	61.	77.	74.	68.
Total Organic Carbon	mg/L	--	--	7.	21.	5.2	4.9	3.9	4.1	5.6	6.7	5.4
VOCs												
1,1,1,2-Tetrachloroethane	µg/L	70.	7.	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<1 U	<1 U	<1.3 U	<0.50 U	<0.80 U
1,1,1-Trichloroethane	µg/L	200.	40.	55.	55.	49.	47.	46.	43.	44.	34.	36.
1,1,2,2-Tetrachloroethane	µg/L	0.2	0.02	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<0.4 U	<0.4 U	<0.50 U	<0.20 U	<0.34 U
1,1,2-Trichloroethane	µg/L	5.	0.5	<3.5 U	<3.5 U	<3.5 U	<3.5 U	<1 U	<1 U	<1.3 U	<0.50 U	<1.0 U
1,1-Dichloroethane	µg/L	850.	85.	8.3	8.3	7.9	7.8	7.	7.1	7.	5.8	5.8
1,1-Dichloroethene	µg/L	7.	0.7	2.9 J	2.4 J	2 J	2.3 J	2.3 J	2.4 J	2.1 J	1.3 J	1.5 J
1,1-Dichloropropene	µg/L	--	--	<4.0 U	<4.0 U	<4.0 U	<4.0 U	<1.2 U	<1.2 U	<1.5 U	<0.60 U	<1.2 U
1,2,3-Trichlorobenzene	µg/L	--	--	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<1 U	<1 U	<1.3 U	<0.50 U	<0.80 U
1,2,3-Trichloropropane	µg/L	60.	12.	<4.0 U	<4.0 U	<4.0 U	<4.0 U	<0.8 U	<0.8 U	<1.0 U	<0.40 U	<0.80 U
1,2,4-Trichlorobenzene	µg/L	70.	14.	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<0.8 U	<0.8 U	<1.0 U	<0.40 U	<0.80 U
1,2,4-Trimethylbenzene	µg/L	480.	96.	16.	1.6 J	<1.2 U	<1.2 U	<1 U	<1 U	<1.3 U	<0.50 U	<0.80 U
1,2-Dibromo-3-chloropropane	µg/L	0.2	0.02	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<0.6 U	<0.6 U	<0.75 U	<0.30 U	<1.8 U
1,2-Dibromoethane	µg/L	0.05	0.005	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<0.8 U	<0.8 U	<1.0 U	<0.40 U	<1.4 U
1,2-Dichlorobenzene	µg/L	600.	60.	<1.3 U	<1.3 U	<1.3 U	<1.3 U	<1.2 U	<1.2 U	<1.5 U	<0.60 U	<0.80 U
1,2-Dichloroethane	µg/L	5.	0.5	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<0.8 U	<0.8 U	<1.0 U	<0.40 U	<1.0 U
1,2-Dichloropropane	µg/L	5.	0.5	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<1.2 U	<1.2 U	<1.5 U	<0.60 U	<1.4 U
1,3,5-Trimethylbenzene	µg/L	480.	96.	<1.1 U	<1.1 U	<1.1 U	<1.1 U	<1.2 U	<1.2 U	<1.5 U	<0.60 U	<1.0 U
1,3-Dichlorobenzene	µg/L	600.	120.	<1.1 U	<1.1 U	<1.1 U	<1.1 U	<1.2 U	<1.2 U	<1.5 U	<0.60 U	<0.80 U
1,3-Dichloropropane	µg/L	--	--	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<0.8 U	<0.8 U	<1.0 U	<0.40 U	<0.80 U
1,4-Dichlorobenzene	µg/L	75.	15.	<1.3 U	<1.3 U	<1.3 U	<1.3 U	<1 U	<1 U	<1.3 U	<0.50 U	<0.80 U
1,4-Dioxane	µg/L	3.	0.3	NA	NA	NA	NA	NA	NA	NA	NA	<140 U
2,2-Dichloropropane	µg/L	--	--	<1.1 U	<1.1 U	<1.1 U	<1.1 U	<0.8 U	<0.8 U	<1.0 U	<0.40 U	<1.0 U
2-Butanone (MEK)	µg/L	4000.	800.	<40 U	<40 U	<40 U	<40 U	<16 U	<16 U	<20 U	<8.0 U	<10 U
2-Chlorotoluene	µg/L	--	--	<1.3 U	<1.3 U	<1.3 U	<1.3 U	<1.2 U	<1.2 U	<1.5 U	<0.60 U	<0.60 U
2-Hexanone	µg/L	--	--	<20 U	<20 U	<20 U	<20 U	<8 U	<8 U	<10 U	<4.0 U	<4.8 U
4-Chlorotoluene	µg/L	--	--	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<1 U	<1 U	<1.3 U	<0.50 U	<0.80 U
4-Methyl-2-pentanone (MIBK)	µg/L	500.	50.	<13 U	<13 U	<13 U	<13 U	<8 U	<8 U	<10 U	<4.0 U	<4.8 U
Acetone	µg/L	9000.	1800.	<65 UZ	<65 UZ	<65 UZ	<65 UZ	<18 U	<18 U	660 B	230 B	<6.0 U
Benzene	µg/L	5.	0.5	<0.95 U	<0.95 U	<0.95 U	<0.95 U	<1.2 U	<1.2 U	<1.5 U	<0.60 U	<0.36 U
Bromobenzene	µg/L	--	--	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<0.8 U	<0.8 U	<1.0 U	<0.40 U	<0.80 U
Bromochloromethane	µg/L	--	--	<4.5 U	<4.5 U	<4.5 U	<4.5 U	<0.34 U	<0.34 U	<0.43 U	<0.17 U	<0.60 U

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

		Date Sampled:		12/8/14	12/17/14	5/5/15	5/5/15	11/04/2015	11/04/2015	5/18/16	5/18/16	11/2/16
	Units	NR140 ES	NR140 PAL	MW-103D	MW-103D Dup	MW-103D	MW-103D Dup	MW-103D	MW-103D DUP	MW-103D	MW-103D Dup	MW-103D
Bromodichloromethane	µg/L	0.6	0.06	<0.90 U	<0.90 U	<0.90 U	<0.90 U	<0.34 U	<0.34 U	<0.43 U	<0.17 U	<0.32 U
Bromoform	µg/L	4.4	0.44	<3.0 U	<3.0 U	<3.0 U	<3.0 U	<0.36 U	<0.36 U	<0.45 U	<0.18 U	<0.80 UZ
Bromomethane	µg/L	10.	1.	<3.5 U	<3.5 UZ	<3.5 U	<3.5 U	<1.8 U	<1.8 U	<2.3 U	<0.90 U	<1.6 UZ
Carbon disulfide	µg/L	1000.	200.	<4.0 U	<4.0 U	<4.0 U	<4.0 U	<2.2 U	<2.2 U	<2.8 U	<1.1 U	<1.4 U
Carbon tetrachloride	µg/L	5.	0.05	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<1.2 U	<1.2 U	<1.5 U	<0.60 U	<1.0 U
Chlorobenzene	µg/L	--	--	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<0.8 U	<0.8 U	<1.0 U	<0.40 U	<0.80 U
Chloroethane	µg/L	400.	80.	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<1.2 U	<1.2 U	<1.5 U	<0.60 U	<1.4 U
Chloroform	µg/L	6.	0.6	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<1.2 U	<1.2 U	<1.5 U	<0.60 U	<0.60 U
Chloromethane	µg/L	30.	3.	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<1 U	<1 U	<1.3 U	<0.50 U	<0.80 U
cis-1,2-Dichloroethene	µg/L	70.	7.	63.	60.	48.	50.	48.	50.	43.	33.	43.
cis-1,3-Dichloropropene	µg/L	0.4	0.04	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<0.3 U	<0.3 U	<0.38 U	<0.15 U	<0.22 U
Dibromochloromethane	µg/L	60.	6.	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<0.32 U	<0.32 U	<0.40 U	<0.16 U	<0.60 U
Dibromomethane	µg/L	--	--	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<1.2 U	<1.2 U	<1.5 U	<0.60 U	<1.0 U
Dichlorodifluoromethane	µg/L	1000.	200.	<5.5 U	<5.5 U	<5.5 U	<5.5 U	<1.2 U	<1.2 U	<1.5 U	<0.60 U	<1.2 U
Diisopropyl ether	µg/L	--	--	<1.1 U	<1.1 U	<1.1 U	<1.1 U	<0.8 U	<0.8 U	<1.0 U	<0.40 U	<0.80 U
Ethylbenzene	µg/L	700.	140.	<0.95 U	<0.95 U	<0.95 U	<0.95 U	<1.2 U	<1.2 U	<1.5 U	<0.60 U	<0.80 U
Hexachlorobutadiene	µg/L	--	--	<3.5 U	<3.5 U	<3.5 U	<3.5 U	<1.4 U	<1.4 U	<1.8 U	<0.70 U	<1.0 U
Isopropylbenzene	µg/L	--	--	<3.0 U	<3.0 U	<3.0 U	<3.0 U	<1 U	<1 U	<1.3 U	<0.50 U	<0.80 U
m & p-Xylene	µg/L	2000.	400.	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.4 U	<2.4 U	<3.0 U	<1.2 U	<1.4 U
Methyl tert-butyl ether	µg/L	60.	12.	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<0.8 U	<0.8 U	<1.0 U	<0.40 U	<0.80 U
Methylene chloride	µg/L	5.	0.5	<7.5 U	<7.5 U	<7.5 U	<7.5 U	<1.2 U	<1.2 U	<1.5 U	<0.60 U	<1.0 U
Naphthalene	µg/L	100.	10.	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<1 U	<1 U	<1.3 U	<0.50 U	<0.60 U
n-Butylbenzene	µg/L	--	--	<1.1 U	<1.1 U	<1.1 U	<1.1 U	<1 U	<1 U	<1.3 U	<0.50 U	<0.60 U
n-Propylbenzene	µg/L	--	--	<1.1 U	<1.1 U	<1.1 U	<1.1 U	<1 U	<1 U	<1.3 U	<0.50 U	<0.80 U
o-Xylene	µg/L	2000.	400.	<1.4 U	<1.4 U	<1.4 U	<1.4 U	<1 U	<1 U	<1.3 U	<0.50 U	<0.80 U
p-Isopropyltoluene	µg/L	--	--	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<1.2 U	<1.2 U	<1.5 U	<0.60 U	<0.80 U
sec-Butylbenzene	µg/L	--	--	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1 U	<1 U	<1.3 U	<0.50 U	<1.0 U
Styrene	µg/L	100.	10.	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1 U	<1 U	<1.3 U	<0.50 U	<0.60 U
tert-Butylbenzene	µg/L	--	--	<1.3 U	<1.3 U	<1.3 U	<1.3 U	<1.2 U	<1.2 U	<1.5 U	<0.60 U	<0.80 U
Tetrachloroethene	µg/L	5.	0.05	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<1.2 U	<1.2 U	<1.5 U	<0.60 U	<1.0 U
Tetrahydrofuran	µg/L	50.	10.	<35 U	<35 U	<35 U	<35 U	<12 U	<12 U	<15 U	<6.0 U	8.2 JB
Toluene	µg/L	800.	160.	2 J	<1.4 U	<1.4 U	<1.4 U	<1.2 U	<1.2 U	<1.5 U	<0.60 U	<0.80 U
trans-1,2-Dichloroethene	µg/L	100.	20.	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<1.2 U	<1.2 U	<1.5 U	<0.60 U	0.95 J
trans-1,3-Dichloropropene	µg/L	0.4	0.04	<0.90 U	<0.90 U	<0.90 U	<0.90 U	<0.28 U	<0.28 U	<0.35 U	<0.14 U	<0.38 U
Trichloroethene	µg/L	5.	0.5	460.	440.	430.	420.	420.	430.	390.	340.	360.
Trichlorofluoromethane	µg/L	--	--	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1 U	<1 U	<1.3 U	<0.50 U	<1.8 U
Vinyl acetate	µg/L	--	--	<30 U	<30 U	<30 U	<30 U	<10 U	<10 U	<13 U	<5.0 U	<4.4 U
Vinyl chloride	µg/L	0.2	0.02	1.1 J	<0.95 U	1.4 J	1.3 J	0.5 J	0.74 J	<0.40 U	0.50 J	<0.38 U

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

		Date Sampled:		11/2/16	5/9/17	5/9/17	11/28/17	11/9/18	11/9/18	12/1/21	11/15/22
	Units	NR140 ES	NR140 PAL	MW-103D Dup	MW-103D	MW-103D Dup	MW-103D	MW-103D	MW-103D Dup	MW-103D	MW-103D
Field Parameters											
Dissolved Oxygen (DO)	mg/L	--	--	0.00	0.60	0.60	0.00	0.95	1.03	0.86	0.38
Oxidation Reduction Potential	millivolts	--	--	4	137	137	-14	-27	-24	22.3	94.8
pH	pH-units	--	--	6.81	7.24	7.24	6.73	6.95	6.96	7.75	7.59
Specific Conductivity	umhos/cm	--	--	1290	1460	1460	942	1153	1149	1176.8	1055.1
Temperature	deg-C	--	--	6.88	8.96	8.96	17.41	8.40	8.62	11.78	10.93
Turbidity	ntu	--	--	0.	0.	0.	0.	4.3	8.6	196.22	2.49
Natural Attenuation Parameters											
Alkalinity, total (as $CaCO_3$)	mg/L	--	--	460.	450.	440.	430.	430.	430.	320.	350.
Chloride (as Cl)	mg/L	250.	125.	170.	170.	170.	270.	200.	210.	240.	210.
Iron, total (unfiltered)	mg/L	--	--	0.133	0.0699 J	0.0487 J	0.0447 J	0.0468 J	0.0487 J	0.184	0.0881
Iron, dissolved (filtered)	mg/L	0.3	0.15	<0.059 U	<0.059 U	<0.059 U	<0.059 U	<0.059 U	<0.059 U	0.0591	0.0556
Manganese, total (unfiltered)	µg/L	--	--	388.	358.	369.	269.	284.	292.	316.	260.
Manganese, dissolved (filtered)	µg/L	50.	25.	389.	312.	316.	286.	315.	306.	302.	262.
Nitrate Nitrogen, total	mg/L	10.	2.	NA	NA	NA	NA	NA	NA	<0.12	<0.12
Acetylene	µg/L	--	--	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	NA	NA
Ethane	µg/L	--	--	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.80 U	<0.80 U	<0.38	<0.38
Ethene	µg/L	--	--	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<1.2 U	<1.2 U	<0.59	<0.59
Methane	µg/L	--	--	7.8	<0.40 U	0.5 J	3.4	0.61 J	0.69 J	10.	3.6
Sulfate(as SO4)	mg/L	250.	125.	73.	71.	70.	73.	67.	66.	63.	53.
Total Organic Carbon	mg/L	--	--	5.4	5.5	5.4	3.8	4.5	4.5	4.0	5.4
VOCs											
1,1,1,2-Tetrachloroethane	µg/L	70.	7.	<0.80 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<0.13	<0.013
1,1,1-Trichloroethane	µg/L	200.	40.	38.	36.	34.	32.	32.	32.	12.	17.
1,1,2,2-Tetrachloroethane	µg/L	0.2	0.02	<0.34 U	<0.85 U	<0.85 U	<0.85 U	<0.85 U	<0.85 U	<0.15	<0.015
1,1,2-Trichloroethane	µg/L	5.	0.5	<1.0 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<0.36	<0.036
1,1-Dichloroethane	µg/L	850.	85.	5.6	6.7 J	6.9 J	6.2 J	6.8 J	6.8 J	4.8	6.2
1,1-Dichloroethene	µg/L	7.	0.7	1.6 J	<3.0 U	<3.0 U	<3.0 U	<3.0 U	<3.0 U	1.0	1.4
1,1-Dichloropropene	µg/L	--	--	<1.2 U	<3.0 U	<3.0 U	<3.0 U	<3.0 U	<3.0 U	<0.74	<0.074
1,2,3-Trichlorobenzene	µg/L	--	--	<0.80 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<0.19	<0.019
1,2,3-Trichloropropane	µg/L	60.	12.	<0.80 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<0.31	<0.031
1,2,4-Trichlorobenzene	µg/L	70.	14.	<0.80 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<0.22	<0.022
1,2,4-Trimethylbenzene	µg/L	480.	96.	<0.80 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<0.11	<0.011
1,2-Dibromo-3-chloropropane	µg/L	0.2	0.02	<1.8 U	<4.5 U	<4.5 U	<4.5 U	<4.5 U	<4.5 U	<1.2	<0.12
1,2-Dibromoethane	µg/L	0.05	0.005	<1.4 U	<3.5 U	<3.5 U	<3.5 U	<3.5 U	<3.5 U	<0.29	<0.029
1,2-Dichlorobenzene	µg/L	600.	60.	<0.80 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<0.16	<0.016
1,2-Dichloroethane	µg/L	5.	0.5	<1.0 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<0.17	<0.017
1,2-Dichloropropane	µg/L	5.	0.5	<1.4 U	<3.5 U	<3.5 U	<3.5 U	<3.5 U	<3.5 U	<0.13	<0.013
1,3,5-Trimethylbenzene	µg/L	480.	96.	<1.0 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<0.13	<0.013
1,3-Dichlorobenzene	µg/L	600.	120.	<0.80 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<0.13	<0.013
1,3-Dichloropropane	µg/L	--	--	<0.80 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<0.20	<0.020
1,4-Dichlorobenzene	µg/L	75.	15.	<0.80 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<0.17	<0.017
1,4-Dioxane	µg/L	3.	0.3	<140 U	<350 UM,Y	<350 U	<350 U	<350 U	<350 U	<70	<7.0
2,2-Dichloropropane	µg/L	--	--	<1.0 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<0.75	<0.075
2-Butanone (MEK)	µg/L	4000.	800.	<10 U	<25 U	<25 U	<25 U	<25 U	<25 U	<3.1	<0.31
2-Chlorotoluene	µg/L	--	--	<0.60 U	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<0.20	<0.020
2-Hexanone	µg/L	--	--	<4.8 U	<12 U	<12 U	<12 U	<12 U	<12 U	<1.5	<0.15
4-Chlorotoluene	µg/L	--	--	<0.80 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<0.13	<0.013
4-Methyl-2-pentanone (MIBK)	µg/L	500.	50.	<4.8 U	<12 U	<12 U	<12 U	<12 U	<12 U	<1.9	<0.19
Acetone	µg/L	9000.	1800.	<6.0 U	48 JM,Y,B	58 B	21 JB	22 JB	29 JB	14.	<0.84
Benzene	µg/L	5.	0.5	<0.36 U	<0.90 U	<0.90 U	<0.90 U	<0.90 U	<0.90 U	<0.22	0.035
Bromobenzene	µg/L	--	--	<0.80 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<0.18	<0.018
Bromochloromethane	µg/L	--	--	<0.60 U	<1.5 U	<1.5 U	<1.5 UQ	<1.5 U	<1.5 U	<0.34	<0.034

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

		Date Sampled:		11/2/16	5/9/17	5/9/17	11/28/17	11/9/18	11/9/18	12/1/21	11/15/22
	Units	NR140 ES	NR140 PAL	MW-103D Dup	MW-103D	MW-103D Dup	MW-103D	MW-103D	MW-103D Dup	MW-103D	MW-103D
Bromodichloromethane	µg/L	0.6	0.06	<0.32 U	<0.80 U	<0.80 U	<0.80 U	<0.80 U	<0.80 U	<0.19	<0.019
Bromoform	µg/L	4.4	0.44	<0.80 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<0.41	<0.041
Bromomethane	µg/L	10.	1.	<1.6 UZ	<4.0 U	<4.0 U	<4.0 UZ	<4.0 U	<4.0 U	<0.52	<0.052
Carbon disulfide	µg/L	1000.	200.	<1.4 U	<3.5 UM,Y	<3.5 U	<3.5 U	<3.5 U	<3.5 U	<1.1	<0.11
Carbon tetrachloride	µg/L	5.	0.05	<1.0 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<0.18	<0.018
Chlorobenzene	µg/L	--	--	<0.80 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<0.13	<0.013
Chloroethane	µg/L	400.	80.	<1.4 U	<3.5 U	<3.5 U	<3.5 U	<3.5 U	<3.5 U	<4.0	<0.40
Chloroform	µg/L	6.	0.6	<0.60 U	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<0.16	<0.016
Chloromethane	µg/L	30.	3.	<0.80 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<0.45	<0.045
cis-1,2-Dichloroethene	µg/L	70.	7.	43.	49.	47.	52.	64.	63.	95.	92.
cis-1,3-Dichloropropene	µg/L	0.4	0.04	<0.22 U	<0.55 U	<0.55 U	<0.55 U	<0.55 U	<0.55 U	<0.14	<0.014
Dibromochloromethane	µg/L	60.	6.	<0.60 U	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<0.16	<0.016
Dibromomethane	µg/L	--	--	<1.0 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<0.18	<0.018
Dichlorodifluoromethane	µg/L	1000.	200.	<1.2 U	<3.0 U	<3.0 U	<3.0 U	<3.0 U	<3.0 U	<0.91	<0.091
Diisopropyl ether	µg/L	--	--	<0.80 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<0.2	<0.02
Ethylbenzene	µg/L	700.	140.	<0.80 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<0.14	<0.014
Hexachlorobutadiene	µg/L	--	--	<1.0 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<0.27	<0.027
Isopropylbenzene	µg/L	--	--	<0.80 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<0.14	<0.020
m & p-Xylene	µg/L	2000.	400.	<1.4 U	<3.5 U	<3.5 U	<3.5 U	<3.5 U	<3.5 U	<0.22	<0.030
Methyl tert-butyl ether	µg/L	60.	12.	<0.80 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<0.14	<0.014
Methylene chloride	µg/L	5.	0.5	<1.0 U	14 Y	16.	<2.5 U	<2.5 U	<2.5 U	7.0	<0.090
Naphthalene	µg/L	100.	10.	<0.60 U	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<0.25	<0.025
n-Butylbenzene	µg/L	--	--	<0.60 U	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<0.21	<0.021
n-Propylbenzene	µg/L	--	--	<0.80 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<0.13	<0.020
o-Xylene	µg/L	2000.	400.	<0.80 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<0.16	<0.016
p-Isopropyltoluene	µg/L	--	--	<0.80 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<0.16	<0.016
sec-Butylbenzene	µg/L	--	--	<1.0 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<0.12	<0.021
Styrene	µg/L	100.	10.	<0.60 U	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<0.14	<0.014
tert-Butylbenzene	µg/L	--	--	<0.80 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<0.13	<0.020
Tetrachloroethene	µg/L	5.	0.05	<1.0 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<0.28	<0.028
Tetrahydrofuran	µg/L	50.	10.	<8.0 U	<20 U	<20 U	<20 U	<20 U	<20 U	<3.8	<0.38
Toluene	µg/L	800.	160.	<0.80 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<0.14	<0.020
trans-1,2-Dichloroethene	µg/L	100.	20.	<0.80 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	0.73	0.87
trans-1,3-Dichloropropene	µg/L	0.4	0.04	<0.38 U	<0.95 U	<0.95 U	<0.95 U	<0.95 U	<0.95 U	<0.20	<0.020
Trichloroethene	µg/L	5.	0.5	360.	380.	360.	340.	320.	310.	120.	170.
Trichlorofluoromethane	µg/L	--	--	<1.8 U	<4.5 U	<4.5 U	<4.5 U	<4.5 U	<4.5 U	<0.33	<0.033
Vinyl acetate	µg/L	--	--	<4.4 U	<11 U	<11 U	<11 U	<11 U	<11 U	<1.4	<0.14
Vinyl chloride	µg/L	0.2	0.02	<0.38 U	1.5 J	1.2 J	<0.95 U	<0.95 U	<0.95 U	0.27	0.18

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

		Date Sampled:		12/10/14	12/17/14	5/5/15	5/5/15	11/03/2015	11/03/2015	5/11/16	5/11/16	11/1/16
	Units	NR140 ES	NR140 PAL	MW-105S	MW-105S Dup	MW-105S	MW-105S Dup	MW-105S	MW-105S DUP	MW-105S	MW-105S Dup	MW-105S
Field Parameters												
Dissolved Oxygen (DO)	mg/L	--	--	0.68	10.42	0.00	0.00	0.37	0.37	0.00	0.00	0.00
Oxidation Reduction Potential	millivolts	--	--	-27	-46	-55	-55	-48	-47	-17	-17	-67
pH	pH-units	--	--	7.46	7.51	7.20	7.20	7.24	7.24	7.04	7.04	7.03
Specific Conductivity	umhos/cm	--	--	1430	1750	2360	2360	1910	1910	1530	1520	1760
Temperature	deg-C	--	--	7.80	6.52	8.39	8.39	20.20	20.15	12.88	12.86	9.00
Turbidity	ntu	--	--	188.	101.	22.8	22.8	9.3	9.5	13.4	13.9	0.
Natural Attenuation Parameters												
Alkalinity, total (as $CaCO_3$)	mg/L	--	--	390.	390.	380.	380.	400.	410.	410.	410.	420.
Chloride (as Cl)	mg/L	250.	125.	440.	330.	510.	420.	400.	410.	320.	250.	360.
Iron, total (unfiltered)	mg/L	--	--	7.44	3.53	2.41	2.45	2.27	2.27	2.27	2.34	3.41
Iron, dissolved (filtered)	mg/L	0.3	0.15	0.924	0.634	1.71	1.69	1.07	1.06	2.84 M	1.51	1.54
Manganese, total (unfiltered)	µg/L	--	--	205.	217.	218.	212.	254.	257.	174.	169.	221.
Manganese, dissolved (filtered)	µg/L	50.	25.	201.	178.	219.	215.	204.	205.	175.	172.	234.
Nitrate Nitrogen, total	mg/L	10.	2.	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
Ethane	µg/L	--	--	2.6	4.	2.3	2.3	2.4 J	2.5 J	2.3	2.3	0.6 J
Ethene	µg/L	--	--	5.	5.4	1.5 J	1.6 J	<1.2 U	<1.2 U	0.67 J	0.68 J	<0.50 U
Methane	µg/L	--	--	250.	330.	140.	140.	310.	330.	240.	230.	21.
Sulfate(as SO4)	mg/L	250.	125.	69.	57.	56.	55.	56.	56.	56.	57.	48.
Total Organic Carbon	mg/L	--	--	3.3	16.	2.1	2.6	2.4	2.4	3.	3.8	2.8
VOCs												
1,1,1,2-Tetrachloroethane	µg/L	70.	7.	<3.0 U	16 J	<6.0 U	<6.0 U	<2.5 U	<2.5 U	<5.0 U	<5.0 U	<4.0 U
1,1,1-Trichloroethane	µg/L	200.	40.	<3.0 U	<15 U	<6.0 U	<6.0 U	<3 U	<3 U	<6.0 U	<6.0 U	<5.0 U
1,1,2,2-Tetrachloroethane	µg/L	0.2	0.02	<2.0 U	<10 U	<4.0 U	<4.0 U	<1 U	<1 U	<2.0 U	<2.0 U	<1.7 U
1,1,2-Trichloroethane	µg/L	5.	0.5	<7.0 U	<35 U	<14 U	<14 U	<2.5 U	<2.5 U	<5.0 U	<5.0 U	<5.0 U
1,1-Dichloroethane	µg/L	850.	85.	93.	90.	73.	71.	48.	45.	87.	78.	56.
1,1-Dichloroethene	µg/L	7.	0.7	14.	<12 U	11 J	11 J	7.6 J	8.7 J	12 J	13 J	10 J
1,1-Dichloropropene	µg/L	--	--	<8.0 U	<40 U	<16 U	<16 U	<3 U	<3 U	<6.0 U	<6.0 U	<6.0 U
1,2,3-Trichlorobenzene	µg/L	--	--	4.1 J	110.	<8.0 U	<8.0 U	<2.5 U	<2.5 U	<5.0 U	<5.0 U	<4.0 U
1,2,3-Trichloropropane	µg/L	60.	12.	<8.0 U	<40 U	<16 U	<16 U	<2 U	<2 U	<4.0 U	<4.0 U	<4.0 U
1,2,4-Trichlorobenzene	µg/L	70.	14.	<2.9 U	100.	<5.8 U	<5.8 U	<2 U	<2 U	<4.0 U	<4.0 U	<4.0 U
1,2,4-Trimethylbenzene	µg/L	480.	96.	<2.4 U	45.	<4.8 U	<4.8 U	<2.5 U	<2.5 U	<5.0 U	<5.0 U	<4.0 U
1,2-Dibromo-3-chloropropane	µg/L	0.2	0.02	<5.0 U	<25 U	<10 U	<10 U	<1.5 U	<1.5 U	<3.0 U	<3.0 U	<9.0 U
1,2-Dibromoethane	µg/L	0.05	0.005	<4.0 U	<20 U	<8.0 U	<8.0 U	<2 U	<2 U	<4.0 U	<4.0 U	<7.0 U
1,2-Dichlorobenzene	µg/L	600.	60.	<2.5 U	56.	<5.0 U	<5.0 U	<3 U	<3 U	<6.0 U	<6.0 U	<4.0 U
1,2-Dichloroethane	µg/L	5.	0.5	<2.4 U	<12 U	<4.8 U	<4.8 U	<2 U	<2 U	<4.0 U	<4.0 U	<5.0 U
1,2-Dichloropropane	µg/L	5.	0.5	<3.0 U	<15 U	<6.0 U	<6.0 U	<3 U	<3 U	<6.0 U	<6.0 U	<7.0 U
1,3,5-Trimethylbenzene	µg/L	480.	96.	<2.2 U	51.	<4.4 U	<4.4 U	<3 U	<3 U	<6.0 U	<6.0 U	<5.0 U
1,3-Dichlorobenzene	µg/L	600.	120.	<2.1 U	54.	<4.2 U	<4.2 U	<3 U	<3 U	<6.0 U	<6.0 U	<4.0 U
1,3-Dichloropropane	µg/L	--	--	<4.0 U	<20 U	<8.0 U	<8.0 U	<2 U	<2 U	<4.0 U	<4.0 U	<4.0 U
1,4-Dichlorobenzene	µg/L	75.	15.	<2.6 U	<13 U	<5.2 U	<5.2 U	<2.5 U	<2.5 U	<5.0 U	<5.0 U	<4.0 U
1,4-Dioxane	µg/L	3.	0.3	NA	NA	NA	NA	NA	NA	NA	NA	<700 U
2,2-Dichloropropane	µg/L	--	--	<2.2 U	<11 U	<4.4 U	<4.4 U	<2 U	<2 U	<4.0 U	<4.0 U	<5.0 U
2-Butanone (MEK)	µg/L	4000.	800.	<80 U	<400 U	<160 U	<160 U	<40 U	<40 U	<80 U	<80 U	<50 U
2-Chlorotoluene	µg/L	--	--	<2.5 U	45.	<5.0 U	<5.0 U	<3 U	<3 U	<6.0 U	<6.0 U	<3.0 U
2-Hexanone	µg/L	--	--	<40 U	<200 U	<80 U	<80 U	<20 U	<20 U	<40 U	<40 U	<24 U
4-Chlorotoluene	µg/L	--	--	<2.9 U	41 J	<5.8 U	<5.8 U	<2.5 U	<2.5 U	<5.0 U	<5.0 U	<4.0 U
4-Methyl-2-pentanone (MIBK)	µg/L	500.	50.	<26 U	<130 U	<52 U	<52 U	<20 U	<20 U	<40 U	<40 U	<24 U
Acetone	µg/L	9000.	1800.	<130 UZ	<650 UZ	<260 UZ	<260 UZ	<45 U	<45 U	2900 B	3100 B	44 JB
Benzene	µg/L	5.	0.5	<1.9 U	<9.5 U	<3.8 U	<3.8 U	<3 U	<3 U	<6.0 U	<6.0 U	<1.8 U
Bromobenzene	µg/L	--	--	<3.0 U	33 J	<6.0 U	<6.0 U	<2 U	<2 U	<4.0 U	<4.0 U	<4.0 U
Bromochloromethane	µg/L	--	--	<9.0 U	<45 U	<18 U	<18 U	<0.85 U	<0.85 U	<1.7 U	<1.7 U	<3.0 U

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

			Date Sampled:	12/10/14	12/17/14	5/5/15	5/5/15	11/03/2015	11/03/2015	5/11/16	5/11/16	11/1/16
	Units	NR140 ES	NR140 PAL	MW-105S	MW-105S Dup	MW-105S	MW-105S Dup	MW-105S	MW-105S DUP	MW-105S	MW-105S Dup	MW-105S
Bromodichloromethane	µg/L	0.6	0.06	<1.8 U	<9.0 U	<3.6 U	<3.6 U	<0.85 U	<0.85 U	<1.7 U	<1.7 U	<1.6 U
Bromoform	µg/L	4.4	0.44	<6.0 U	<30 U	<12 U	<12 U	<0.9 U	<0.9 U	<1.8 U	<1.8 U	<4.0 U
Bromomethane	µg/L	10.	1.	<7.0 UZ	<35 UZ	<14 U	<14 U	<4.5 U	<4.5 U	<9.0 U	<9.0 U	<8.0 UZ
Carbon disulfide	µg/L	1000.	200.	<8.0 U	<40 U	<16 U	<16 U	<5.5 U	<5.5 U	<11 U	<11 U	<7.0 U
Carbon tetrachloride	µg/L	5.	0.05	<2.9 U	<15 U	<5.8 U	<5.8 U	<3 U	<3 U	<6.0 U	<6.0 U	<5.0 U
Chlorobenzene	µg/L	--	--	6.7 J	25 J	<4.8 U	<4.8 U	3.7 J	3 J	<4.0 U	<4.0 U	<4.0 U
Chloroethane	µg/L	400.	80.	<4.0 U	<20 U	<8.0 U	<8.0 U	<3 U	<3 U	<6.0 U	<6.0 U	<7.0 U
Chloroform	µg/L	6.	0.6	<3.0 U	<15 U	<6.0 U	<6.0 U	<3 U	<3 U	<6.0 U	<6.0 U	<3.0 U
Chloromethane	µg/L	30.	3.	<4.0 U	<20 U	<8.0 U	<8.0 U	<2.5 U	<2.5 U	<5.0 U	<5.0 U	<4.0 U
cis-1,2-Dichloroethene	µg/L	70.	7.	1000.	1000.	960.	950.	710.	680.	980.	920.	990.
cis-1,3-Dichloropropene	µg/L	0.4	0.04	<2.0 U	<10 U	<4.0 U	<4.0 U	<0.75 U	<0.75 U	<1.5 U	<1.5 U	<1.1 U
Dibromochloromethane	µg/L	60.	6.	<4.0 U	<20 U	<8.0 U	<8.0 U	<0.8 U	<0.8 U	<1.6 U	<1.6 U	<3.0 U
Dibromomethane	µg/L	--	--	<4.0 U	<20 U	<8.0 U	<8.0 U	<3 U	<3 U	<6.0 U	<6.0 U	<5.0 U
Dichlorodifluoromethane	µg/L	1000.	200.	<11 U	<55 U	<22 U	<22 U	<3 U	<3 U	<6.0 U	<6.0 U	<6.0 U
Diisopropyl ether	µg/L	--	--	<2.1 U	<11 U	<4.2 U	<4.2 U	<2 U	<2 U	<4.0 U	<4.0 U	<4.0 U
Ethylbenzene	µg/L	700.	140.	<1.9 U	26 J	<3.8 U	<3.8 U	<3 U	<3 U	<6.0 U	<6.0 U	<4.0 U
Hexachlorobutadiene	µg/L	--	--	<7.0 U	71 J	<14 U	<14 U	<3.5 U	<3.5 U	<7.0 U	<7.0 U	<5.0 U
Isopropylbenzene	µg/L	--	--	<6.0 U	41 J	<12 U	<12 U	<2.5 U	<2.5 U	<5.0 U	<5.0 U	<4.0 U
m & p-Xylene	µg/L	2000.	400.	<5.0 U	46 J	<10 U	<10 U	<6 U	<6 U	<12 U	<12 U	<7.0 U
Methyl tert-butyl ether	µg/L	60.	12.	<4.0 U	<20 U	<8.0 U	<8.0 U	<2 U	<2 U	<4.0 U	<4.0 U	<4.0 U
Methylene chloride	µg/L	5.	0.5	<15 U	<75 U	<30 U	<30 U	<3 U	<3 U	170.	140.	<5.0 U
Naphthalene	µg/L	100.	10.	<4.0 U	61 J	<8.0 U	<8.0 U	<2.5 U	<2.5 U	<5.0 U	<5.0 U	<3.0 U
n-Butylbenzene	µg/L	--	--	<2.1 U	92.	<4.2 U	<4.2 U	<2.5 U	<2.5 U	<5.0 U	<5.0 U	<3.0 U
n-Propylbenzene	µg/L	--	--	<2.2 U	53.	<4.4 U	<4.4 U	<2.5 U	<2.5 U	<5.0 U	<5.0 U	<4.0 U
o-Xylene	µg/L	2000.	400.	<2.7 U	21 J	<5.4 U	<5.4 U	<2.5 U	<2.5 U	<5.0 U	<5.0 U	<4.0 U
p-Isopropyltoluene	µg/L	--	--	<3.0 U	64.	<6.0 U	<6.0 U	<3 U	<3 U	<6.0 U	<6.0 U	<4.0 U
sec-Butylbenzene	µg/L	--	--	<2.4 U	71.	<4.8 U	<4.8 U	<2.5 U	<2.5 U	<5.0 U	<5.0 U	<5.0 U
Styrene	µg/L	100.	10.	<2.0 U	17 J	<4.0 U	<4.0 U	<2.5 U	<2.5 U	<5.0 U	<5.0 U	<3.0 U
tert-Butylbenzene	µg/L	--	--	<2.5 U	62.	<5.0 U	<5.0 U	<3 U	<3 U	<6.0 U	<6.0 U	<4.0 U
Tetrachloroethene	µg/L	5.	0.05	<3.0 U	28 J	<6.0 U	<6.0 U	<3 U	<3 U	<6.0 U	<6.0 U	<5.0 U
Tetrahydrofuran	µg/L	50.	10.	<70 U	<350 U	<140 U	<140 U	<30 U	<30 U	<60 U	<60 U	51 JB
Toluene	µg/L	800.	160.	<2.7 U	<14 U	<5.4 U	<5.4 U	<3 U	<3 U	<6.0 U	<6.0 U	<4.0 U
trans-1,2-Dichloroethene	µg/L	100.	20.	280.	260.	230.	240.	110.	110.	160.	140.	100.
trans-1,3-Dichloropropene	µg/L	0.4	0.04	<1.8 U	<9.0 U	<3.6 U	<3.6 U	<0.7 U	<0.7 U	<1.4 U	<1.4 U	<1.9 U
Trichloroethene	µg/L	5.	0.5	2900.	2800.	2100.	2100.	1300.	1200.	1200.	1100.	950.
Trichlorofluoromethane	µg/L	--	--	<2.4 U	<12 U	<4.8 U	<4.8 U	<2.5 U	<2.5 U	<5.0 U	<5.0 U	<9.0 U
Vinyl acetate	µg/L	--	--	<60 U	<300 U	<120 U	<120 U	<25 U	<25 U	<50 U	<50 U	<22 U
Vinyl chloride	µg/L	0.2	0.02	13.	23 J	9.5 J	9.8 J	6.6	5.6	6.4	3.0 J	4.1 J

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

		Date Sampled:		11/1/16	5/10/17	5/10/17	11/28/17	11/28/17	11/7/18	12/2/21	11/16/22
	Units	NR140 ES	NR140 PAL	MW-105S Dup	MW-105S	MW-105S Dup	MW-105S	MW-105S Dup	MW-105S	MW-105S	MW-105S
Field Parameters											
Dissolved Oxygen (DO)	mg/L	--	--	0.00	0.00	0.00	0.00	0.00	0.56	1.51	0.38
Oxidation Reduction Potential	millivolts	--	--	-66	-50	-50	-43	-43	-63	24.3	77.5
pH	pH-units	--	--	7.02	7.22	7.22	6.74	6.74	6.96	7.47	7.25
Specific Conductivity	umhos/cm	--	--	1770	944	944	1420	1420	2130	3367.4	2417
Temperature	deg-C	--	--	9.00	9.00	9.00	17.04	17.04	11.03	10.18	10.54
Turbidity	ntu	--	--	0.	0.	0.	0.	0.	43.4	206.71	220.27
Natural Attenuation Parameters											
Alkalinity, total (as $CaCO_3$)	mg/L	--	--	420.	430.	430.	440.	440.	430.	370.	380.
Chloride (as Cl)	mg/L	250.	125.	360.	200.	200.	410.	420.	610 M	910.	870.
Iron, total (unfiltered)	mg/L	--	--	4.71	3.28	3.22	9.98	9.51	2 M	6.54	9.14
Iron, dissolved (filtered)	mg/L	0.3	0.15	1.55	1.45	1.46	1.13	1.16	2.02	2.15	2.46
Manganese, total (unfiltered)	µg/L	--	--	222.	166.	165.	196.	221.	225.	402.	324.
Manganese, dissolved (filtered)	µg/L	50.	25.	234.	163.	163.	206.	209.	249.	351.	347.
Nitrate Nitrogen, total	mg/L	10.	2.	NA	NA	NA	NA	NA	NA	<0.12	<0.12
Acetylene	µg/L	--	--	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	NA	NA
Ethane	µg/L	--	--	1.3	<0.40 U	<0.40 U	1.2	0.82 J	<0.80 U	<0.38	<0.38
Ethene	µg/L	--	--	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<1.2 U	<0.59	<0.59
Methane	µg/L	--	--	41.	9.7	15.	150.	130.	39 M	110.	29.
Sulfate(as SO4)	mg/L	250.	125.	48.	52.	53.	88.	93.	45.	56.	43.
Total Organic Carbon	mg/L	--	--	2.8	3.1	4.	3.4	2.9	2.2	4.1	3.7
VOCs											
1,1,1,2-Tetrachloroethane	µg/L	70.	7.	<4.0 U	<8.0 U	<8.0 U	<8.0 U	<8.0 U	<8.0 U	<0.26	<0.013
1,1,1-Trichloroethane	µg/L	200.	40.	<5.0 U	<10 U	<10 U	<10 U	<10 U	<10 U	<0.26	0.13
1,1,2,2-Tetrachloroethane	µg/L	0.2	0.02	<1.7 U	<3.4 U	<3.4 U	<3.4 U	<3.4 U	<3.4 U	<0.30	<0.015
1,1,2-Trichloroethane	µg/L	5.	0.5	<5.0 U	<10 U	<10 U	<10 U	<10 U	<10 U	<0.72	<0.036
1,1-Dichloroethane	µg/L	850.	85.	61.	110.	110.	66.	74.	68.	1.9	2.5
1,1-Dichloroethene	µg/L	7.	0.7	11 J	20 J	17 J	13 J	14 J	14 J	0.92	0.79
1,1-Dichloropropene	µg/L	--	--	<6.0 U	<12 U	<12 U	<12 U	<12 U	<12 U	<1.5	<0.074
1,2,3-Trichlorobenzene	µg/L	--	--	<4.0 U	<8.0 U	<8.0 U	<8.0 U	<8.0 U	<8.0 U	<0.38	<0.019
1,2,3-Trichloropropane	µg/L	60.	12.	<4.0 U	<8.0 U	<8.0 U	<8.0 U	<8.0 U	<8.0 U	<0.62	<0.031
1,2,4-Trichlorobenzene	µg/L	70.	14.	<4.0 U	<8.0 U	<8.0 U	<8.0 U	<8.0 U	<8.0 U	<0.44	<0.022
1,2,4-Trimethylbenzene	µg/L	480.	96.	<4.0 U	<8.0 U	<8.0 U	<8.0 U	<8.0 U	<8.0 U	<0.22	<0.011
1,2-Dibromo-3-chloropropane	µg/L	0.2	0.02	<9.0 U	<18 U	<18 U	<18 U	<18 U	<18 U	<2.4	<0.12
1,2-Dibromoethane	µg/L	0.05	0.005	<7.0 U	<14 U	<14 U	<14 U	<14 U	<14 U	<0.58	<0.029
1,2-Dichlorobenzene	µg/L	600.	60.	<4.0 U	<8.0 U	<8.0 U	<8.0 U	<8.0 U	<8.0 U	<0.32	<0.016
1,2-Dichloroethane	µg/L	5.	0.5	<5.0 U	<10 U	<10 U	<10 U	<10 U	<10 U	<0.34	<0.017
1,2-Dichloropropane	µg/L	5.	0.5	<7.0 U	<14 U	<14 U	<14 U	<14 U	<14 U	<0.26	<0.013
1,3,5-Trimethylbenzene	µg/L	480.	96.	<5.0 U	<10 U	<10 U	<10 U	<10 U	<10 U	<0.26	<0.013
1,3-Dichlorobenzene	µg/L	600.	120.	<4.0 U	<8.0 U	<8.0 U	<8.0 U	<8.0 U	<8.0 U	<0.26	0.055
1,3-Dichloropropane	µg/L	--	--	<4.0 U	<8.0 U	<8.0 U	<8.0 U	<8.0 U	<8.0 U	<0.40	<0.020
1,4-Dichlorobenzene	µg/L	75.	15.	<4.0 U	<8.0 U	<8.0 U	<8.0 U	<8.0 U	<8.0 U	<0.34	<0.017
1,4-Dioxane	µg/L	3.	0.3	<700 U	<1400 U	<1400 U	<1400 U	<1400 U	<1400 U	<140	<7.0
2,2-Dichloropropane	µg/L	--	--	<5.0 U	<10 U	<10 U	<10 U	<10 U	<10 U	<1.5	<0.075
2-Butanone (MEK)	µg/L	4000.	800.	<50 U	<100 U	<100 U	<100 U	<100 U	<100 U	<6.2	<0.31
2-Chlorotoluene	µg/L	--	--	<3.0 U	<6.0 U	<6.0 U	<6.0 U	<6.0 U	<6.0 U	<0.40	<0.020
2-Hexanone	µg/L	--	--	<24 U	<48 U	<48 U	<48 U	<48 U	<48 U	<3.0	<0.15
4-Chlorotoluene	µg/L	--	--	<4.0 U	<8.0 U	<8.0 U	<8.0 U	<8.0 U	<8.0 U	<0.26	<0.013
4-Methyl-2-pentanone (MIBK)	µg/L	500.	50.	<24 U	<48 U	<48 U	<48 U	<48 U	<48 U	<3.8	<0.19
Acetone	µg/L	9000.	1800.	46 JB	200 B	180 JB	92 JB	73 JB	93 JB	37.	<0.84
Benzene	µg/L	5.	0.5	<1.8 U	<3.6 U	<3.6 U	<3.6 U	<3.6 U	<3.6 U	<0.44	0.041
Bromobenzene	µg/L	--	--	<4.0 U	<8.0 U	<8.0 U	<8.0 U	<8.0 U	<8.0 U	<0.36	<0.018
Bromochloromethane	µg/L	--	--	<3.0 U	<6.0 U	<6.0 U	<6.0 UQ	<6.0 UQ	<6.0 U	<0.68	<0.034

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

		Date Sampled:		11/1/16	5/10/17	5/10/17	11/28/17	11/28/17	11/7/18	12/2/21	11/16/22
	Units	NR140 ES	NR140 PAL	MW-105S Dup	MW-105S	MW-105S Dup	MW-105S	MW-105S Dup	MW-105S	MW-105S	MW-105S
Bromodichloromethane	µg/L	0.6	0.06	<1.6 U	<3.2 U	<3.2 U	<3.2 U	<3.2 U	<3.2 U	<0.38	<0.019
Bromoform	µg/L	4.4	0.44	<4.0 U	<8.0 U	<8.0 U	<8.0 U	<8.0 U	<8.0 U	<0.82	<0.041
Bromomethane	µg/L	10.	1.	<8.0 UZ	<16 UZ	<16 UZ	<16 UZ	<16 UZ	<16 U	<1.0	<0.052
Carbon disulfide	µg/L	1000.	200.	<7.0 U	<14 U	<14 U	<14 U	<14 U	<14 U	<2.2	<0.11
Carbon tetrachloride	µg/L	5.	0.05	<5.0 U	<10 U	<10 U	<10 U	<10 U	<10 U	<0.36	<0.018
Chlorobenzene	µg/L	--	--	<4.0 U	<8.0 U	<8.0 U	<8.0 U	<8.0 U	<8.0 U	<0.26	1.1
Chloroethane	µg/L	400.	80.	<7.0 U	<14 U	<14 U	<14 U	<14 U	<14 U	<8.0	<0.40
Chloroform	µg/L	6.	0.6	<3.0 U	<6.0 U	<6.0 U	<6.0 U	9.7 J	<6.0 U	<0.32	<0.016
Chloromethane	µg/L	30.	3.	<4.0 U	<8.0 U	<8.0 U	<8.0 U	<8.0 U	<8.0 U	<0.90	0.067
cis-1,2-Dichloroethene	µg/L	70.	7.	1000.	2000.	2100.	1300.	1400.	1000.	360.	300.
cis-1,3-Dichloropropene	µg/L	0.4	0.04	<1.1 U	<2.2 U	<2.2 U	<2.2 U	<2.2 U	<2.2 U	<0.28	<0.014
Dibromochloromethane	µg/L	60.	6.	<3.0 U	<6.0 U	<6.0 U	<6.0 U	<6.0 U	<6.0 U	<0.32	<0.016
Dibromomethane	µg/L	--	--	<5.0 U	<10 U	<10 U	<10 U	<10 U	<10 U	<0.36	<0.018
Dichlorodifluoromethane	µg/L	1000.	200.	<6.0 U	<12 U	<12 U	<12 U	<12 U	<12 U	<1.8	<0.091
Diisopropyl ether	µg/L	--	--	<4.0 U	<8.0 U	<8.0 U	<8.0 U	<8.0 U	<8.0 U	<0.3	<0.02
Ethylbenzene	µg/L	700.	140.	<4.0 U	<8.0 U	<8.0 U	<8.0 U	<8.0 U	<8.0 U	<0.28	<0.014
Hexachlorobutadiene	µg/L	--	--	<5.0 U	<10 U	<10 U	<10 U	<10 U	<10 U	<0.54	<0.027
Isopropylbenzene	µg/L	--	--	<4.0 U	<8.0 U	<8.0 U	<8.0 U	<8.0 U	<8.0 U	<0.28	<0.020
m & p-Xylene	µg/L	2000.	400.	<7.0 U	<14 U	<14 U	<14 U	<14 U	<14 U	<0.44	<0.030
Methyl tert-butyl ether	µg/L	60.	12.	<4.0 U	<8.0 U	<8.0 U	<8.0 U	<8.0 U	<8.0 U	<0.28	<0.014
Methylene chloride	µg/L	5.	0.5	<5.0 U	16 JB	13 JB	<10 U	<10 U	<10 U	26.	<0.090
Naphthalene	µg/L	100.	10.	<3.0 U	<6.0 U	<6.0 U	<6.0 U	<6.0 U	<6.0 U	<0.50	<0.025
n-Butylbenzene	µg/L	--	--	<3.0 U	<6.0 U	<6.0 U	<6.0 U	<6.0 U	<6.0 U	<0.42	<0.021
n-Propylbenzene	µg/L	--	--	<4.0 U	<8.0 U	<8.0 U	<8.0 U	<8.0 U	<8.0 U	<0.26	<0.020
o-Xylene	µg/L	2000.	400.	<4.0 U	<8.0 U	<8.0 U	<8.0 U	<8.0 U	<8.0 U	<0.32	<0.016
p-Isopropyltoluene	µg/L	--	--	<4.0 U	<8.0 U	<8.0 U	<8.0 U	<8.0 U	<8.0 U	<0.32	<0.016
sec-Butylbenzene	µg/L	--	--	<5.0 U	<10 U	<10 U	<10 U	<10 U	<10 U	<0.24	<0.021
Styrene	µg/L	100.	10.	<3.0 U	<6.0 U	<6.0 U	<6.0 U	<6.0 U	<6.0 U	<0.28	<0.014
tert-Butylbenzene	µg/L	--	--	<4.0 U	<8.0 U	<8.0 U	<8.0 U	<8.0 U	<8.0 U	<0.26	<0.020
Tetrachloroethene	µg/L	5.	0.05	<5.0 U	<10 U	<10 U	<10 U	<10 U	<10 U	<0.56	<0.028
Tetrahydrofuran	µg/L	50.	10.	<40 U	150 JB	150 JB	<80 U	<80 U	<80 U	<7.6	<0.38
Toluene	µg/L	800.	160.	<4.0 U	<8.0 U	<8.0 U	<8.0 U	<8.0 U	<8.0 U	<0.28	<0.020
trans-1,2-Dichloroethene	µg/L	100.	20.	120.	220.	240.	200.	220.	200.	3.1	3.1
trans-1,3-Dichloropropene	µg/L	0.4	0.04	<1.9 U	<3.8 U	<3.8 U	<3.8 U	<3.8 U	<3.8 U	<0.40	<0.020
Trichloroethene	µg/L	5.	0.5	1000.	1200.	1200.	650.	740.	610.	70.	50.
Trichlorofluoromethane	µg/L	--	--	<9.0 U	<18 U	<18 U	<18 U	<18 U	<18 U	<0.66	<0.033
Vinyl acetate	µg/L	--	--	<22 U	<44 U	<44 U	<44 U	<44 U	<44 U	<2.8	<0.14
Vinyl chloride	µg/L	0.2	0.02	5.2 J	7.9 J	6.1 J	5.4 J	7.6 J	7.8 J	0.69	1.4

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

		Date Sampled:		12/10/14	5/5/15	11/03/2015	5/11/16	11/1/16	5/10/17	11/28/17	11/7/18	12/1/21	11/16/22
	Units	NR140 ES	NR140 PAL	MW-105D	MW-105D	MW-105D	MW-105D	MW-105D	MW-105D	MW-105D	MW-105D	MW-105D	MW-105D
Field Parameters													
Dissolved Oxygen (DO)	mg/L	--	--	0.43	0.00	0.29	0.00	1.14	0.68	0.00	0.71	1.09	0.41
Oxidation Reduction Potential	millivolts	--	--	-83	-69	-67	-53	-82	-63	-96	-102	-27.6	38.2
pH	pH-units	--	--	7.65	7.30	7.46	7.16	7.31	7.29	7.04	7.10	7.80	7.45
Specific Conductivity	umhos/cm	--	--	1050	1420	1120	1400	1050	1170	893	1118	1123.2	1040.1
Temperature	deg-C	--	--	7.88	8.53	15.53	12.41	6.90	10.59	16.28	9.67	11.16	9.67
Turbidity	ntu	--	--	0.	7.3	5.9	48.1	0.	0.	0.	11.	152.72	12.06
Natural Attenuation Parameters													
Alkalinity, total (as $CaCO_3$)	mg/L	--	--	390.	390.	390.	420.	430.	430.	450.	430.	360.	380.
Chloride (as Cl)	mg/L	250.	125.	440.	190.	190.	210.	190.	190.	210.	210.	190.	230.
Iron, total (unfiltered)	mg/L	--	--	7.44	1.78	1.52	3.68	3.04	3.02	2.23	2.08	3.04	2.93
Iron, dissolved (filtered)	mg/L	0.3	0.15	0.924	1.77	1.36	1.81	1.33	1.46	1.79	2.03	1.9	2.17
Manganese, total (unfiltered)	µg/L	--	--	205.	58.8	65.6	55.4	56.8	49.6	57.9	60.6	80.6	73.0
Manganese, dissolved (filtered)	µg/L	50.	25.	201.	66.9	51.	53.3	57.7	46.5	59.	66.3	78.7	129.
Nitrate Nitrogen, total	mg/L	10.	2.	NA	NA	NA	NA	NA	NA	NA	NA	0.23	<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	--	--	<0.60 U	<0.60 U	<0.9 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.80 U	<0.38	<0.38
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	<0.59
Methane	µg/L	--	--	250.	59.	150.	92.	58.	13.	13.	14.	16.	12.
Sulfate(as SO4)	mg/L	250.	125.	69.	57.	58.	61.	51.	52.	68.	52.	60.	57.
Total Organic Carbon	mg/L	--	--	3.3	2.	1.3 J	3.8	2.4	2.7	1.5 J	1.8	1.9	1.6
VOCs													
1,1,1,2-Tetrachloroethane	µg/L	70.	7.	<0.030 U	<0.30 U	<0.5 U	<0.25 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.065	<0.13
1,1,1-Trichloroethane	µg/L	200.	40.	<0.030 U	<0.30 U	<0.6 U	<0.30 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.065	<0.13
1,1,2,2-Tetrachloroethane	µg/L	0.2	0.02	<0.020 U	<0.20 U	<0.2 U	<0.10 U	<0.085 U	<0.085 U	<0.085 U	<0.085 U	<0.075	<0.15
1,1,2-Trichloroethane	µg/L	5.	0.5	<0.070 U	<0.70 U	<0.5 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.18	<0.36
1,1-Dichloroethane	µg/L	850.	85.	11.	6.2	77.	5.8	5.1	6.4	5.6	4.7	90.	8.
1,1-Dichloroethene	µg/L	7.	0.7	1.6	1.1	6.9	1.1 J	1.1 J	1.6	1.3	1.	10.	1.4
1,1-Dichloropropene	µg/L	--	--	<0.080 U	<0.80 U	<0.6 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.37	<0.74
1,2,3-Trichlorobenzene	µg/L	--	--	<0.040 U	<0.40 U	<0.5 U	<0.25 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.095	<0.19
1,2,3-Trichloropropane	µg/L	60.	12.	<0.080 U	<0.80 U	<0.4 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.16	<0.31
1,2,4-Trichlorobenzene	µg/L	70.	14.	<0.029 U	<0.29 U	<0.4 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.11	<0.22
1,2,4-Trimethylbenzene	µg/L	480.	96.	<0.024 U	<0.24 U	<0.5 U	<0.25 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.055	,0.11
1,2-Dibromo-3-chloropropane	µg/L	0.2	0.02	<0.050 U	<0.50 U	<0.3 U	<0.15 U	<0.45 U	<0.45 U	<0.45 U	<0.45 U	<0.60	<1.2
1,2-Dibromoethane	µg/L	0.05	0.005	<0.040 U	<0.40 U	<0.4 U	<0.20 U	<0.35 U	<0.35 U	<0.35 U	<0.35 U	<0.15	<0.29
1,2-Dichlorobenzene	µg/L	600.	60.	<0.025 U	<0.25 U	<0.6 U	<0.30 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	6.	<0.16
1,2-Dichloroethane	µg/L	5.	0.5	0.16	<0.24 U	0.93 J	<0.20 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	0.69	<0.17
1,2-Dichloropropane	µg/L	5.	0.5	<0.030 U	<0.30 U	<0.6 U	<0.30 U	<0.35 U	<0.35 U	<0.35 U	<0.35 U	<0.065	<0.13
1,3,5-Trimethylbenzene	µg/L	480.	96.	<0.022 U	<0.22 U	<0.6 U	<0.30 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.065	<0.13
1,3-Dichlorobenzene	µg/L	600.	120.	<0.021 U	<0.21 U	<0.6 U	<0.30 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.065	<0.13
1,3-Dichloropropane	µg/L	--	--	<0.040 U	<0.40 U	<0.4 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.10	<0.20
1,4-Dichlorobenzene	µg/L	75.	15.	<0.026 U	<0.26 U	<0.5 U	<0.25 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	11.	<0.17
1,4-Dioxane	µg/L	3.	0.3	NA	NA	NA	NA	<35 U	<35 U	<35 U	<35 U	<35	<70
2,2-Dichloropropane	µg/L	--	--	<0.022 U	<0.22 U	<0.4 U	<0.20 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.38	<0.75
2-Butanone (MEK)	µg/L	4000.	800.	<0.80 U	<8.0 U	<8 U	<4.0 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<1.6	<3.1
2-Chlorotoluene	µg/L	--	--	<0.025 U	<0.25 U	<0.6 U	<0.30 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.10	<0.20
2-Hexanone	µg/L	--	--	<0.40 U	<4.0 U	<4 U	<2.0 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<0.75	<1.5
4-Chlorotoluene	µg/L	--	--	<0.029 U	<0.29 U	<0.5 U	<0.25 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.10	<0.13
4-Methyl-2-pentanone (MIBK)	µg/L	500.	50.	<0.26 U	<2.6 U	<4 U	<2.0 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<0.95	<1.9
Acetone	µg/L	9000.	1800.	<1.3 UZ	<13 UZ	<9 U	110 B	<1.5 U	5.2 B	4.9 JB	4.6 JB	<4.2	<8.4
Benzene	µg/L	5.	0.5	<0.019 U	<0.19 U	<0.6 U	<0.30 U	<0.090 U	<0.090 U	<0.090 U	<0.090 U	<0.11	<0.22
Bromobenzene	µg/L	--	--	<0.030 U	<0.30 U	<0.4 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.090	<0.18
Bromochloromethane	µg/L	--	--	<0.090 U	<0.90 U	<0.17 U	<0.085 U	<0.15 U	<0.15 U	<0.15 UQ	<0.15 U	<0.17	<0.34

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

		Date Sampled:		12/10/14	5/5/15	11/03/2015	5/11/16	11/1/16	5/10/17	11/28/17	11/7/18	12/1/21	11/16/22
	Units	NR140 ES	NR140 PAL	MW-105D	MW-105D	MW-105D	MW-105D	MW-105D	MW-105D	MW-105D	MW-105D	MW-105D	MW-105D
Bromodichloromethane	µg/L	0.6	0.06	<0.018 U	<0.18 U	<0.17 U	<0.085 U	<0.080 U	<0.080 U	<0.080 U	<0.080 U	<0.095	<0.19
Bromoform	µg/L	4.4	0.44	<0.060 U	<0.60 U	<0.18 U	<0.090 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.21	<0.41
Bromomethane	µg/L	10.	1.	<0.070 UZ	<0.70 U	<0.9 U	<0.45 U	<0.40 UZ	<0.40 U	<0.40 UZ	<0.40 U	<0.26	<0.52
Carbon disulfide	µg/L	1000.	200.	<0.080 U	<0.80 U	<1.1 U	<0.55 U	<0.35 U	<0.35 U	<0.35 U	<0.35 U	<0.55	<1.1
Carbon tetrachloride	µg/L	5.	0.05	<0.029 U	<0.29 U	<0.6 U	<0.30 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.090	<0.18
Chlorobenzene	µg/L	--	--	<0.024 U	<0.24 U	<0.4 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	17.	<0.13
Chloroethane	µg/L	400.	80.	<0.040 U	<0.40 U	1.3 J	<0.30 U	<0.35 U	<0.35 U	<0.35 U	<0.35 U	<2.0	<4.0
Chloroform	µg/L	6.	0.6	<0.030 U	<0.30 U	<0.6 U	<0.30 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.080	<0.16
Chloromethane	µg/L	30.	3.	0.061 JB	<0.40 U	<0.5 U	<0.25 U	<0.20 U	0.25 JB	<0.20 U	0.22 J	<0.23	<0.45
cis-1,2-Dichloroethene	µg/L	70.	7.	110.	69.	510.	63.	55.	68.	71.	50.	1500.	110.
cis-1,3-Dichloropropene	µg/L	0.4	0.04	<0.020 U	<0.20 U	<0.15 U	<0.075 U	<0.055 U	<0.055 U	<0.055 U	<0.055 U	<0.070	<0.14
Dibromochloromethane	µg/L	60.	6.	<0.040 U	<0.40 U	<0.16 U	<0.080 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.080	<0.16
Dibromomethane	µg/L	--	--	<0.040 U	<0.40 U	<0.6 U	<0.30 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.090	<0.18
Dichlorodifluoromethane	µg/L	1000.	200.	<0.11 U	<1.1 U	<0.6 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.46	<0.91
Diisopropyl ether	µg/L	--	--	<0.021 U	<0.21 U	<0.4 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.08	<0.2
Ethylbenzene	µg/L	700.	140.	<0.019 U	<0.19 U	<0.6 U	<0.30 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.070	<0.14
Hexachlorobutadiene	µg/L	--	--	<0.070 U	<0.70 U	<0.7 U	<0.35 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.14	<0.27
Isopropylbenzene	µg/L	--	--	<0.060 U	<0.60 U	<0.5 U	<0.25 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.070	<0.20
m & p-Xylene	µg/L	2000.	400.	<0.050 U	<0.50 U	<1.2 U	<0.60 U	<0.35 U	<0.35 U	<0.35 U	<0.35 U	<0.11	<0.30
Methyl tert-butyl ether	µg/L	60.	12.	0.15	<0.40 U	<0.4 U	0.24 J	0.22 J	0.29 J	<0.20 U	0.24 J	<0.070	<0.14
Methylene chloride	µg/L	5.	0.5	<0.15 U	<1.5 U	<0.6 U	9.6	<0.25 U	2.6	<0.25 U	<0.25 U	<0.45	1.6
Naphthalene	µg/L	100.	10.	<0.040 U	<0.40 U	<0.5 U	<0.25 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.13	<0.25
n-Butylbenzene	µg/L	--	--	<0.021 U	<0.21 U	<0.5 U	<0.25 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.11	<0.21
n-Propylbenzene	µg/L	--	--	<0.022 U	<0.22 U	<0.5 U	<0.25 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.065	<0.20
o-Xylene	µg/L	2000.	400.	<0.027 U	<0.27 U	<0.5 U	<0.25 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.080	<0.16
p-Isopropyltoluene	µg/L	--	--	<0.030 U	<0.30 U	<0.6 U	<0.30 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.080	<0.16
sec-Butylbenzene	µg/L	--	--	<0.024 U	<0.24 U	<0.5 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.060	<0.21
Styrene	µg/L	100.	10.	<0.020 U	<0.20 U	<0.5 U	<0.25 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.070	<0.14
tert-Butylbenzene	µg/L	--	--	<0.025 U	<0.25 U	<0.6 U	<0.30 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.065	<0.20
Tetrachloroethene	µg/L	5.	0.05	<0.030 U	<0.30 U	<0.6 U	<0.30 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.14	<0.28
Tetrahydrofuran	µg/L	50.	10.	<0.70 U	<7.0 U	<6 U	3.1 JZ,B	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<1.9	<3.8
Toluene	µg/L	800.	160.	<0.027 U	<0.27 U	<0.6 U	<0.30 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	0.57	<0.20
trans-1,2-Dichloroethene	µg/L	100.	20.	1.7	2.2	36.	1.6	1.4	1.3	1.1	0.62 J	360.	8.3
trans-1,3-Dichloropropene	µg/L	0.4	0.04	<0.018 U	<0.18 U	<0.14 U	<0.070 U	<0.095 U	<0.095 U	<0.095 U	<0.095 U	<0.10	<0.20
Trichloroethene	µg/L	5.	0.5	1.4	1.8	3.5	0.56	0.78 J	0.55 J	0.43 J	0.32 J	73.	2.2
Trichlorofluoromethane	µg/L	--	--	<0.024 U	<0.24 U	<0.5 U	<0.25 U	<0.45 U	<0.45 U	<0.45 U	<0.45 U	<0.17	<0.33
Vinyl acetate	µg/L	--	--	<0.60 U	<6.0 U	<5 U	<2.5 U	<1.1 U	<1.1 U	<1.1 U	<1.1 U	<0.70	<1.4
Vinyl chloride	µg/L	0.2	0.02	2.	1.7	8.3	1.7	2.	2.9	1.7	2.8	27.	6.0

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

		Date Sampled:		12/10/14	5/5/15	11/03/2015	5/11/16	11/1/16	5/10/17	11/28/17	11/7/18	12/1/21	12/1/21	11/16/22	11/16/22
	Units	NR140 ES	NR140 PAL	MW-105B	MW-105B	MW-105B	MW-105B	MW-105B	MW-105B	MW-105B	MW-105B	MW-105B	MW-105B DUP	MW-105B	MW-105B DUP A
Field Parameters															
Dissolved Oxygen (DO)	mg/L	--	--	3.53	4.60	0.40	0.00	6.49	1.15	0.00	0.67	1.24	NA	0.13	NA
Oxidation Reduction Potential	millivolts	--	--	-134	-31	-120	-9	-161	-50	-162	-173	-115.5	NA	-83.3	NA
pH	pH-units	--	--	7.86	7.18	7.71	7.57	7.58	7.52	7.88	7.26	8.04	NA	7.69	NA
Specific Conductivity	umhos/cm	--	--	756	945	791	764	815	784	622	777	744.5	NA	640.87	NA
Temperature	deg-C	--	--	7.54	8.91	13.02	18.52	6.90	10.76	16.13	9.60	10.83	NA	10.08	NA
Turbidity	ntu	--	--	0.	4.7	0.	4.1	0.	0.	0.	0.4	157.92	NA	21.35	NA
Natural Attenuation Parameters															
Alkalinity, total (as $CaCO_3$)	mg/L	--	--	370.	350.	380.	390.	400.	400.	410.	400.	330.	320.	340.	250.
Chloride (as Cl)	mg/L	250.	125.	110.	95.	90.	84.	94.	91.	110.	82.	84.	86.	74.	97.
Iron, total (unfiltered)	mg/L	--	--	2.82	0.311	2.8	0.389	3.7	0.171	3.98	3.04	2.4	2.47	2.52	5.55
Iron, dissolved (filtered)	mg/L	0.3	0.15	2.82	0.263	2.67 M	0.247	3.23	0.0775 J	3.66	3.3	2.6	2.61	2.52	<0.027
Manganese, total (unfiltered)	µg/L	--	--	519.	461.	394.	372.	404.	18.2	411.	338.	270.	278.	238.	363.
Manganese, dissolved (filtered)	µg/L	50.	25.	502.	489.	313.	225.	415.	11.9	425.	349.	273.	274.	241.	<1.2
Nitrate Nitrogen, total	mg/L	10.	2.	NA	NA	NA	NA	NA	NA	NA	NA	<0.12	0.47	0.34	14.
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			
Ethane	µg/L	--	--	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	<0.38	<0.38	<0.38
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	<0.59	<0.59	<0.59
Methane	µg/L	--	--	1400.	190.	2600.	470.	410.	13.	120.	150.	1200.	1100.	430.	<0.45
Sulfate(as SO4)	mg/L	250.	125.	<1.0 U	<1.0 U	<1 U	0.73 J	<1.0 U	<1.0 U	<1.0 U	<0.80 U	4.	12.	1.5	15.
Total Organic Carbon	mg/L	--	--	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	1.1	0.73	2.
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	<0.013	<0.013	<0.013
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	<0.013	<0.013	<0.013
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	<0.015	<0.015	<0.015
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	<0.036	<0.036	<0.036
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	<0.017	<0.017	<0.017
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	<0.024	<0.024
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	<0.074	<0.074	<0.074
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	<0.019	<0.019	<0.019
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	<0.031	<0.031	<0.031
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	<0.022	<0.022	<0.022
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	<0.011	<0.011	<0.011
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	<0.12	<0.12	<0.12
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	<0.029	<0.029	<0.029
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	<0.016	<0.016	<0.016
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	<0.017	<0.017	<0.017
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	<0.013	<0.013	<0.013
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	<0.013	<0.013	<0.013
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	<0.013	0.071	0.032
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	<0.020	<0.020	<0.020
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	<0.017	<0.017	<0.017
1,4-Dioxane	µg/L	3.	0.3	NA	NA	NA	NA	11 J	15 J	13 JZ	<7.0 U	<7.0	<7.0	<7.0	<7.0
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	<0.075	<0.075	<0.075
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	<0.31	<0.31	<0.31
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	<0.020	<0.020	<0.020
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	<0.15	<0.15	<0.15
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	<0.013	<0.013	<0.013
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	<0.19	<0.19	<0.19
Acetone	µg/L	9000.	1800.	<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	<0.84	<0.84	1.1
Benzene	µg/L	5.	0.5	<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	<0.022	<0.022	<0.022
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	<0.018	<0.018	<0.018
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 U	<0.034	<0.034	<0.034	<0.034

Table 3. Groundwater Quality Data

Oconomowoc Electroplating Company Inc. (OECI) Superfund Site Monitoring Wells

		Date Sampled:		12/10/14	5/5/15	11/03/2015	5/11/16	11/1/16	5/10/17	11/28/17	11/7/18	12/1/21	12/1/21	11/16/22	11/16/22
	Units	NR140 ES	NR140 PAL	MW-105B	MW-105B	MW-105B	MW-105B	MW-105B	MW-105B	MW-105B	MW-105B	MW-105B	MW-105B DUP	MW-105B	MW-105B DUP A
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	<0.019	<0.019	<0.019
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	<0.041	<0.041	<0.041
Bromomethane	µg/L	10.	1.	<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	<0.052	<0.052	<0.052
Carbon disulfide	µg/L	1000.	200.	<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	<0.11	<0.11	<0.11
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	<0.018	<0.018	<0.018
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	<0.013	<0.013	<0.013
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	<0.40	<0.40	<0.40
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	<0.016	<0.016	0.1
Chloromethane	µg/L	30.	3.	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	<0.045	0.052	0.17
cis-1,2-Dichloroethene	µg/L	70.	7.	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	0.15	0.12	0.75
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	<0.014	<0.014	<0.014
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	<0.016	<0.016	<0.016
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	<0.018	<0.018	<0.018
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	<0.091	<0.091	<0.091
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	<0.02	<0.02	<0.02
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	<0.014	<0.014	<0.014
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	<0.027	<0.027	<0.027
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	<0.014	<0.020	<0.020
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	<0.022	<0.030	<0.030
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	<0.014	<0.014	<0.014
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	<0.090	<0.090	<0.090	<0.090
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	<0.025	<0.025	<0.025
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	<0.021	<0.021
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	<0.013	<0.020	<0.020
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	<0.016	<0.016	<0.016
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	<0.016	<0.016	<0.016
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	<0.012	<0.021	<0.021
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	<0.014	<0.014	<0.014
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	<0.013	<0.020	<0.020
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	<0.028	<0.028	<0.028
Tetrahydrofuran	µg/L	50.	10.	<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	<0.38	<0.38	<0.38
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	<0.014	<0.020	<0.020
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	<0.020	<0.020	<0.020
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	<0.020	<0.020	<0.020
Trichloroethene	µg/L	5.	0.5	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	<0.022	<0.022	0.07
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	<0.033	<0.033	<0.033
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	<0.14	<0.14	<0.14
Vinyl chloride	µg/L	0.2	0.02	<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	<0.019	<0.019	<0.019

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

		Date Sampled:		12/11/14	5/6/15	11/04/2015	5/18/16	11/2/16	5/10/17	11/29/17	11/9/18	12/1/21	11/15/22
	Units	NR140 ES	NR140 PAL	OW-6	OW-6	OW-6	OW-6	OW-6	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	1.75	0.67
Oxidation Reduction Potential	millivolts	--	--	-119	-34	-150	163	-166	11	-120	-111	-66.1	39.3
pH	pH-units	--	--	7.34	6.74	9.51	9.18	7.48	7.72	7.73	6.91	10.17	9.83
Specific Conductivity	umhos/cm	--	--	731	743	485	637	951	778	876	952	869.12	815.6
Temperature	deg-C	--	--	8.73	9.88	18.83	12.40	9.64	10.56	16.74	10.87	11.26	10.95
Turbidity	ntu	--	--	3.73	1.2	0.	0.	0.	0.	0.	0.	224.01	5.45
Natural Attenuation Parameters													
Alkalinity, total (as $CaCO_3$)	mg/L	--	--	220.	260.	190.	240.	350.	310.	350.	310.	260.	270.
Chloride (as Cl)	mg/L	250.	125.	160.	160.	120.	130.	150.	140.	190.	120.	120.	110.
Iron, total (unfiltered)	mg/L	--	--	1.16	0.299	0.13	0.416	4.	0.534	6.26	1.2	<0.033	<0.033
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	<0.027	<0.027
Manganese, total (unfiltered)	µg/L	--	--	46.4	85.1	9.9	16.6	76.4	50.4	77.	25.6	1.5	<1.5
Manganese, dissolved (filtered)	µg/L	50.	25.	41.3	72.4	6.3	4.8 J	78.6	8.3	80.	22.	1.2	1.3
Nitrate Nitrogen, total	mg/L	10.	2.	NA	NA	NA	NA	NA	NA	NA	NA	0.12	0.75
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	--	--	<0.60 U	<0.60 U	<0.9 U	<0.40 U	0.53 J	<0.40 U	0.44 J	<0.80 U	<0.38	<0.38
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	<0.59
Methane	µg/L	--	--	99.	210.	36.	54.	65.	39.	420.	16.	0.89	<0.45
Sulfate(as SO4)	mg/L	250.	125.	9.2	5.6	8.2	9.7	26.	28.	39.	23.	20.	15.
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	<0.4	0.93
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	<0.013
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	<0.013
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	<0.015
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	<0.036
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	<0.017	<0.017
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
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	<0.074
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	<0.019
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	<0.031
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	<0.022
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	<0.011
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	<0.12
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	<0.029
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	<0.016
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	<0.017	<0.017
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	<0.013
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	<0.013
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	<0.013	0.04
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	<0.020
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	<0.017
1,4-Dioxane	µg/L	3.	0.3	NA	NA	NA	NA	<7.0 U	9.9 J	<7.0 U	<7.0 U	<7.0	<7.0
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	<0.075	<0.075
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	<0.31
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	<0.020
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	<0.15
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	<0.013
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	<0.19
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	<0.84	<0.84
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	<0.022	<0.022
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	<0.018
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	<0.034

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

		Date Sampled:		12/11/14	5/6/15	11/04/2015	5/18/16	11/2/16	5/10/17	11/29/17	11/9/18	12/1/21	11/15/22
	Units	NR140 ES	NR140 PAL	OW-6	OW-6	OW-6	OW-6	OW-6	OW-6	OW-6	OW-6	OW-6	OW-6
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	<0.019
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	<0.041
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	<0.052	<0.052
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	<0.11
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	<0.018
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	<0.013
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	<0.40
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	<0.016
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	<0.045	0.049
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	<0.023	0.036
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	<0.014
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	<0.016
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	<0.018
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	<0.091
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	<0.02
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	<0.014
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	<0.027
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	<0.020
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	<0.030
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	<0.014
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	<0.090	<0.090
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	<0.025
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
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	<0.020
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	<0.016
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	<0.016
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	<0.021
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	<0.014
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	<0.020
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	<0.028	<0.028
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	<0.38
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	<0.020
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	<0.020
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	<0.020
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	<0.022	<0.022
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	<0.033
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	<0.14
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	<0.019

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

	Date Sampled:			12/10/14	5/5/15	11/05/2015	5/18/16	11/1/16	5/9/17	11/29/17	11/8/18	12/2/21	12/2/21	11/15/22
	Units	NR140 ES	NR140 PAL	TW-202I	TW-202I	TW-202I	TW-202I	TW-202I	TW-202I	TW-202I	TW-202I	TW-202I	TW-202I DUP	TW-202I
Field Parameters														
Dissolved Oxygen (DO)	mg/L	--	--	2.63	1.40	0.37	2.55	0.00	0.34	0.00	0.82	1.52	NA	0.39
Oxidation Reduction Potential	millivolts	--	--	-18	-14	-10	55	-29	45	-47	-55	81.4	NA	128.2
pH	pH-units	--	--	7.55	7.48	6.86	7.02	6.93	7.34	7.57	7.07	7.63	NA	7.35
Specific Conductivity	umhos/cm	--	--	1040	1180	980	1190	1230	1520	761	990	1018.5	NA	1261.3
Temperature	deg-C	--	--	8.66	11.28	14.54	11.28	8.14	10.07	17.72	12.04	11.97	NA	10.97
Turbidity	ntu	--	--	8.31	24.3	12.2	0.	0.	0.	0.	27.2	158.49	NA	0.61
Natural Attenuation Parameters														
Alkalinity, total (as $CaCO_3$)	mg/L	--	--	350.	310.	350.	370.	380.	390.	360.	360.	290.	290.	340.
Chloride (as Cl)	mg/L	250.	125.	230.	290.	230.	260.	210.	210.	190.	170.	190.	190.	300.
Iron, total (unfiltered)	mg/L	--	--	0.258	0.29	0.325	0.169	0.191	0.144	0.176	0.531	0.338	0.328	0.309
Iron, dissolved (filtered)	mg/L	0.3	0.15	0.103	0.0537	0.107	0.126	0.122 J	0.107 J	<0.059 U	0.11 J	0.153	0.142	0.174
Manganese, total (unfiltered)	µg/L	--	--	563.	543.	591.	486.	441.	371.	424.	277.	572.	558.	506.
Manganese, dissolved (filtered)	µg/L	50.	25.	410.	468.	515.	448.	431.	328.	379.	387.	420.	411.	486.
Nitrate Nitrogen, total	mg/L	10.	2.	NA	NA	NA	NA	NA	NA	NA	NA	0.25	<0.12	<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	NA
Ethane	µg/L	--	--	<0.60 U	<0.60 U	<0.9 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.80 U	<0.38	<0.38	<0.38
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	<0.59	<0.59
Methane	µg/L	--	--	3.1	5.	2.6	4.4	2.7	0.4 J	1.8	1.2	8.6	8.9	3.9
Sulfate(as SO4)	mg/L	250.	125.	55.	44.	39.	51.	39.	38.	32.	26.	25.	35.	35.
Total Organic Carbon	mg/L	--	--	2.9	2.	0.76 J	3.6	2.6	3.5	2.	1.9	2.4	1.7	2.8
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	<0.013	<0.013
1,1,1-Trichloroethane	µg/L	200.	40.	0.32	0.29	0.27	0.24	0.25	0.22	0.23	0.14 J	0.14	0.13	0.11
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	<0.015	<0.015
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	<0.036	<0.036
1,1-Dichloroethane	µg/L	850.	85.	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	0.019
1,1-Dichloroethene	µg/L	7.	0.7	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	<0.024
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	<0.074	<0.074
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	<0.019	<0.019
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	<0.031	<0.031
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	<0.022	<0.022
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	0.094 J	<0.011	<0.011	<0.011
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	<0.12	<0.12
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	<0.029	<0.029
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	<0.016	<0.016
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	<0.017	<0.017
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	<0.013	<0.013
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	<0.013	<0.013
1,3-Dichlorobenzene	µg/L	600.	120.	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	0.026
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	<0.020	<0.020
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	0.62	<0.017	<0.017	<0.017
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	<7.0	<7.0
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	<0.075	<0.075
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	<0.31	<0.31
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	<0.020	<0.020
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	<0.15	<0.15
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	<0.013	<0.013
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	<0.19	<0.19
Acetone	µg/L	9000.	1800.	<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	<0.84
Benzene	µg/L	5.	0.5	<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	<0.022
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	<0.018	<0.018
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	<0.034	<0.034

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

	Date Sampled:			12/10/14	5/5/15	11/05/2015	5/18/16	11/1/16	5/9/17	11/29/17	11/8/18	12/2/21	12/2/21	11/15/22
	Units	NR140 ES	NR140 PAL	TW-202I	TW-202I	TW-202I	TW-202I	TW-202I	TW-202I	TW-202I	TW-202I	TW-202I	TW-202I DUP	TW-202I
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	<0.019	<0.019
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	<0.041	<0.041
Bromomethane	µg/L	10.	1.	<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	<0.052
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	<0.11	<0.11
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	<0.018	<0.018
Chlorobenzene	µg/L	--	--	0.55	0.54	0.61	0.45	0.56	0.47	0.51	0.39	0.37	0.35	0.32
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	<0.40	<0.40
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	<0.016	<0.016
Chloromethane	µg/L	30.	3.	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	<0.045
cis-1,2-Dichloroethene	µg/L	70.	7.	11.	12.	8.6	19.	17.	20.	11.	6.3	4.2	5.9	3.0
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	<0.014	<0.014
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	<0.016	<0.016
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	<0.018	<0.018
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	<0.091	<0.091
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	<0.02	<0.02
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	<0.014	<0.014
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	<0.027	<0.027
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	<0.014	<0.020
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	0.11 J	<0.022	<0.022	<0.030
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	<0.014	<0.014
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	<0.090	<0.090	<0.090
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	0.13	<0.025	<0.025	<0.025
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	<0.021
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	<0.013	<0.020
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	0.058 J	<0.016	<0.016	<0.016
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	<0.016	<0.016
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	<0.012	<0.021
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	<0.014	<0.014
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	<0.013	<0.020
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	<0.028	<0.028
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	<0.38	<0.38
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	0.063 J	<0.014	<0.014	<0.020
trans-1,2-Dichloroethene	µg/L	100.	20.	1.	1.	0.98	1.5	1.2	0.97	0.6	0.47	0.47	0.46	0.37
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	<0.020	<0.020
Trichloroethene	µg/L	5.	0.5	13.	12.	11.	12.	11.	12.	11.	8.	5.1	4.5	4.9
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	<0.033	<0.033
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	<0.14	<0.14
Vinyl chloride	µg/L	0.2	0.02	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	<0.019

Table 4. Residential Wells Groundwater Sample Results

		Date Sampled:		12/9/14	11/4/15	11/2/16	11/28/17	12/7/18	12/1/21	11/18/22
Field Parameters	Units	NR140 ES	NR140 PAL	PW-03	PW-03	PW-03	PW-03	PW-03	PW-03	PW-03
pH	pH-units	--	--	NA	NA	NA	NA	NA	9.08	NA
Specific Conductivity	umhos/cm	--	--	NA	NA	NA	NA	NA	970.73	NA
Temperature	deg-C	--	--	NA	NA	NA	NA	NA	20.59	NA
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	<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	<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	<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	<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	<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	<0.024
1,1-Dichloropropene	µg/L	--	--	<0.080 U	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.074	<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	<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	<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	<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	<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	<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	<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	<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	0.040
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	<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	<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	<0.013
1,3-Dichloropropane	µg/L	--	--	<0.040 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.020	<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	<0.017
1,4-Dioxane	µg/L	3.	0.3	NA	NA	<7.0 U	<0.40 U	<0.40 U	<0.40	<0.40
2,2-Dichloropropane	µg/L	--	--	<0.022 U	<0.04 U	<0.050 U	<0.050 U	<0.050 U	<0.075	<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	<0.31
2-Chlorotoluene	µg/L	--	--	<0.025 U	<0.06 U	<0.030 U	<0.030 U	<0.030 U	<0.020	<0.020
2-Hexanone	µg/L	--	--	<0.40 U	<0.4 U	<0.24 U	<0.24 U	<0.24 U	<0.15	<0.15
4-Chlorotoluene	µg/L	--	--	<0.029 U	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<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	<0.19
Acetone	µg/L	9000.	1800.	<1.3 UZ	<0.9 U	<0.30 U	0.44 JB	<0.30 U	<0.84	<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	<0.022
Bromobenzene	µg/L	--	--	<0.030 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.018	<0.018
Bromochloromethane	µg/L	--	--	<0.090 U	<0.017 U	<0.030 U	<0.030 UQ	<0.030 U	<0.034	<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	<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	<0.041
Bromomethane	µg/L	10.	1.	<0.070 U	<0.09 U	<0.080 U	<0.080 UZ	<0.080 UY	<0.052	<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	<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	<0.018
Chlorobenzene	µg/L	--	--	<0.024 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.013
Chloroethane	µg/L	400.	80.	<0.040 U	<0.06 U	<0.070 U	<0.070 U	<0.070 U	<0.40	<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	<0.016
Chloromethane	µg/L	30.	3.	0.054 JB	<0.05 U	0.042 J	<0.040 U	0.086 J	<0.045	0.12
cis-1,2-Dichloroethene	µg/L	70.	7.	1.3	1.8	1.4	2.	1.3	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	<0.014
Dibromochloromethane	µg/L	60.	6.	<0.040 U	<0.016 U	<0.030 U	<0.030 U	<0.030 U	<0.016	<0.016
Dibromomethane	µg/L	--	--	<0.040 U	<0.06 U	<0.050 U	<0.050 U	<0.050 U	<0.018	<0.018
Dichlorodifluoromethane	µg/L	1000.	200.	<0.11 U	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.091	<0.091
Diisopropyl ether	µg/L	--	--	<0.021 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.02	<0.02
Ethylbenzene	µg/L	700.	140.	<0.019 U	<0.06 U	<0.040 U	<0.040 U	<0.040 U	<0.014	<0.014
Hexachlorobutadiene	µg/L	--	--	<0.070 U	<0.07 U	<0.050 U	<0.050 U	<0.050 U	<0.027	<0.027
Isopropylbenzene	µg/L	--	--	<0.060 U	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.014	<0.020
m & p-Xylene	µg/L	2000.	400.	<0.050 U	<0.12 U	<0.070 U	<0.070 U	<0.070 U	<0.022	<0.030
Methyl tert-butyl ether	µg/L	60.	12.	0.57	0.6	0.6	0.64	0.52	0.7	0.59
Methylene chloride	µg/L	5.	0.5	<0.15 U	<0.06 U	<0.050 U	<0.050 U	<0.050 U	<0.090	<0.090
n-Butylbenzene	µg/L	--	--	<0.021 U	<0.05 U	<0.030 U	<0.030 U	<0.030 U	<0.021	<0.021
n-Propylbenzene	µg/L	--	--	<0.022 U	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.020
Naphthalene	µg/L	100.	10.	<0.040 U	<0.05 U	<0.030 U	<0.030 U	<0.030 U	<0.025	<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	<0.016
p-Isopropyltoluene	µg/L	--	--	<0.030 U	<0.06 U	<0.040 U	<0.040 U	<0.040 U	<0.016	<0.016
sec-Butylbenzene	µg/L	--	--	<0.024 U	<0.05 U	<0.050 U	<0.050 U	<0.050 U	<0.012	<0.021
Styrene	µg/L	100.	10.	<0.020 U	<0.05 U	0.11 J	<0.030 U	<0.030 U	<0.014	<0.014
tert-Butylbenzene	µg/L	--	--	<0.025 U	<0.06 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.020
Tetrachloroethene	µg/L	5.	0.05	<0.030 U	<0.06 U	<0.050 U	<0.050 U	<0.050 U	<0.028	<0.028
Tetrahydrofuran	µg/L	50.	10.	<0.70 U	<0.6 U	<0.40 U	<0.40 U	<0.40 U	<0.38	<0.38
Toluene	µg/L	800.	160.	<0.027 U	<0.06 U	<0.040 U	<0.040 U	<0.040 U	<0.014	<0.020
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	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	<0.020
Trichloroethene	µg/L	5.	0.5	0.62	0.69	0.62	0.64	0.38	0.51	0.63
Trichlorofluoromethane	µg/L	--	--	<0.024 U	<0.05 U	<0.090 U	<0.090 U	<0.090 U	<0.033	<0.033
Vinyl acetate	µg/L	--	--	<0.60 U	<0.5 U	<0.22 U	<0.22 U	<0.22 U	<0.14	<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	<0.019

-- = No standard NA = Not analyzed
J = Estimated value NS = Not sampled
B = Analyte detected in the associated Method Blank
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	NR140 ES	NR140 PAL	Date Sampled: 11/3/15 PW-04	11/1/16 PW-04	11/28/17 PW-04	11/12/18 PW-05	12/1/21 PW-05	11/17/22 PW-05
pH	pH-units	--	--	NA	NA	NA	NA	8.41	NA
Specific Conductivity	umhos/cm	--	--	NA	NA	NA	NA	1189	NA
Temperature	deg-C	--	--	NA	NA	NA	NA	20.46	NA
VOCs									
1,1,1,2-Tetrachloroethane	µg/L	70.	7.	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.013
1,1,1-Trichloroethane	µg/L	200.	40.	<0.06 U	<0.050 U	<0.050 U	<0.050 U	<0.013	<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	<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	<0.036
1,1-Dichloroethane	µg/L	850.	85.	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.036	<0.017
1,1-Dichloroethene	µg/L	7.	0.7	<0.07 U	<0.060 U	<0.060 U	<0.060 U	<0.024	<0.024
1,1-Dichloropropene	µg/L	--	--	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.074	<0.074
1,2,3-Trichlorobenzene	µg/L	--	--	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.019	<0.019
1,2,3-Trichloropropane	µg/L	60.	12.	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.031	<0.031
1,2,4-Trichlorobenzene	µg/L	70.	14.	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.022	<0.022
1,2,4-Trimethylbenzene	µg/L	480.	96.	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.011	<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	<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	<0.029
1,2-Dichlorobenzene	µg/L	600.	60.	<0.06 U	<0.040 U	<0.040 U	<0.040 U	<0.016	<0.016
1,2-Dichloroethane	µg/L	5.	0.5	<0.04 U	<0.050 U	<0.050 U	<0.050 U	0.035	<0.017
1,2-Dichloropropane	µg/L	5.	0.5	<0.06 U	<0.070 U	<0.070 U	<0.070 U	<0.013	<0.013
1,3,5-Trimethylbenzene	µg/L	480.	96.	<0.06 U	<0.050 U	<0.050 U	<0.050 U	<0.013	<0.013
1,3-Dichlorobenzene	µg/L	600.	120.	<0.06 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.013
1,3-Dichloropropane	µg/L	--	--	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.020	<0.020
1,4-Dichlorobenzene	µg/L	75.	15.	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.017	<0.017
1,4-Dioxane	µg/L	3.	0.3	NA	<7.0 U	<0.40 U	<0.40 U	<0.40	<0.40
2,2-Dichloropropane	µg/L	--	--	<0.04 U	<0.050 U	<0.050 U	<0.050 U	<0.075	<0.075
2-Butanone (MEK)	µg/L	4000.	800.	<0.8 U	<0.50 U	<0.50 U	<0.50 U	<0.31	<0.31
2-Chlorotoluene	µg/L	--	--	<0.06 U	<0.030 U	<0.030 U	<0.030 U	<0.020	<0.020
2-Hexanone	µg/L	--	--	<0.4 U	<0.24 U	<0.24 U	<0.24 U	<0.15	<0.15
4-Chlorotoluene	µg/L	--	--	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<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	<0.19
Acetone	µg/L	9000.	1800.	<0.9 U	<0.30 U	0.35 JB	<0.30 U	<0.84	<0.84
Benzene	µg/L	5.	0.5	<0.06 U	<0.018 U	<0.018 U	<0.018 U	<0.022	<0.022
Bromobenzene	µg/L	--	--	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.018	<0.018
Bromochloromethane	µg/L	--	--	<0.017 U	<0.030 U	<0.030 UQ	<0.030 U	<0.034	<0.034
Bromodichloromethane	µg/L	0.6	0.06	<0.017 U	<0.016 U	<0.016 U	<0.016 U	<0.019	<0.019
Bromoform	µg/L	4.4	0.44	<0.018 U	<0.040 U	<0.040 U	<0.040 U	<0.041	<0.041
Bromomethane	µg/L	10.	1.	<0.09 U	<0.080 UZ	<0.080 UZ	<0.080 UY	<0.052	<0.052
Carbon disulfide	µg/L	1000.	200.	<0.11 U	<0.070 U	<0.070 U	<0.070 U	<0.11	<0.11
Carbon tetrachloride	µg/L	5.	0.05	<0.06 U	<0.050 U	<0.050 U	<0.050 U	<0.018	<0.018
Chlorobenzene	µg/L	--	--	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.013
Chloroethane	µg/L	400.	80.	<0.06 U	<0.070 U	<0.070 U	<0.070 U	<0.40	<0.40
Chloroform	µg/L	6.	0.6	<0.06 U	<0.030 U	<0.030 U	<0.030 U	<0.016	<0.016
Chloromethane	µg/L	30.	3.	<0.05 U	<0.040 U	<0.040 U	0.041 J	<0.045	0.1
cis-1,2-Dichloroethene	µg/L	70.	7.	1.2	1.4	1.8	1.4	1.9	1.2
cis-1,3-Dichloropropene	µg/L	0.4	0.04	<0.015 U	<0.011 U	<0.011 U	<0.011 U	<0.014	<0.014
Dibromochloromethane	µg/L	60.	6.	<0.016 U	<0.030 U	<0.030 U	<0.030 U	<0.016	<0.016
Dibromomethane	µg/L	--	--	<0.06 U	<0.050 U	<0.050 U	<0.050 U	<0.018	<0.018
Dichlorodifluoromethane	µg/L	1000.	200.	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.091	<0.091
Diisopropyl ether	µg/L	--	--	<0.04 U	0.044 J	0.05 J	0.28	0.3	0.21
Ethylbenzene	µg/L	700.	140.	<0.06 U	<0.040 U	<0.040 U	<0.040 U	<0.014	<0.014
Hexachlorobutadiene	µg/L	--	--	<0.07 U	<0.050 U	<0.050 U	<0.050 U	<0.027	<0.027
Isopropylbenzene	µg/L	--	--	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.014	<0.020
m & p-Xylene	µg/L	2000.	400.	<0.12 U	<0.070 U	<0.070 U	<0.070 U	<0.022	<0.030
Methyl tert-butyl ether	µg/L	60.	12.	0.48	0.55	0.57	0.69	0.71	0.52
Methylene chloride	µg/L	5.	0.5	<0.06 U	<0.050 U	<0.050 U	<0.050 UYQ	<0.090	<0.090
n-Butylbenzene	µg/L	--	--	<0.05 U	<0.030 U	<0.030 U	<0.030 U	<0.021	<0.021
n-Propylbenzene	µg/L	--	--	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.020
Naphthalene	µg/L	100.	10.	<0.05 U	<0.030 U	<0.030 U	<0.030 U	<0.025	<0.025
o-Xylene	µg/L	2000.	400.	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.016	<0.016
p-Isopropyltoluene	µg/L	--	--	<0.06 U	<0.040 U	<0.040 U	<0.040 U	<0.016	<0.016
sec-Butylbenzene	µg/L	--	--	<0.05 U	<0.050 U	<0.050 U	<0.050 U	<0.012	<0.021
Styrene	µg/L	100.	10.	<0.05 U	<0.030 U	<0.030 U	<0.030 U	<0.014	<0.014
tert-Butylbenzene	µg/L	--	--	<0.06 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.020
Tetrachloroethene	µg/L	5.	0.05	<0.06 U	<0.050 U	<0.050 U	<0.050 U	<0.028	<0.028
Tetrahydrofuran	µg/L	50.	10.	<0.6 U	<0.40 U	<0.40 U	<0.40 U	<0.38	<0.38
Toluene	µg/L	800.	160.	<0.06 U	<0.040 U	0.069 J	<0.040 U	<0.014	<0.020
trans-1,2-Dichloroethene	µg/L	100.	20.	0.066 J	0.077 J	0.077 J	0.073 J	0.084	0.055
trans-1,3-Dichloropropene	µg/L	0.4	0.04	<0.014 U	<0.019 U	<0.019 U	<0.019 U	<0.020	<0.020
Trichloroethene	µg/L	5.	0.5	0.086 J	0.089 J	0.097 J	0.12 J	0.097	0.095
Trichlorofluoromethane	µg/L	--	--	<0.05 U	<0.090 U	<0.090 U	<0.090 U	<0.033	<0.033
Vinyl acetate	µg/L	--	--	<0.5 U	<0.22 U	2.5	<0.22 U	0.41	0.31
Vinyl chloride	µg/L	0.2	0.02	<0.016 U	<0.019 U	<0.019 U	<0.019 U	<0.019	<0.019

-- = No standard NA = Not analyzed
J = Estimated value NS = Not sampled
B = Analyte detected in the associated Method Blank
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	12/9/14 PW-07	11/5/15 PW-07	10/31/16 PW-07	11/28/17 PW-07	11/16/18 PW-07	12/1/21 PW-07	11/17/22 PW-07
pH	pH-units	--	--	NA	NA	NA	NA	NA	7.81	NA
Specific Conductivity	umhos/cm	--	--	NA	NA	NA	NA	NA	1032.6	NA
Temperature	deg-C	--	--	NA	NA	NA	NA	NA	10.42	NA
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	<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 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 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 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 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 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 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 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 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 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 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 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 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 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	0.035 J	0.048
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	<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 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 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 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 U	<0.017
1,4-Dioxane	µg/L	3.	0.3	NA	NA	<7.0 U	<0.40 U	<0.40 U	0.46 J	<0.40
2,2-Dichloropropane	µg/L	--	--	<0.022 U	<0.04 U	<0.050 U	<0.050 U	<0.050 U	<0.075 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 U	<0.31
2-Chlorotoluene	µg/L	--	--	<0.025 U	<0.06 U	<0.030 U	<0.030 U	<0.030 U	<0.020 U	<0.020
2-Hexanone	µg/L	--	--	<0.40 U	<0.4 U	<0.24 U	<0.24 U	<0.24 U	<0.15 U	<0.15
4-Chlorotoluene	µg/L	--	--	<0.029 U	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.013 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 U	<0.19
Acetone	µg/L	9000.	1800.	<1.3 UZ	<0.9 U	<0.30 U	0.37 JB	0.44 JB	<0.084 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 U	<0.022
Bromobenzene	µg/L	--	--	<0.030 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.018 U	<0.018
Bromochloromethane	µg/L	--	--	<0.090 U	<0.017 U	<0.030 U	<0.030 UQ	<0.030 U	<0.034 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 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 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 U	<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 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 U	<0.018
Chlorobenzene	µg/L	--	--	<0.024 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.013 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 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 U	<0.016
Chloromethane	µg/L	30.	3.	0.056 JB	<0.05 U	<0.040 U	<0.040 U	0.051 J	<0.045 U	0.11
cis-1,2-Dichloroethene	µg/L	70.	7.	0.34	3.	4.3	4.9	4.4	5.4	6.9
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	<0.014
Dibromochloromethane	µg/L	60.	6.	<0.040 U	<0.016 U	<0.030 U	<0.030 U	<0.030 U	<0.016 U	<0.016
Dibromomethane	µg/L	--	--	<0.040 U	<0.06 U	<0.050 U	<0.050 U	<0.050 U	<0.018 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 U	<0.091
Diisopropyl ether	µg/L	--	--	<0.021 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.02 U	0.024
Ethylbenzene	µg/L	700.	140.	<0.019 U	<0.06 U	<0.040 U	<0.040 U	<0.040 U	<0.014 U	<0.014
Hexachlorobutadiene	µg/L	--	--	<0.070 U	<0.07 U	<0.050 U	<0.050 U	<0.050 U	<0.027 U	<0.027
Isopropylbenzene	µg/L	--	--	<0.060 U	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.014 U	<0.020
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	<0.030
Methyl tert-butyl ether	µg/L	60.	12.	0.33	0.5	0.63	0.56	0.71	0.67	0.65
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	<0.090
n-Butylbenzene	µg/L	--	--	<0.021 U	<0.05 U	<0.030 U	<0.030 U	<0.030 U	<0.021 U	<0.021
n-Propylbenzene	µg/L	--	--	<0.022 U	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.013 U	<0.020
Naphthalene	µg/L	100.	10.	<0.040 U	<0.05 U	<0.030 U	<0.030 U	<0.030 U	<0.025 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 U	<0.016
p-Isopropyltoluene	µg/L	--	--	<0.030 U	<0.06 U	<0.040 U	<0.040 U	<0.040 U	<0.016 U	<0.016
sec-Butylbenzene	µg/L	--	--	<0.024 U	<0.05 U	<0.050 U	<0.050 U	<0.050 U	<0.012 U	<0.021
Styrene	µg/L	100.	10.	<0.020 U	<0.05 U	<0.030 U	<0.030 U	<0.030 U	<0.014 U	<0.014
tert-Butylbenzene	µg/L	--	--	<0.025 U	<0.06 U	<0.040 U	<0.040 U	<0.040 U	<0.013 U	<0.020
Tetrachloroethene	µg/L	5.	0.05	<0.030 U	<0.06 U	<0.050 U	<0.050 U	<0.050 U	<0.028 U	<0.028
Tetrahydrofuran	µg/L	50.	10.	<0.70 U	<0.6 U	0.44 J	<0.40 U	<0.40 U	<0.38 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 U	<0.020
trans-1,2-Dichloroethene	µg/L	100.	20.	<0.040 U	0.13 J	0.17	0.22	0.21	0.21	0.28
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	<0.020
Trichloroethene	µg/L	5.	0.5	<0.020 U	0.031 J	<0.050 U	<0.050 U	<0.050 U	0.039 J	0.064
Trichlorofluoromethane	µg/L	--	--	<0.024 U	<0.05 U	<0.090 U	<0.090 U	<0.090 U	<0.033 U	<0.033
Vinyl acetate	µg/L	--	--	<0.60 U	<0.5 U	<0.22 U	<0.22 U	<0.22 U	<0.14 U	<0.14
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	0.044

-- = No standard NA = Not analyzed
J = Estimated value NS = Not sampled
B = Analyte detected in the associated Method Blank
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

		Date Sampled:		12/9/14	11/5/15	10/31/16	11/29/17	11/16/18	12/1/21	11/17/22
Field Parameters	Units	NR140 ES	NR140 PAL	PW-08	PW-08	PW-08	PW-08	PW-08	PW-08	PW-08
pH	pH-units	--	--	NA	NA	NA	NA	NA	7.78	NA
Specific Conductivity	umhos/cm	--	--	NA	NA	NA	NA	NA	1018.7	NA
Temperature	deg-C	--	--	NA	NA	NA	NA	NA	10.55	NA
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	<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	<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	<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	<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	<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	<0.024
1,1-Dichloropropene	µg/L	--	--	<0.080 U	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.074	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<0.013
1,3-Dichloropropane	µg/L	--	--	<0.040 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.020	<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	<0.017
1,4-Dioxane	µg/L	3.	0.3	NA	NA	<7.0 UM	<0.40 U	<0.40 U	0.44 J	<0.40
2,2-Dichloropropane	µg/L	--	--	<0.022 U	<0.04 U	<0.050 U	<0.050 U	<0.050 U	<0.075	<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	<0.31
2-Chlorotoluene	µg/L	--	--	<0.025 U	<0.06 U	<0.030 U	<0.030 U	<0.030 U	<0.020	0.023
2-Hexanone	µg/L	--	--	<0.40 U	<0.4 U	<0.24 U	<0.24 U	<0.24 U	<0.15	<0.15
4-Chlorotoluene	µg/L	--	--	<0.029 U	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<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	<0.19
Acetone	µg/L	9000.	1800.	<1.3 UZ	<0.9 U	<0.30 U	0.52 JB	0.43 JB	<0.84	<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	<0.022
Bromobenzene	µg/L	--	--	<0.030 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.018	<0.018
Bromochloromethane	µg/L	--	--	<0.090 U	<0.017 U	<0.030 U	<0.030 U	<0.030 U	<0.034	<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	<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	<0.041
Bromomethane	µg/L	10.	1.	<0.070 U	<0.09 U	<0.080 UZ	<0.080 U	<0.080 UQY	<0.052	<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	<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	<0.018
Chlorobenzene	µg/L	--	--	<0.024 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.013
Chloroethane	µg/L	400.	80.	<0.040 U	<0.06 U	<0.070 U	<0.070 U	<0.070 U	<0.40	<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	0.038
Chloromethane	µg/L	30.	3.	0.06 JB	<0.05 U	<0.040 U	<0.040 U	0.072 J	<0.045	0.13
cis-1,2-Dichloroethene	µg/L	70.	7.	2.2	2.3	2.3	3.	2.6	3.1	2.6
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	<0.014
Dibromochloromethane	µg/L	60.	6.	<0.040 U	<0.016 U	<0.030 U	<0.030 U	<0.030 U	<0.016	<0.016
Dibromomethane	µg/L	--	--	<0.040 U	<0.06 U	<0.050 U	<0.050 U	<0.050 U	<0.018	<0.018
Dichlorodifluoromethane	µg/L	1000.	200.	<0.11 U	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.091	<0.091
Diisopropyl ether	µg/L	--	--	<0.021 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	0.052	0.059
Ethylbenzene	µg/L	700.	140.	<0.019 U	<0.06 U	<0.040 U	<0.040 U	<0.040 U	<0.014	<0.014
Hexachlorobutadiene	µg/L	--	--	<0.070 U	<0.07 U	<0.050 U	<0.050 U	<0.050 U	<0.027	<0.027
Isopropylbenzene	µg/L	--	--	<0.060 U	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.014	<0.020
m & p-Xylene	µg/L	2000.	400.	<0.050 U	<0.12 U	<0.070 U	<0.070 U	<0.070 U	<0.022	<0.030
Methyl tert-butyl ether	µg/L	60.	12.	0.57	0.57	0.67	0.65	0.72	0.8	0.71
Methylene chloride	µg/L	5.	0.5	<0.15 U	<0.06 U	<0.050 U	<0.050 U	<0.050 UQZ	<0.090	<0.090
n-Butylbenzene	µg/L	--	--	<0.021 U	<0.05 U	<0.030 U	<0.030 U	<0.030 U	<0.021	<0.021
n-Propylbenzene	µg/L	--	--	<0.022 U	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.020
Naphthalene	µg/L	100.	10.	<0.040 U	<0.05 U	<0.030 U	<0.030 U	<0.030 U	<0.025	<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	<0.016
p-Isopropyltoluene	µg/L	--	--	<0.030 U	<0.06 U	<0.040 U	<0.040 U	<0.040 U	<0.016	<0.016
sec-Butylbenzene	µg/L	--	--	<0.024 U	<0.05 U	<0.050 U	<0.050 U	<0.050 U	<0.012	<0.021
Styrene	µg/L	100.	10.	<0.020 U	<0.05 U	<0.030 U	<0.030 U	<0.030 U	<0.014	<0.014
tert-Butylbenzene	µg/L	--	--	<0.025 U	<0.06 U	<0.040 U	<0.040 U	<0.040 U	<0.013	<0.020
Tetrachloroethene	µg/L	5.	0.05	<0.030 U	<0.06 U	<0.050 U	<0.050 U	<0.050 U	<0.028	<0.028
Tetrahydrofuran	µg/L	50.	10.	<0.70 U	<0.6 U	<0.40 U	<0.40 U	<0.40 U	<0.38	<0.38
Toluene	µg/L	800.	160.	<0.027 U	<0.06 U	<0.040 U	<0.040 U	<0.040 U	<0.014	5.8
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	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	<0.020
Trichloroethene	µg/L	5.	0.5	0.083	0.069 J	0.11 J	0.1 J	0.089 J	0.074	0.052
Trichlorofluoromethane	µg/L	--	--	<0.024 U	<0.05 U	<0.090 U	<0.090 U	<0.090 U	<0.033	<0.033
Vinyl acetate	µg/L	--	--	<0.60 U	<0.5 U	<0.22 U	<0.22 U	<0.22 U	<0.14	<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	0.039

-- = No standard NA = Not analyzed
J = Estimated value NS = Not sampled
B = Analyte detected in the associated Method Blank
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

		Date Sampled:		12/9/14	11/3/15	11/2/16	11/28/17	11/28/17	11/19/18	12/1/21	11/17/22
Field Parameters	Units	NR140 ES	NR140 PAL	PW-09	PW-09	PW-09	PW-09	PW-09 Dup	PW-09	PW-09	PW-09
pH	pH-units	--	--	NA	NA	NA	NA	NA	NA	7.78	NA
Specific Conductivity	umhos/cm	--	--	NA	NA	NA	NA	NA	NA	998.19	NA
Temperature	deg-C	--	--	NA	NA	NA	NA	NA	NA	10.81	NA
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	<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	<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	<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	<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	<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	<0.060 U	<0.024	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<0.070 U	<0.013	<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	<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	<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	<0.020
1,4-Dichlorobenzene	µg/L	75.	15.	<0.026 U	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.017	<0.017
1,4-Dioxane	µg/L	3.	0.3	NA	NA	<7.0 U	<0.40 U	<0.40 U	<0.40 U	<0.40	<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	<0.075
2-Butanone (MEK)	µg/L	4000.	800.	<0.80 U	<0.8 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.31	<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	<0.020
2-Hexanone	µg/L	--	--	<0.40 U	<0.4 U	<0.24 U	<0.24 U	<0.24 U	<0.24 U	<0.15	<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	<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	<0.24 U	<0.19	<0.19
Acetone	µg/L	9000.	1800.	<1.3 UZ	<0.9 U	<0.30 U	0.38 JB	<0.30 U	0.45 JB	<0.84	<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	<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	<0.018
Bromochloromethane	µg/L	--	--	<0.090 U	<0.017 U	<0.030 U	<0.030 UQ	<0.030 UQ	<0.030 U	<0.034	<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	<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	<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	<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	<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	<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	<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	<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	<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	0.11
cis-1,2-Dichloroethene	µg/L	70.	7.	5.6	6.	5.3	7.3	7.	5.2	7.	7.4
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	<0.011 U	<0.014	<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	<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	<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	<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	0.023
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	<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	<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	<0.020
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	<0.030
Methyl tert-butyl ether	µg/L	60.	12.	0.63	0.62	0.65	0.66	0.67	0.72	0.8	0.60
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	<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	<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	<0.020
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	<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	<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	<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	<0.021
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	<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	<0.020
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	<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	<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	<0.020
trans-1,2-Dichloroethene	µg/L	100.	20.	0.23	0.26	0.22	0.32	0.31	0.25	0.27	0.29
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	<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	0.086
Trichlorofluoromethane	µg/L	--	--	<0.024 U	<0.05 U	<0.090 U	<0.090 U	<0.090 U	<0.090 U	<0.033	<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	<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	0.046

-- = No standard
NA = Not analyzed
J = Estimated value
NS = Not sampled
B = Analyte detected in the associated Method Blank
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

		Date Sampled:		12/9/14	11/5/15	10/31/16	11/28/17	11/16/18	12/1/21	11/16/22
Field Parameters	Units	NR140 ES	NR140 PAL	PW-10	PW-10	PW-10	PW-10	PW-10	PW-10	PW-10
pH	pH-units	--	--	NA	NA	NA	NA	NA	7.67	NS
Specific Conductivity	umhos/cm	--	--	NA	NA	NA	NA	NA	1218.4	NS
Temperature	deg-C	--	--	NA	NA	NA	NA	NA	11.14	NS
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	NS
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	NS
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	NS
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	NS
1,1-Dichloroethane	µg/L	850.	85.	<0.024 U	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.017	NS
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	NS
1,1-Dichloropropene	µg/L	--	--	<0.080 U	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.074	NS
1,2,3-Trichlorobenzene	µg/L	--	--	<0.040 U	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.019	NS
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	NS
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	NS
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	NS
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	NS
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	NS
1,2-Dichlorobenzene	µg/L	600.	60.	<0.025 U	<0.06 U	<0.040 U	<0.040 U	<0.040 U	<0.016	NS
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	NS
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	NS
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	NS
1,3-Dichlorobenzene	µg/L	600.	120.	<0.021 U	<0.06 U	<0.040 U	<0.040 U	<0.040 U	<0.013	NS
1,3-Dichloropropane	µg/L	--	--	<0.040 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.020	NS
1,4-Dichlorobenzene	µg/L	75.	15.	<0.026 U	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.017	NS
1,4-Dioxane	µg/L	3.	0.3	NA	NA	<7.0 U	<0.40 U	<0.40 U	0.40 J	NS
2,2-Dichloropropane	µg/L	--	--	<0.022 U	<0.04 U	<0.050 U	<0.050 U	<0.050 U	<0.075	NS
2-Butanone (MEK)	µg/L	4000.	800.	<0.80 U	<0.8 U	<0.50 U	<0.50 U	<0.50 U	<0.31	NS
2-Chlorotoluene	µg/L	--	--	<0.025 U	<0.06 U	<0.030 U	<0.030 U	<0.030 U	<0.020	NS
2-Hexanone	µg/L	--	--	<0.40 U	<0.4 U	<0.24 U	<0.24 U	<0.24 U	<0.15	NS
4-Chlorotoluene	µg/L	--	--	<0.029 U	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.013	NS
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	NS
Acetone	µg/L	9000.	1800.	<1.3 UZ	<0.9 U	<0.30 U	<0.30 U	0.46 JB	<0.84	NS
Benzene	µg/L	5.	0.5	<0.019 U	<0.06 U	<0.018 U	<0.018 U	<0.018 U	<0.022	NS
Bromobenzene	µg/L	--	--	<0.030 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.018	NS
Bromochloromethane	µg/L	--	--	<0.090 U	<0.017 U	<0.030 U	<0.030 UQ	<0.030 U	<0.034	NS
Bromodichloromethane	µg/L	0.6	0.06	<0.018 U	<0.017 U	<0.016 U	<0.016 U	<0.016 U	<0.019	NS
Bromoform	µg/L	4.4	0.44	<0.060 U	<0.018 U	<0.040 U	<0.040 U	<0.040 U	<0.041	NS
Bromomethane	µg/L	10.	1.	<0.070 U	<0.09 U	<0.080 UZ	<0.080 UZ	<0.080 UQY	<0.052	NS
Carbon disulfide	µg/L	1000.	200.	<0.080 U	<0.11 U	<0.070 U	<0.070 U	<0.070 U	<0.11	NS
Carbon tetrachloride	µg/L	5.	0.05	<0.029 U	<0.06 U	<0.050 U	<0.050 U	<0.050 U	<0.018	NS
Chlorobenzene	µg/L	--	--	<0.024 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	<0.013	NS
Chloroethane	µg/L	400.	80.	<0.040 U	<0.06 U	<0.070 U	<0.070 U	<0.070 U	<0.40	NS
Chloroform	µg/L	6.	0.6	<0.030 U	<0.06 U	<0.030 U	<0.030 U	<0.030 U	<0.016	NS
Chloromethane	µg/L	30.	3.	0.046 JB	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.045	NS
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	NS
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	NS
Dibromochloromethane	µg/L	60.	6.	<0.040 U	<0.016 U	<0.030 U	<0.030 U	<0.030 U	<0.016	NS
Dibromomethane	µg/L	--	--	<0.040 U	<0.06 U	<0.050 U	<0.050 U	<0.050 U	<0.018	NS
Dichlorodifluoromethane	µg/L	1000.	200.	<0.11 U	<0.06 U	<0.060 U	<0.060 U	<0.060 U	<0.091	NS
Diisopropyl ether	µg/L	--	--	<0.021 U	<0.04 U	<0.040 U	<0.040 U	<0.040 U	0.032	NS
Ethylbenzene	µg/L	700.	140.	<0.019 U	<0.06 U	<0.040 U	<0.040 U	<0.040 U	<0.014	NS
Hexachlorobutadiene	µg/L	--	--	<0.070 U	<0.07 U	<0.050 U	<0.050 U	<0.050 U	<0.027	NS
Isopropylbenzene	µg/L	--	--	<0.060 U	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.014	NS
m & p-Xylene	µg/L	2000.	400.	<0.050 U	<0.12 U	<0.070 U	<0.070 U	<0.070 U	<0.022	NS
Methyl tert-butyl ether	µg/L	60.	12.	0.39	0.43	0.48	0.51	0.54	0.58	NS
Methylene chloride	µg/L	5.	0.5	<0.15 U	<0.06 U	<0.050 U	<0.050 U	<0.050 UQZ	<0.090	NS
n-Butylbenzene	µg/L	--	--	<0.021 U	<0.05 U	<0.030 U	<0.030 U	<0.030 U	<0.021	NS
n-Propylbenzene	µg/L	--	--	<0.022 U	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.013	NS
Naphthalene	µg/L	100.	10.	<0.040 U	<0.05 U	<0.030 U	<0.030 U	<0.030 U	<0.025	NS
o-Xylene	µg/L	2000.	400.	<0.027 U	<0.05 U	<0.040 U	<0.040 U	<0.040 U	<0.016	NS
p-Isopropyltoluene	µg/L	--	--	<0.030 U	<0.06 U	<0.040 U	<0.040 U	<0.040 U	<0.016	NS
sec-Butylbenzene	µg/L	--	--	<0.024 U	<0.05 U	<0.050 U	<0.050 U	<0.050 U	<0.012	NS
Styrene	µg/L	100.	10.	<0.020 U	<0.05 U	<0.030 U	<0.030 U	<0.030 U	<0.014	NS
tert-Butylbenzene	µg/L	--	--	<0.025 U	<0.06 U	<0.040 U	<0.040 U	<0.040 U	<0.013	NS
Tetrachloroethene	µg/L	5.	0.05	<0.030 U	<0.06 U	<0.050 U	<0.050 U	<0.050 U	<0.028	NS
Tetrahydrofuran	µg/L	50.	10.	<0.70 U	<0.6 U	<0.40 U	<0.40 U	<0.40 U	<0.38	NS
Toluene	µg/L	800.	160.	<0.027 U	<0.06 U	<0.040 U	<0.040 U	<0.040 U	<0.014	NS
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	NS
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	NS
Trichloroethene	µg/L	5.	0.5	<0.020 U	<0.03 U	<0.050 U	<0.050 U	<0.050 U	<0.022	NS
Trichlorofluoromethane	µg/L	--	--	<0.024 U	<0.05 U	<0.090 U	<0.090 U	<0.090 U	<0.033	NS
Vinyl acetate	µg/L	--	--	<0.60 U	<0.5 U	<0.22 U	<0.22 U	<0.22 U	<0.14	NS
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	NS

-- = No standard NA = Not analyzed
J = Estimated value NS = Not sampled
B = Analyte detected in the associated Method Blank
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 2022 Sampling Events
OECI 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	Nov. 2022 Sampling Event
MW-1S	WT	4.	8.	- 2.	4.	1.	1.	8.
MW-1D	BR	14.	11.	14.	14.	14.	13.	13.
MW-2D	BR	0.	8.	- 1.	13.	15.	5.	7.
MW-3D	BR	8.	9.	- 1.	7.	9.	4.	5.
MW-4S	WT	3.	6.	3.	3.	1.	0.	0.
MW-5D	MID	10.	10.	11.	11.	12.	7.	12.
MW-9S	WT	4.	6.	4.	4.	1.	0.	5.
MW-12S	WT	8.	8.	1.	8.	5.	8.	5.
MW-12D	MID	12.	12.	10.	13.	10.	11.	5.
MW-12B	BR	-3.	0.	1.	7.	8.	3.	1.
MW-13S	WT	-1.	3.	-1.	6.	0.	2.	0.
MW-13D	MID	10.	10.	5.	10.	5.	9.	11.
MW-15S	WT	-1.	4.	-1.	1.	0.	0.	5.
MW-15D	MID	6.	5.	5.	6.	3.	6.	5.
MW-15B	BR	10.	12.	5.	10.	13.	11.	14.
MW-16S	WT	7.	12.	12.	11.	9.	7.	14.
MW-101S	WT	-3.	2.	-3.	3.	2.	-1.	2.
MW-101B	BR	7.	7.	5.	9.	4.	- 1.	4.
MW-102S	WT	-3.	-3.	-3.	3.	-2.	-1.	0.
MW-102D	MID	8.	13.	4.	9.	9.	7.	5.
MW-103S	WT	7.	5.	1.	10.	3.	8.	1.
MW-103D	MID	7.	9.	4.	6.	3.	9.	5.
MW-105S	WT	13.	13.	10.	14.	13.	13.	10.
MW-105D	MID	13.	13.	10.	11.	13.	9.	11.
MW-105B	BR	4.	8.	2.	13.	10.	13.	11.
TW-202I	MID	2.	- 1.	5.	6.	3.	1.	5.
OW-6	BR	10.	1.	5.	12.	7.	0.	5.
MW-14DR	MID	5.	- 3.	0.	8.	3.	- 1.	5.

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

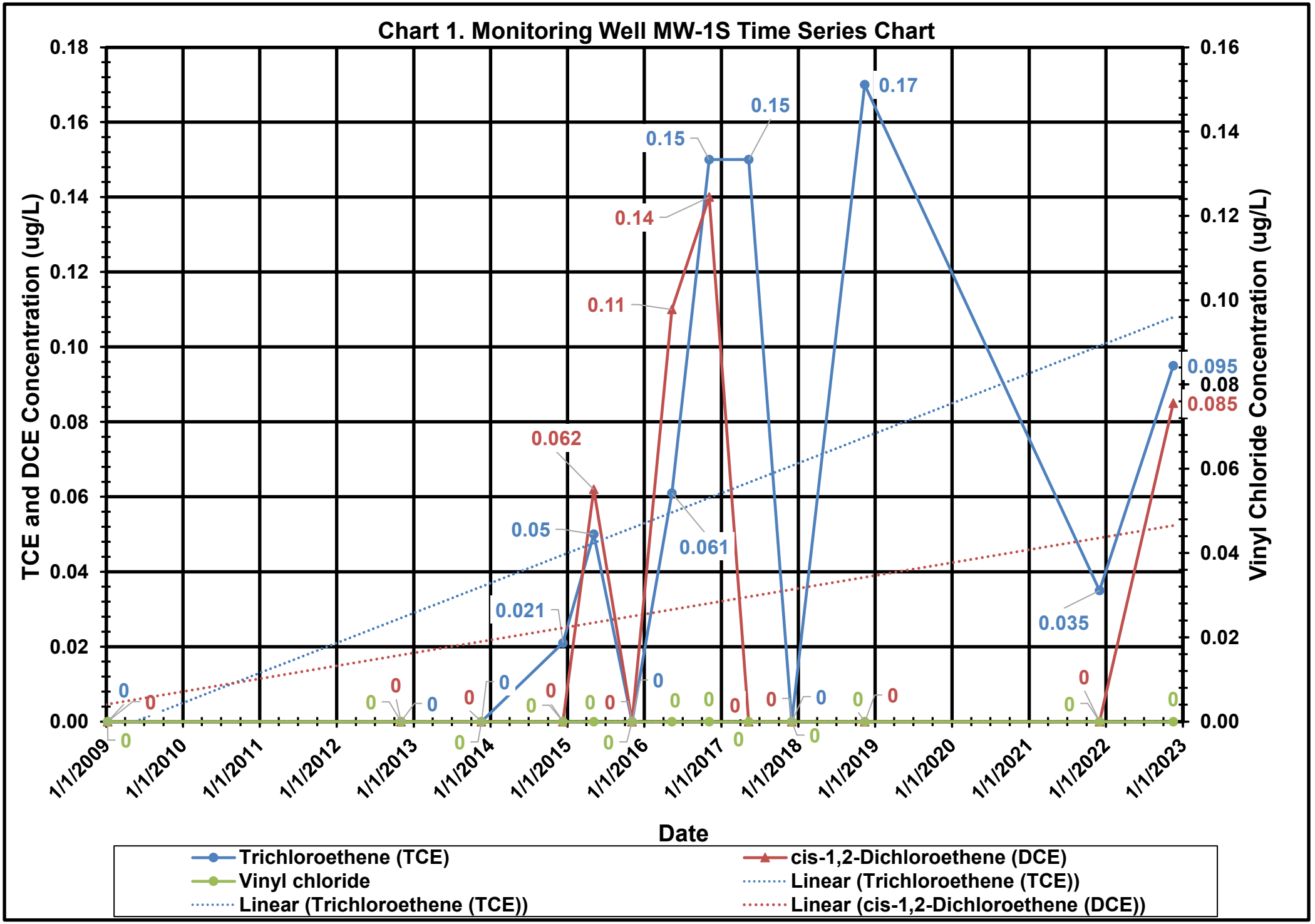
MID = Mid-depth unconsolidated deposits monitoring well

BR = Bedrock monitoring well

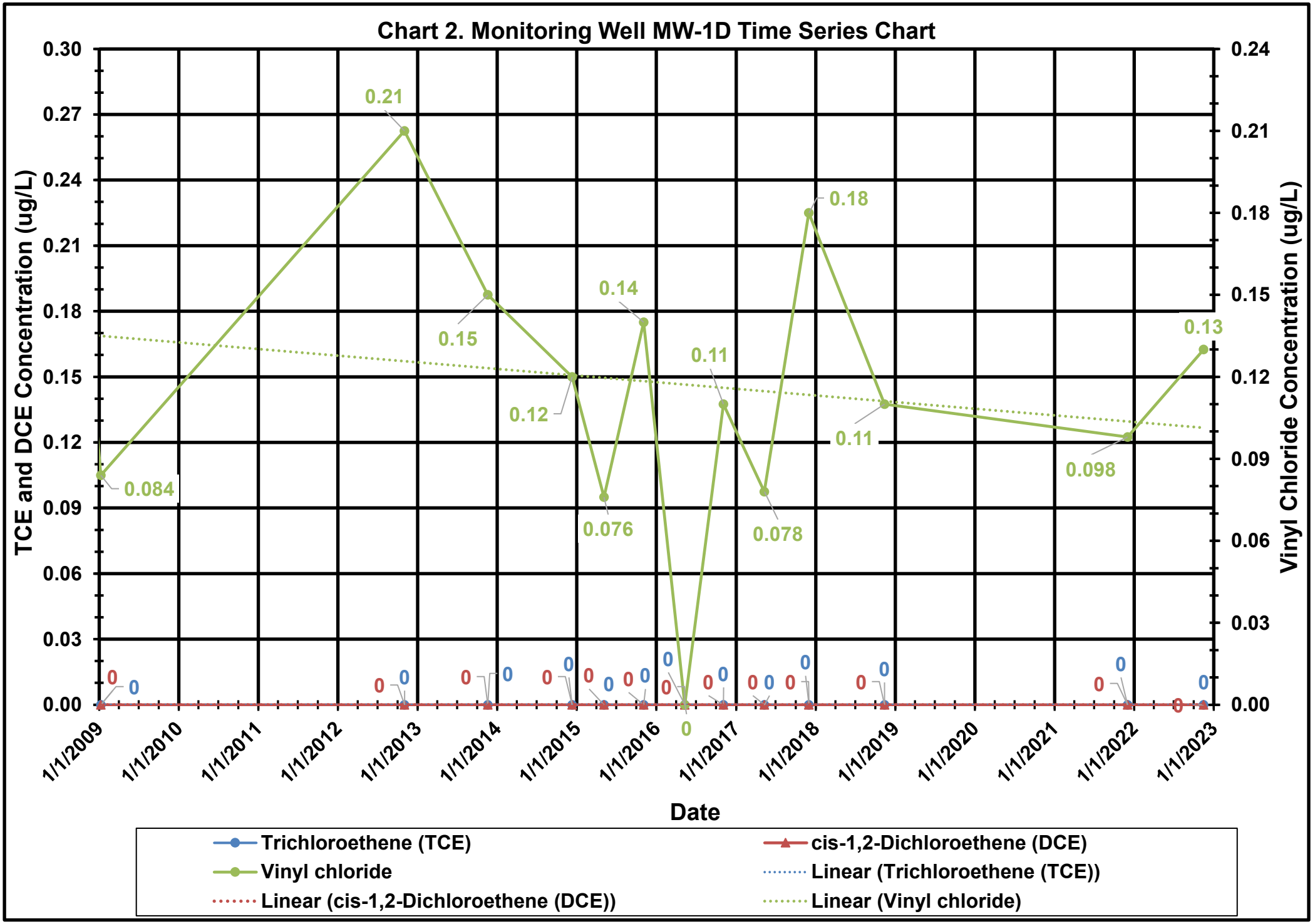
Monitoring well MW-102S alkalinity and chloride concentrations used as background values.

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

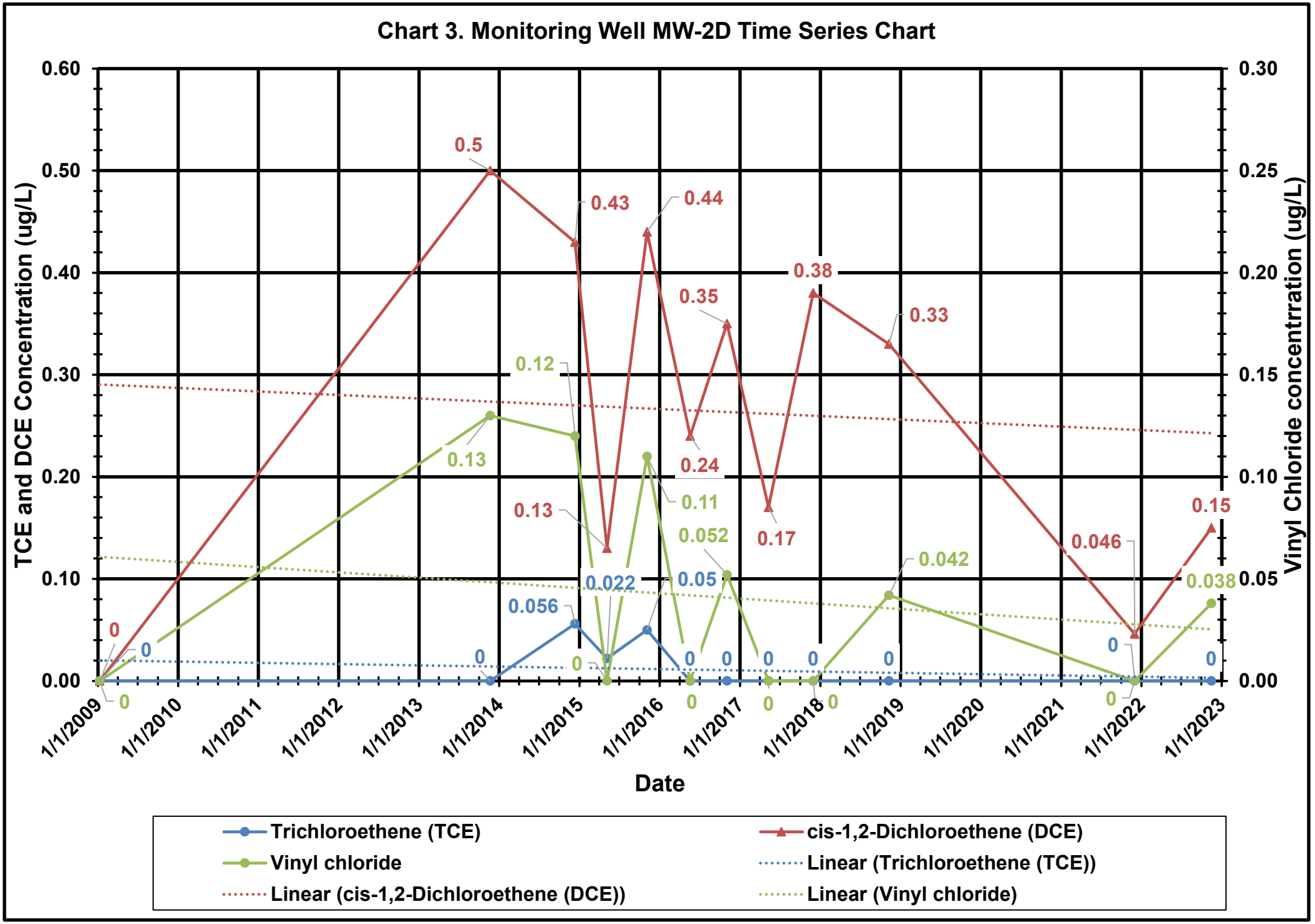
CHARTS



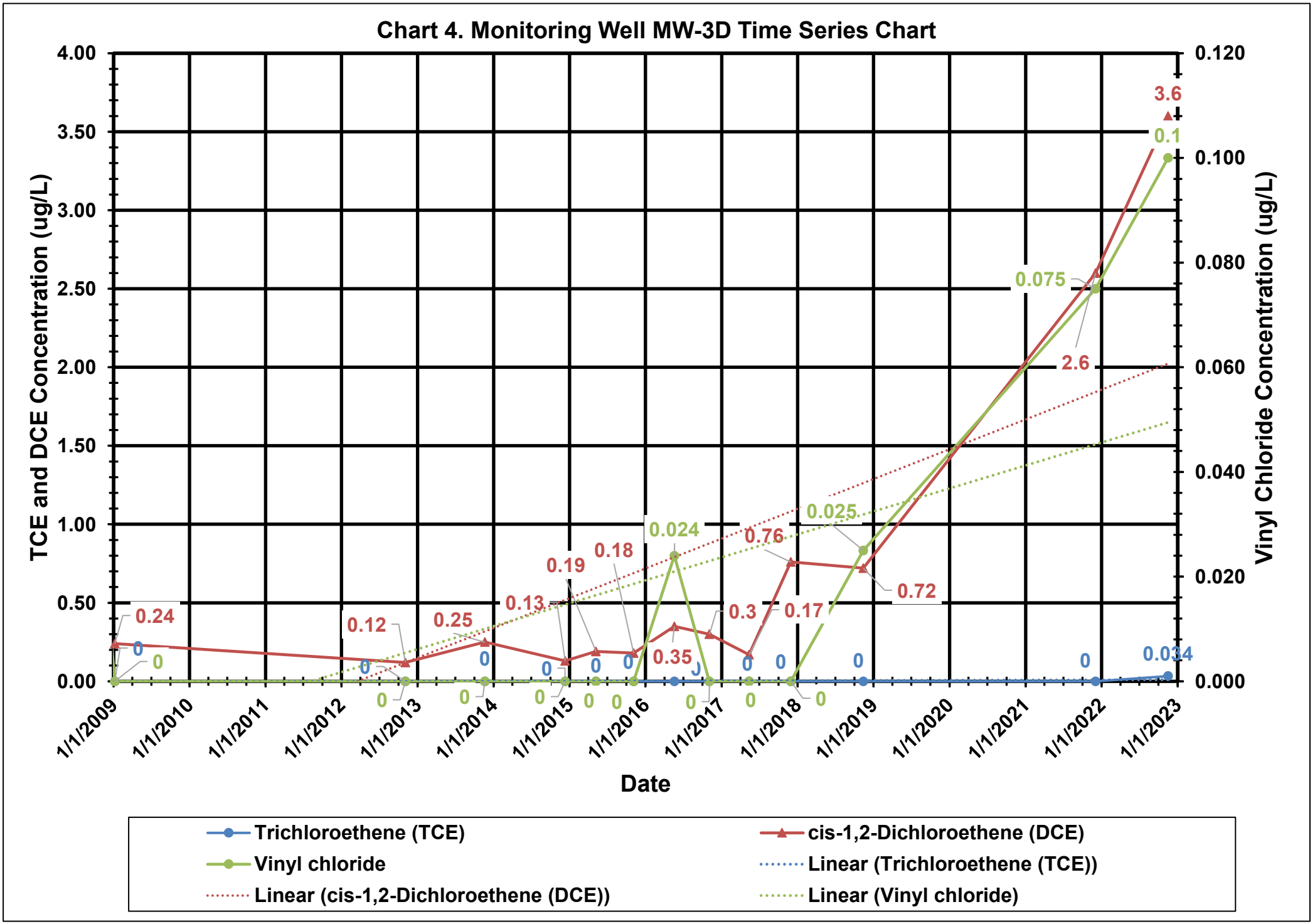
Note: In-situ soil treatment in source Area A with Daramend performed in June 2013.



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

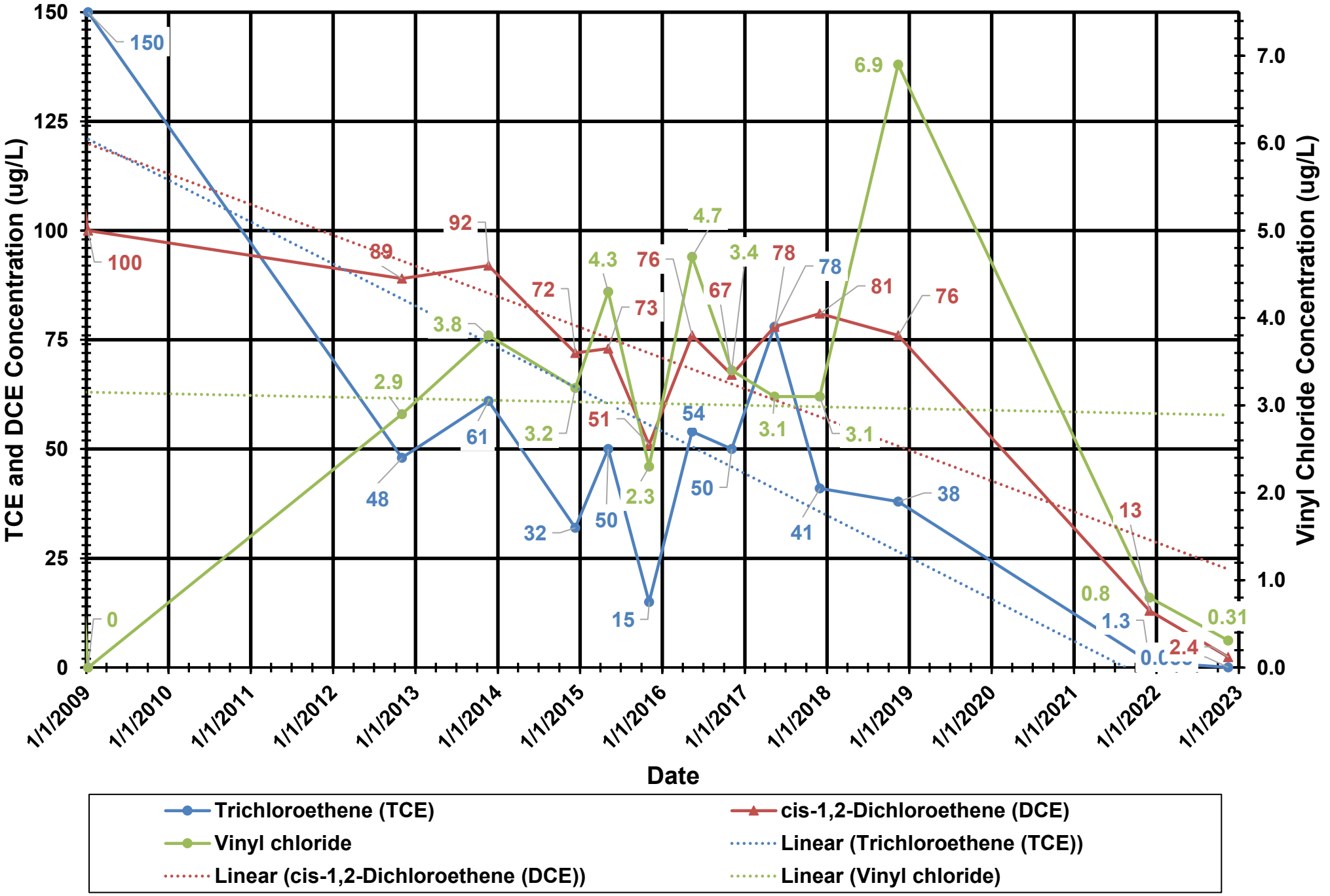


Note: In-situ soil treatment in source Area A with Daramend performed in June 2013.

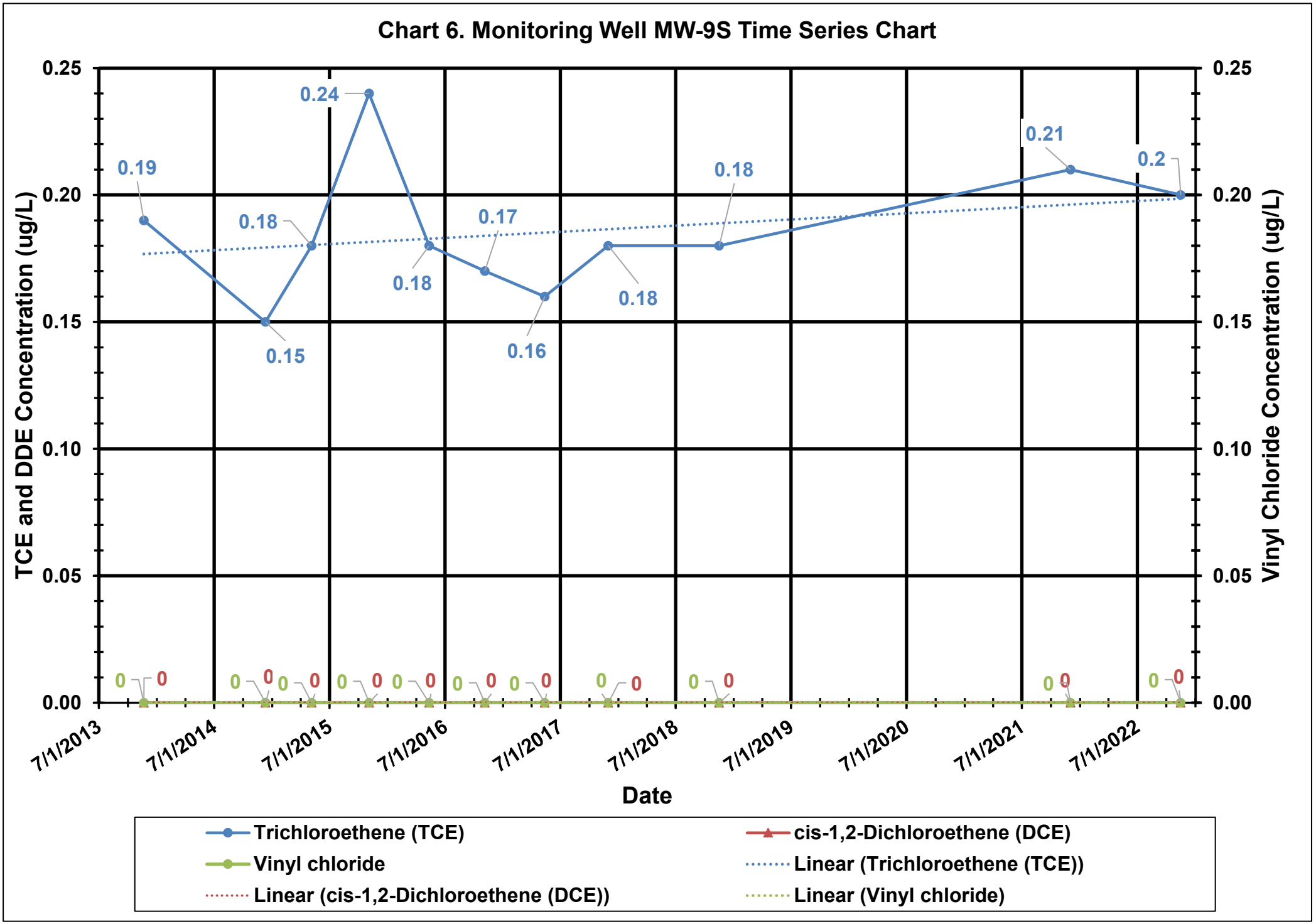


Note: In-situ soil treatment in source Area A with Daramend performed in June 2013.

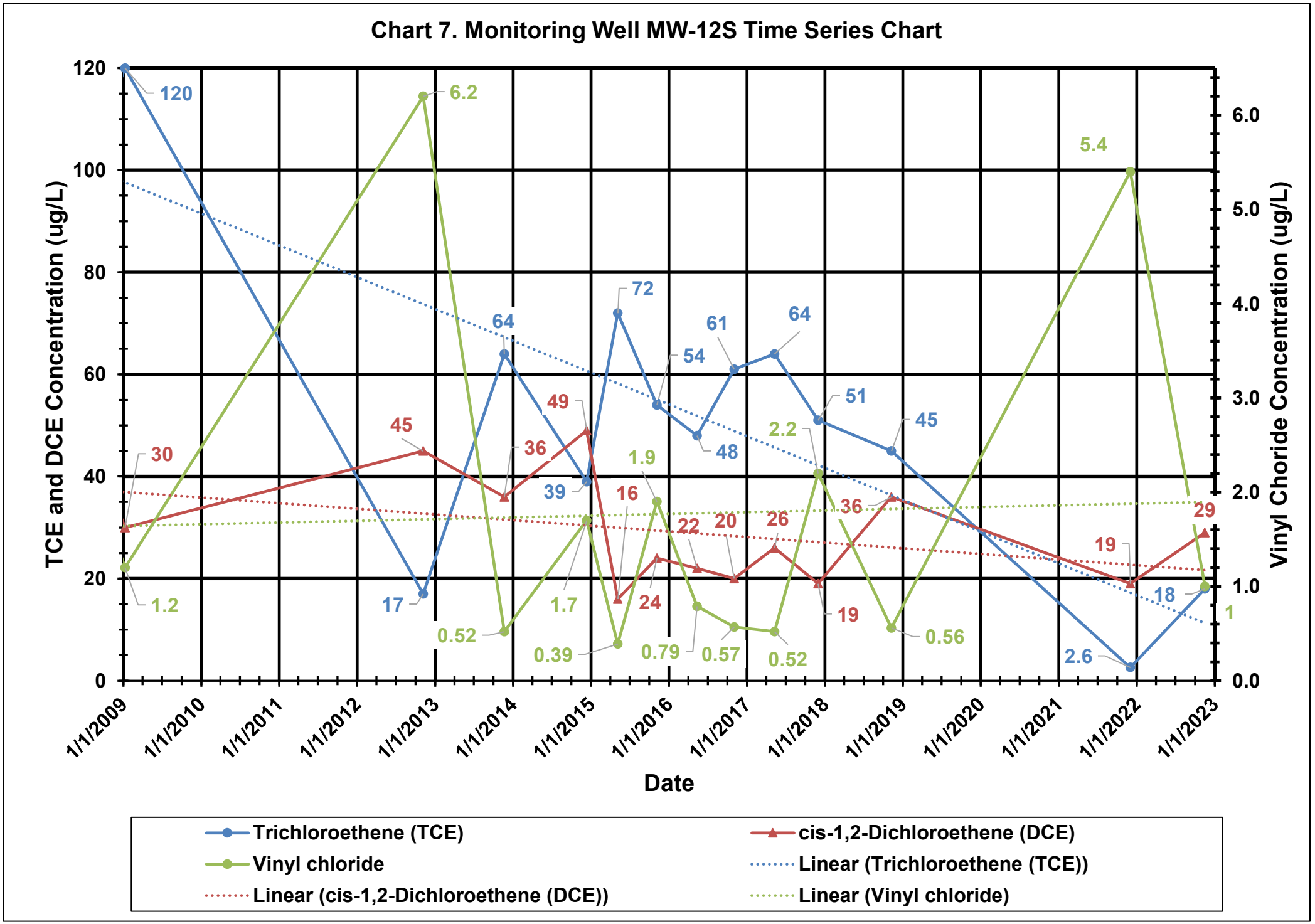
Chart 5. Monitoring Well MW-5D Time Series Chart



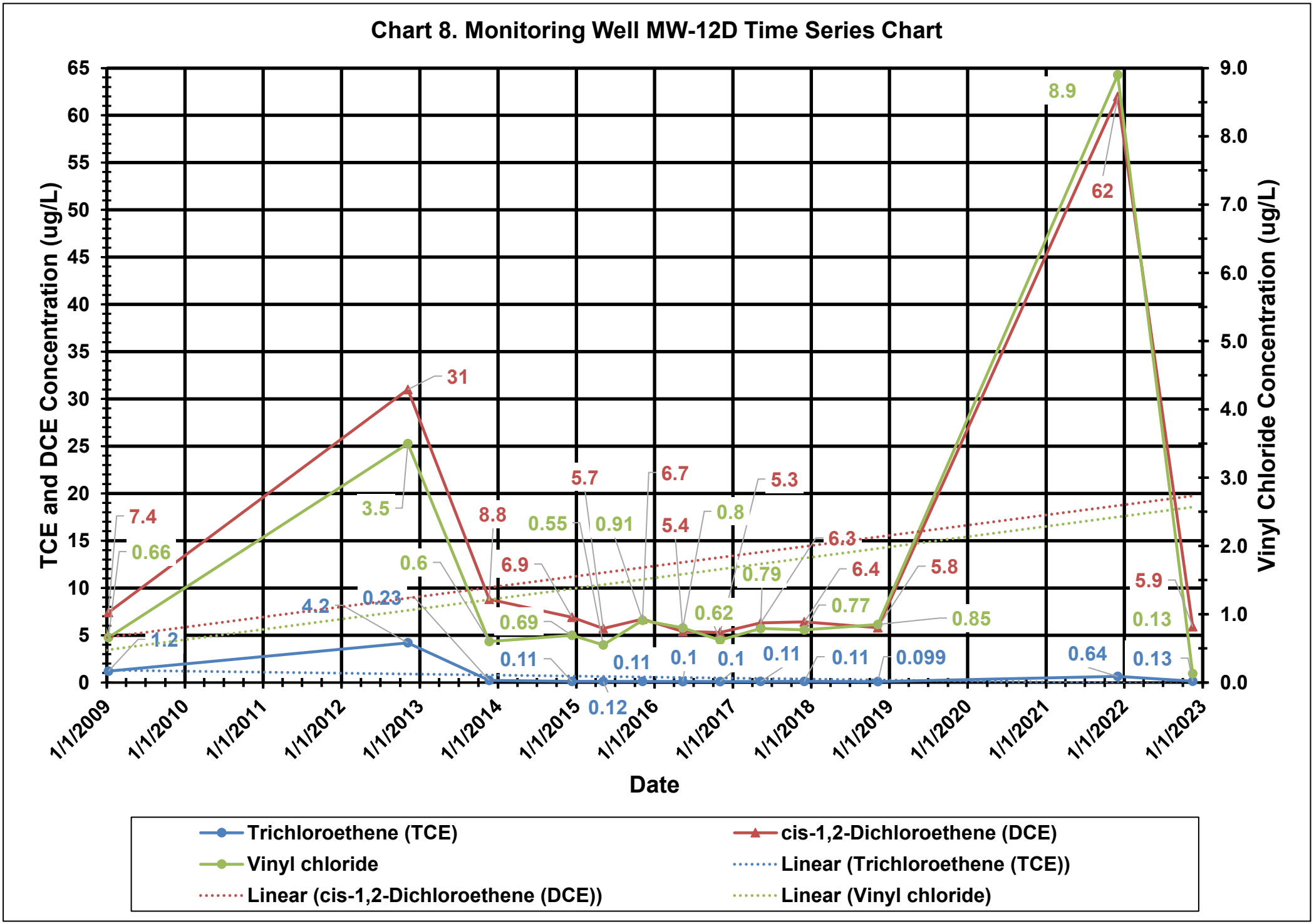
Note: In-situ soil treatment in source Area A with Daramend performed in June 2013.



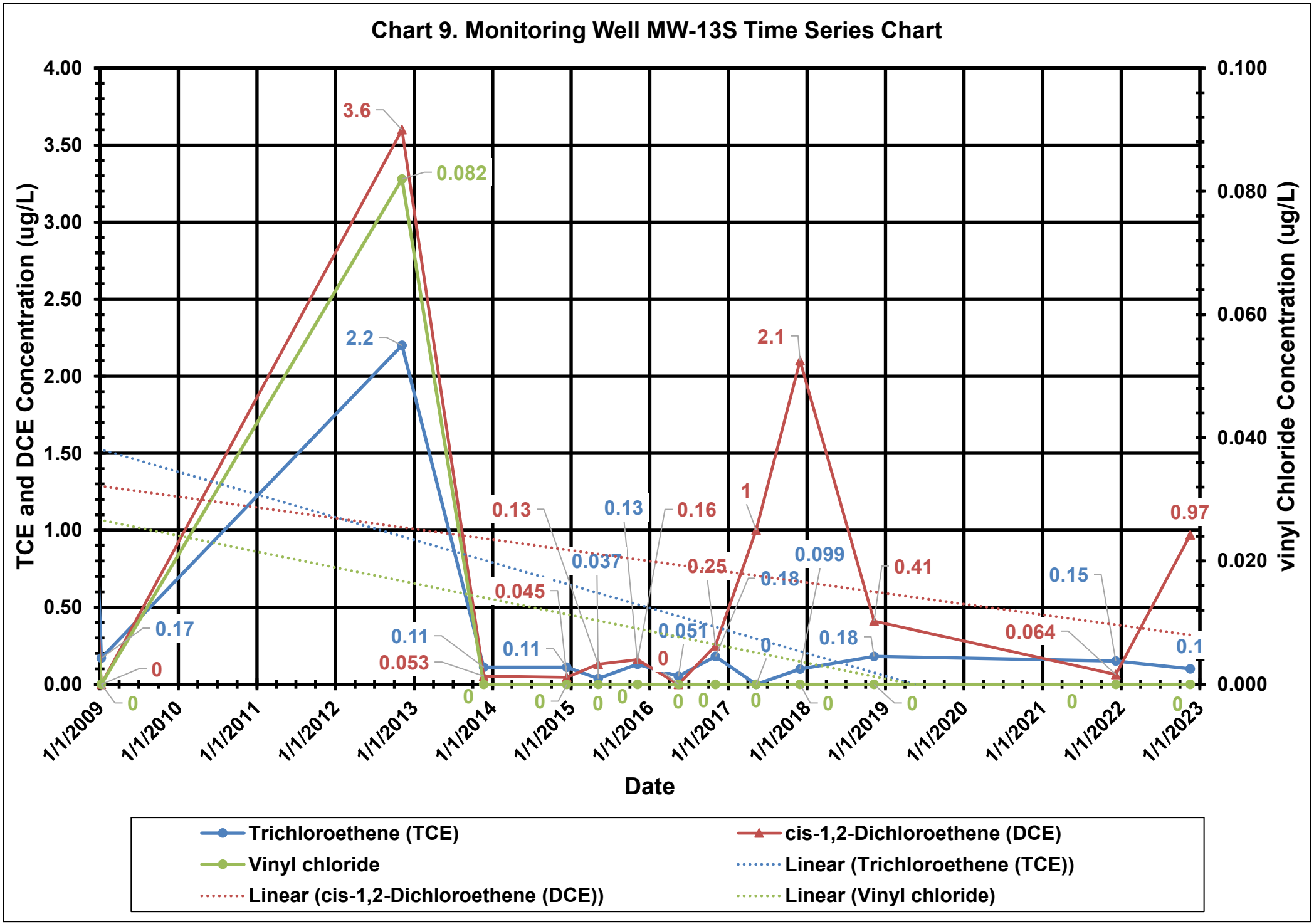
Note: In-situ soil treatment in source Area A with Daramend performed in June 2013.



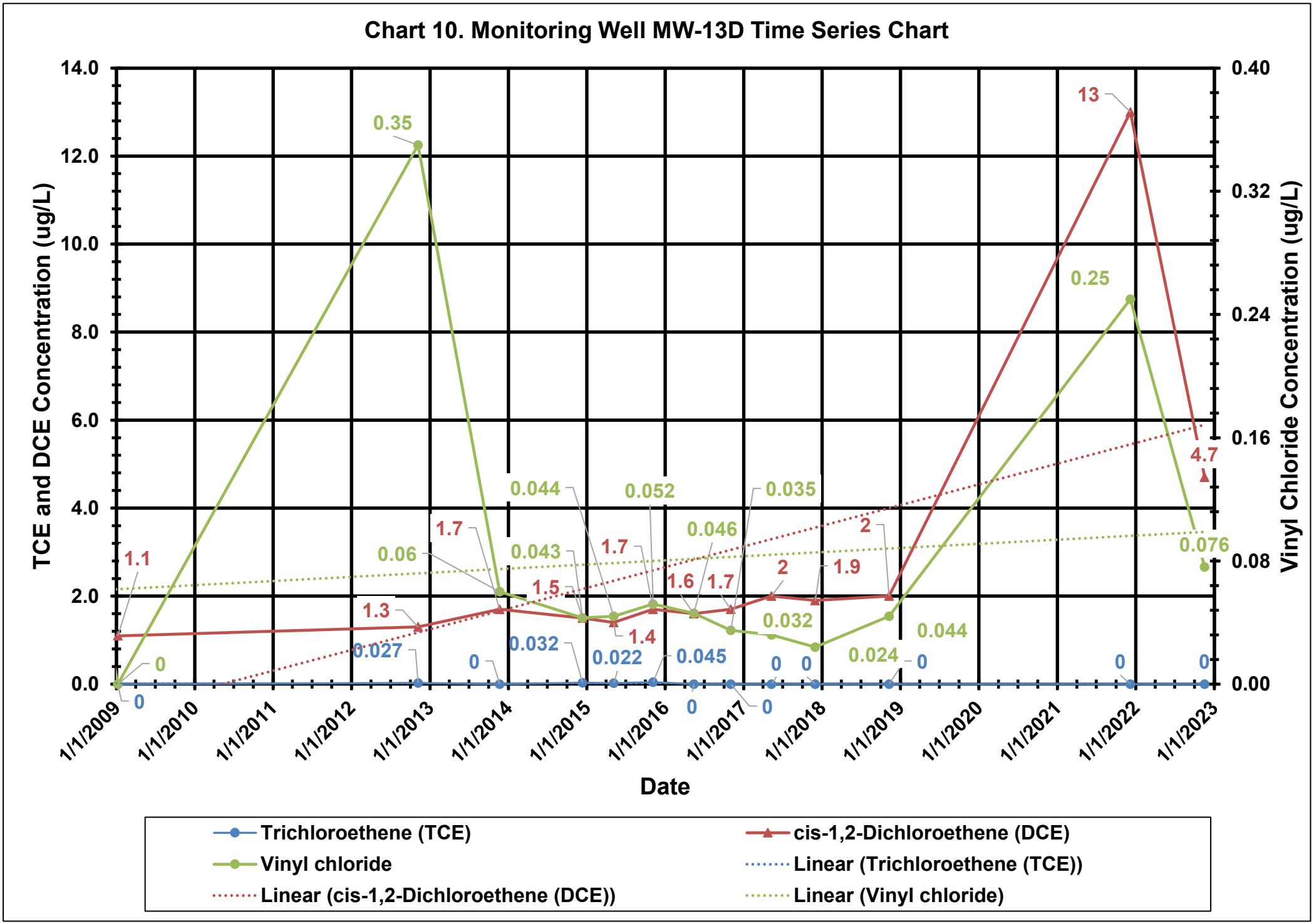
Note: In-situ soil treatment in source Area A with Daramend performed in June 2013.



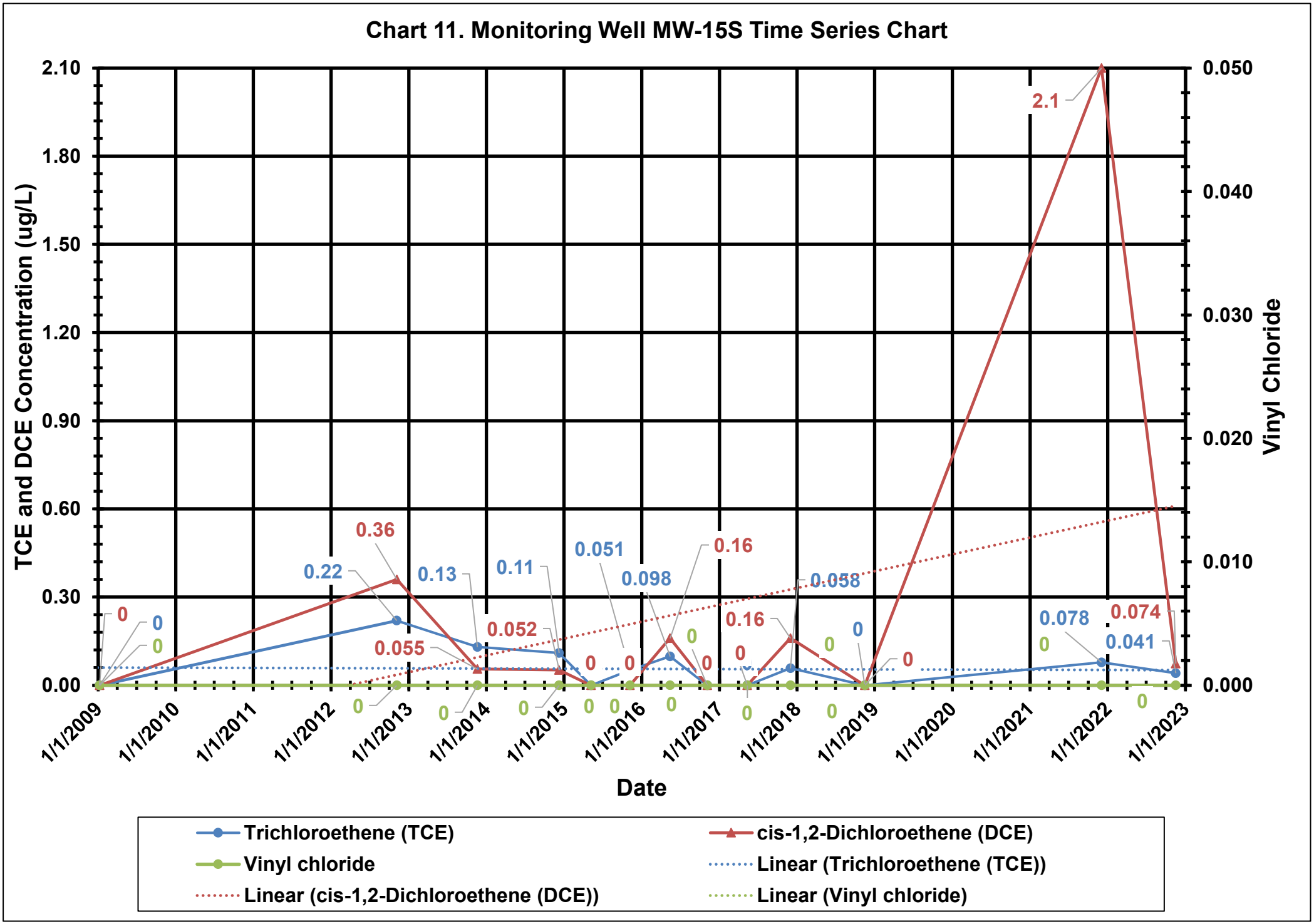
Note: In-situ soil treatment in source Area A with Daramend performed in June 2013.



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

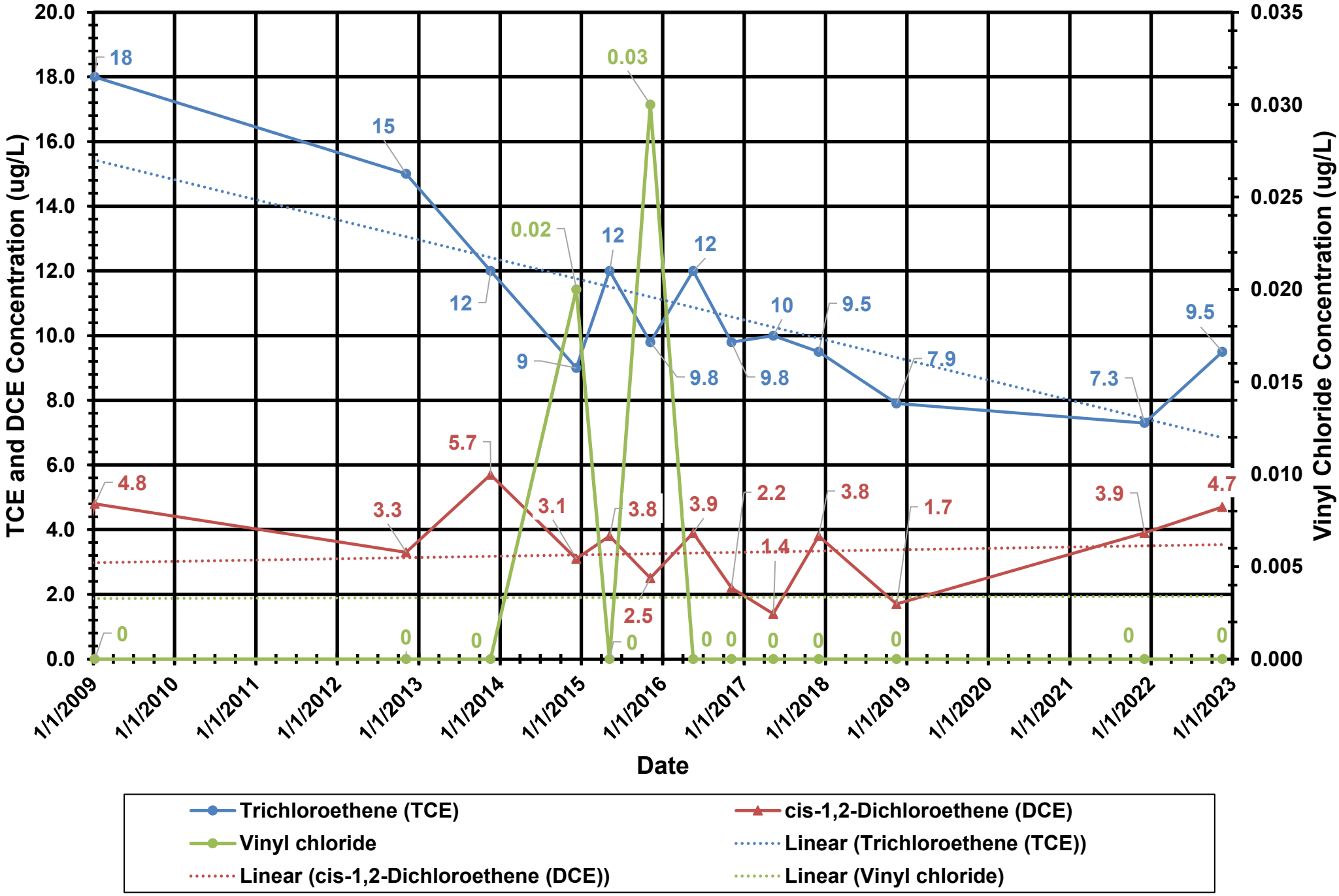


Note: In-situ soil treatment in source Area A with Daramend performed in June 2013.

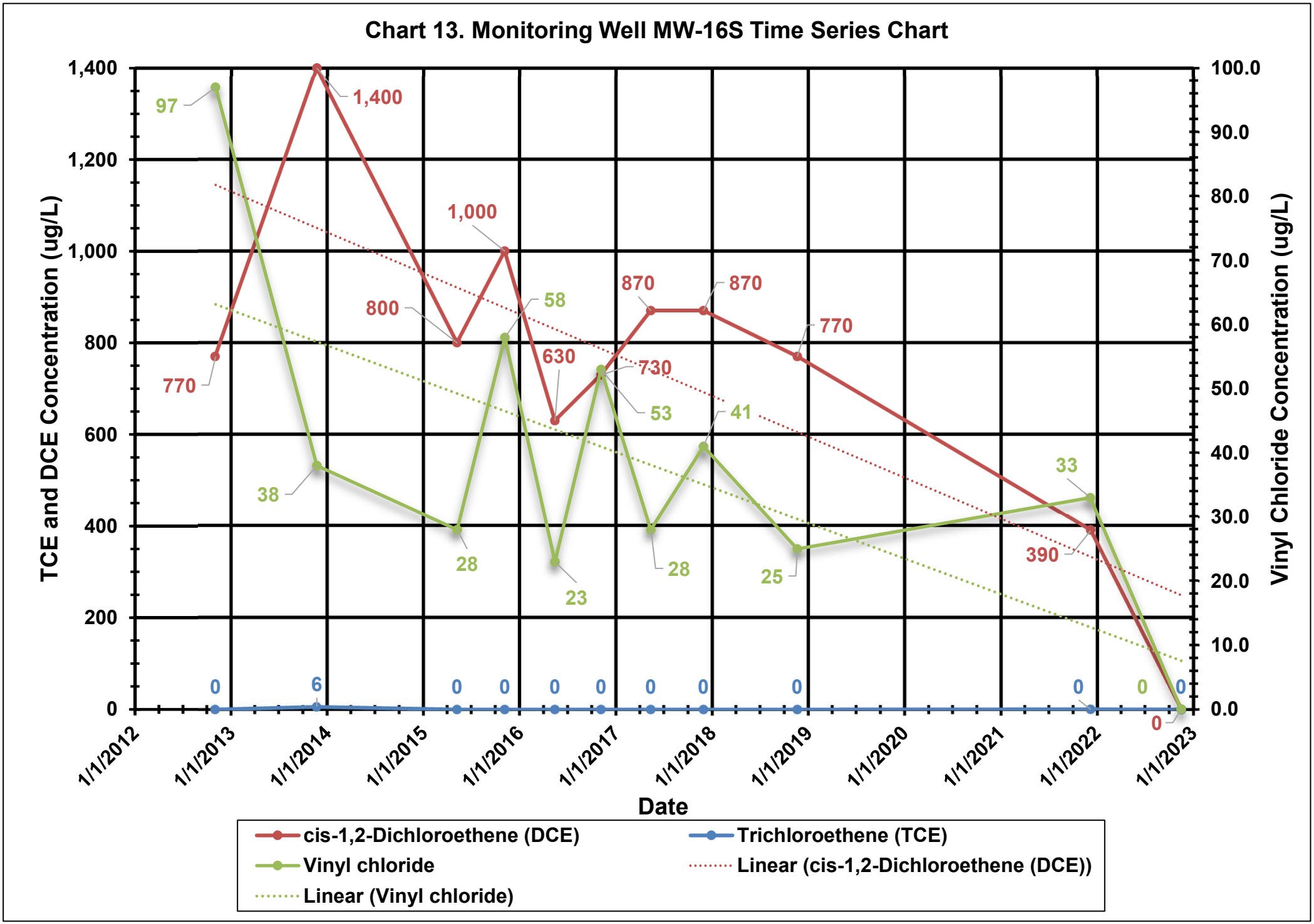


Note: In-situ soil treatment in source Area A with Daramend performed in June 2013.

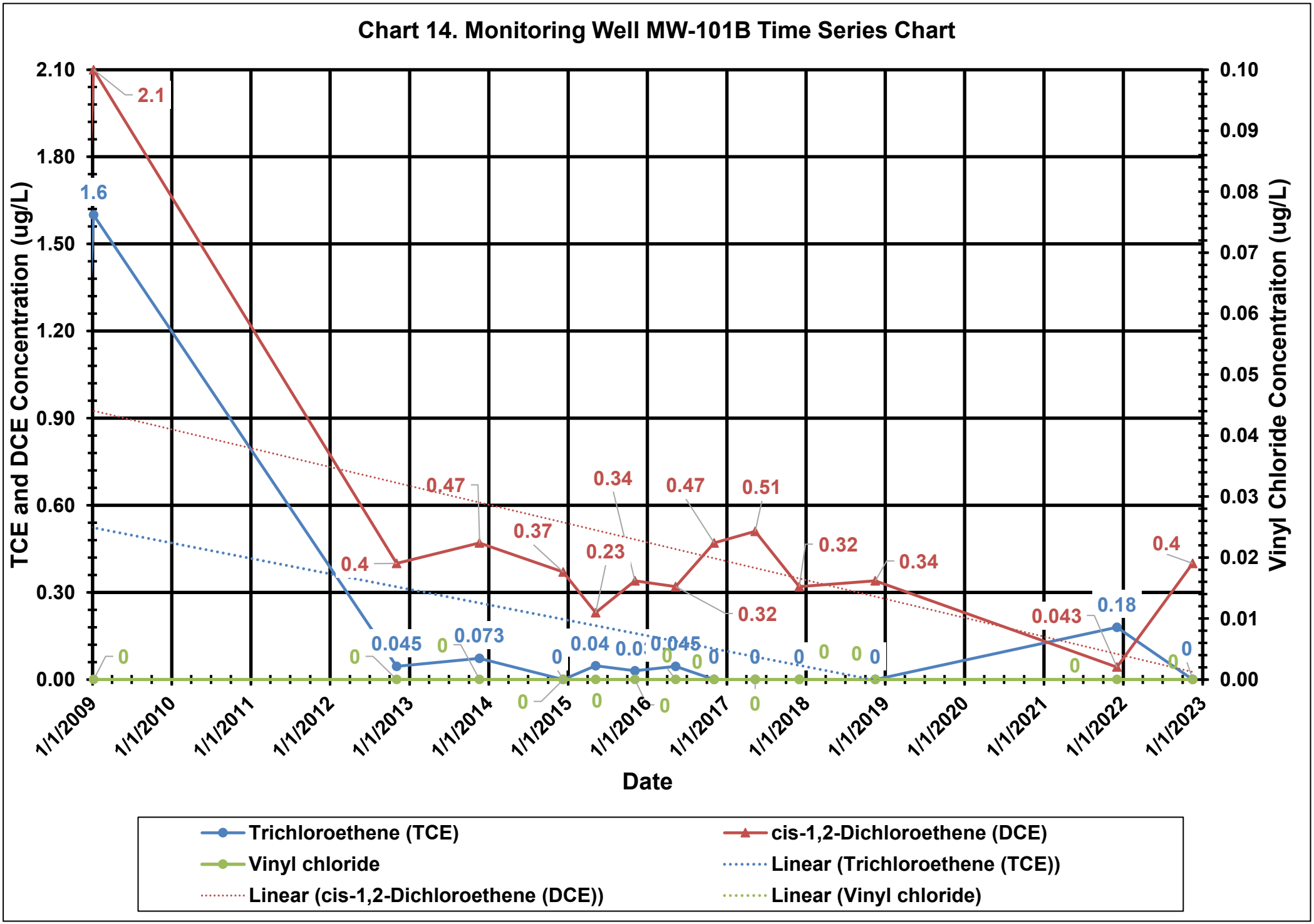
Chart 12. Monitoring Well MW-15D Time Series Chart



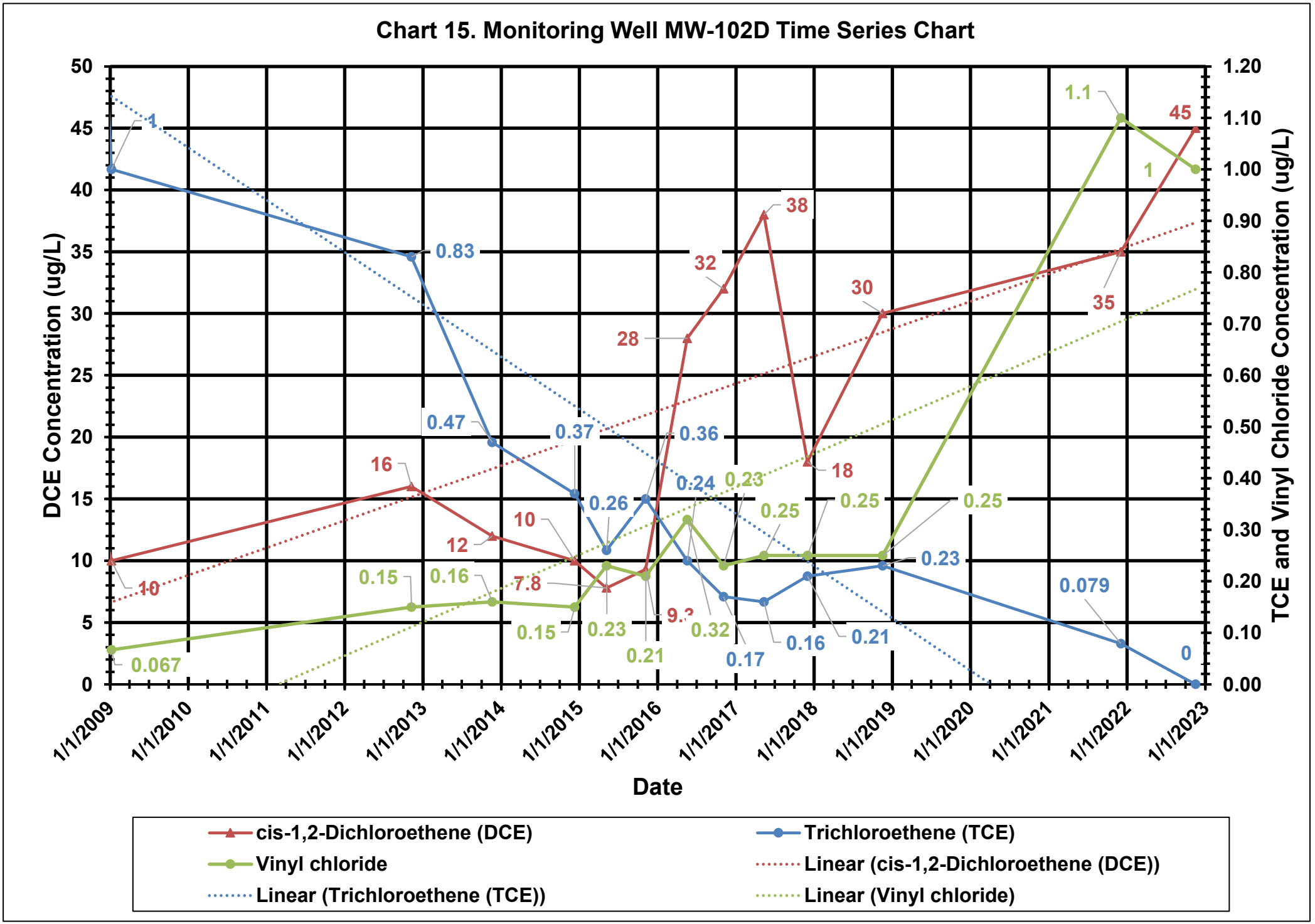
Note: In-situ soil treatment in source Area A with Daramend performed in June 2013.



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

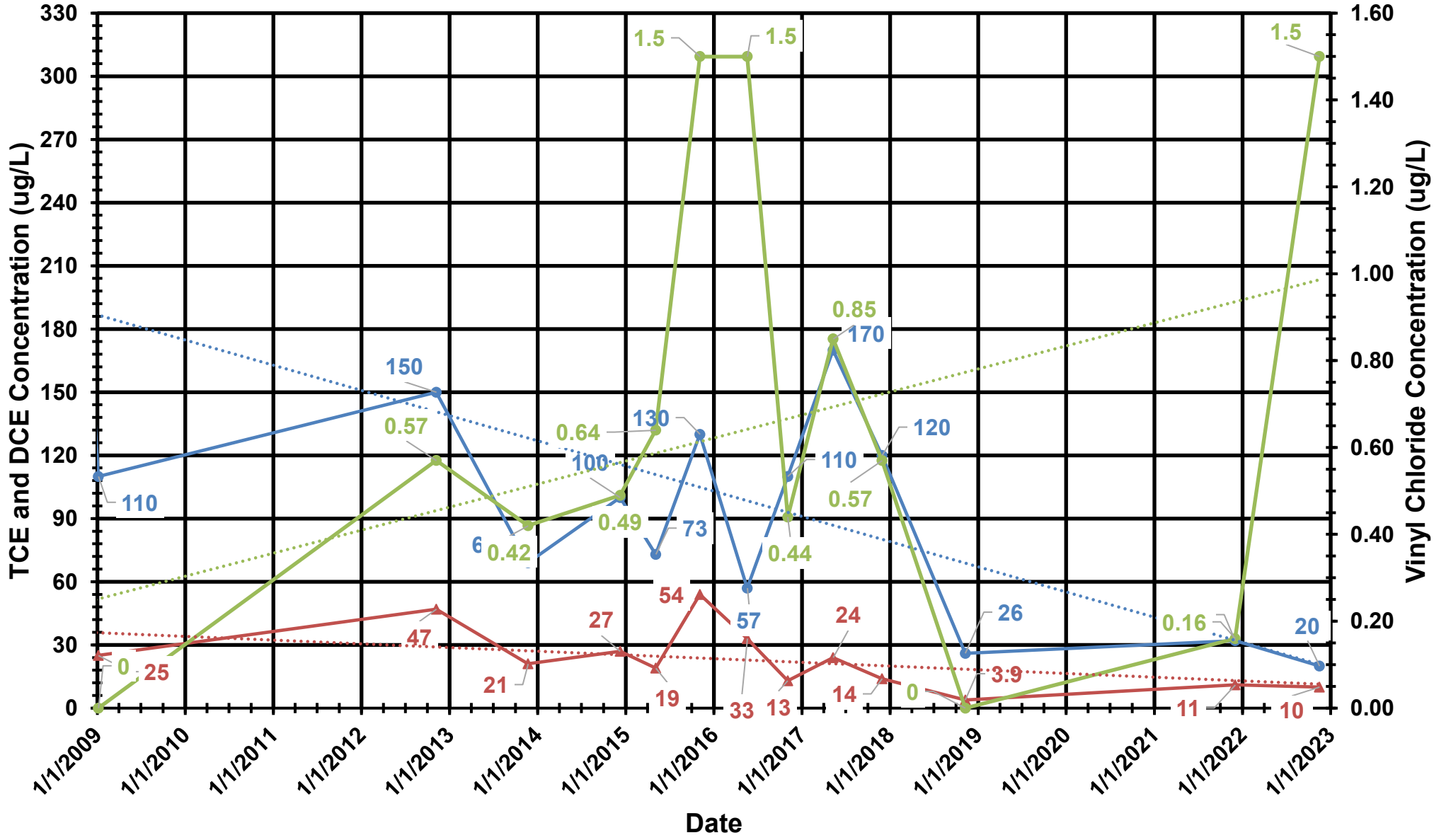


Note: In-situ soil treatment in source Area A with Daramend performed in June 2013.

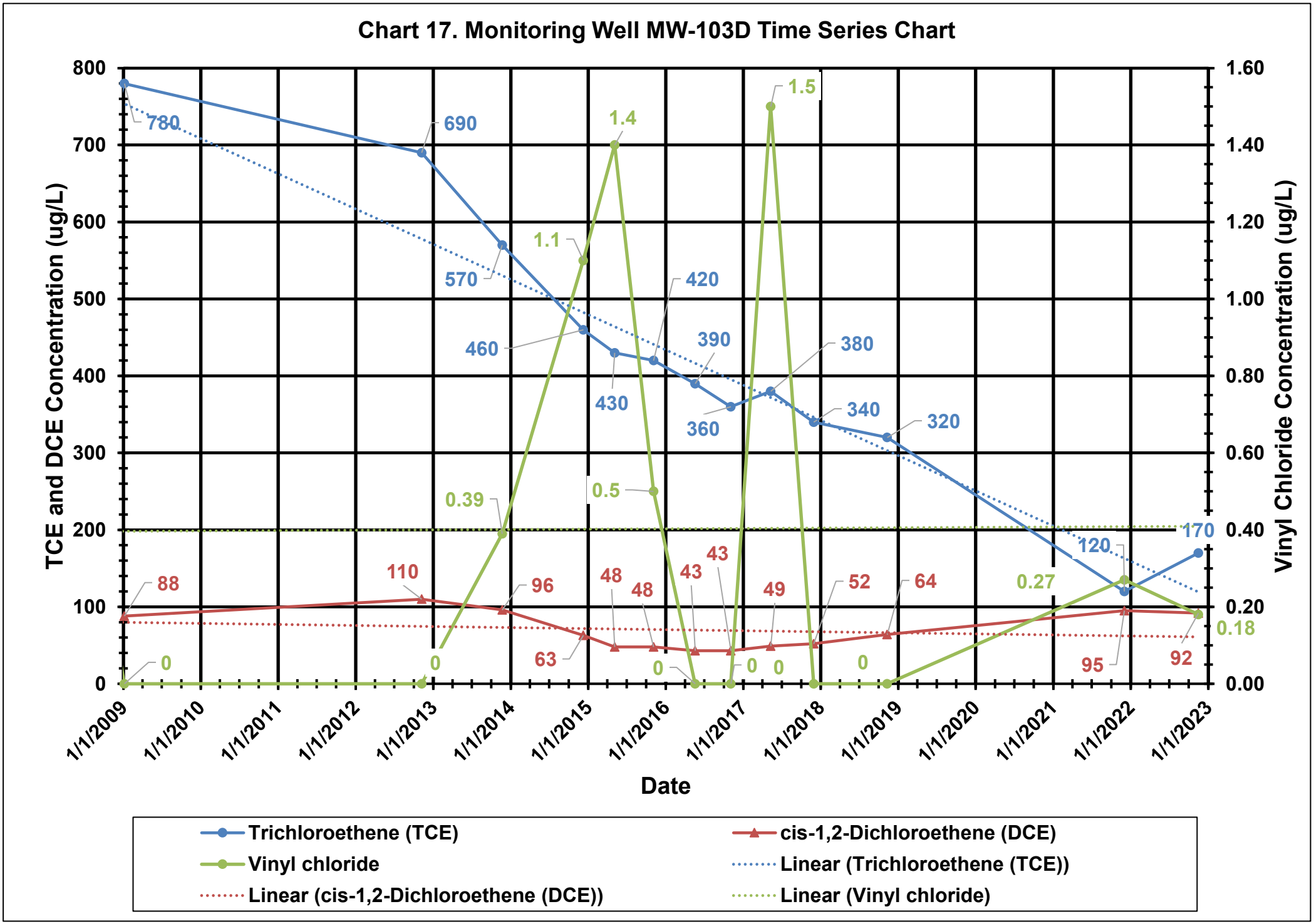


Note: In-situ soil treatment in source Area A with Daramend performed in June 2013.

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

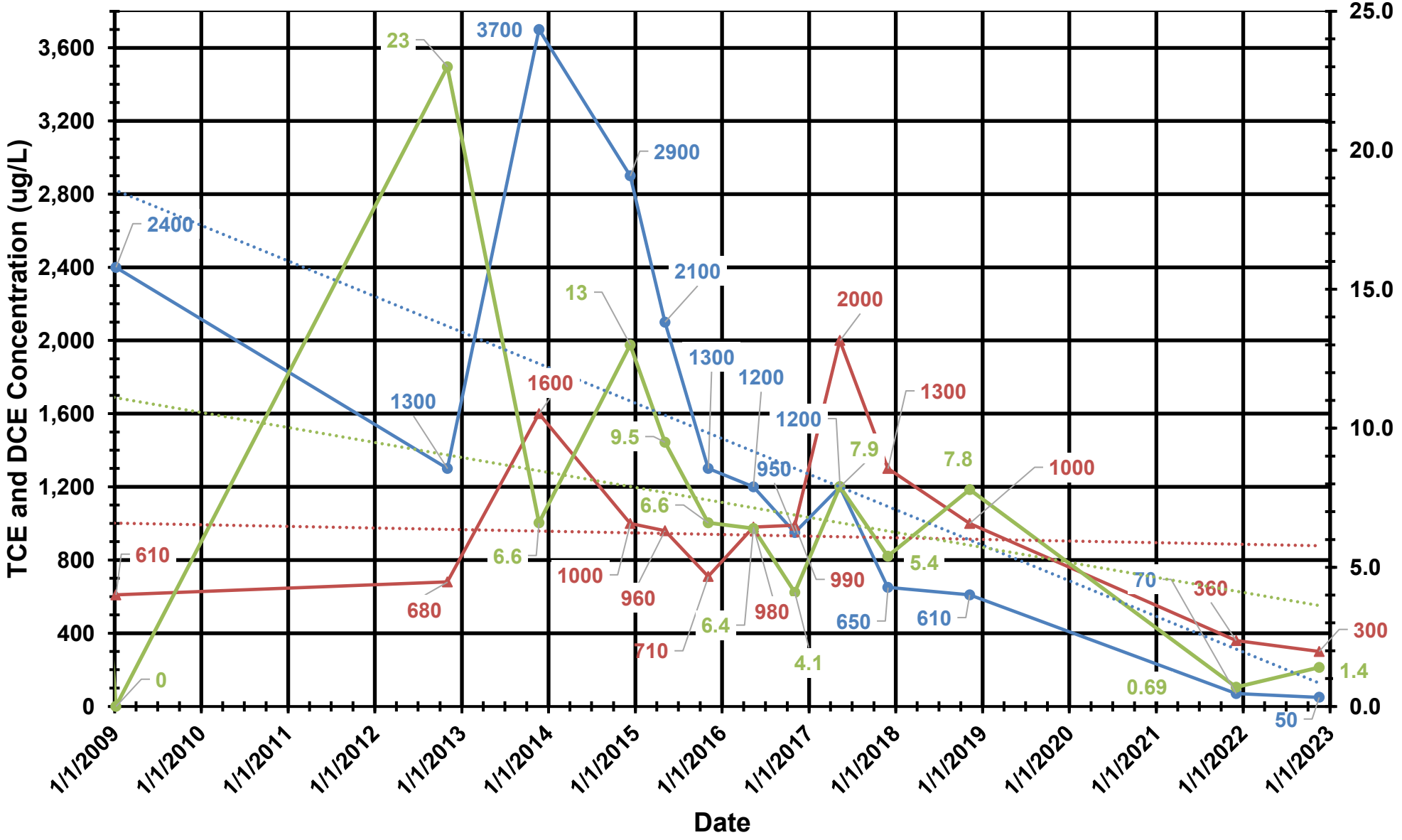


Note: In-situ soil treatment in source Area A with Daramend performed in June 2013.

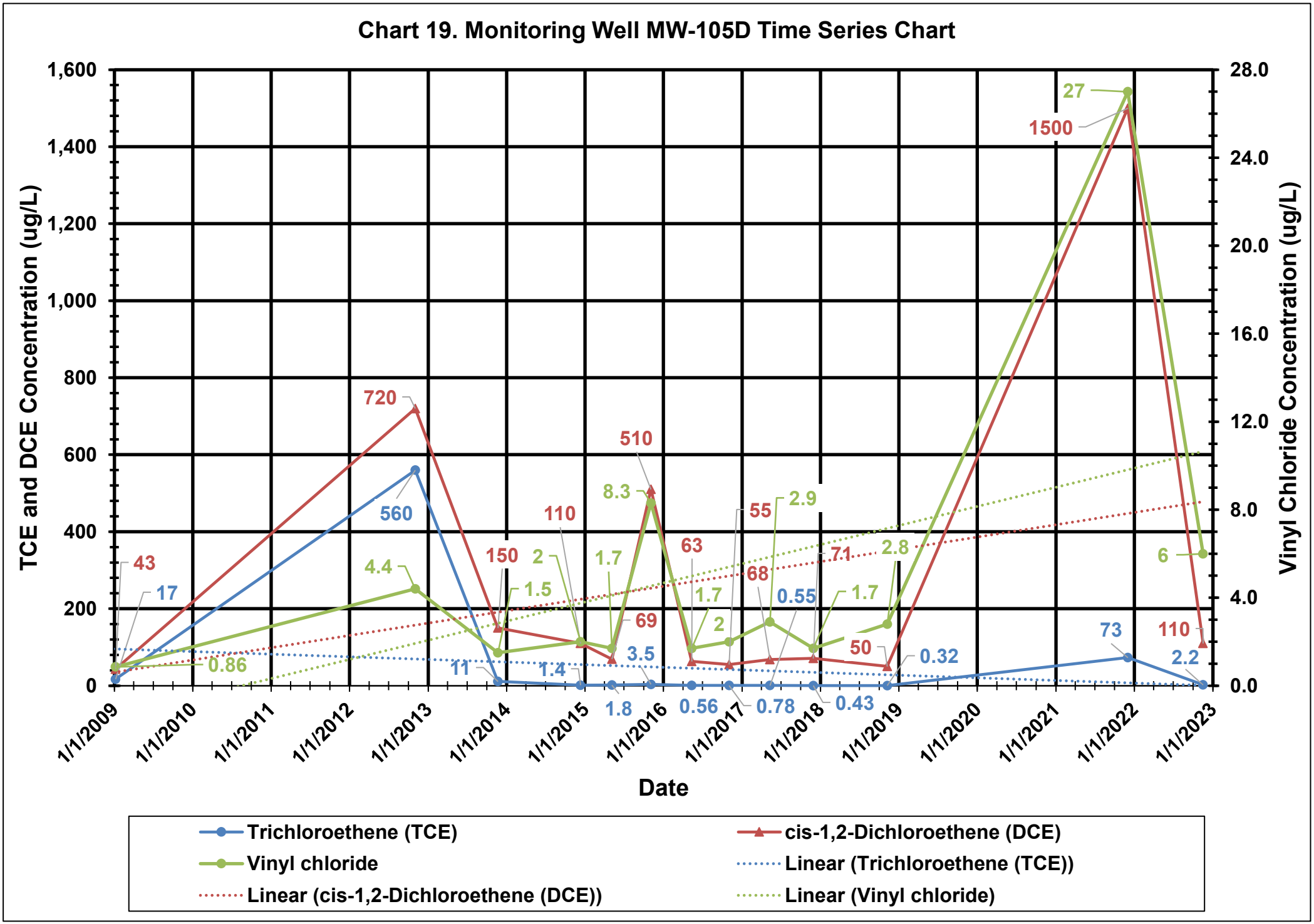


Note: In-situ soil treatment in source Area A with Daramend performed in June 2013.

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

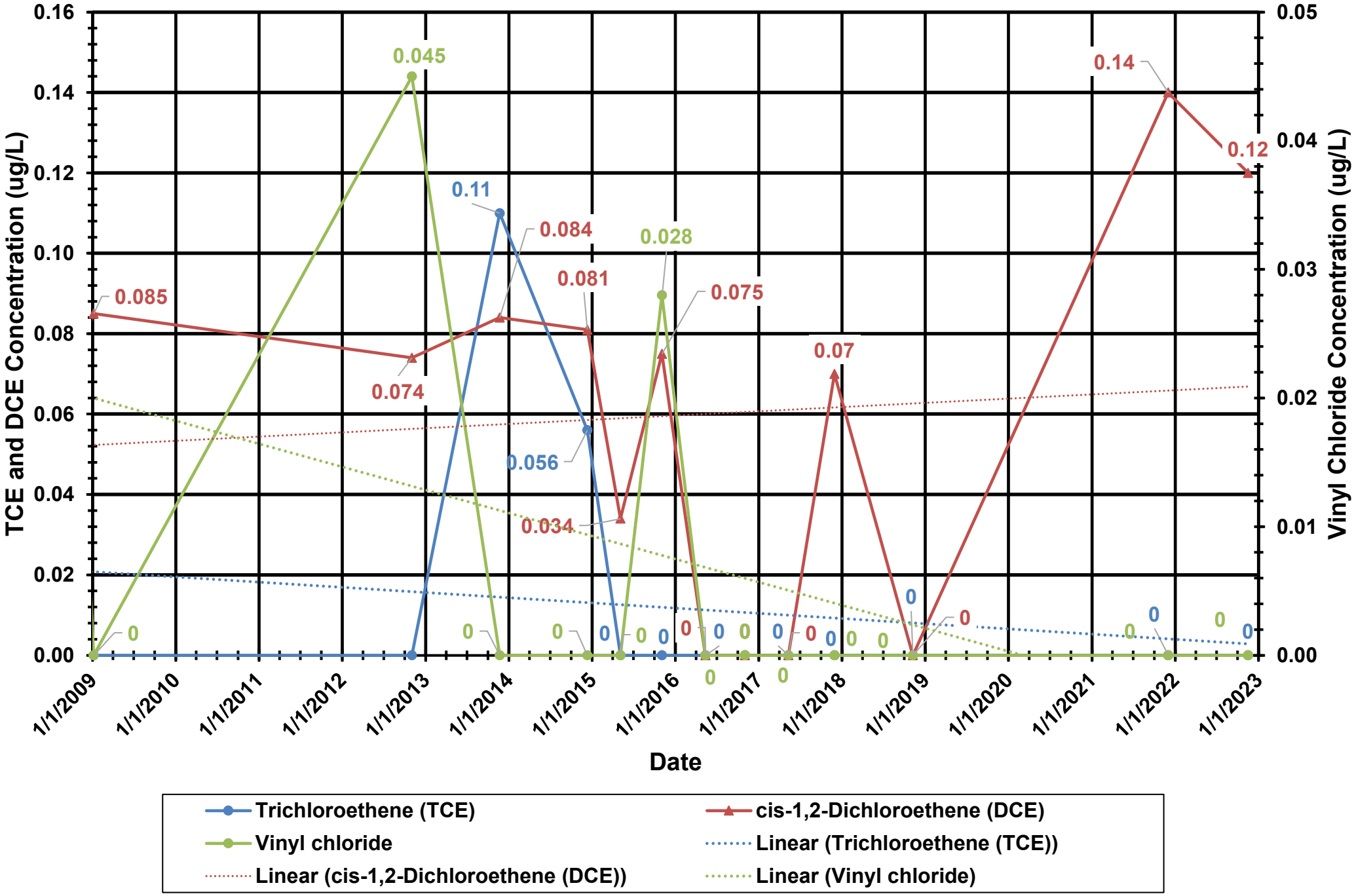


Note: In-situ soil treatment in source Area A with Daramend performed in June 2013.

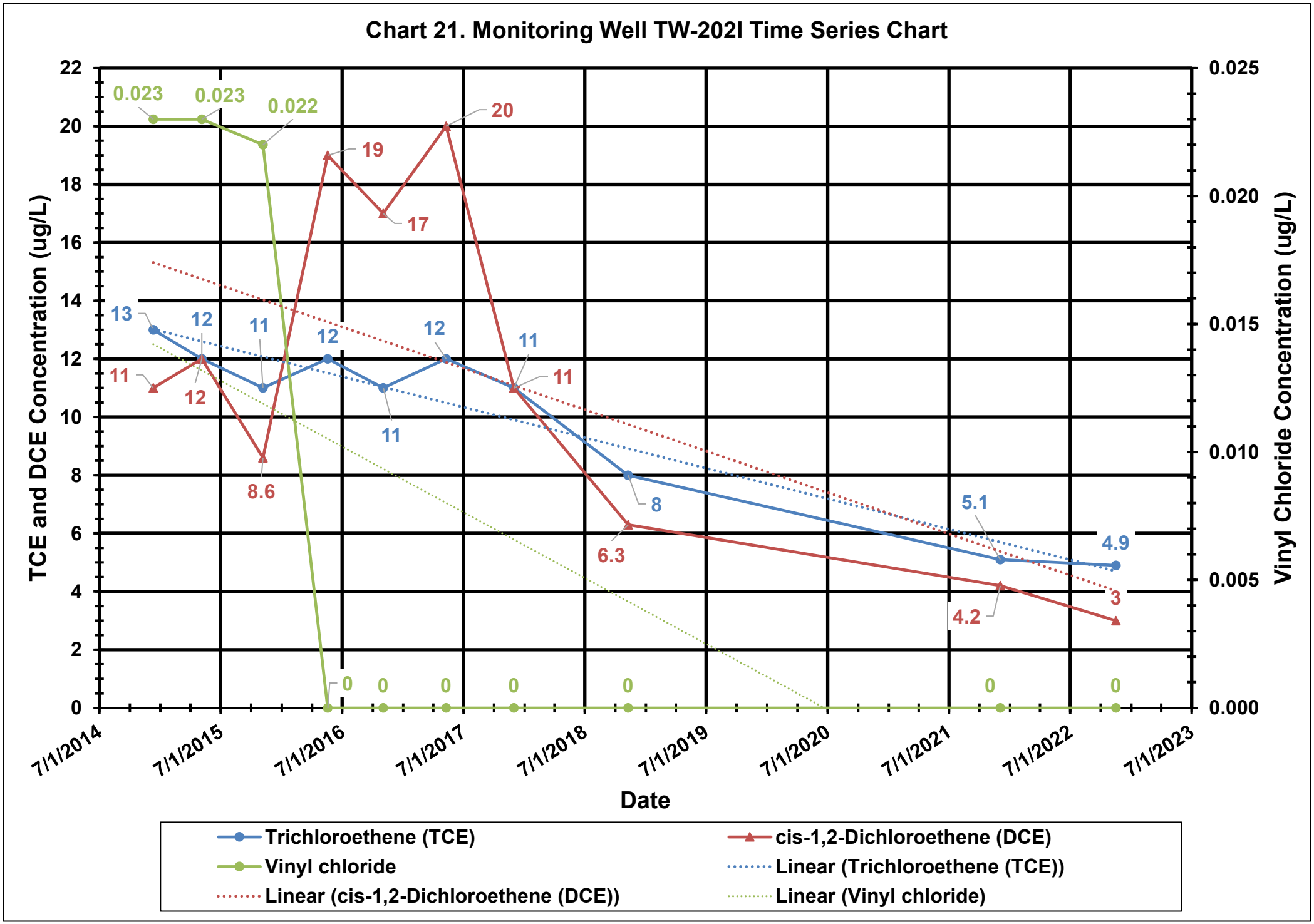


Note: In-situ soil treatment in source Area A with Daramend performed in June 2013.

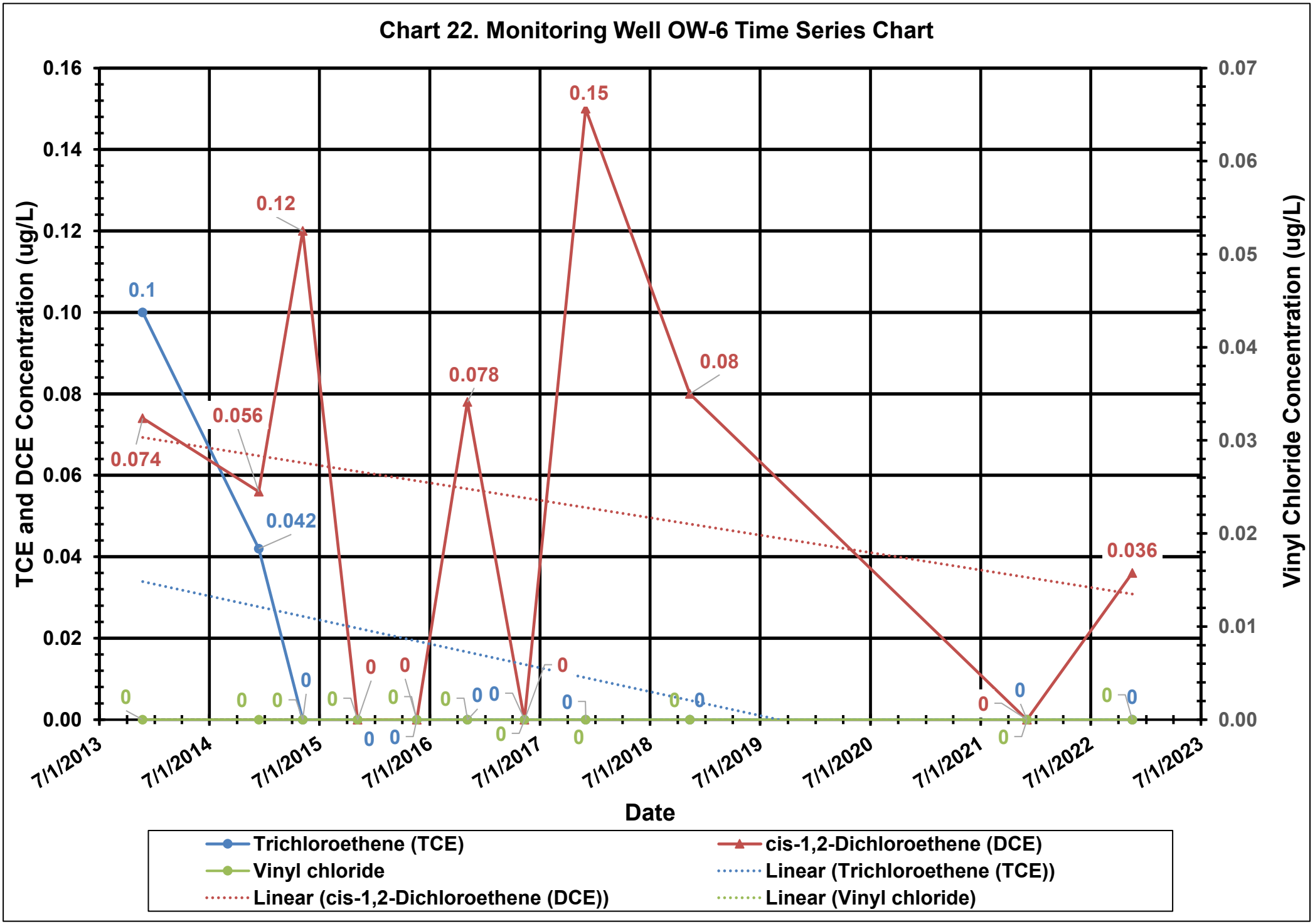
Chart 20. Monitoring Well MW-105B Time Series Chart



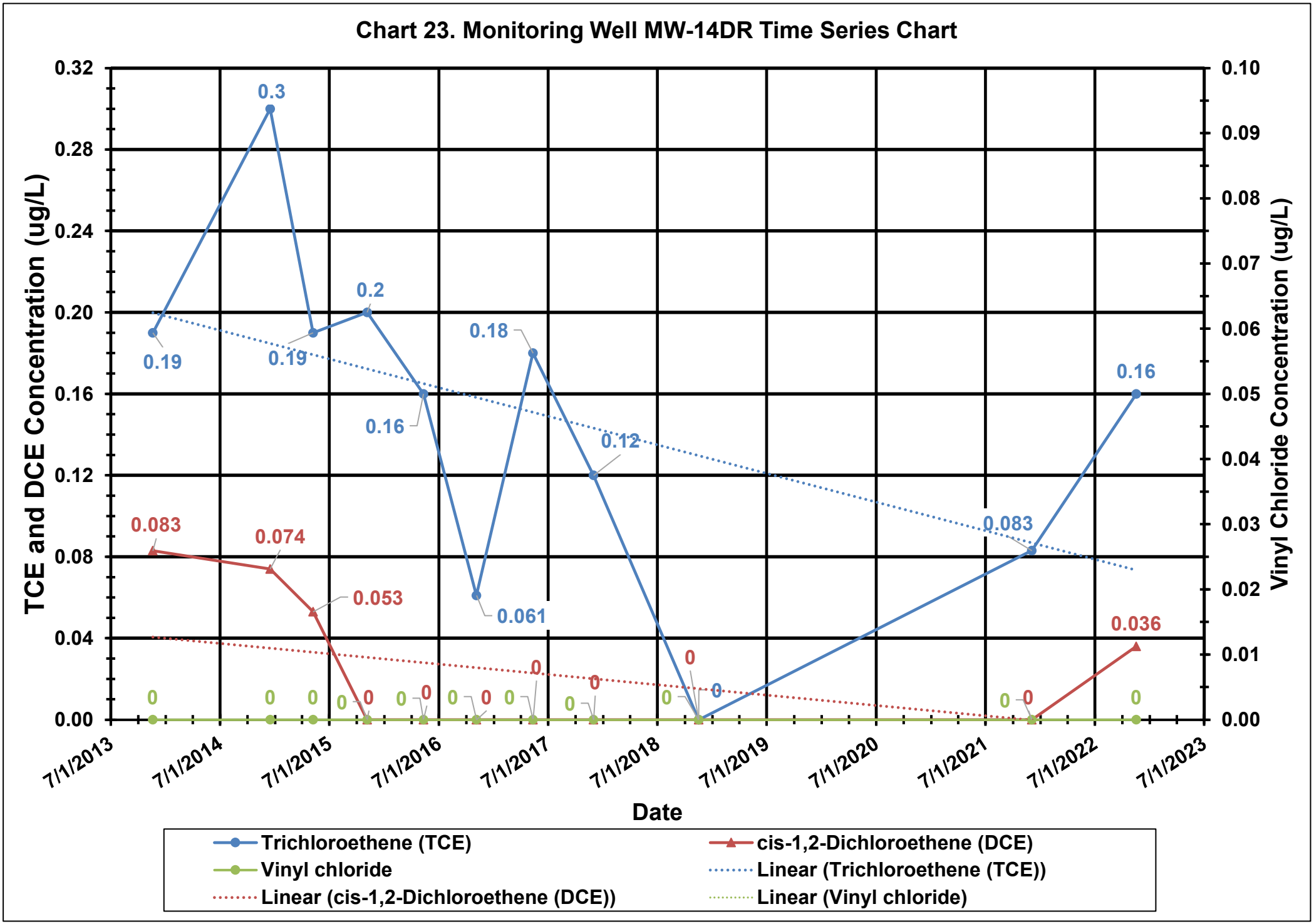
Note: In-situ soil treatment in source Area A with Daramend performed in June 2013.



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



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



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

APPENDICES

APPENDIX A

Monitoring Wells and Residential Wells Outside Sample Spigot Photographs

Photo #1 MW-2D

Photo #2 MW-3D

Photo #3 MW-4D

Photo #4 MW-4S

Photo #5 MW-5D

Photo #6 MW-9S

Photo #7 MW-13D

Photo #8 MW-13S

Photo #9 MW-14DR

Photo #10 MW-15B

Photo #11 MW-15D

Photo #12 MW-15S

Photo #13 MW-16S

Photo #14 MW-101B

Photo #15 MW-101S

Photo #16 MW-102D

Photo #17 MW-102S

Photo #18 MW-103D

Photo #19 MW-103S

Photo #20 MW-104D

Photo #21 MW-104S

Photo #22 MW-106D

Photo #23 MW-106S

Photo #24 OW-6

Photo #25 TW-2021

Photo #26 MW-105D ???

Photo #27 Private Well PW-05 (W2611 Oak St.)

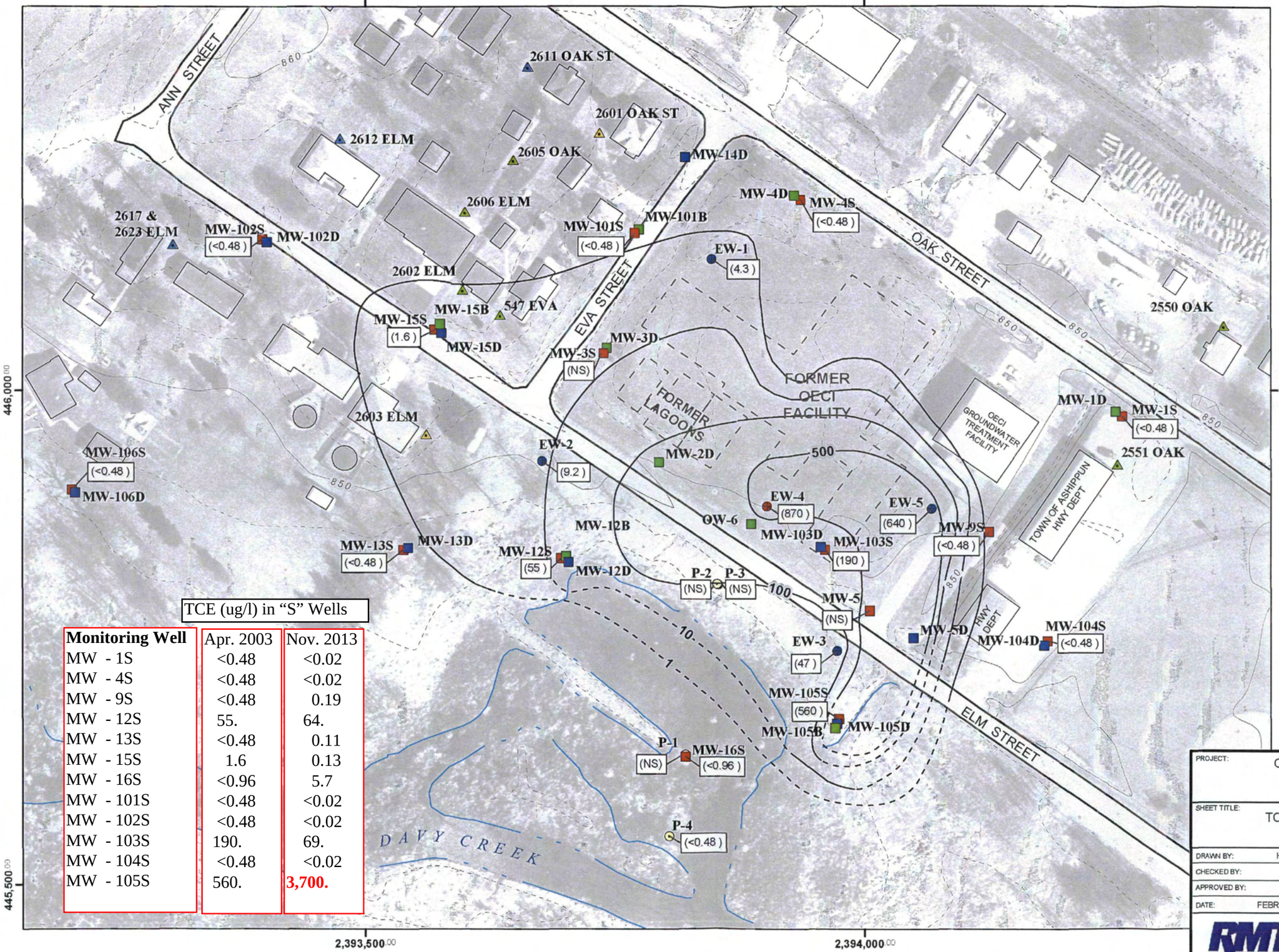
Photo #28 Private Well PW-07 (W2602 Elm St.)

Photo #29 Private Well PW-08 (W2603 Elm St.)

Photo #30 Private Well PW-09 (W2606 Elm St.)

APPENDIX B

April 2003, May 2015, May 2016, May 2017, November 2017, November 2018, and November 2021 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.**

0 50 100 200 Feet

1:1,200

1 INCH EQUALS 100 FEET

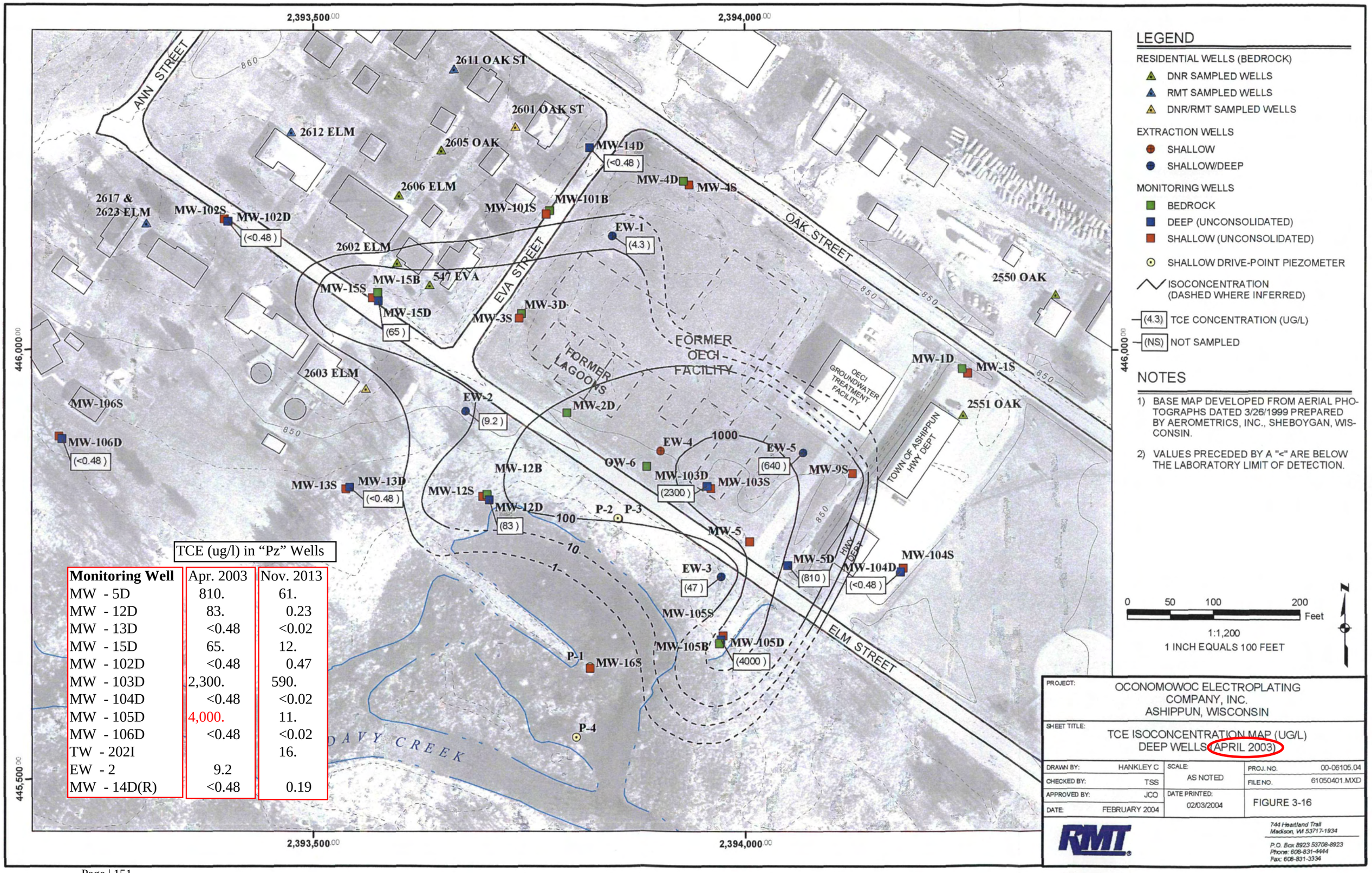
N

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	PROJ. NO. 00-06105.04
CHECKED BY:	TSS		FILE NO. 61050402.MXD
APPROVED BY:	JCO	DATE PRINTED: 02/03/2004	FIGURE 3-15
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) 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 - 202I		16.
EW - 2	9.2	
MW - 14D(R)	<0.48	0.19

0 50 100 200 Feet

1:1,200

1 INCH EQUALS 100 FEET

N

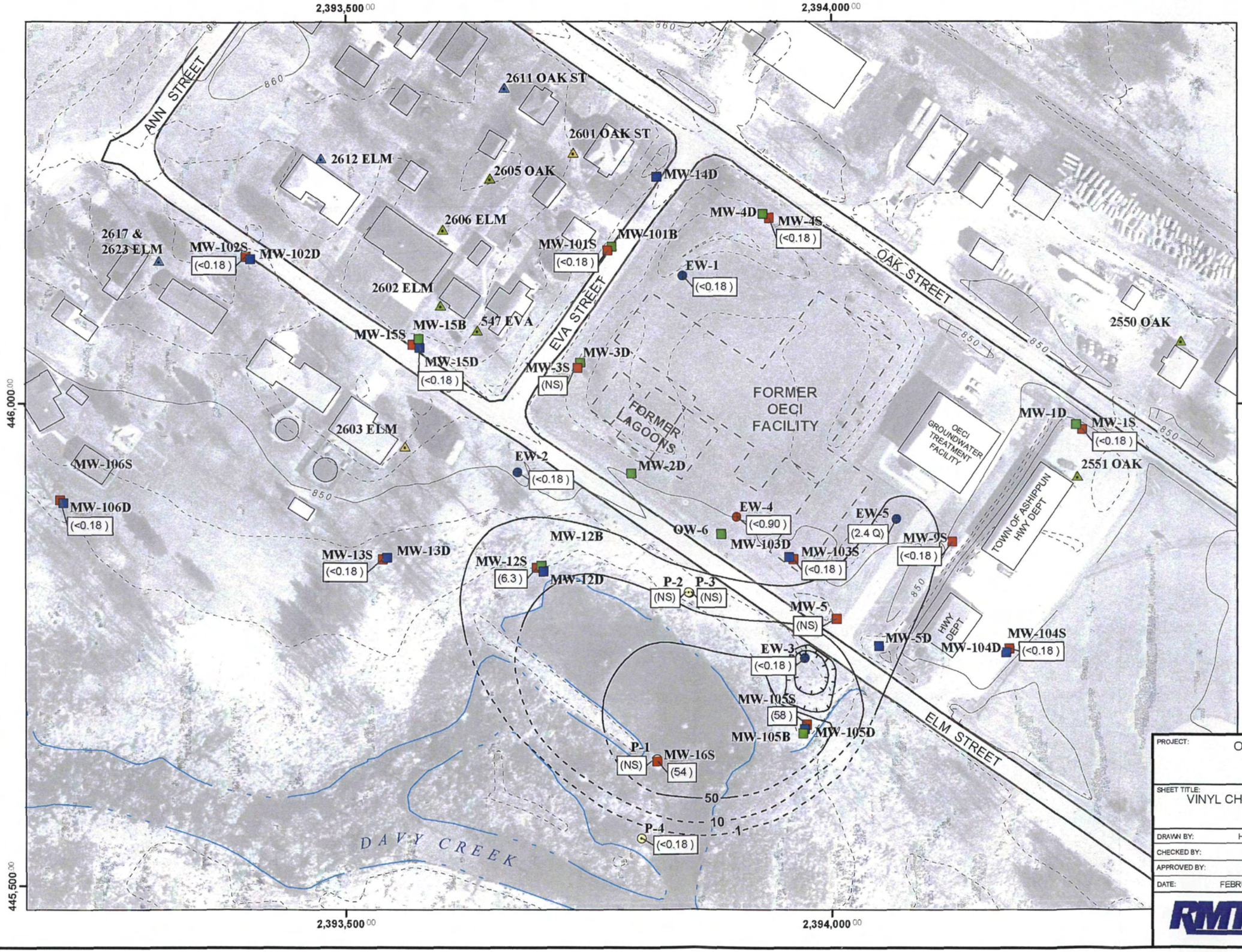
PROJECT: OCONOMOWOC ELECTROPLATING COMPANY, INC. ASHIPPUN, WISCONSIN

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		FILE NO. 61050401.MXD
APPROVED BY:	JCO	DATE PRINTED: 02/03/2004	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

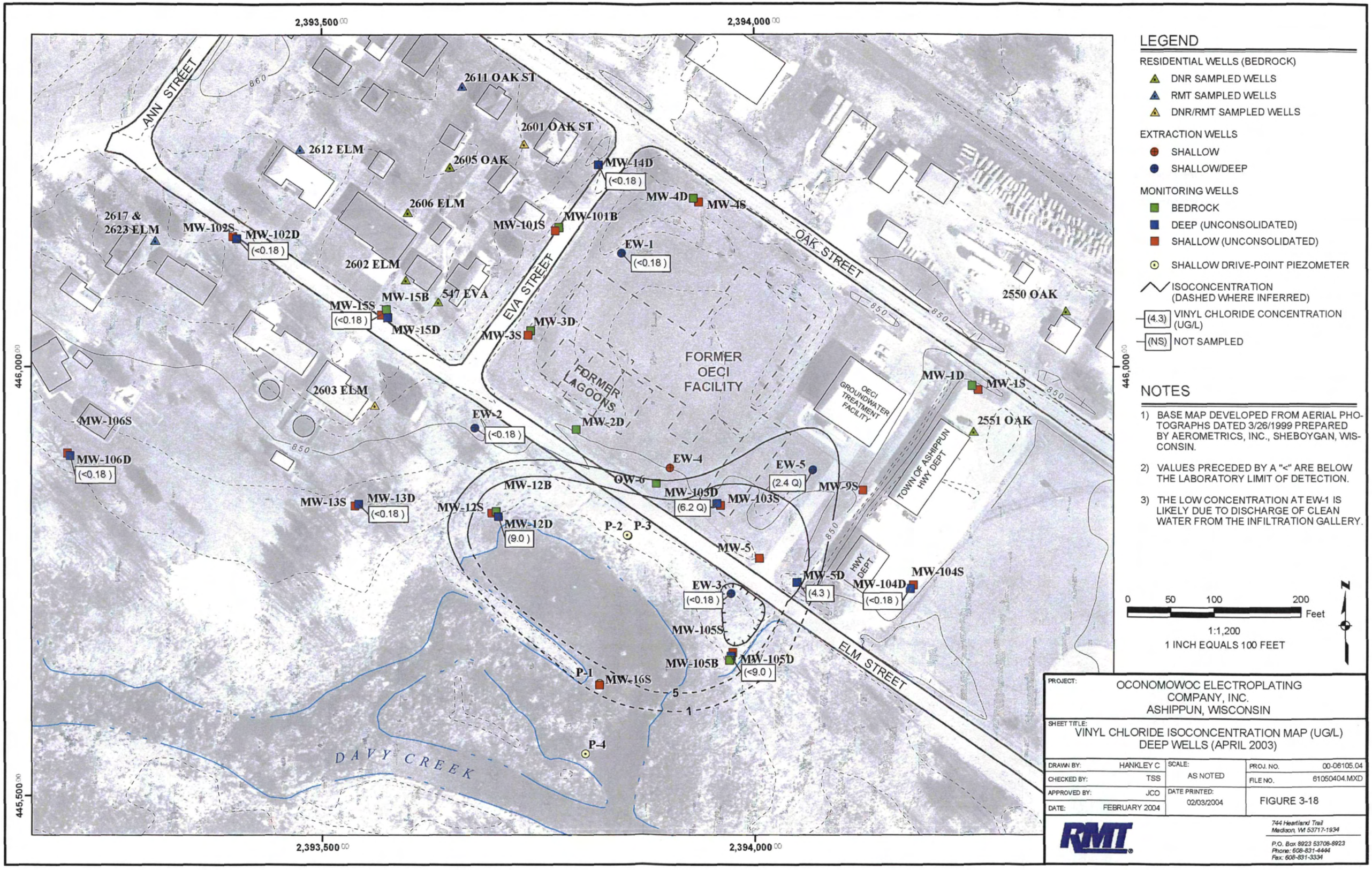
1) BASE MAP DEVELOPED FROM AERIAL PHOTOGRAPHS DATED 3/26/1999 PREPARED BY AEROMETRICS, INC., SHEBOYGAN, WISCONSIN.
2) VALUES PRECEDED BY A "<" ARE BELOW THE LABORATORY LIMIT OF DETECTION.
3) THE LOW CONCENTRATION AT EW-1 IS LIKELY DUE TO DISCHARGE OF CLEAN WATER FROM THE INFILTRATION GALLERY.

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	PROJ. NO.	00-06105.04
CHECKED BY: TSS		FILE NO.	61050403.MXD
APPROVED BY: JCO	DATE PRINTED: 02/03/2004	FIGURE 3-17	
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.

0 50 100 200 Feet

1:1,200
1 INCH EQUALS 100 FEET

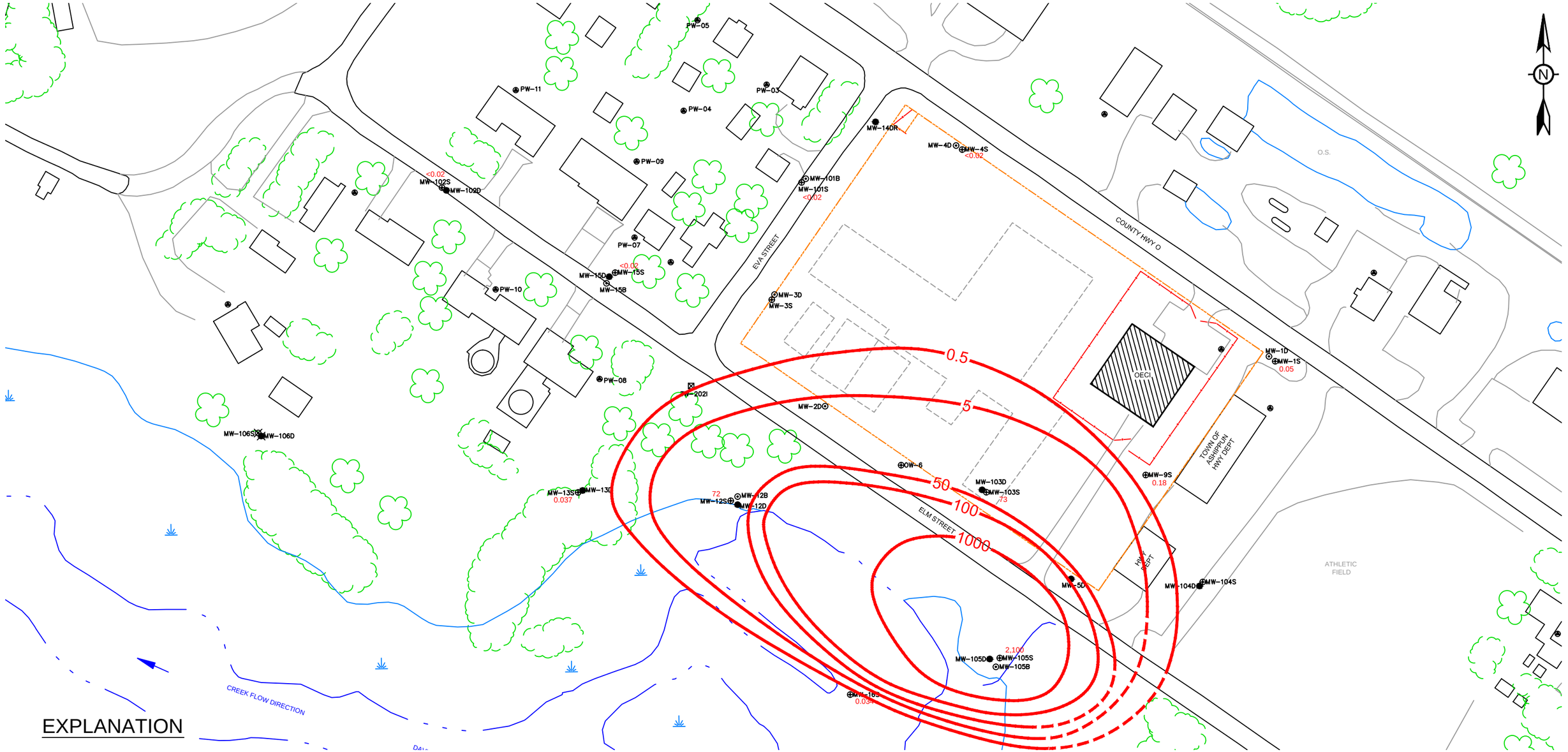
N

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			

RMT
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–202I	TEMPORARY WELL
	FORMER OECI SITE BOUNDARY
	FENCED AREA

72 — TCE CONCENTRATION (ug/L)

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

0 100 200

SCALE IN FEET

TITLE: OCONOMOWOC ELECTROPLATING COMPANY, INC.
MAY 2015 SAMPLING EVENT SHALLOW-DEPTH MONITORING WELLS TCE ISOCONCENTRATION MAP

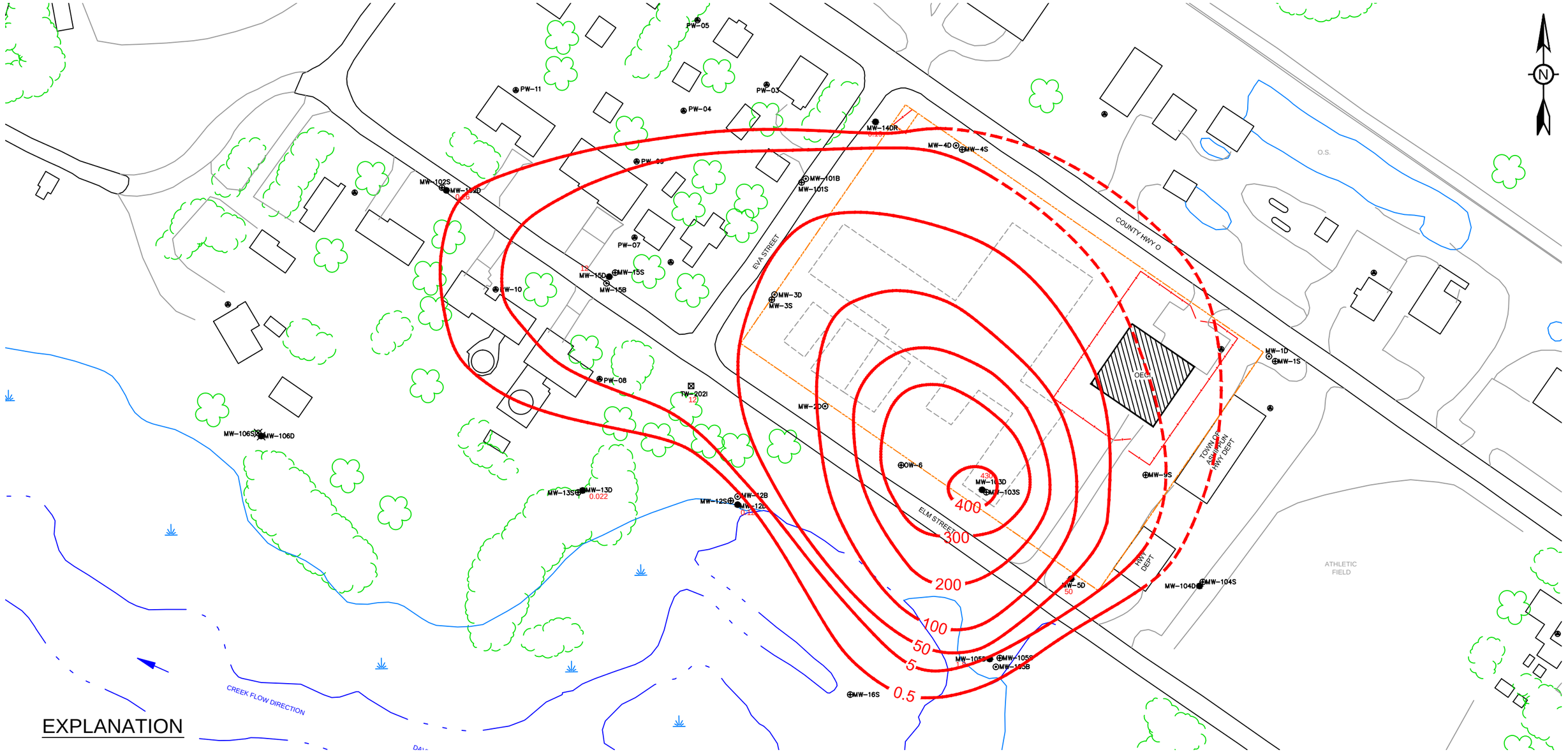
LOCATION: ASHIPPUN, WISCONSIN

TETRA TECH

CHECKED	MAM
DRAFTED	HJW
PROJECT	117-7413001
DATE	7/6/15

FIGURE: 5

S:\CAD\OCONOMOWOC ELECTROPLATING\WATER QUALITY MAPS\FIG 5.DWG



EXPLANATION

MW–105B	BEDROCK MONITORING WELL
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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
	FENCED AREA
50	TCE CONCENTRATION (ug/L)
50	TCE ISOCONCENTRATION CONTOUR (ug/L) DASHED WHERE INFERRED

0 100 200

SCALE IN FEET

TITLE: OCONOMOWOC ELECTROPLATING COMPANY, INC.
MAY 2015 SAMPLING EVENT MID-DEPTH
MONITORING WELLS TCE ISOCONCENTRATION MAP

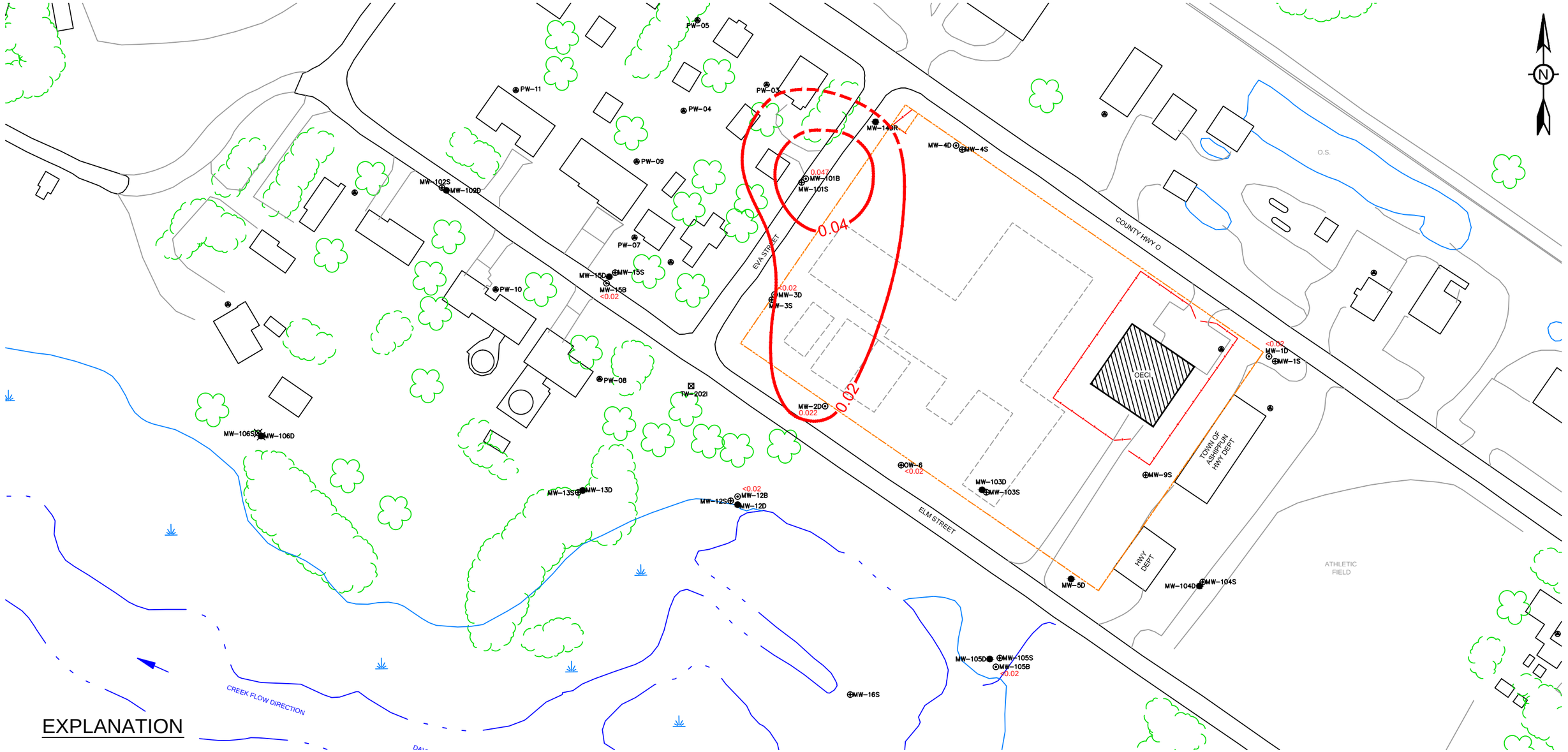
LOCATION: ASHIPPUN, WISCONSIN

TETRA TECH

CHECKED	MAM
DRAFTED	HJW
PROJECT	117-7413001
DATE	7/10/12

FIGURE: 6

S:\CAD\OCONOMOWOC ELECTROPLATING\WATER QUALITY MAPS\FIG 6.DWG



EXPLANATION

MW–105B	BEDROCK MONITORING WELL
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MW–106D	DEEP UNCONSOLIDATED SENTINEL WELL
MW–106S	SHALLOW UNCONSOLIDATED SENTINEL WELL
TW–202I	TEMPORARY WELL
	FORMER OECI SITE BOUNDARY
	FENCED AREA

0.047 — TCE CONCENTRATION (ug/L)

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

0 100 200

SCALE IN FEET

TITLE: OCONOMOWOC ELECTROPLATING COMPANY, INC.
MAY 2015 SAMPLING EVENT BEDROCK
MONITORING WELLS TCE ISOCONCENTRATION MAP

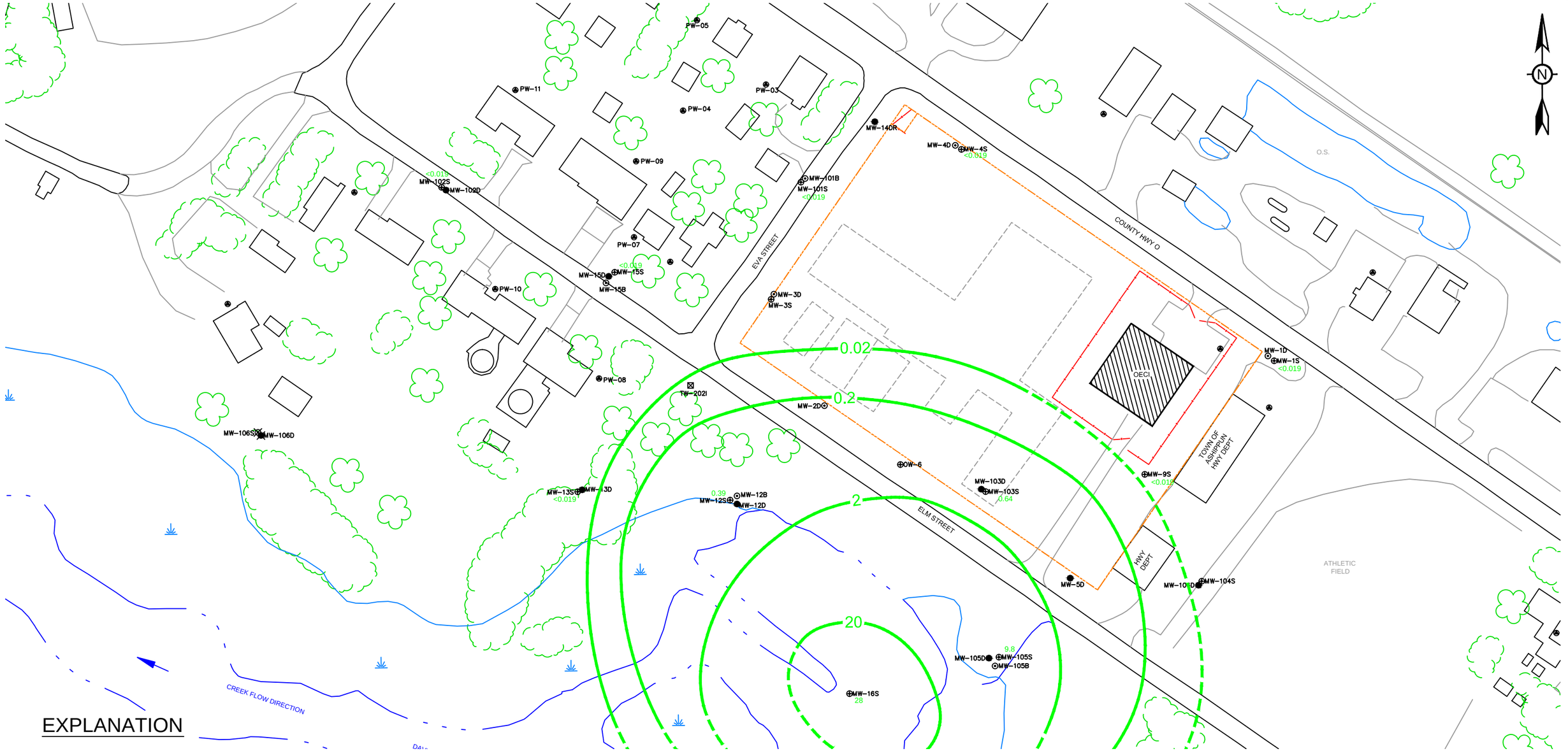
LOCATION: ASHIPPUN, WISCONSIN

TETRA TECH

CHECKED	MAM
DRAFTED	HJW
PROJECT	117-7413001
DATE	7/10/12

FIGURE: 7

S:\CAD\OCONOMOWOC ELECTROPLATING\WATER QUALITY MAPS\FIG 7.DWG



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
----	FENCED AREA

28 — VINYL CHLORIDE CONCENTRATION (ug/L)

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

0 100 200

SCALE IN FEET

TITLE: OCONOMOWOC ELECTROPLATING COMPANY, INC.
MAY 2015 SAMPLING EVENT SHALLOW-DEPTH MONITORING WELLS VINYL CHLORIDE ISOCONCENTRATION MAP

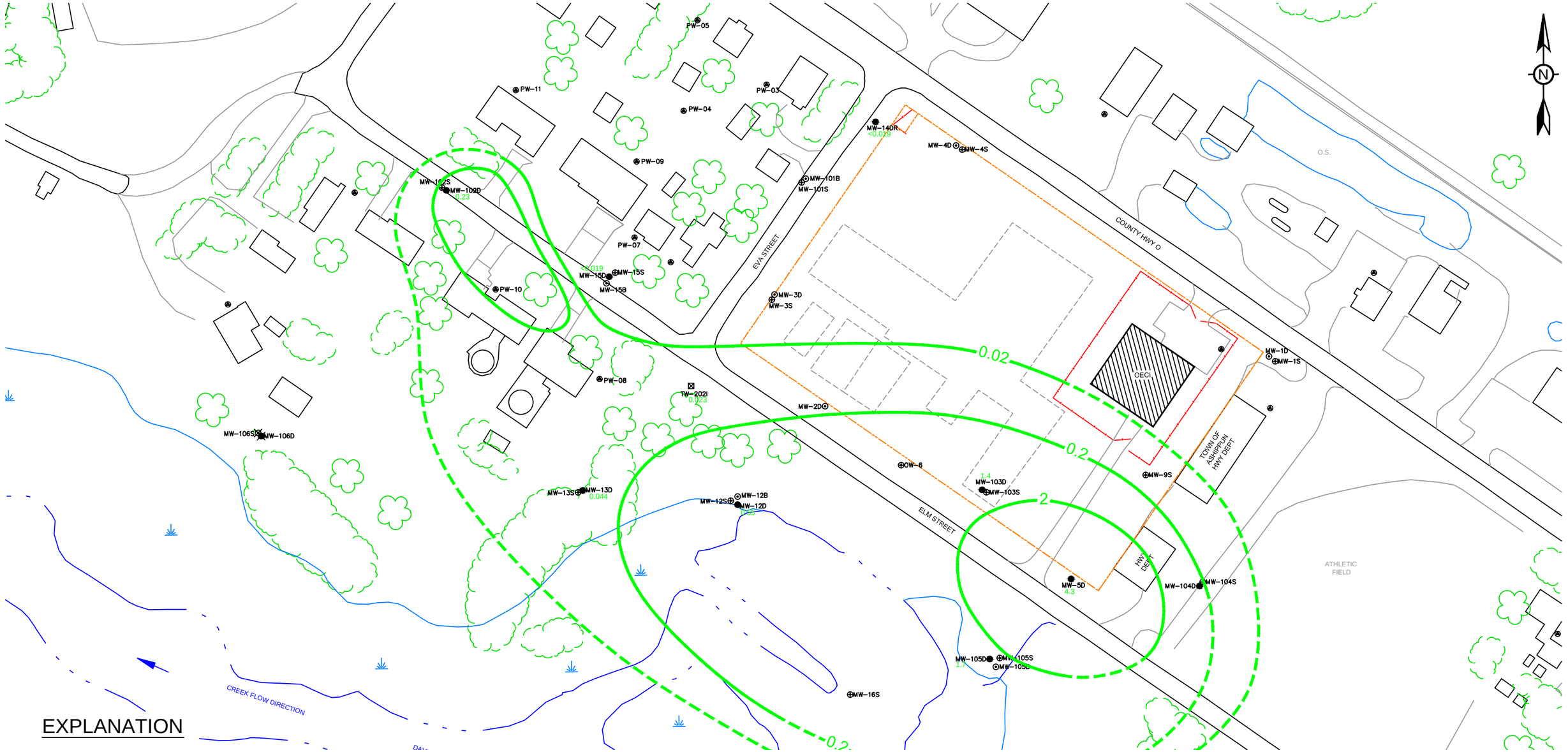
LOCATION: ASHIPPUN, WISCONSIN

TETRA TECH

CHECKED	MAM
DRAFTED	HJW
PROJECT	117-7413001
DATE	8/20/15

FIGURE: 8

S:\CAD\OCONOMOWOC ELECTROPLATING\WATER QUALITY MAPS\FIG 8.DWG



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
	FENCED AREA

4.3 — VINYL CHLORIDE CONCENTRATION (ug/L)

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

0 100 200
SCALE IN FEET

TITLE: OCONOMOWOC ELECTROPLATING COMPANY, INC.
MAY 2015 SAMPLING EVENT MID-DEPTH
MONITORING WELLS VINYL CHLORIDE ISOCONCENTRATION MAP

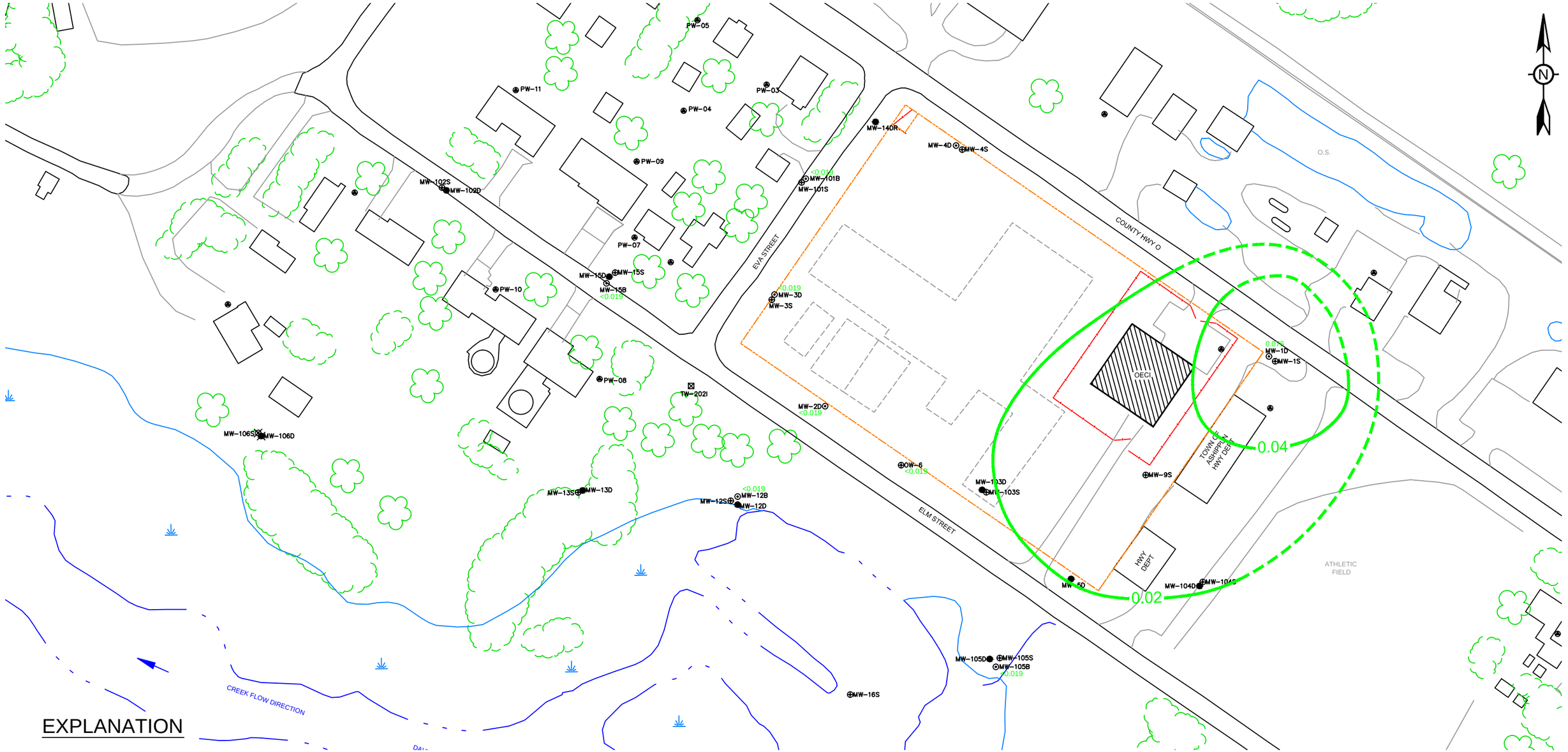
LOCATION: ASHIPPUN, WISCONSIN

TETRA TECH

CHECKED	MAM
DRAFTED	HJW
PROJECT	117-7413001
DATE	7/10/12

FIGURE: 9

S:\CAD\OCONOMOWOC ELECTROPLATING\WATER QUALITY MAPS\FIG 9.DWG



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
	FENCED AREA

0.076 — VINYL CHLORIDE CONCENTRATION (ug/L)

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

0 100 200

SCALE IN FEET

TITLE: OCONOMOWOC ELECTROPLATING COMPANY, INC.
MAY 2015 SAMPLING EVENT BEDROCK
MONITORING WELLS VINYL CHLORIDE ISOCONCENTRATION MAP

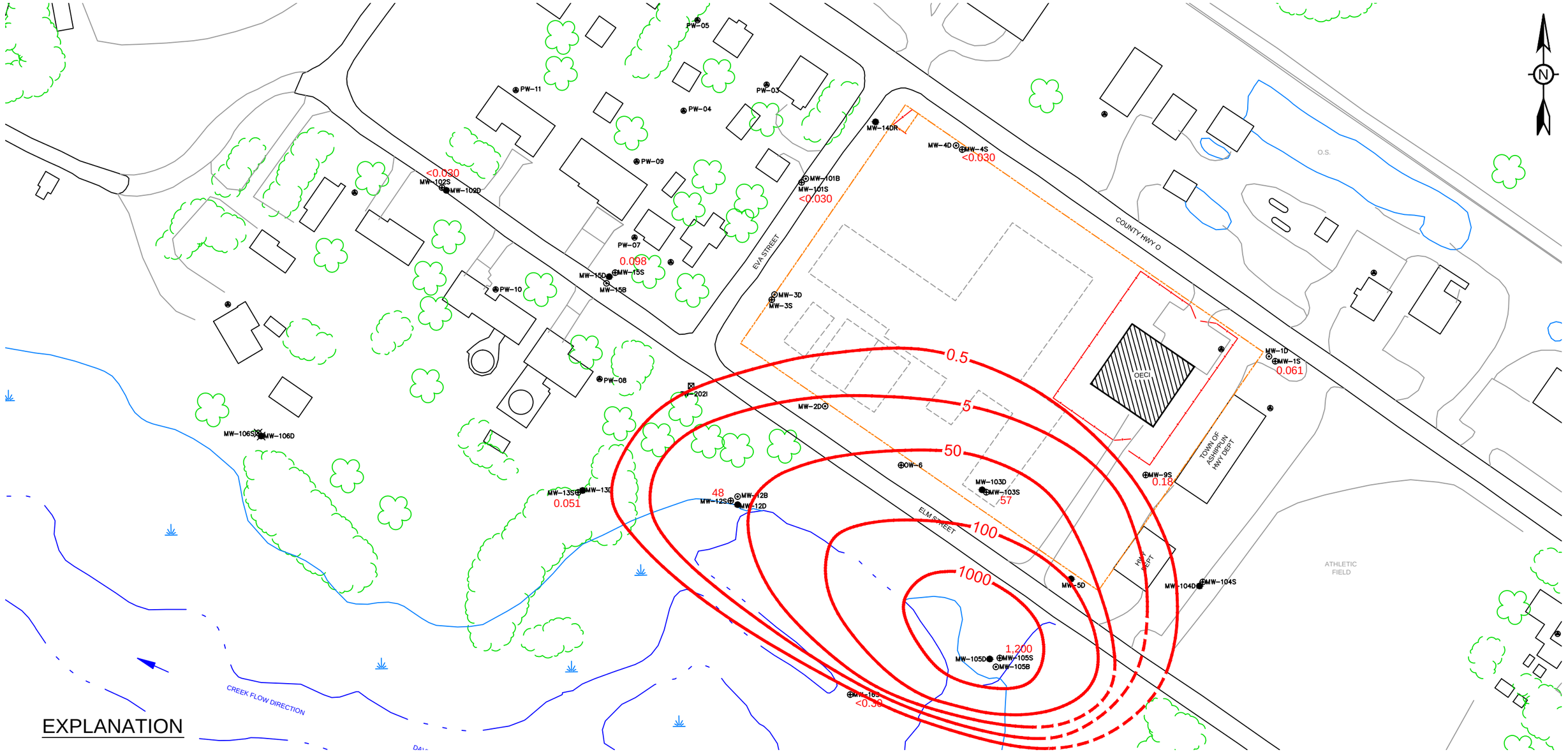
LOCATION: ASHIPPUN, WISCONSIN

TETRA TECH

CHECKED	MAM
DRAFTED	HJW
PROJECT	117-7413001
DATE	7/6/15

FIGURE: 10

S:\CAD\OCONOMOWOC ELECTROPLATING\WATER QUALITY MAPS\FIG 10.DWG



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
	FENCED AREA

72 — TCE CONCENTRATION (ug/L)

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

0 100 200

SCALE IN FEET

TITLE: OCONOMOWOC ELECTROPLATING COMPANY, INC.
MAY 2016 SAMPLING EVENT SHALLOW-DEPTH MONITORING WELLS TCE ISOCONCENTRATION MAP

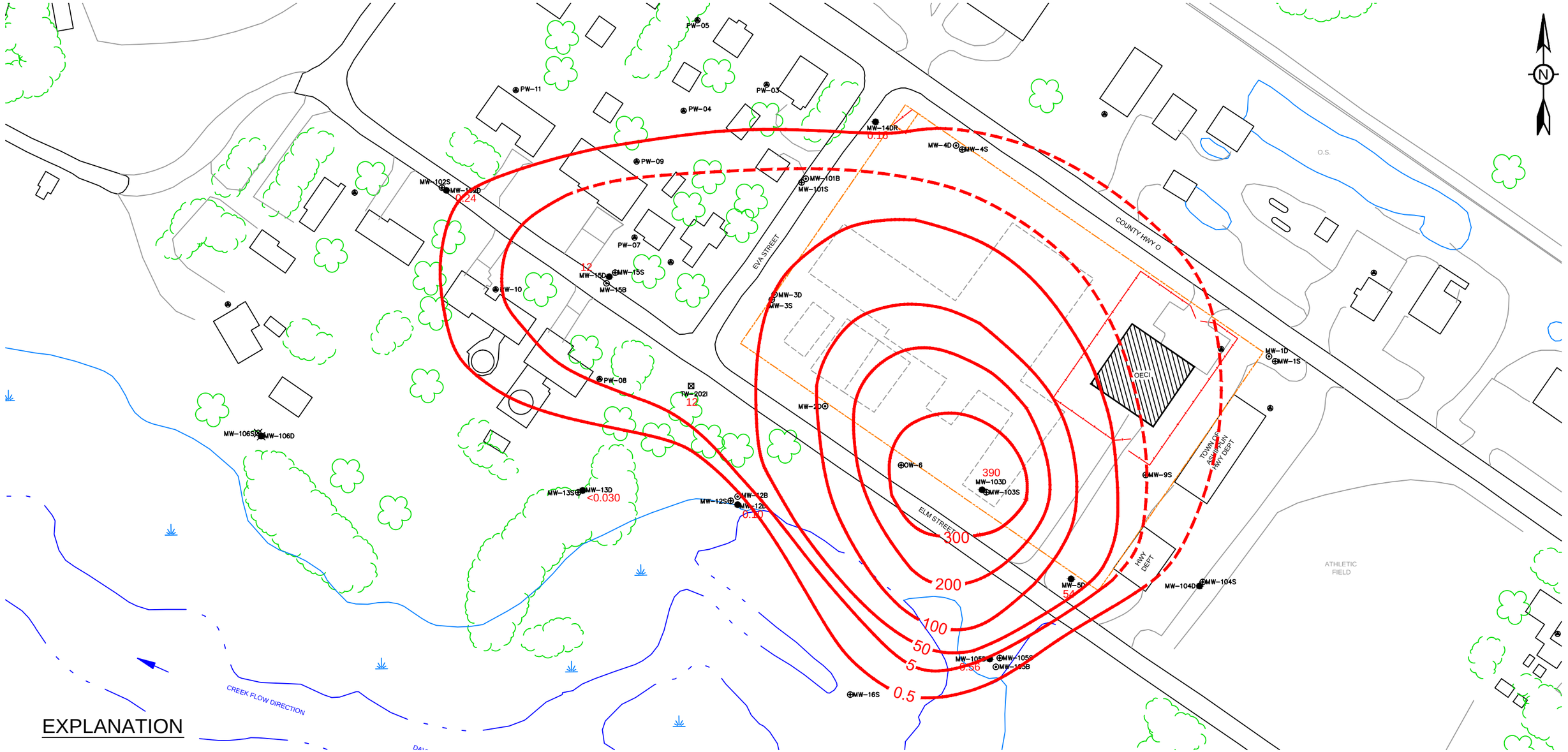
LOCATION: ASHIPPUN, WISCONSIN

TETRA TECH

CHECKED	MAM
DRAFTED	HJW
PROJECT	117-7413001
DATE	6/20/16

FIGURE: 5

S:\CAD\OCONOMOWOC ELECTROPLATING\WATER QUALITY MAPS\6-20-16\FIG 5.DWG



EXPLANATION

MW–105B	BEDROCK MONITORING WELL
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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
	FENCED AREA

50 — TCE CONCENTRATION (ug/L)

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

0 100 200

SCALE IN FEET

TITLE: OCONOMOWOC ELECTROPLATING COMPANY, INC.
MAY 2016 SAMPLING EVENT MID-DEPTH
MONITORING WELLS TCE ISOCONCENTRATION MAP

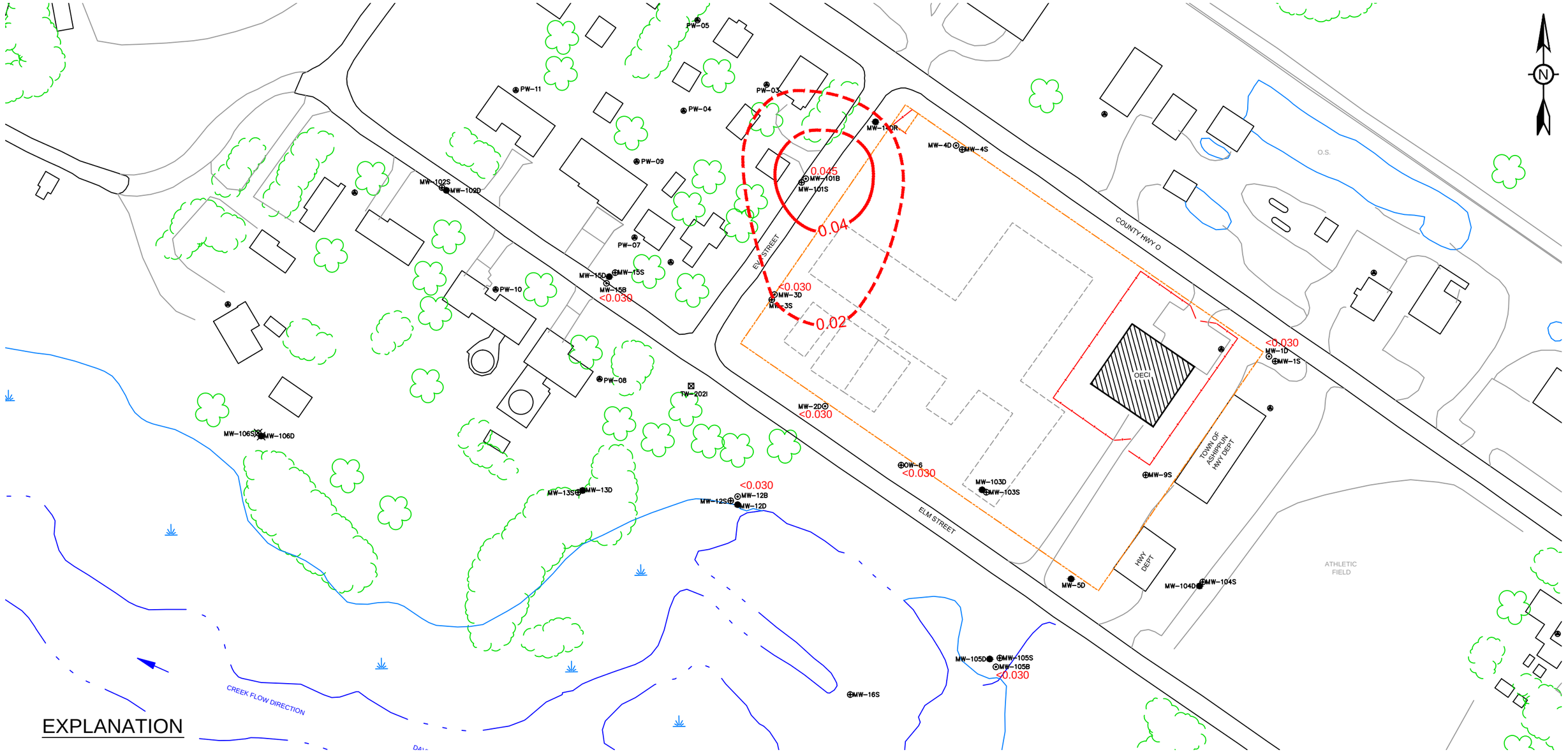
LOCATION: ASHIPPUN, WISCONSIN

TETRA TECH

CHECKED	MAM
DRAFTED	HJW
PROJECT	117-7413001
DATE	6/20/16

FIGURE: 6

S:\CAD\OCONOMOWOC ELECTROPLATING\WATER QUALITY MAPS\6-20-16\FIG 6.DWG



EXPLANATION

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MW-106S	SHALLOW UNCONSOLIDATED SENTINEL WELL
TW-202I	TEMPORARY WELL
	FORMER OECI SITE BOUNDARY
	FENCED AREA

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

0 100 200

SCALE IN FEET

TITLE: OCONOMOWOC ELECTROPLATING COMPANY, INC.
MAY 2016 SAMPLING EVENT BEDROCK MONITORING WELLS TCE ISOCONCENTRATION MAP

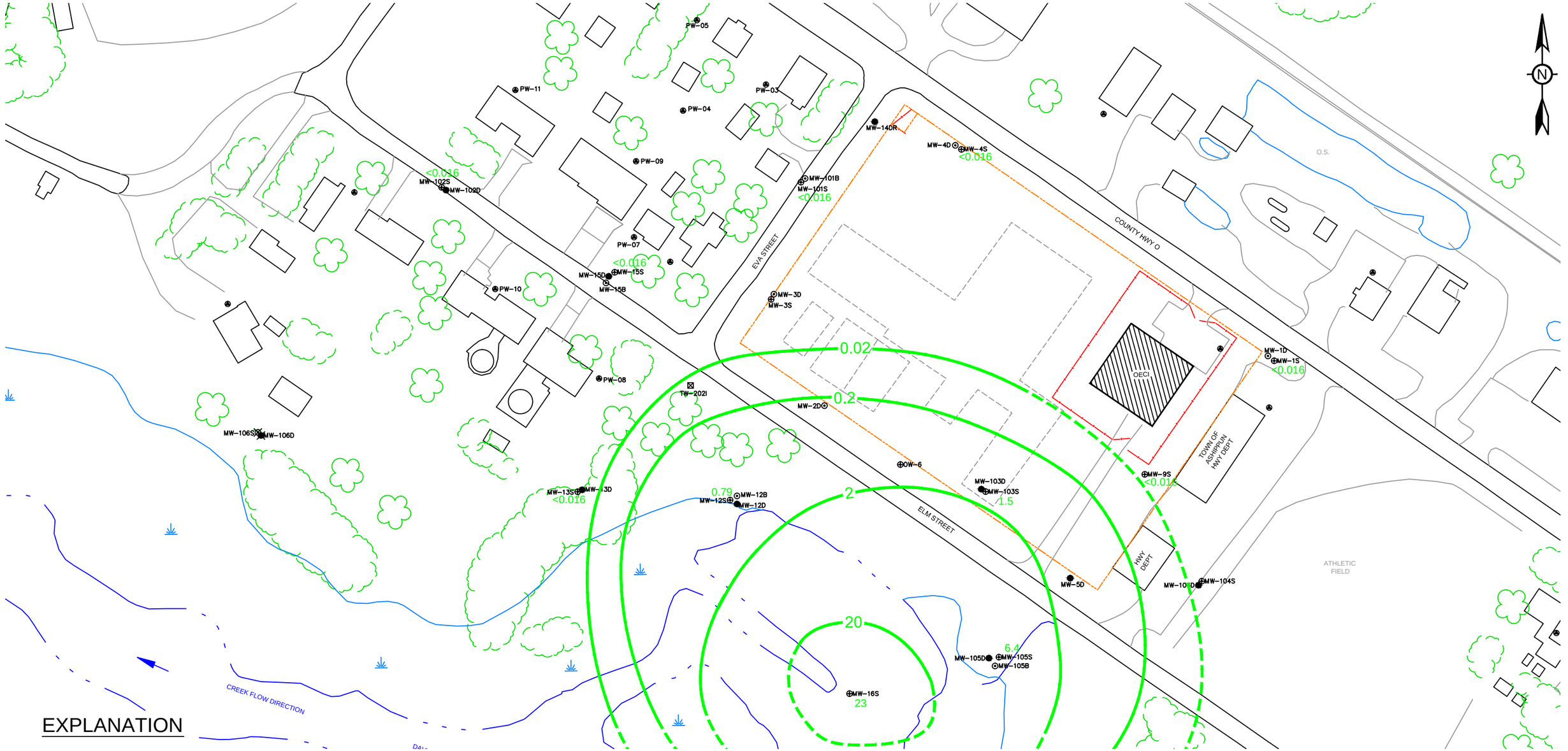
LOCATION: ASHIPPUN, WISCONSIN

TETRA TECH

CHECKED	MAM
DRAFTED	HJW
PROJECT	117-7413001
DATE	6/20/16

FIGURE: 7

S:\CAD\OCONOMOWOC ELECTROPLATING\WATER QUALITY MAPS\6-20-16\FIG 7.DWG



EXPLANATION

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MW–106D	DEEP UNCONSOLIDATED SENTINEL WELL
MW–106S	SHALLOW UNCONSOLIDATED SENTINEL WELL
TW–202I	TEMPORARY WELL
	FORMER OECI SITE BOUNDARY
	FENCED AREA

28 — VINYL CHLORIDE CONCENTRATION (ug/L)

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

0 100 200
SCALE IN FEET

TITLE: OCONOMOWOC ELECTROPLATING COMPANY, INC.
MAY 2016 SAMPLING EVENT SHALLOW-DEPTH
MONITORING WELLS VINYL CHLORIDE ISOCONCENTRATION MAP

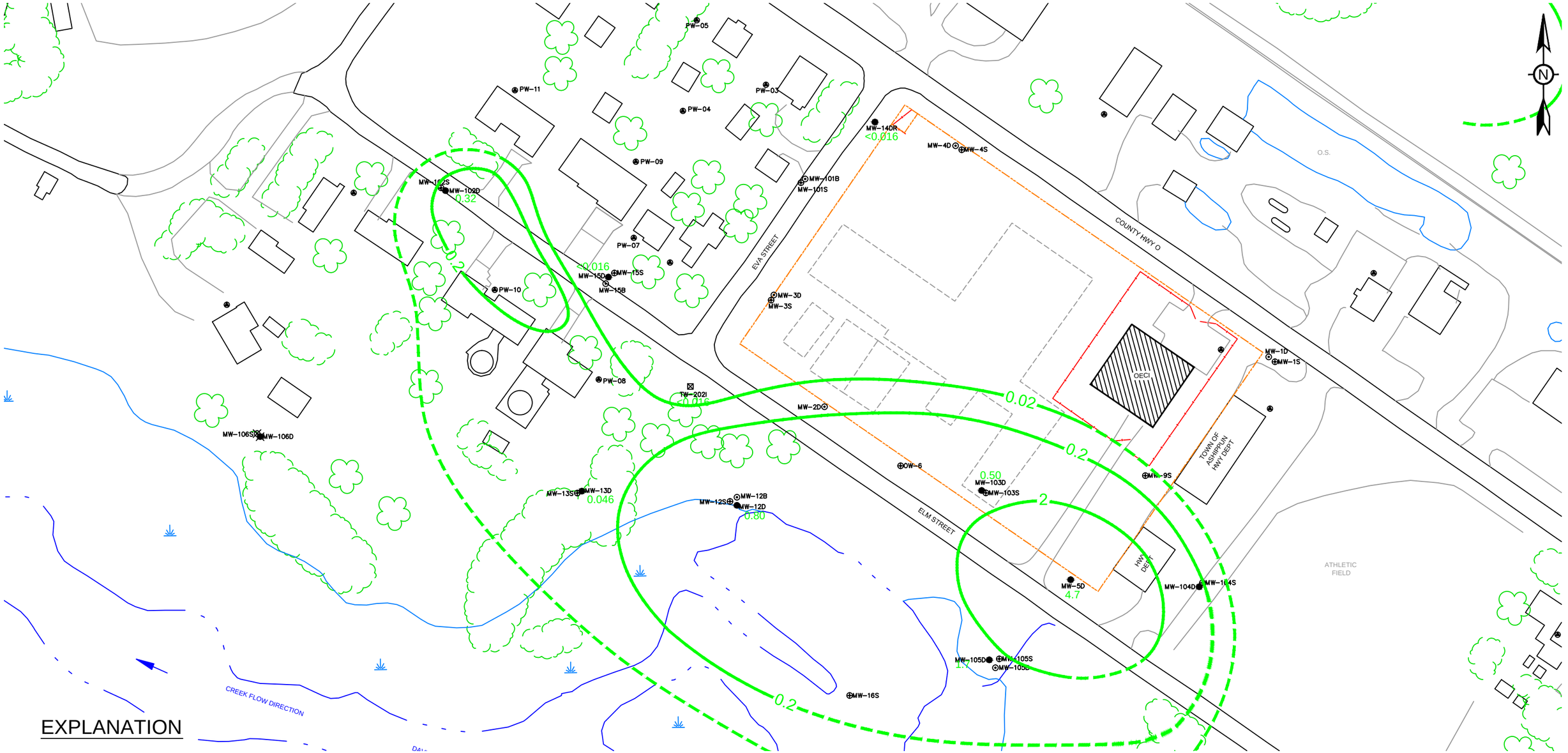
LOCATION: ASHIPPUN, WISCONSIN

TETRA TECH

CHECKED	MAM
DRAFTED	HJW
PROJECT	117-7413001
DATE	6/20/16

FIGURE: 8

S:\CAD\OCONOMOWOC ELECTROPLATING\WATER QUALITY MAPS\6-20-16\FIG 8.DWG



EXPLANATION

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MW–106S	SHALLOW UNCONSOLIDATED SENTINEL WELL
TW–202I	TEMPORARY WELL
	FORMER OECI SITE BOUNDARY
	FENCED AREA

4.3 — VINYL CHLORIDE CONCENTRATION (ug/L)

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

0 100 200

SCALE IN FEET

TITLE: OCONOMOWOC ELECTROPLATING COMPANY, INC.
MAY 2016 SAMPLING EVENT MID-DEPTH
MONITORING WELLS VINYL CHLORIDE ISOCONCENTRATION MAP

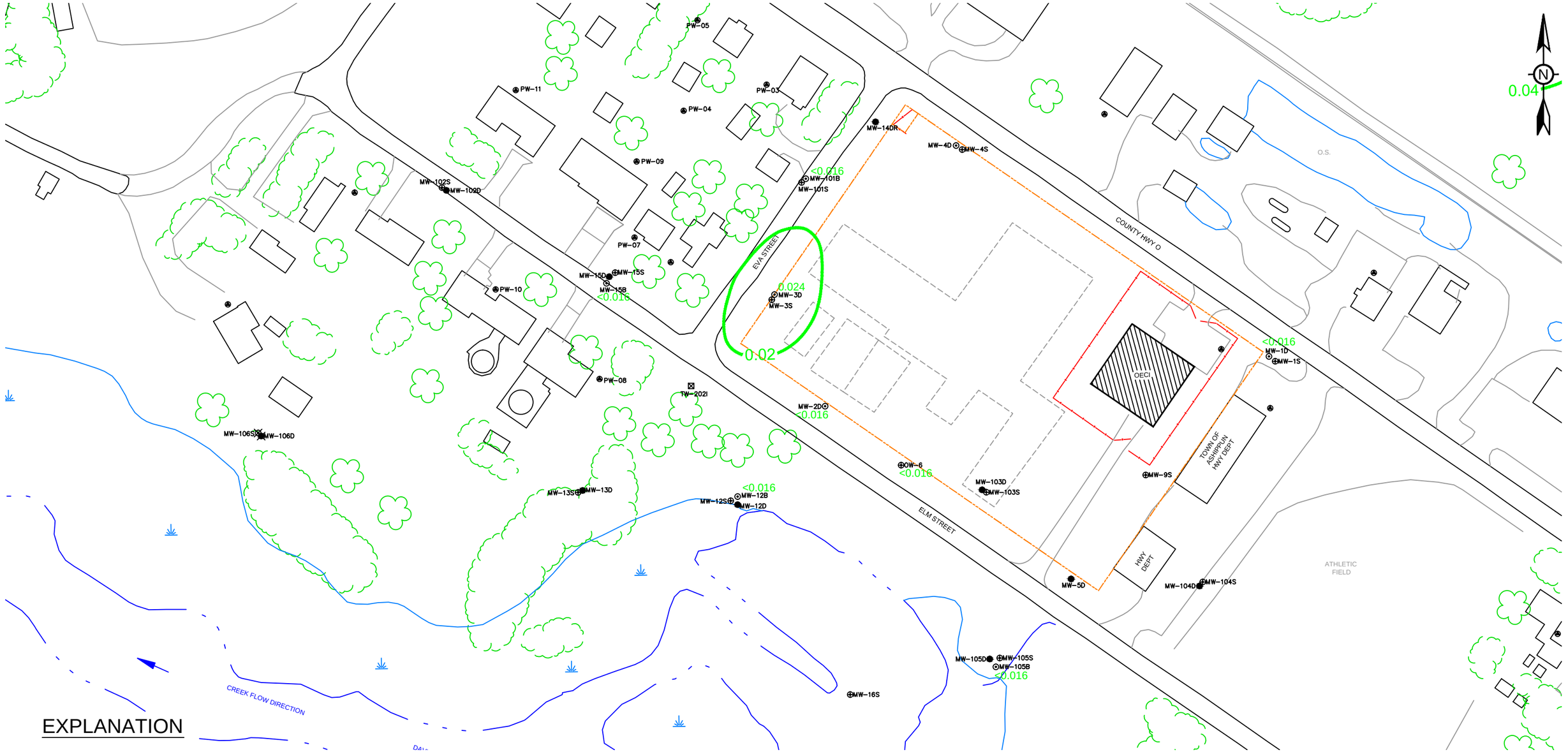
LOCATION: ASHIPPUN, WISCONSIN

TETRA TECH

CHECKED	MAM
DRAFTED	HJW
PROJECT	117-7413001
DATE	6/20/16

FIGURE: 9

S:\CAD\OCONOMOWOC ELECTROPLATING\WATER QUALITY MAPS\6-20-16\FIG 9.DWG



EXPLANATION

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MW-106S	SHALLOW UNCONSOLIDATED SENTINEL WELL
TW-202I	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

0 100 200

SCALE IN FEET

TITLE: OCONOMOWOC ELECTROPLATING COMPANY, INC.
MAY 2016 SAMPLING EVENT BEDROCK
MONITORING WELLS VINYL CHLORIDE ISOCONCENTRATION MAP

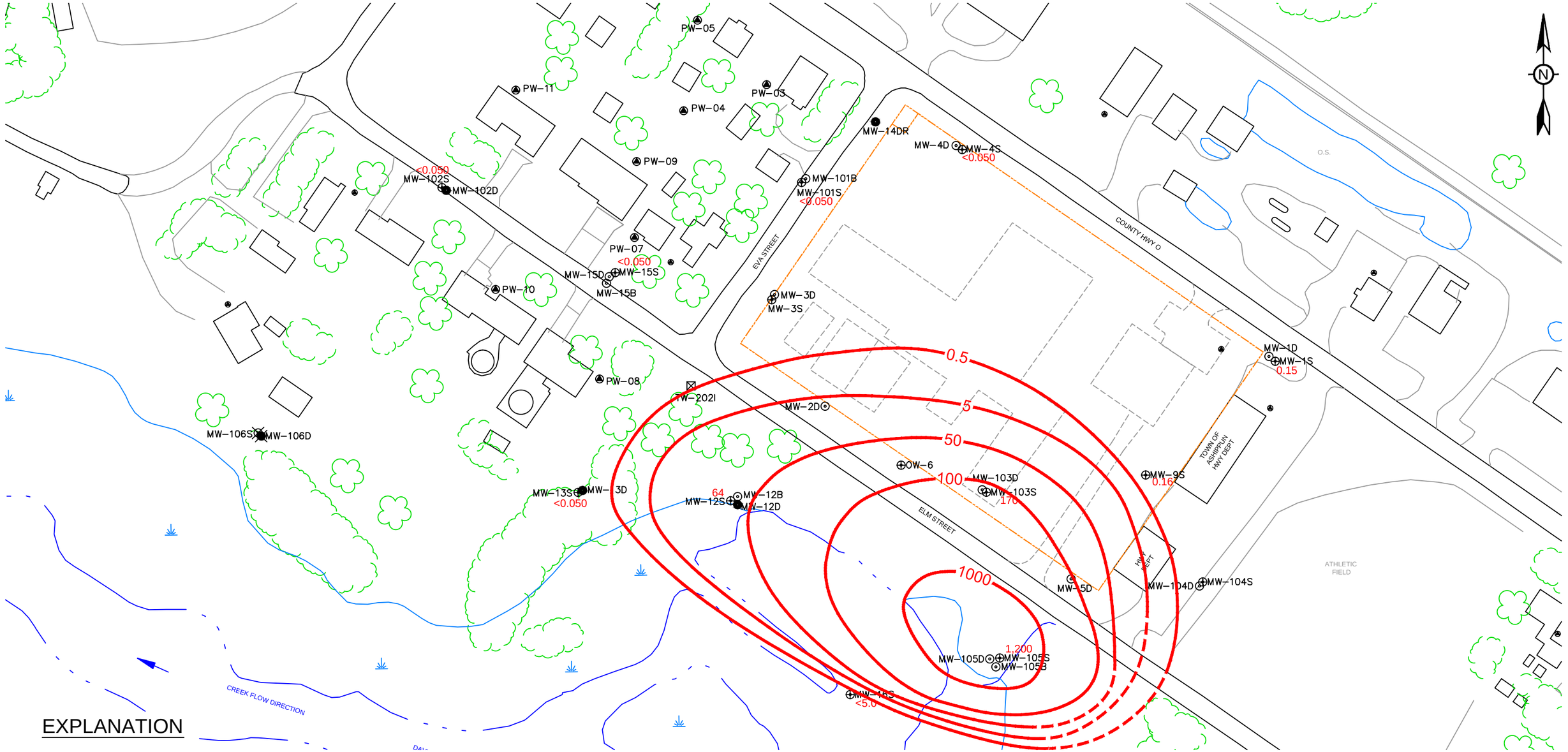
LOCATION: ASHIPPUN, WISCONSIN

TETRA TECH

CHECKED	MAM
DRAFTED	HJW
PROJECT	117-7413001
DATE	6/20/16

FIGURE: 10

S:\CAD\OCONOMOWOC ELECTROPLATING\WATER QUALITY MAPS\6-20-16\FIG 10.DWG



EXPLANATION

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MW–106D	DEEP UNCONSOLIDATED SENTINEL WELL
MW–106S	SHALLOW UNCONSOLIDATED SENTINEL WELL
TW–202I	TEMPORARY WELL
	FORMER OECI SITE BOUNDARY

64 — TCE CONCENTRATION (ug/L)

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

0 100 200

SCALE IN FEET

TITLE: OCONOMOWOC ELECTROPLATING COMPANY, INC.
MAY 2017 SAMPLING EVENT SHALLOW-DEPTH MONITORING WELLS TCE ISOCONCENTRATION MAP

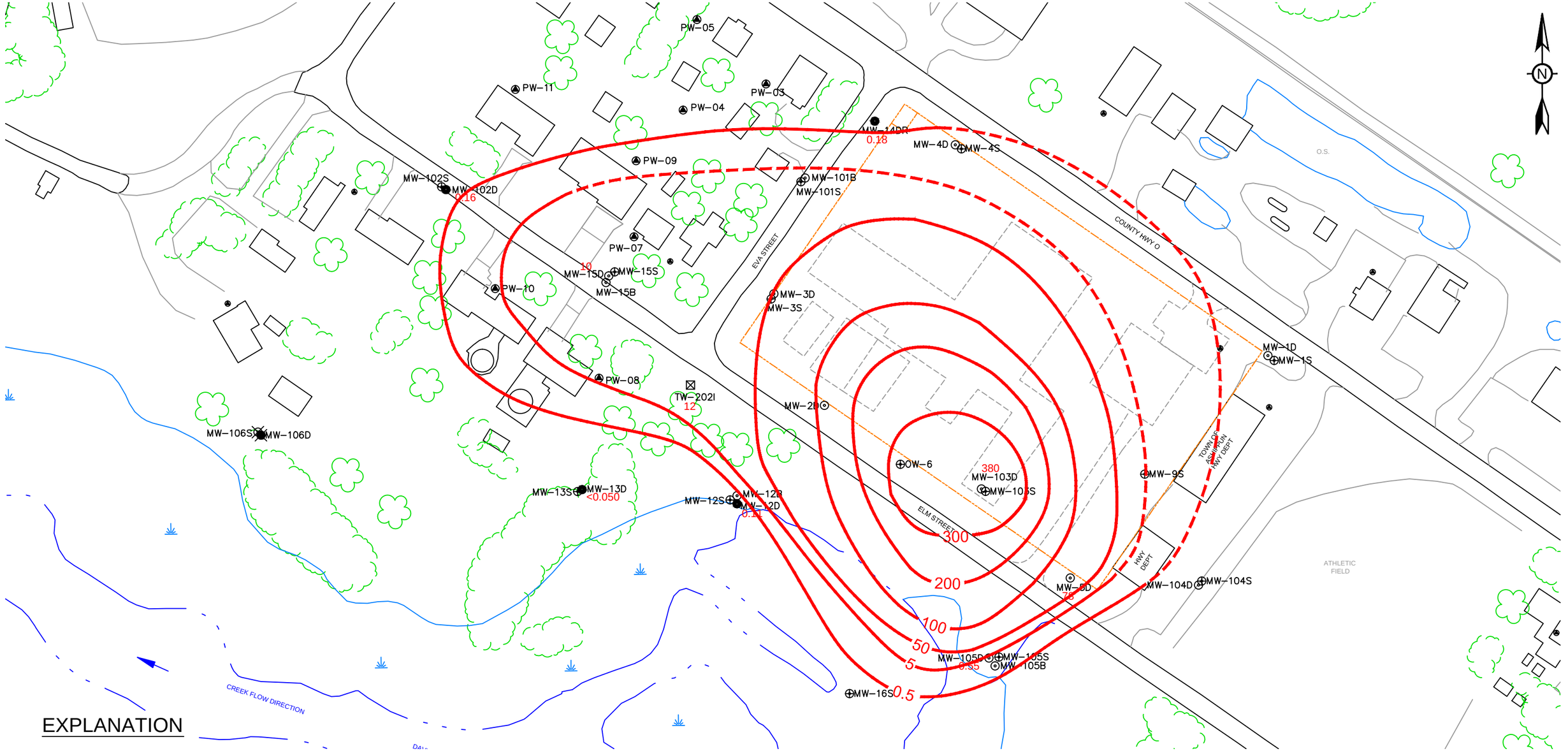
LOCATION: ASHIPPUN, WISCONSIN

TETRA TECH

CHECKED	MAM
DRAFTED	HJW
PROJECT	117-7413001
DATE	6/26/17

FIGURE: 5

S:\CAD\OCONOMOWOC ELECTROPLATING\WATER QUALITY MAPS\6-26-17\FIG 5.DWG



EXPLANATION

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

0 100 200

SCALE IN FEET

TITLE: OCONOMOWOC ELECTROPLATING COMPANY, INC.
MAY 2017 SAMPLING EVENT MID-DEPTH
MONITORING WELLS TCE ISOCONCENTRATION MAP

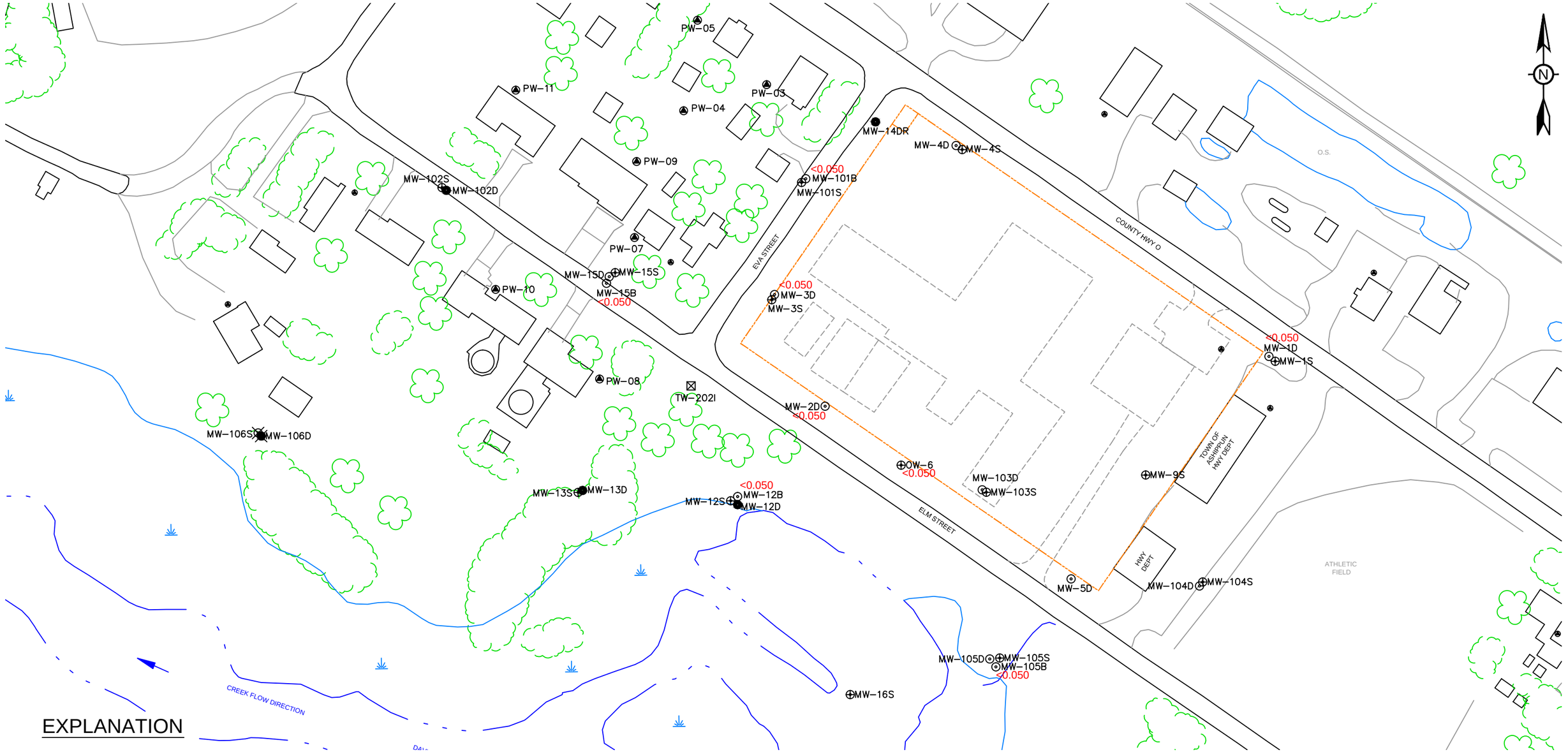
LOCATION: ASHIPPUN, WISCONSIN

TETRA TECH

CHECKED	MAM
DRAFTED	HJW
PROJECT	117-7413001
DATE	6/26/17

FIGURE: 6

S:\CAD\OCONOMOWOC ELECTROPLATING\WATER QUALITY MAPS\6-26-17\FIG 6.DWG



EXPLANATION

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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

<0.050	TCE CONCENTRATION (ug/L)
0.04	TCE ISOCONCENTRATION CONTOUR (ug/L) DASHED WHERE INFERRED

0 100 200

SCALE IN FEET

TITLE: OCONOMOWOC ELECTROPLATING COMPANY, INC.
MAY 2017 SAMPLING EVENT BEDROCK MONITORING WELLS TCE ISOCONCENTRATION MAP

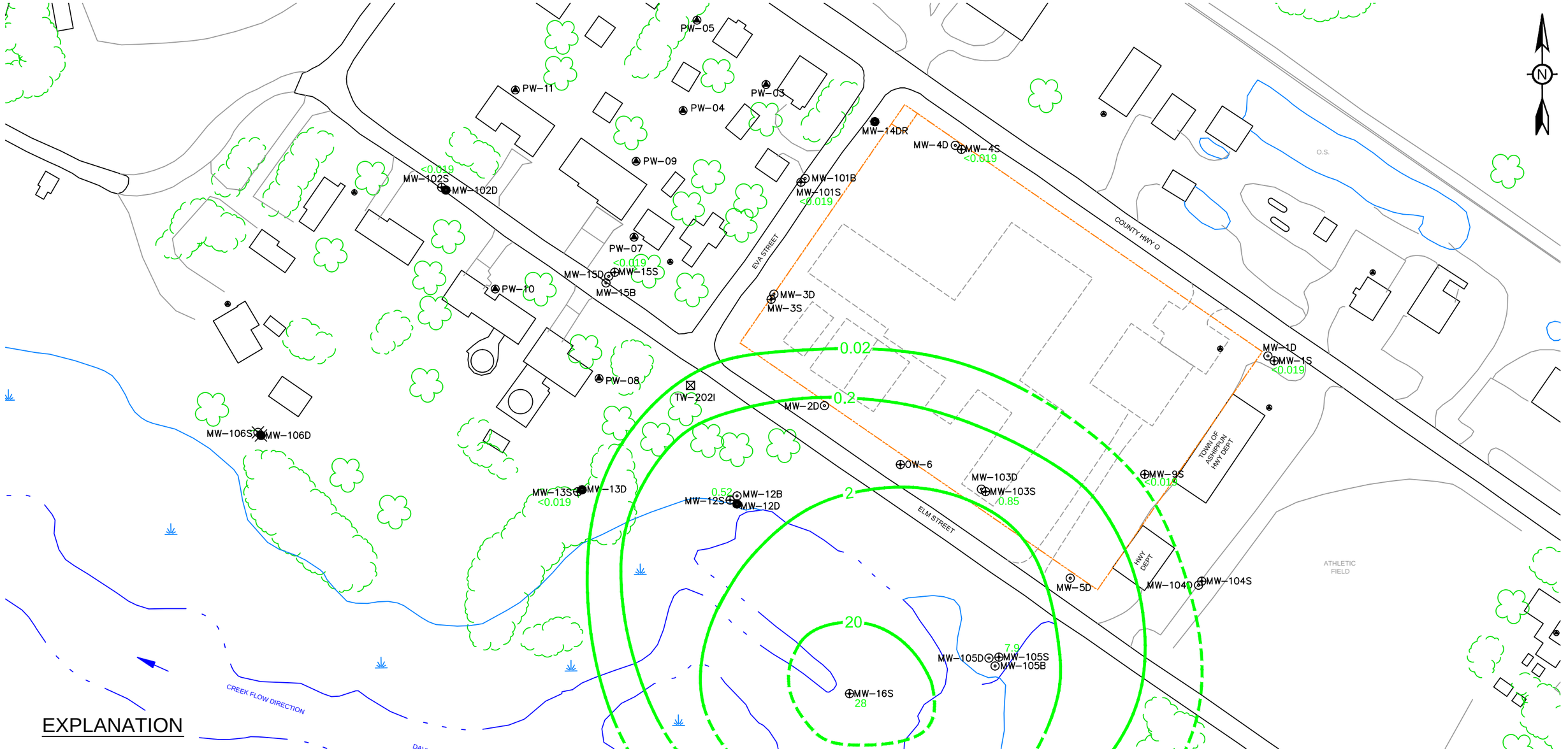
LOCATION: ASHIPPUN, WISCONSIN

TETRA TECH

CHECKED	MAM
DRAFTED	HJW
PROJECT	117-7413001
DATE	6/26/17

FIGURE: 7

S:\CAD\OCONOMOWOC ELECTROPLATING\WATER QUALITY MAPS\6-26-17\FIG 7.DWG



EXPLANATION

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PW-11	RESIDENTIAL WELL
MW-106D	DEEP UNCONSOLIDATED SENTINEL WELL
MW-106S	SHALLOW UNCONSOLIDATED SENTINEL WELL
TW-202I	TEMPORARY WELL
	FORMER OECI SITE BOUNDARY

28 — VINYL CHLORIDE CONCENTRATION (ug/L)

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

0 100 200
SCALE IN FEET

TITLE: OCONOMOWOC ELECTROPLATING COMPANY, INC.
MAY 2017 SAMPLING EVENT SHALLOW-DEPTH
MONITORING WELLS VINYL CHLORIDE ISOCONCENTRATION MAP

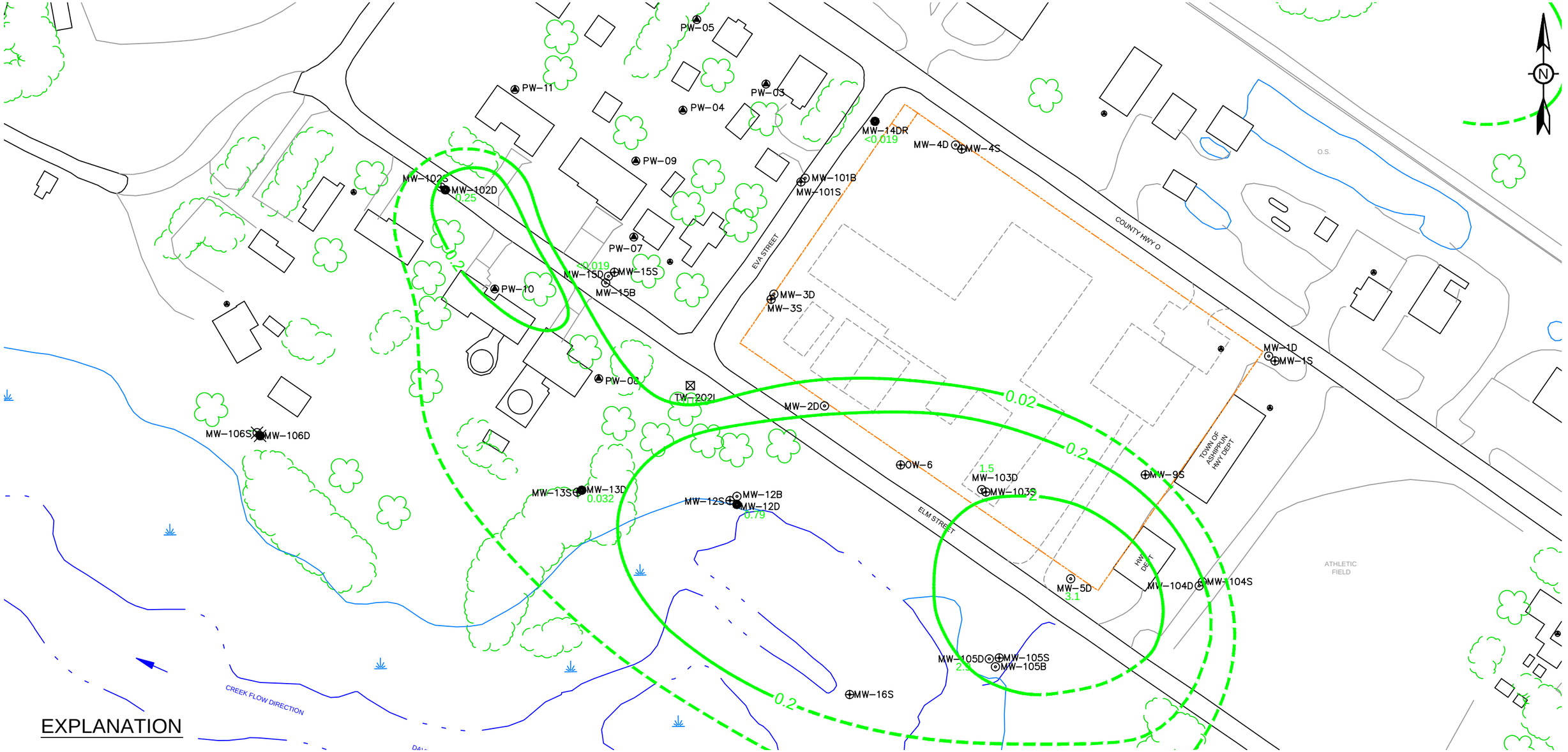
LOCATION: ASHIPPUN, WISCONSIN

TETRA TECH

CHECKED	MAM
DRAFTED	HJW
PROJECT	117-7413001
DATE	6/26/17

FIGURE: 8

S:\CAD\OCONOMOWOC ELECTROPLATING\WATER QUALITY MAPS\6-26-17\FIG 8.DWG



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

3.1 — VINYL CHLORIDE CONCENTRATION (ug/L)

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

0 100 200
SCALE IN FEET

TITLE: OCONOMOWOC ELECTROPLATING COMPANY, INC.
MAY 2017 SAMPLING EVENT MID-DEPTH
MONITORING WELLS VINYL CHLORIDE ISOCONCENTRATION MAP

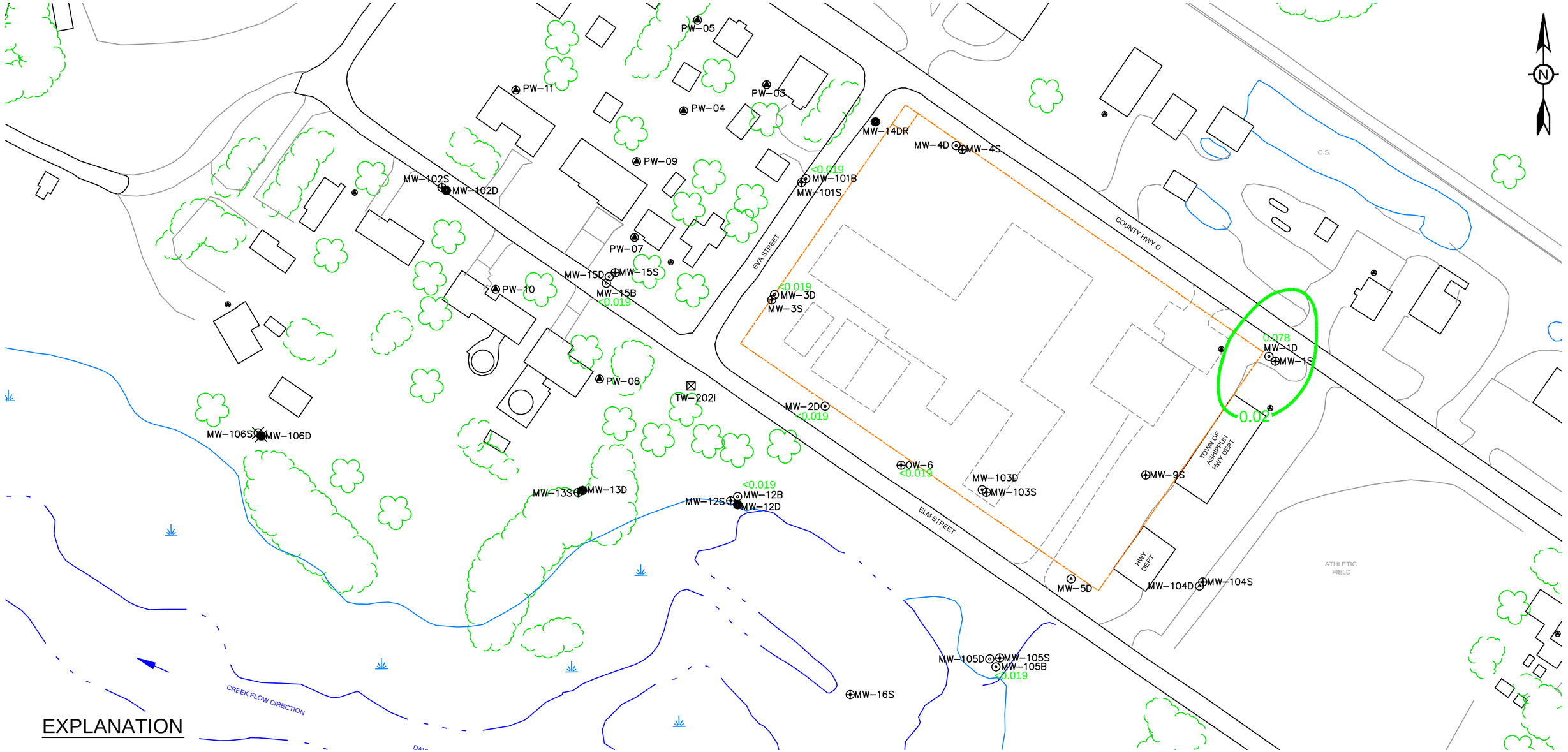
LOCATION: ASHIPPUN, WISCONSIN

TETRA TECH

CHECKED	MAM
DRAFTED	HJW
PROJECT	117-7413001
DATE	6/26/17

FIGURE: 9

S:\CAD\OCONOMOWOC ELECTROPLATING\WATER QUALITY MAPS\6-26-17\FIG 9.DWG



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

0 100 200

SCALE IN FEET

TITLE: OCONOMOWOC ELECTROPLATING COMPANY, INC.
MAY 2017 SAMPLING EVENT BEDROCK
MONITORING WELLS VINYL CHLORIDE ISOCONCENTRATION MAP

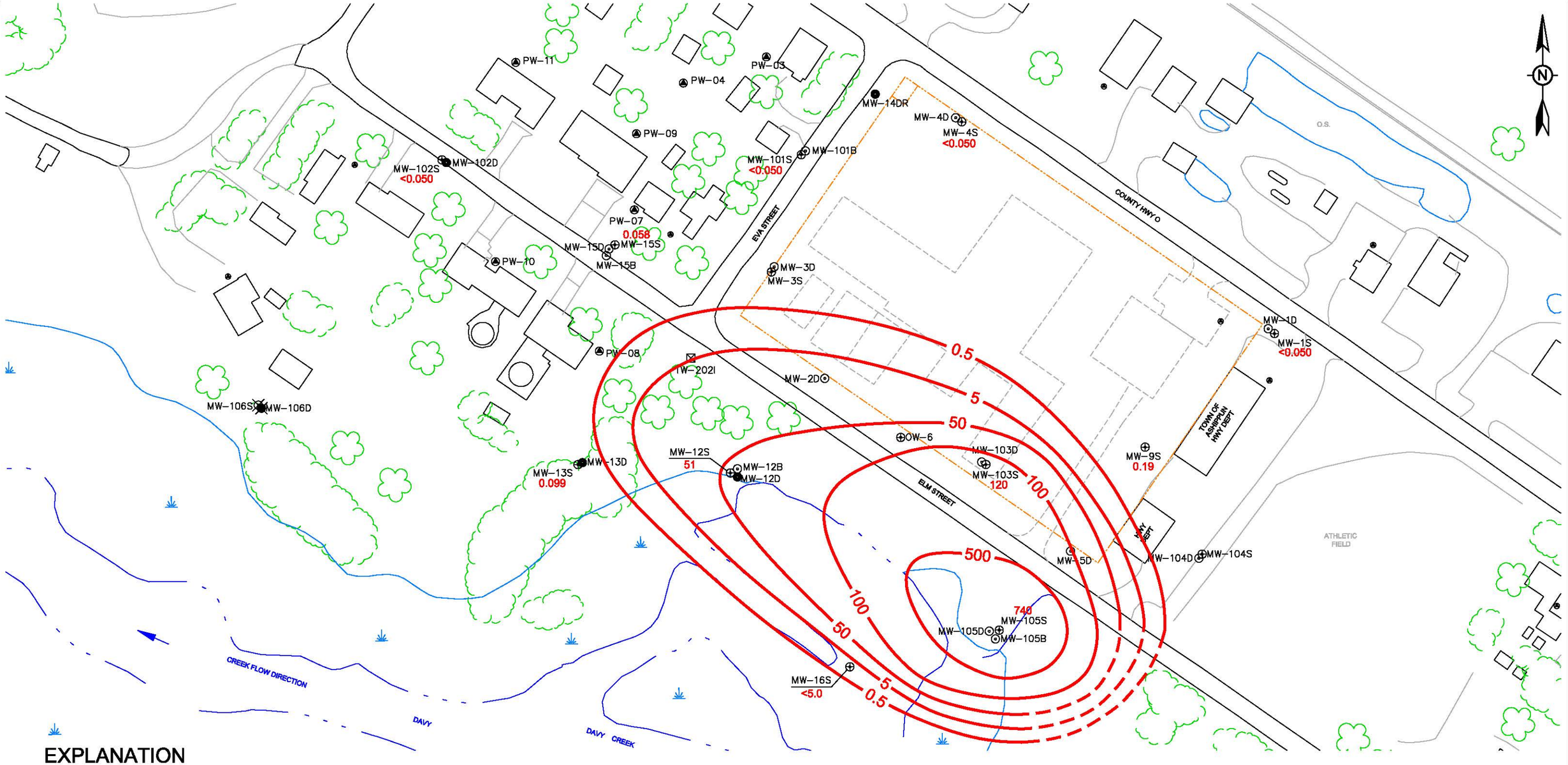
LOCATION: ASHIPPUN, WISCONSIN

TETRA TECH

CHECKED	MAM
DRAFTED	HJW
PROJECT	117-7413001
DATE	6/26/17

FIGURE: 10

S:\CAD\OCONOMOWOC ELECTROPLATING\WATER QUALITY MAPS\6-26-17\FIG 10.DWG



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

650 — TCE CONCENTRATION (ug/L)

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

0 100 200

SCALE IN FEET

TITLE: OCONOMOWOC ELECTROPLATING COMPANY, INC.
NOVEMBER 2017 SAMPLING EVENT SHALLOW-DEPTH MONITORING WELLS TCE ISOCONCENTRATION MAP

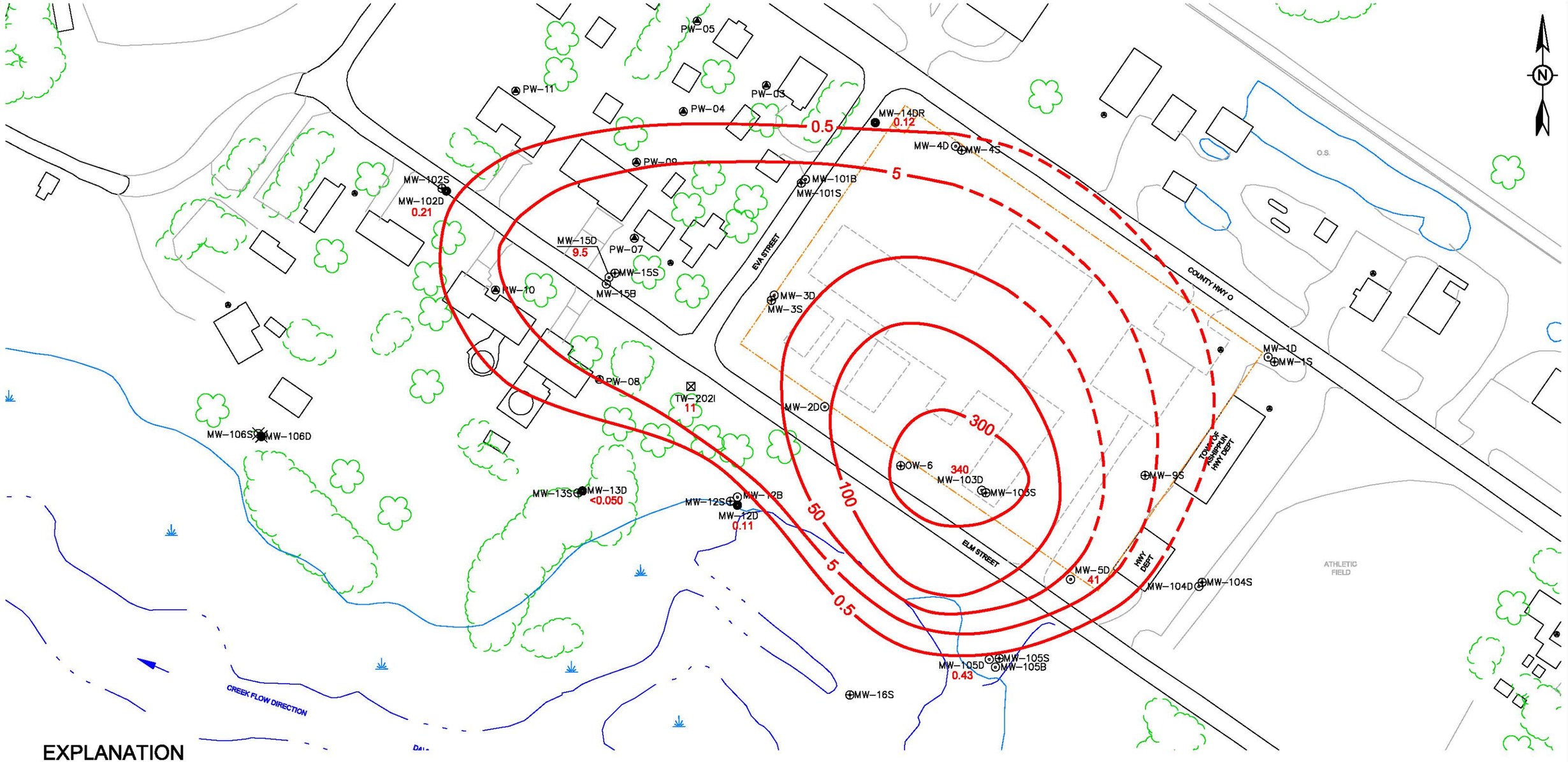
LOCATION: ASHIPPUN, WISCONSIN

TETRA TECH

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

FIGURE: 5

S:\CAD\OCONOMOWOC ELECTROPLATING\JANUARY 2019\TCE SHALLOW-DEPTH CONTOURS_1-30-19.DWG



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

340 — TCE CONCENTRATION (ug/L)

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

0 100 200

SCALE IN FEET

TITLE: OCONOMOWOC ELECTROPLATING COMPANY, INC.
NOVEMBER 2017 SAMPLING EVENT MID-DEPTH MONITORING WELLS TCE ISOCONCENTRATION MAP

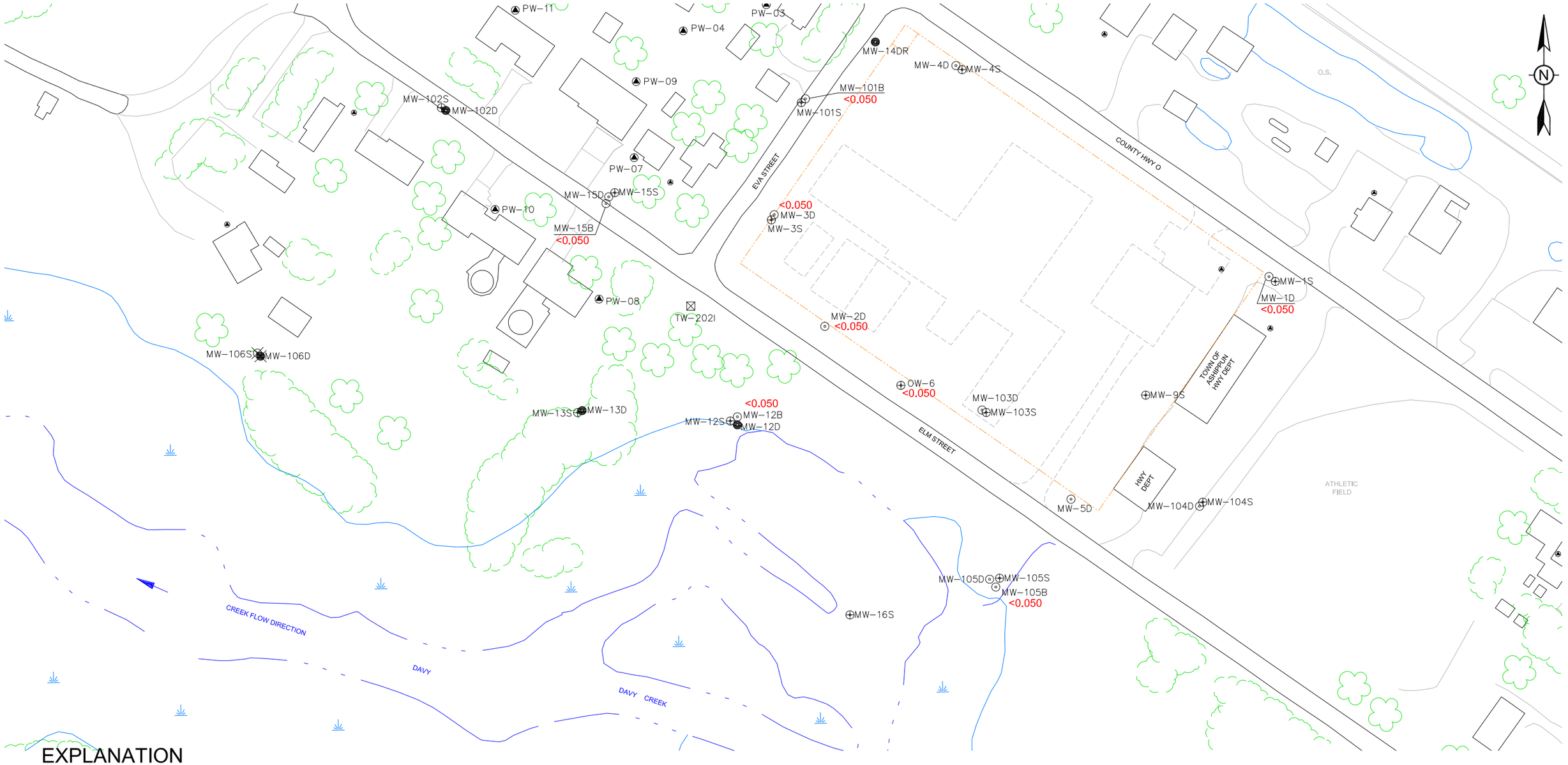
LOCATION: ASHIPPUN, WISCONSIN

TETRA TECH

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

FIGURE: 7

S:\CAD\OCONOMOWOC ELECTROPLATING\JANUARY 2019\TCE MID-DEPTH CONTOURS_1-30-19.DWG



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
<0.050	TCE CONCENTRATION (ug/L)
0.04	TCE ISOCONCENTRATION CONTOUR (ug/L) DASHED WHERE INFERRED

0 100 200

SCALE IN FEET

TITLE: OCONOMOWOC ELECTROPLATING COMPANY, INC.
NOVEMBER 2017 SAMPLING EVENT BEDROCK MONITORING WELLS TCE ISOCONCENTRATION MAP

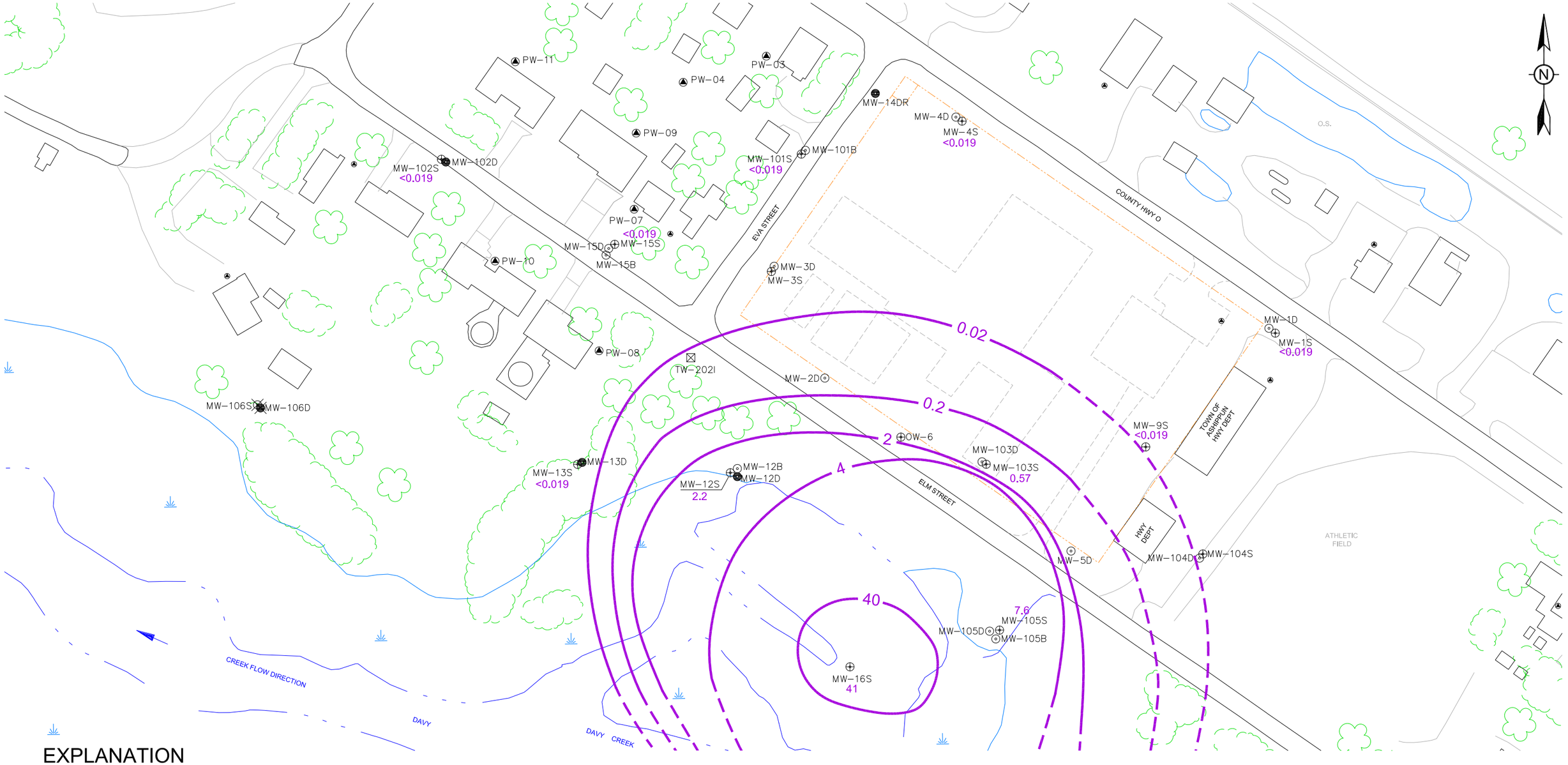
LOCATION: ASHIPPUN, WISCONSIN

TETRA TECH

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

FIGURE: 9

S:\CAD\OCONOMOWOC ELECTROPLATING\JANUARY 2019\TCE BEDROCK CONTOURS_1-30-19.DWG



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

0 100 200

SCALE IN FEET

TITLE: OCONOMOWOC ELECTROPLATING COMPANY, INC.
NOVEMBER 2017 SAMPLING EVENT SHALLOW-DEPTH MONITORING WELLS VC ISOCONCENTRATION MAP

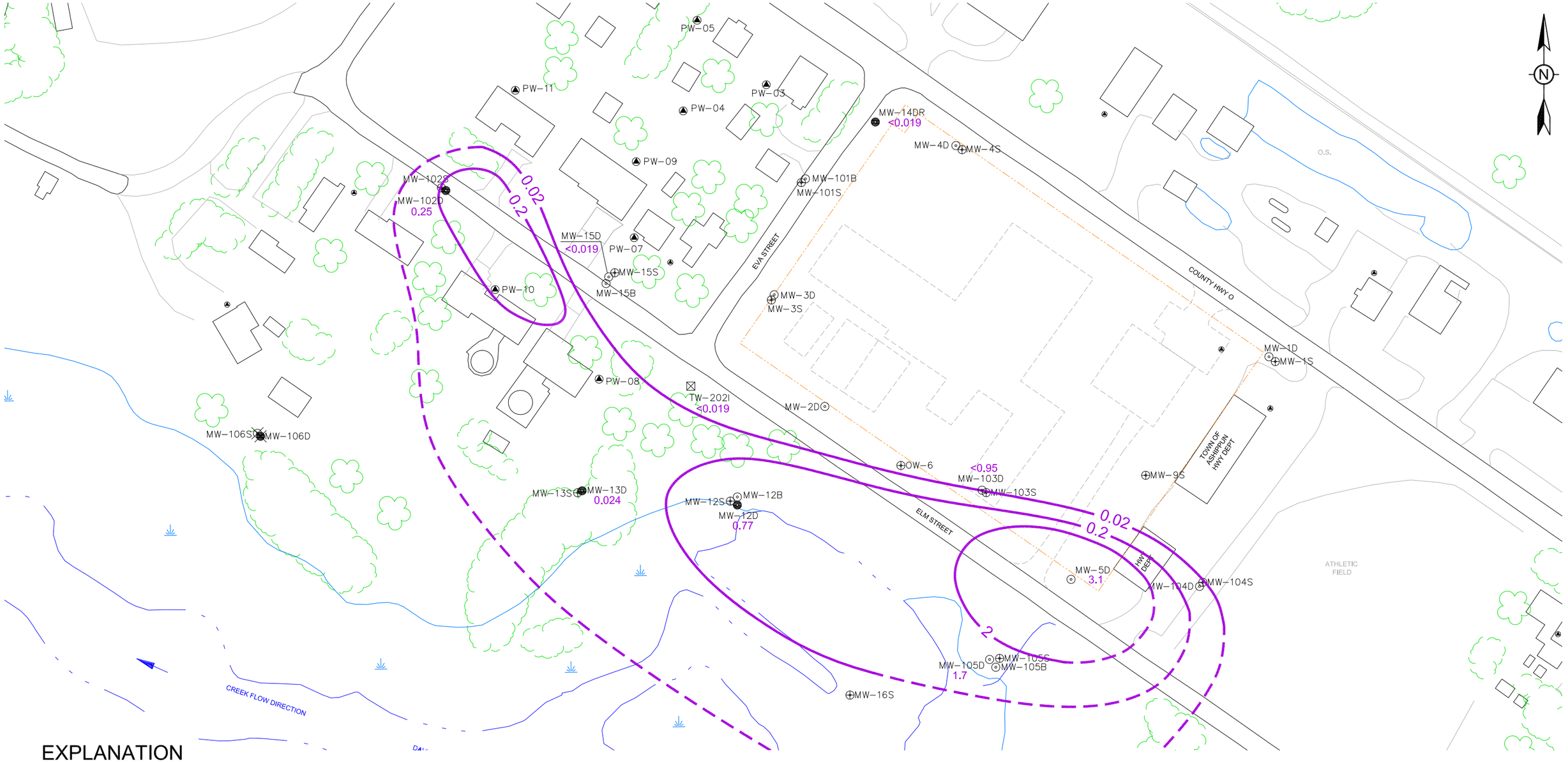
LOCATION: ASHIPPUN, WISCONSIN

TETRA TECH

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

FIGURE: 11

S:\CAD\OCONOMOWOC ELECTROPLATING\JANUARY 2019\NOV 2017_VC SHALLOW-DEPTH CONTOURS_1-30-19.DWG



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

0 100 200

SCALE IN FEET

TITLE: OCONOMOWOC ELECTROPLATING COMPANY, INC.
NOVEMBER 2017 SAMPLING EVENT MID-DEPTH MONITORING WELLS VC ISOCONCENTRATION MAP

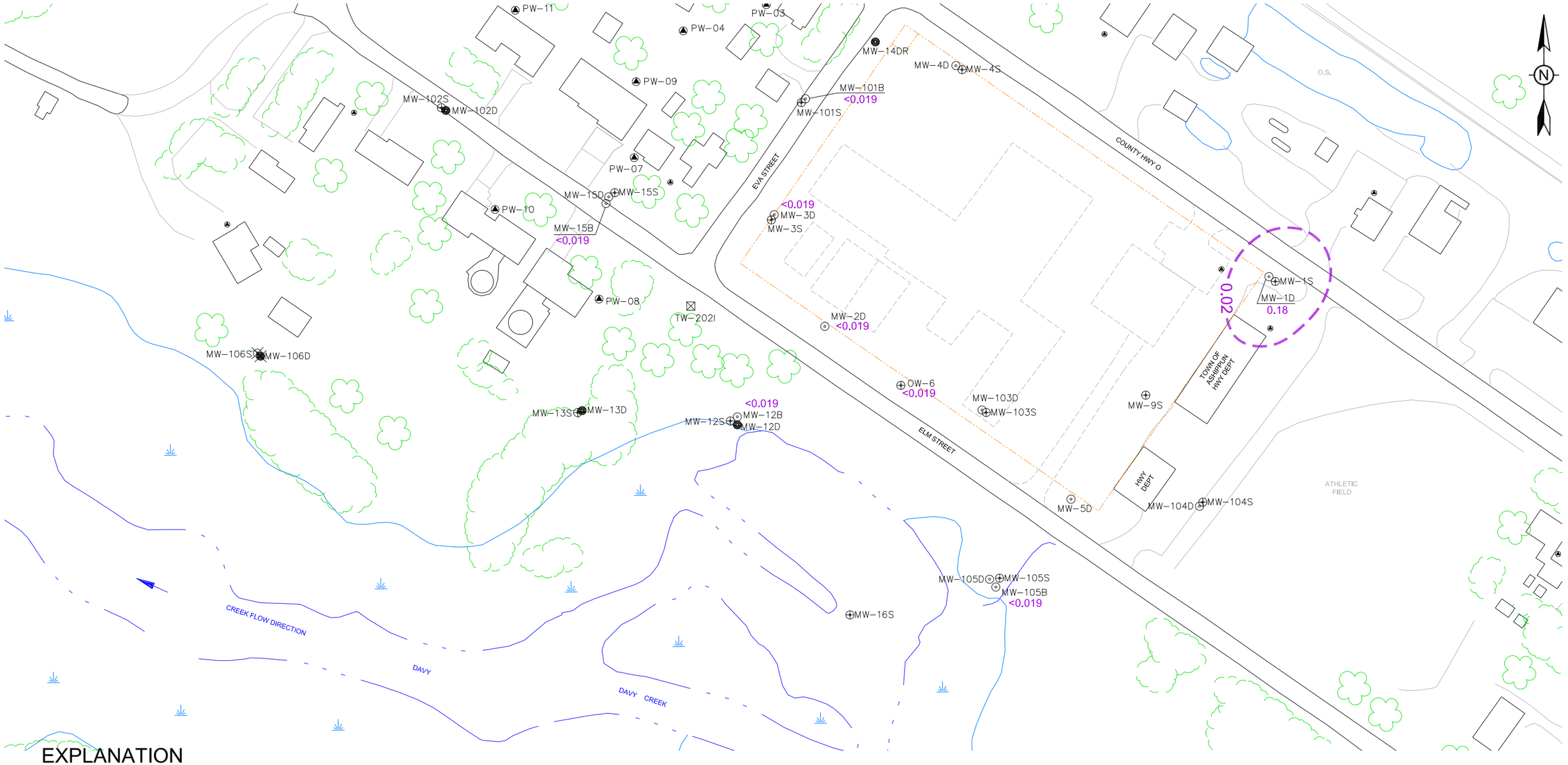
LOCATION: ASHIPPUN, WISCONSIN

TETRA TECH

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

FIGURE: 13

S:\CAD\OCONOMOWOC ELECTROPLATING\JANUARY 2019\NOV 2017_VC MID-DEPTH CONTOURS_1-30-19.DWG



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

0 100 200

SCALE IN FEET

TITLE: OCONOMOWOC ELECTROPLATING COMPANY, INC.
NOVEMBER 2017 SAMPLING EVENT BEDROCK MONITORING WELLS VC ISOCONCENTRATION MAP

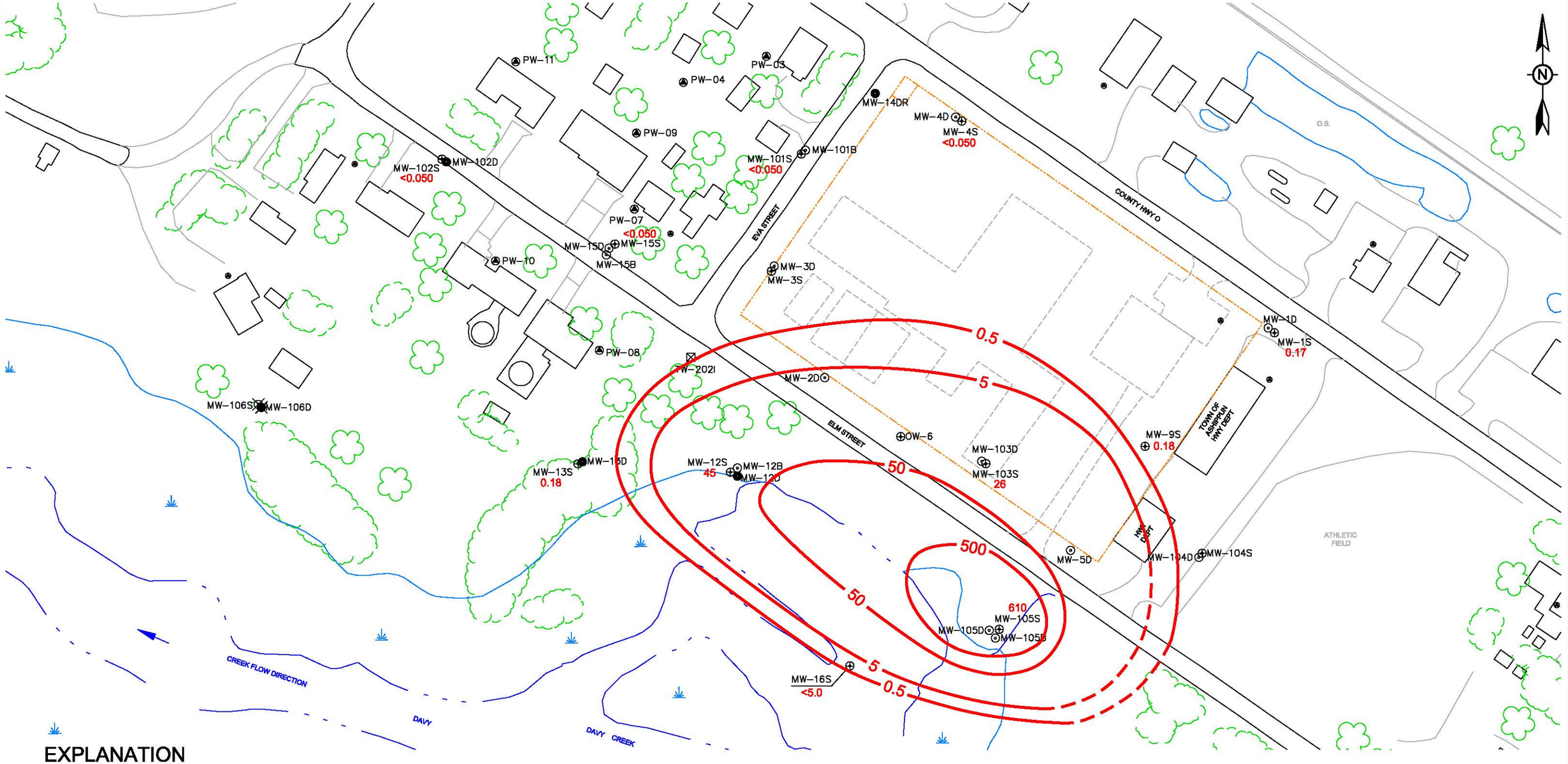
LOCATION: ASHIPPUN, WISCONSIN

TETRA TECH

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

FIGURE: 15

S:\CAD\OCONOMOWOC ELECTROPLATING\JANUARY 2019\NOV 2017_VC BEDROCK CONTOURS_1-30-19.DWG



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

0 100 200
SCALE IN FEET

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

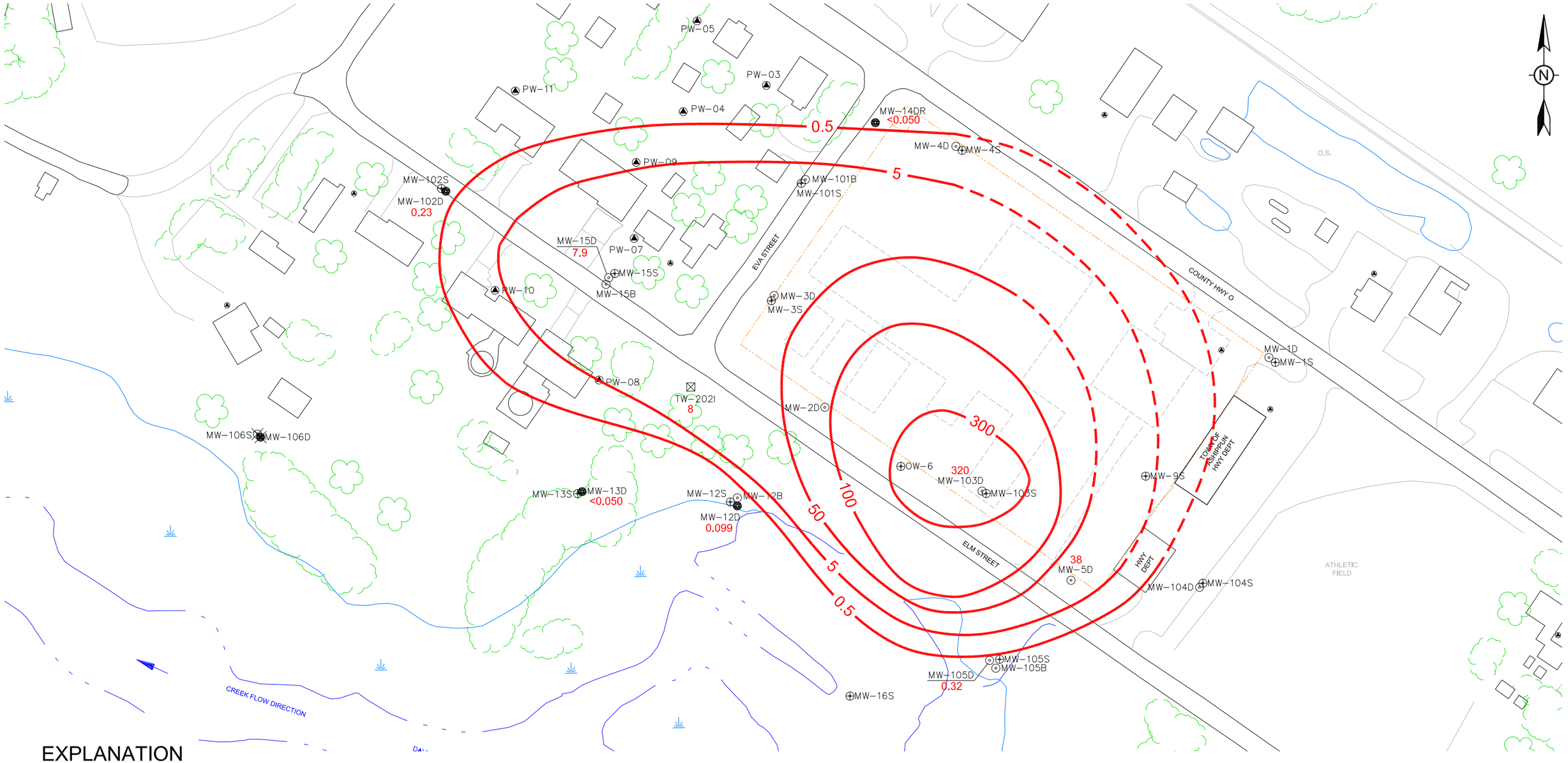
LOCATION: ASHIPPUN, WISCONSIN

TETRA TECH

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

FIGURE: 6

S:\CAD\OCONOMOWOC ELECTROPLATING\JANUARY 2019\NOV 2018_TCE SHALLOW-DEPTH CONTOURS_1-30-19.DWG



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

320 — TCE CONCENTRATION (ug/L)

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

0 100 200

SCALE IN FEET

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

LOCATION: ASHIPPUN, WISCONSIN

TETRA TECH

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

FIGURE: 8

S:\CAD\OCONOMOWOC ELECTROPLATING\JANUARY 2019\NOV 2018_TCE MID-DEPTH CONTOURS_1-30-19.DWG

PW-11
PW-03
PW-04
PW-09
MW-102S
MW-102D
PW-07
MW-15D
MW-15S
PW-10
MW-15B
<0.050
PW-08
TW-202I
MW-106S
MW-106D
MW-13S
MW-13D
MW-12S
<0.050
MW-12B
MW-12D
MW-14DR
MW-4D
MW-4S
MW-101B
<0.050
MW-101S
EVA STREET
COUNTY HWY O
<0.050
MW-3D
MW-3S
MW-2D
<0.050
OW-6
<0.050
MW-103D
MW-103S
ELM STREET
MW-1S
MW-1D
<0.050
MW-9S
TOWN OF ASHIPPUN HWY DEPT
HWY DEPT
MW-5D
MW-104D
MW-104S
O.S.
ATHLETIC FIELD
MW-105D
MW-105S
MW-105B
<0.050
MW-16S
CREEK FLOW DIRECTION
DAVY
DAVY CREEK

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
<0.050	TCE CONCENTRATION (ug/L)
0.040	TCE ISOCONCENTRATION CONTOUR (ug/L) DASHED WHERE INFERRED

0 100 200
SCALE IN FEET

TITLE: OCONOMOWOC ELECTROPLATING COMPANY, INC.
NOVEMBER 2018 SAMPLING EVENT BEDROCK MONITORING WELLS TCE ISOCONCENTRATION MAP

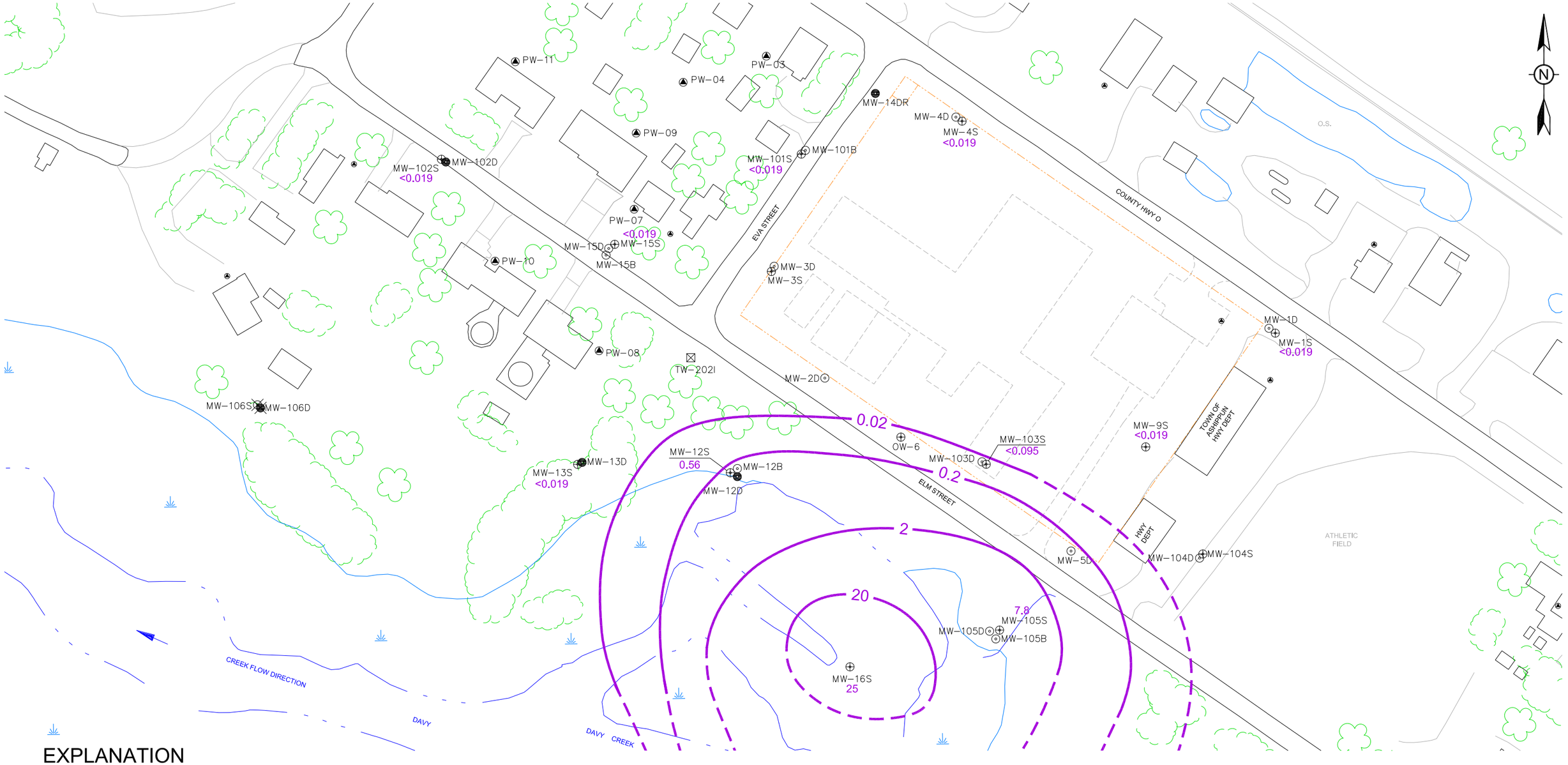
LOCATION: ASHIPPUN, WISCONSIN

TETRA TECH

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

FIGURE: 10

S:\CAD\OCONOMOWOC ELECTROPLATING\JANUARY 2019\NOV 2018_TCE BEDROCK CONTOURS_1-30-19.DWG



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

0 100 200

SCALE IN FEET

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

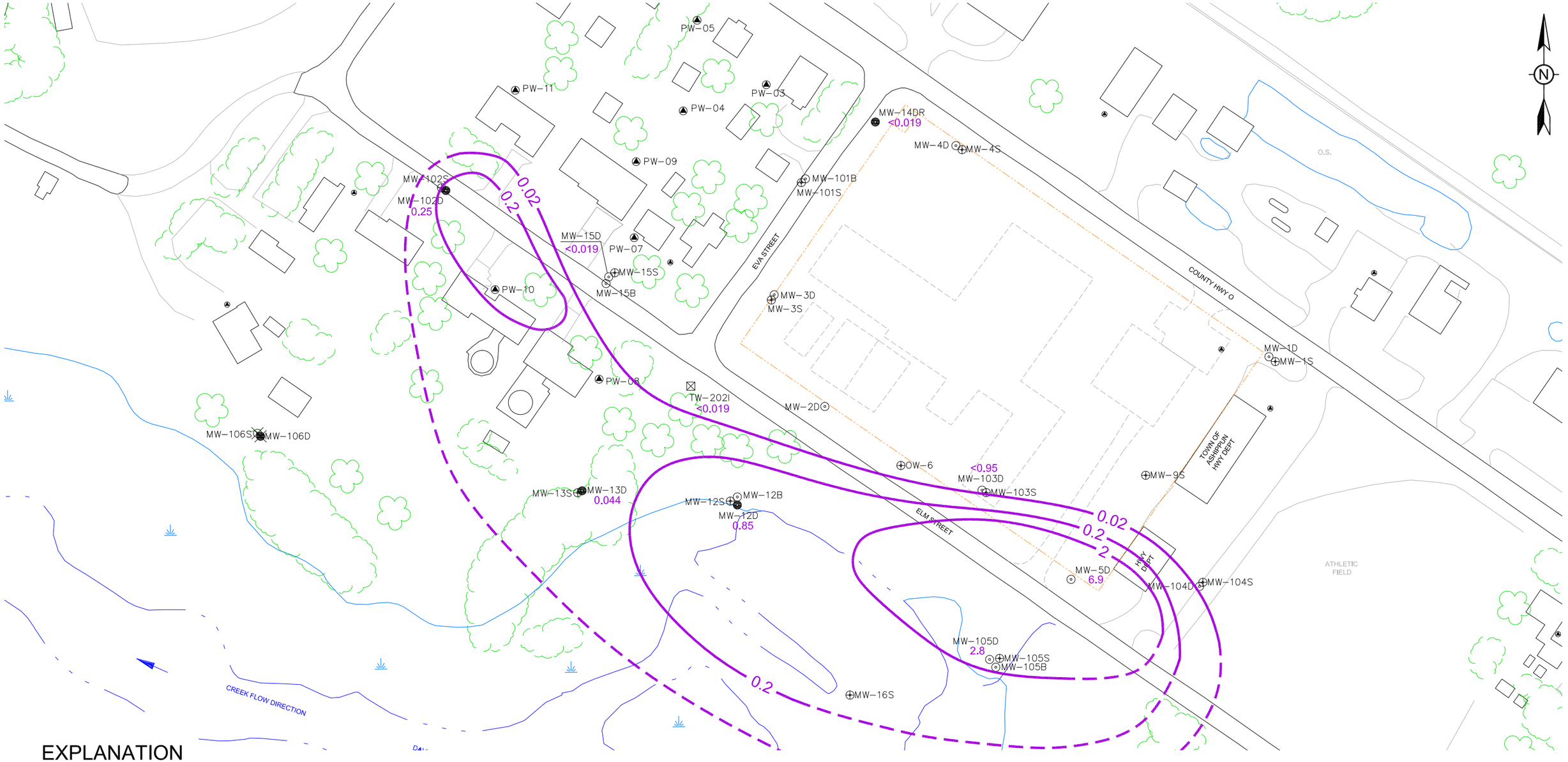
LOCATION: ASHIPPUN, WISCONSIN

TETRA TECH

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

FIGURE: 12

S:\CAD\OCONOMOWOC ELECTROPLATING\JANUARY 2019\NOV 2018_VC SHALLOW-DEPTH CONTOURS_1-30-19.DWG



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

0 100 200

SCALE IN FEET

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

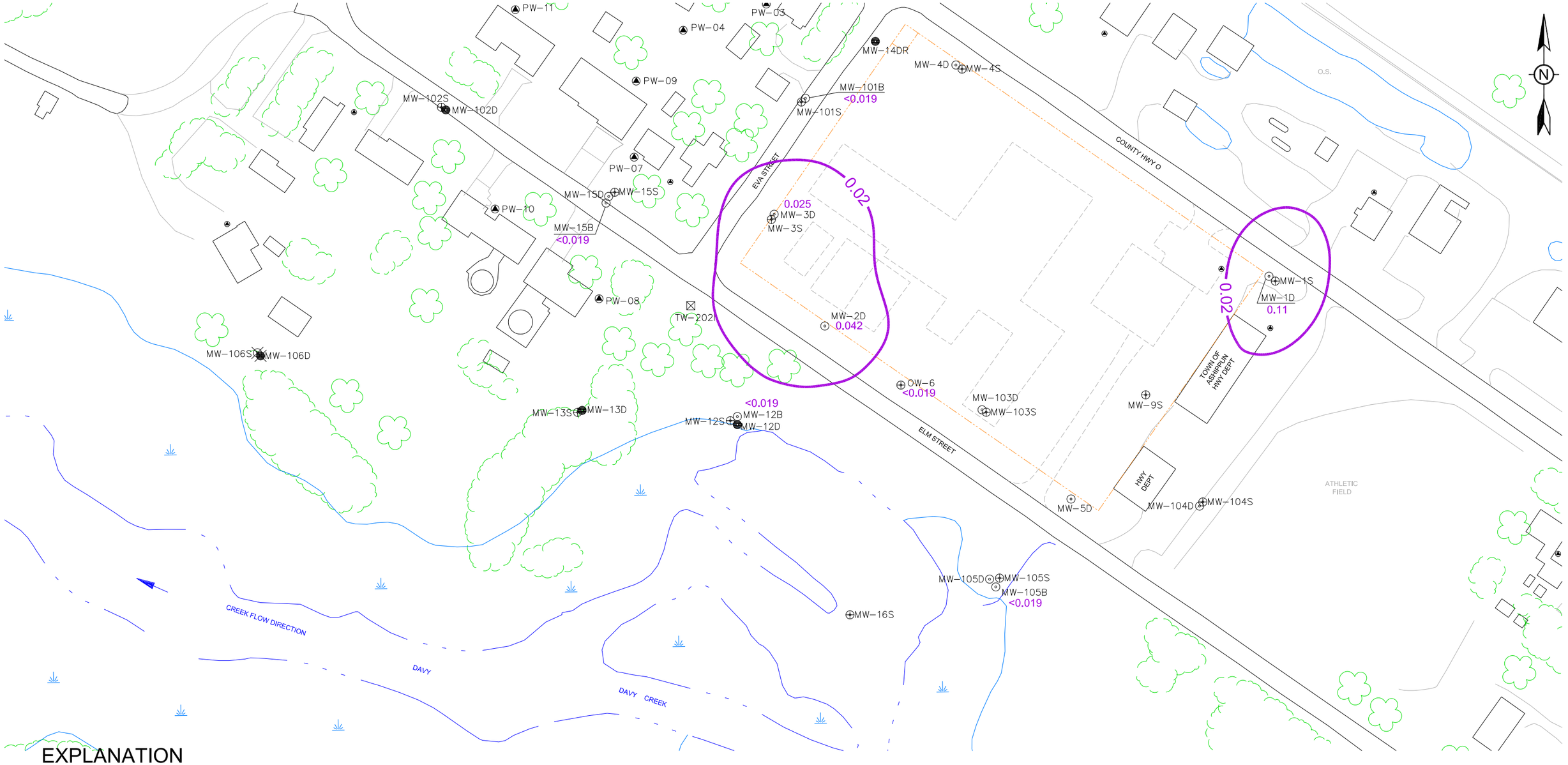
LOCATION: ASHIPPUN, WISCONSIN

TETRA TECH

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

FIGURE: 14

S:\CAD\OCONOMOWOC ELECTROPLATING\JANUARY 2019\NOV 2018_VC MID-DEPTH CONTOURS_1-30-19.DWG



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

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

0 100 200

SCALE IN FEET

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

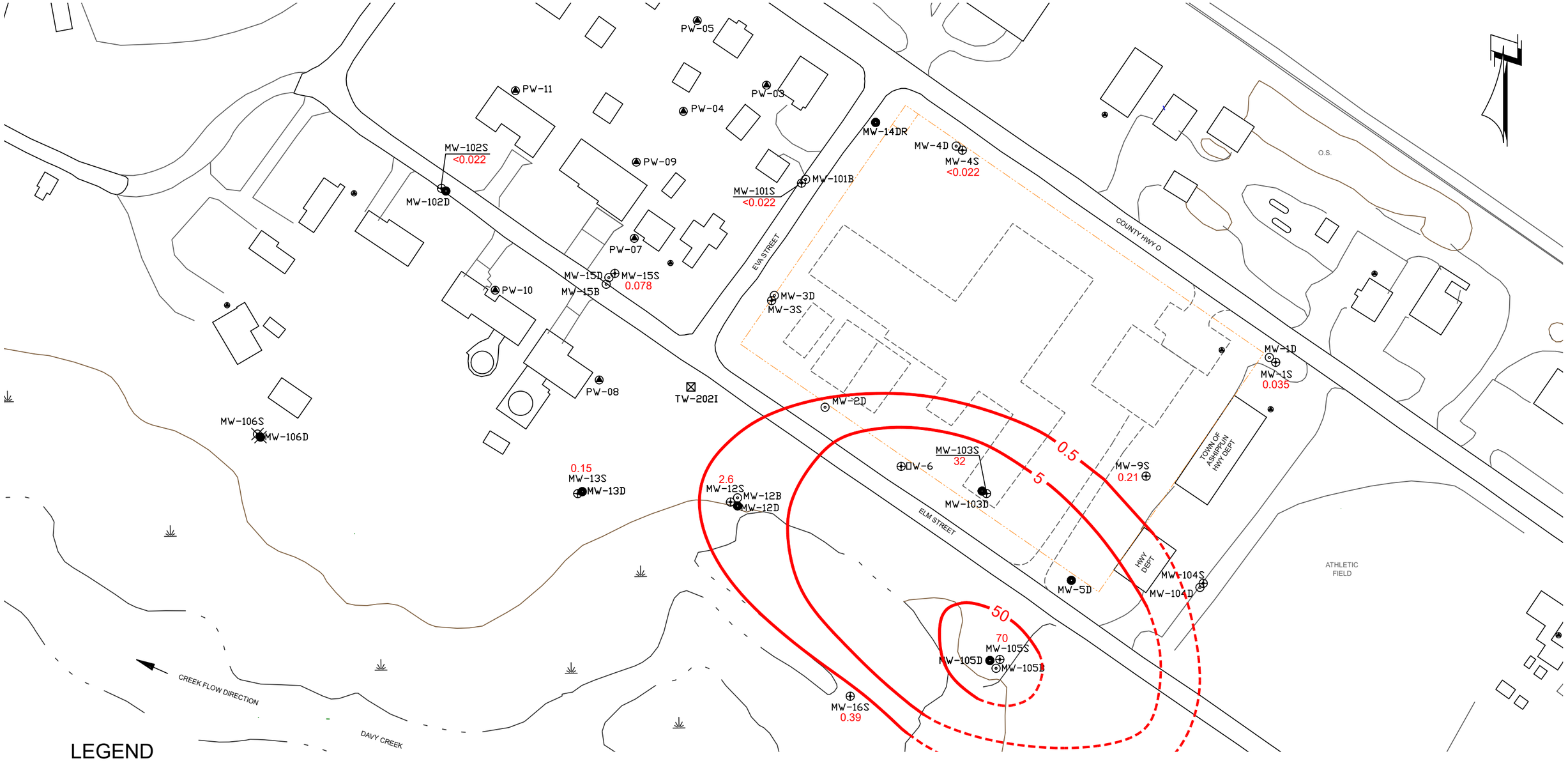
LOCATION: ASHIPPUN, WISCONSIN

TETRA TECH

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

FIGURE: 16

S:\CAD\OCONOMOWOC ELECTROPLATING\JANUARY 2019\NOV 2018_VC BEDROCK CONTOURS_1-30-19.DWG



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-202I	TEMPORARY WELL
———	FORMER OECI SITE BOUNDARY

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

0 100
SCALE

Note: Basemap provided by Tetra Tech

HEI
HYDE ENVIRONMENTAL, INC.

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

LEGEND

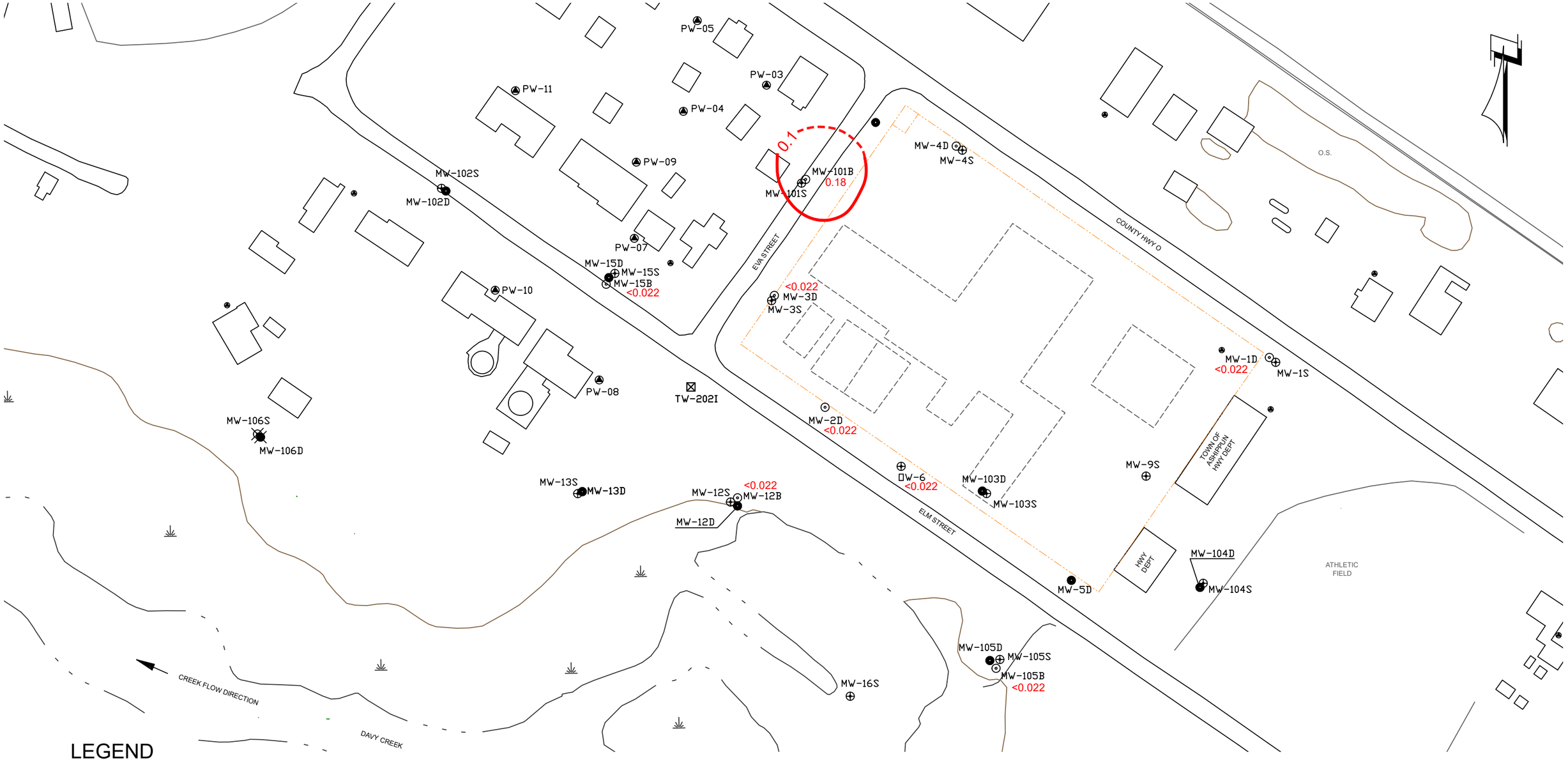
MW-105B	BEDROCK MONITORING WELL
MW-105D	DEEP UNCONSOLIDATED MONITORING WELL
MW-105S	SHALLOW UNCONSOLIDATED MONITORING WELL
PW-11	RESIDENTIAL WELL
MW-106D	DEEP UNCONSOLIDATED SENTINEL WELL
MW-106S	SHALLOW UNCONSOLIDATED SENTINEL WELL
TW-202I	TEMPORARY WELL
	FORMER OECI SITE BOUNDARY
73	TCE CONCENTRATION (ug/L)
50	TCE ISOCONCENTRATION CONTOUR (ug/L) DASHED WHERE INFERRED

0 100
SCALE

Note: Basemap provided by Tetra Tech

HYDE ENVIRONMENTAL, INC.

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-202I	TEMPORARY WELL
	FORMER OECI SITE BOUNDARY
0.18	TCE CONCENTRATION (ug/L)
0.1	TCE ISOCONCENTRATION CONTOUR (ug/L) DASHED WHERE INFERRED

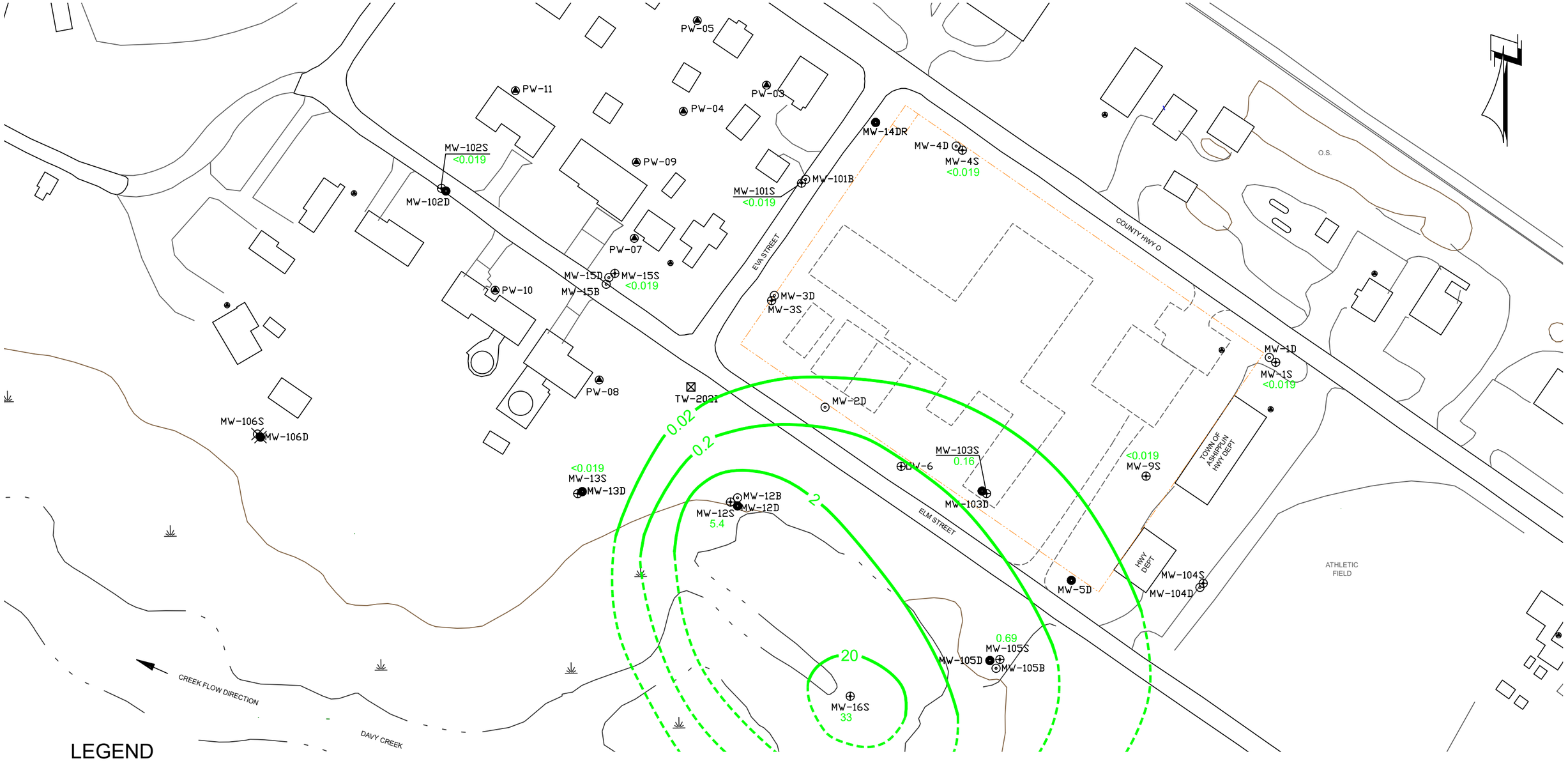
0 100
SCALE

Note: Basemap provided by Tetra Tech

HYDE ENVIRONMENTAL, INC.

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-202I	TEMPORARY WELL
	FORMER OECI SITE BOUNDARY
5.4	VINYL CHLORIDE CONCENTRATION (ug/L)
2	VINYL CHLORIDE ISOCONCENTRATION CONTOUR (ug/L) DASHED WHERE INFERRED

0 100
SCALE

Note: Basemap provided by Tetra Tech

HYDE ENVIRONMENTAL, INC.

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-202I	TEMPORARY WELL
-·-·-·-·-	FORMER OECI SITE BOUNDARY

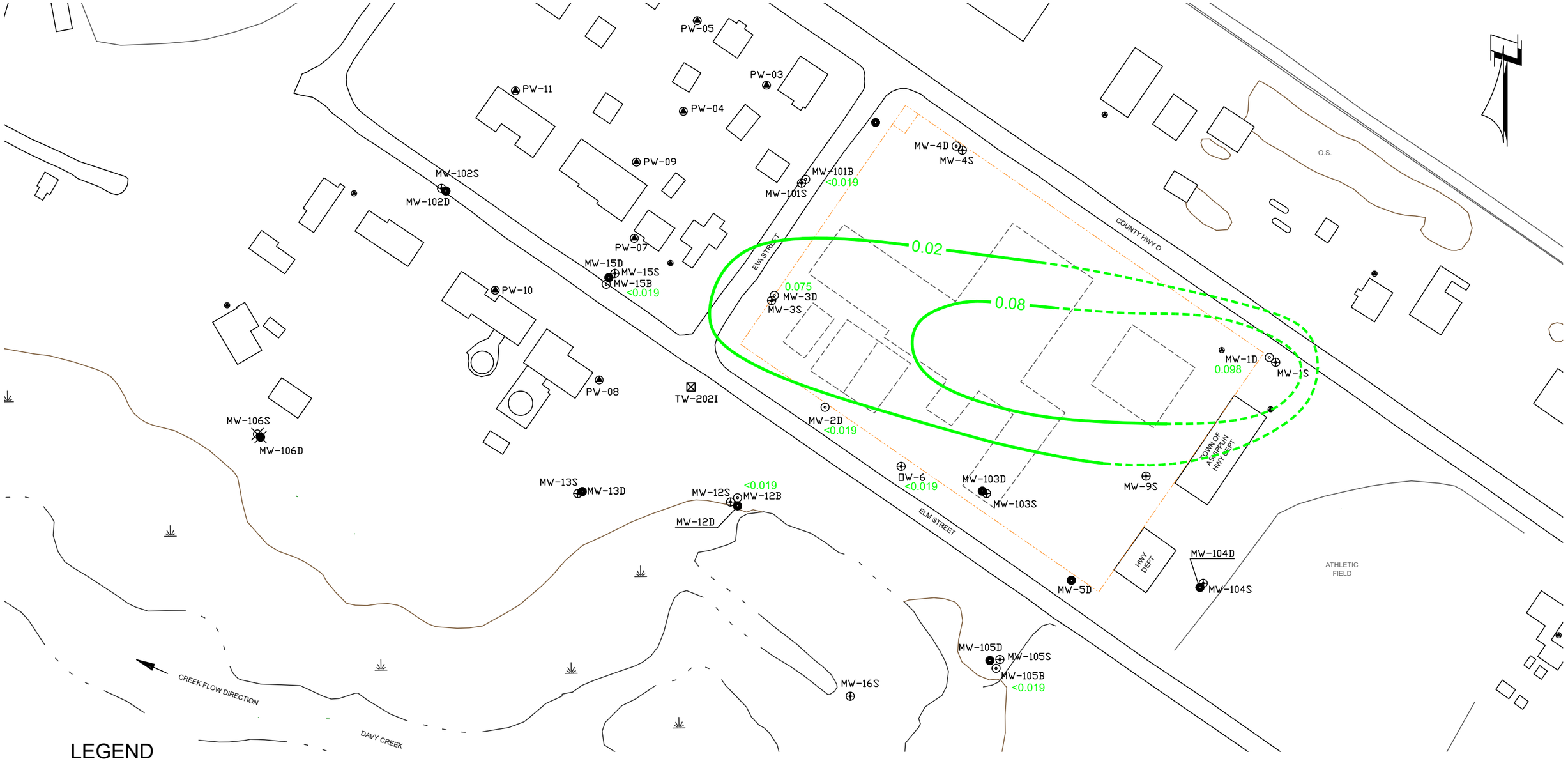
1.1	VINYL CHLORIDE CONCENTRATION (ug/L)
—2—	VINYL CHLORIDE ISOCONCENTRATION CONTOUR (ug/L) DASHED WHERE INFERRED

0 100
SCALE

Note: Basemap provided by Tetra Tech

HYDE ENVIRONMENTAL, INC.

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-202I	TEMPORARY WELL
	FORMER OECI SITE BOUNDARY
0.098	VINYL CHLORIDE CONCENTRATION (ug/L)
—0.02---	VINYL CHLORIDE ISOCONCENTRATION CONTOUR (ug/L) DASHED WHERE INFERRED

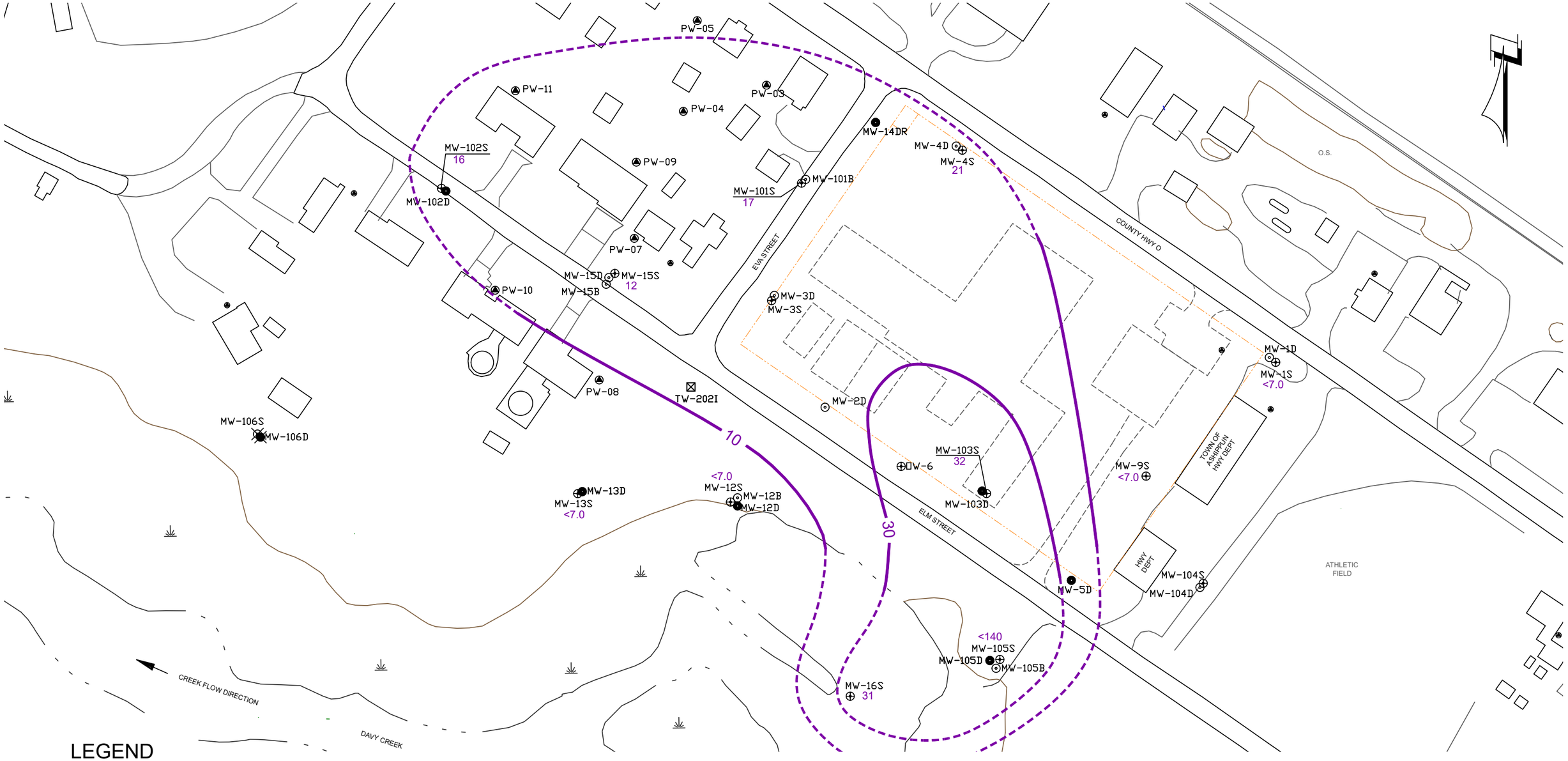
0 100
SCALE

Note: Basemap provided by Tetra Tech

HYDE ENVIRONMENTAL, INC.

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-202I	TEMPORARY WELL
	FORMER OECI SITE BOUNDARY

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

0 100
SCALE

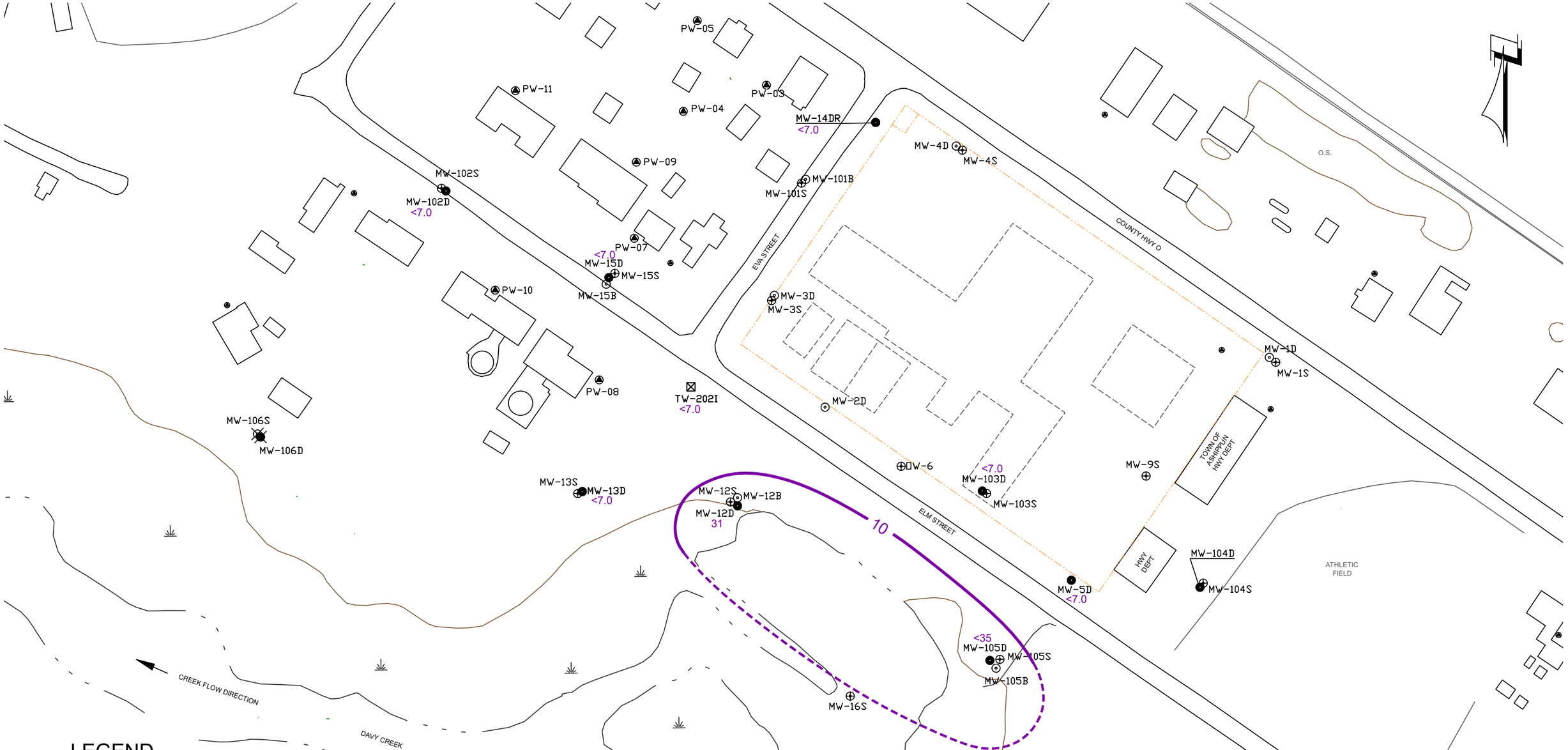
Note: Basemap provided by Tetra Tech

HYDE ENVIRONMENTAL, INC.

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-202I	TEMPORARY WELL
	FORMER OECI SITE BOUNDARY
31	1,4-DIOXANE CONCENTRATION (ug/L)
10	1,4-DIOXANE ISOCONCENTRATION CONTOUR (ug/L) DASHED WHERE INFERRED

0 100
SCALE

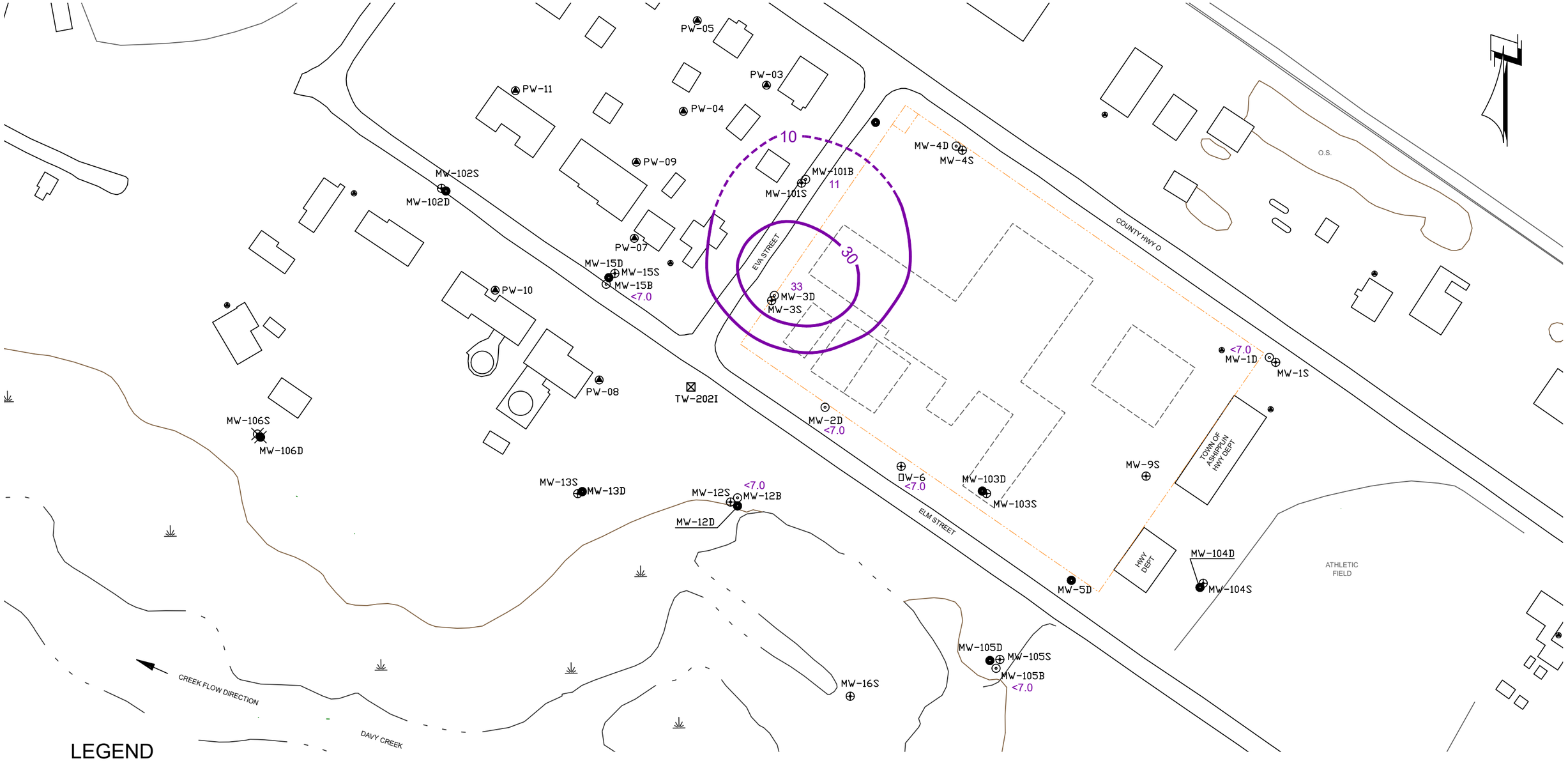
Note: Basemap provided by Tetra Tech

HYDE ENVIRONMENTAL, INC.

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-202I	TEMPORARY WELL
	FORMER OECI SITE BOUNDARY
11	1,4-DIOXANE CONCENTRATION (ug/L)
10	1,4-DIOXANE ISOCONCENTRATION CONTOUR (ug/L) DASHED WHERE INFERRED

0 100
SCALE

Note: Basemap provided by Tetra Tech

HYDE ENVIRONMENTAL, INC.

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

APPENDIX C

Laboratory Analytical Reports

CT LABORATORIES

delivering more than data from your environmental analyses

ANALYTICAL REPORT

This report at a minimum contains the following information:

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

CT LABORATORIES
delivering more than data from your environmental analyses

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

ANALYTICAL REPORT

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

Project Name: OEC SUPERFUND WI
Project Phase: ASHIPPUN, WI
Contract #: 3451
Project #:
Folder #: 173719
Purchase Order #:

Arrival Temperature: 4.3
Report Date: 12/13/2022
Date Received: 11/16/2022
Reprint Date: 12/13/2022

CT LAB Sample#: 1264305 Sample Description: MW-12B License/Well #: 04189/022 Sampled: 11/15/2022 07:45

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Dissolved Oxygen (Field)	**2.12**	mg/L			1			11/15/2022 07:45	SUB	FIELD
Depth to Groundwater (Field)	**4.21**	Feet			1			11/15/2022 07:45	SUB	FIELD
OX/REDOX (Field)	**96.00**	MV			1			11/15/2022 07:45	SUB	FIELD
Color (Field)	**CLEAR**		N/A	N/A	1			11/15/2022 07:45	SUB	FIELD
Conductivity (Field)	**809.87**	umhos/cm			1			11/15/2022 07:45	SUB	FIELD
Odor (Field)	**NONE**		N/A	N/A	1			11/15/2022 07:45	SUB	FIELD
pH (Field)	**9.22**	S.U.			1			11/15/2022 07:45	SUB	FIELD
Temperature (Field)	**8.26**	Deg. C			1			11/15/2022 07:45	SUB	FIELD
Turbidity (Field)	**7.26**	NTU			1			11/15/2022 07:45	SUB	FIELD
Inorganic Results										
Alkalinity Total	**250**	mg/L	21	70	1			11/22/2022 11:05	BRB	EPA 310.2
Total Sulfide	<1.0	mg/L	1.0		1			11/17/2022 11:00	ATJ	SM 4500-S2F
Nitrate Nitrogen Total	<0.12	mg/L	0.12	0.40	1			11/16/2022 14:17	TMG	EPA 9056A
Total Chloride	**130**	mg/L	10	32	10			11/16/2022 14:35	TMG	EPA 9056A
Total Sulfate	**24**	mg/L	0.80	2.5	1			11/16/2022 14:17	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#: 1264305 Sample Description: MW-12B License/Well #: 04189/022 Sampled: 11/15/2022 07:45

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Total Organic Carbon	**0.86**	mg/L	0.4 *	1.3	1			11/17/2022 14:11	TMG	EPA 9060A
Metals Results										
Total Iron	**0.108**	mg/L	0.033 *	0.11	1		11/16/2022 14:25	11/18/2022 04:56	NAH	EPA 6010C
Total Manganese	<1.5	ug/L	1.5	5.0	1		11/16/2022 14:25	11/18/2022 04:56	NAH	EPA 6010C
Organic Results										
Ethane	<0.38	ug/L	0.38	1.3	1		11/16/2022 14:30	11/17/2022 08:50	DGS	RSK 175
Ethene	<0.59	ug/L	0.59	2.0	1		11/16/2022 14:30	11/17/2022 08:50	DGS	RSK 175
Methane	<0.45	ug/L	0.45	1.5	1		11/16/2022 14:30	11/17/2022 08:50	DGS	RSK 175
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			11/21/2022 10:42	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			11/21/2022 10:42	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			11/21/2022 10:42	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			11/21/2022 10:42	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/21/2022 10:42	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			11/21/2022 10:42	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			11/21/2022 10:42	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			11/21/2022 10:42	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			11/21/2022 10:42	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			11/21/2022 10:42	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			11/21/2022 10:42	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			11/21/2022 10:42	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			11/21/2022 10:42	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			11/21/2022 10:42	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/21/2022 10:42	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			11/21/2022 10:42	RLD	EPA 8260C

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

CT LAB Sample#: 1264305 Sample Description: MW-12B License/Well #: 04189/022 Sampled: 11/15/2022 07:45

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			11/21/2022 10:42	RLD	EPA 8260C
1,3-Dichlorobenzene	**0.036**	ug/L	0.013 *	0.10	1			11/21/2022 10:42	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			11/21/2022 10:42	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			11/21/2022 10:42	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			11/21/2022 10:42	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			11/21/2022 10:42	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			11/21/2022 10:42	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			11/21/2022 10:42	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			11/21/2022 10:42	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			11/21/2022 10:42	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			11/21/2022 10:42	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			11/21/2022 10:42	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			11/21/2022 10:42	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			11/21/2022 10:42	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			11/21/2022 10:42	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			11/21/2022 10:42	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			11/21/2022 10:42	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			11/21/2022 10:42	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			11/21/2022 10:42	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			11/21/2022 10:42	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			11/21/2022 10:42	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			11/21/2022 10:42	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			11/21/2022 10:42	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1			11/21/2022 10:42	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			11/21/2022 10:42	RLD	EPA 8260C

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

CT LAB Sample#: 1264305 Sample Description: MW-12B License/Well #: 04189/022 Sampled: 11/15/2022 07:45

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			11/21/2022 10:42	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			11/21/2022 10:42	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			11/21/2022 10:42	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			11/21/2022 10:42	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			11/21/2022 10:42	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			11/21/2022 10:42	RLD	EPA 8260C
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1			11/21/2022 10:42	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1			11/21/2022 10:42	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			11/21/2022 10:42	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			11/21/2022 10:42	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/21/2022 10:42	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1			11/21/2022 10:42	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			11/21/2022 10:42	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			11/21/2022 10:42	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			11/21/2022 10:42	RLD	EPA 8260C
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/21/2022 10:42	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			11/21/2022 10:42	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1			11/21/2022 10:42	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			11/21/2022 10:42	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			11/21/2022 10:42	RLD	EPA 8260C
Toluene	<0.020	ug/L	0.020	0.10	1			11/21/2022 10:42	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			11/21/2022 10:42	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			11/21/2022 10:42	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			11/21/2022 10:42	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			11/21/2022 10:42	RLD	EPA 8260C

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

CT LAB Sample#: 1264305 Sample Description: MW-12B License/Well #: 04189/022 Sampled: 11/15/2022 07:45

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			11/21/2022 10:42	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			11/21/2022 10:42	RLD	EPA 8260C
1,4-Dioxane	<7.0	ug/L	7.0	23	1			11/21/2022 10:42	RLD	EPA 8260C

CT LAB Sample#: 1264306 Sample Description: MW-12B License/Well #: 04189/022 Sampled: 11/15/2022 07:45

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			11/16/2022 16:56	NAH	EPA 6010C
Dissolved Manganese	<1.2	ug/L	1.2	5.0	1			11/16/2022 16:56	NAH	EPA 6010C

CT LAB Sample#: 1264307 Sample Description: MW-12D License/Well #: 04189/021 Sampled: 11/15/2022 08:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Dissolved Oxygen (Field)	**0.41**	mg/L			1			11/15/2022 08:30	SUB	FIELD
Depth to Groundwater (Field)	**2.53**	Feet			1			11/15/2022 08:30	SUB	FIELD
OX/REDOX (Field)	**125.40**	MV			1			11/15/2022 08:30	SUB	FIELD
Color (Field)	**CLEAR**		N/A	N/A	1			11/15/2022 08:30	SUB	FIELD
Conductivity (Field)	**1056.9**	umhos/cm			1			11/15/2022 08:30	SUB	FIELD
Odor (Field)	**NONE**		N/A	N/A	1			11/15/2022 08:30	SUB	FIELD
pH (Field)	**7.57**	S.U.			1			11/15/2022 08:30	SUB	FIELD
Temperature (Field)	**9.17**	Deg. C			1			11/15/2022 08:30	SUB	FIELD
Turbidity (Field)	**7.07**	NTU			1			11/15/2022 08:30	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#: 1264307 Sample Description: MW-12D License/Well #: 04189/021 Sampled: 11/15/2022 08:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Alkalinity Total	**360**	mg/L	21	70	1			11/22/2022 11:07	BRB	EPA 310.2
Total Sulfide	<1.0	mg/L	1.0		1			11/17/2022 11:00	ATJ	SM 4500-S2F
Nitrate Nitrogen Total	**0.12**	mg/L	0.12 *	0.40	1			11/16/2022 14:54	TMG	EPA 9056A
Total Chloride	**190**	mg/L	20	64	20			11/16/2022 15:30	TMG	EPA 9056A
Total Sulfate	**49**	mg/L	0.80	2.5	1			11/16/2022 14:54	TMG	EPA 9056A
Total Organic Carbon	**2.1**	mg/L	0.4	1.3	1			11/17/2022 14:22	TMG	EPA 9060A
Metals Results										
Total Iron	**1.55**	mg/L	0.033	0.11	1		11/16/2022 14:25	11/18/2022 05:45	NAH	EPA 6010C
Total Manganese	**38.2**	ug/L	1.5	5.0	1		11/16/2022 14:25	11/18/2022 05:45	NAH	EPA 6010C
Organic Results										
Ethane	<0.38	ug/L	0.38	1.3	1		11/16/2022 14:30	11/17/2022 08:55	DGS	RSK 175
Ethene	<0.59	ug/L	0.59	2.0	1		11/16/2022 14:30	11/17/2022 08:55	DGS	RSK 175
Methane	**2.2**	ug/L	0.45	1.5	1		11/16/2022 14:30	11/17/2022 08:55	DGS	RSK 175
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			11/21/2022 17:19	RLD	EPA 8260C
1,1,1-Trichloroethane	**0.18**	ug/L	0.013	0.10	1			11/21/2022 17:19	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			11/21/2022 17:19	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			11/21/2022 17:19	RLD	EPA 8260C
1,1-Dichloroethane	**1.7**	ug/L	0.017	0.10	1			11/21/2022 17:19	RLD	EPA 8260C
1,1-Dichloroethene	**0.24**	ug/L	0.024	0.10	1			11/21/2022 17:19	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			11/21/2022 17:19	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			11/21/2022 17:19	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			11/21/2022 17:19	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			11/21/2022 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#: 1264307 Sample Description: MW-12D License/Well #: 04189/021 Sampled: 11/15/2022 08:30

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			11/21/2022 17:19	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			11/21/2022 17:19	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			11/21/2022 17:19	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			11/21/2022 17:19	RLD	EPA 8260C
1,2-Dichloroethane	**0.035**	ug/L	0.017 *	0.10	1			11/21/2022 17:19	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			11/21/2022 17:19	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			11/21/2022 17:19	RLD	EPA 8260C
1,3-Dichlorobenzene	**0.038**	ug/L	0.013 *	0.10	1			11/21/2022 17:19	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			11/21/2022 17:19	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			11/21/2022 17:19	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			11/21/2022 17:19	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			11/21/2022 17:19	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			11/21/2022 17:19	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			11/21/2022 17:19	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			11/21/2022 17:19	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			11/21/2022 17:19	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			11/21/2022 17:19	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			11/21/2022 17:19	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			11/21/2022 17:19	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			11/21/2022 17:19	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			11/21/2022 17:19	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			11/21/2022 17:19	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			11/21/2022 17:19	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			11/21/2022 17:19	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			11/21/2022 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#: 1264307 Sample Description: MW-12D License/Well #: 04189/021 Sampled: 11/15/2022 08:30

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			11/21/2022 17:19	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			11/21/2022 17:19	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			11/21/2022 17:19	RLD	EPA 8260C
Chloromethane	**0.064**	ug/L	0.045 *	0.20	1			11/21/2022 17:19	RLD	EPA 8260C
cis-1,2-Dichloroethene	**5.9**	ug/L	0.023	0.10	1			11/21/2022 17:19	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			11/21/2022 17:19	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			11/21/2022 17:19	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			11/21/2022 17:19	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			11/21/2022 17:19	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			11/21/2022 17:19	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			11/21/2022 17:19	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			11/21/2022 17:19	RLD	EPA 8260C
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1			11/21/2022 17:19	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1			11/21/2022 17:19	RLD	EPA 8260C
Methyl tert-butyl ether	**0.66**	ug/L	0.014	0.10	1			11/21/2022 17:19	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			11/21/2022 17:19	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/21/2022 17:19	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1			11/21/2022 17:19	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			11/21/2022 17:19	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			11/21/2022 17:19	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			11/21/2022 17:19	RLD	EPA 8260C
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/21/2022 17:19	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			11/21/2022 17:19	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1			11/21/2022 17:19	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			11/21/2022 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#: 1264307 Sample Description: MW-12D License/Well #: 04189/021 Sampled: 11/15/2022 08:30

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			11/21/2022 17:19	RLD	EPA 8260C
Toluene	<0.020	ug/L	0.020	0.10	1			11/21/2022 17:19	RLD	EPA 8260C
trans-1,2-Dichloroethene	**0.20**	ug/L	0.020	0.10	1			11/21/2022 17:19	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			11/21/2022 17:19	RLD	EPA 8260C
Trichloroethene	**0.13**	ug/L	0.022	0.10	1			11/21/2022 17:19	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			11/21/2022 17:19	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			11/21/2022 17:19	RLD	EPA 8260C
Vinyl chloride	**0.13**	ug/L	0.019	0.10	1			11/21/2022 17:19	RLD	EPA 8260C
1,4-Dioxane	<7.0	ug/L	7.0	23	1			11/21/2022 17:19	RLD	EPA 8260C

CT LAB Sample#: 1264308 Sample Description: MW-12D License/Well #: 04189/021 Sampled: 11/15/2022 08:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Iron	**0.817**	mg/L	0.027	0.09	1			11/16/2022 17:38	NAH	EPA 6010C
Dissolved Manganese	**34.7**	ug/L	1.2	5.0	1			11/16/2022 17:38	NAH	EPA 6010C

CT LAB Sample#: 1264309 Sample Description: MW-12S License/Well #: 04189/020 Sampled: 11/15/2022 09:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Dissolved Oxygen (Field)	**0.4**	mg/L			1			11/15/2022 09:00	SUB	FIELD
Depth to Groundwater (Field)	**4.2**	Feet			1			11/15/2022 09:00	SUB	FIELD
OX/REDOX (Field)	**128.7**	MV			1			11/15/2022 09:00	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#: 1264309 Sample Description: MW-12S License/Well #: 04189/020 Sampled: 11/15/2022 09:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Color (Field)	**CLEAR**		N/A	N/A	1			11/15/2022 09:00	SUB	FIELD
Conductivity (Field)	**1010.1**	umhos/cm			1			11/15/2022 09:00	SUB	FIELD
Odor (Field)	**NONE**		N/A	N/A	1			11/15/2022 09:00	SUB	FIELD
pH (Field)	**7.41**	S.U.			1			11/15/2022 09:00	SUB	FIELD
Temperature (Field)	**8.65**	Deg. C			1			11/15/2022 09:00	SUB	FIELD
Turbidity (Field)	**10.16**	NTU			1			11/15/2022 09:00	SUB	FIELD
Inorganic Results										
Alkalinity Total	**310**	mg/L	21	70	1			11/22/2022 11:08	BRB	EPA 310.2
Total Sulfide	<1.0	mg/L	1.0		1			11/17/2022 11:00	ATJ	SM 4500-S2F
Nitrate Nitrogen Total	<0.12	mg/L	0.12	0.40	1			11/16/2022 15:48	TMG	EPA 9056A
Total Chloride	**230**	mg/L	10	32	10			11/16/2022 16:06	TMG	EPA 9056A
Total Sulfate	**28**	mg/L	0.80	2.5	1			11/16/2022 15:48	TMG	EPA 9056A
Total Organic Carbon	**2.5**	mg/L	0.4	1.3	1			11/17/2022 14:33	TMG	EPA 9060A
Metals Results										
Total Iron	**0.28**	mg/L	0.033	0.11	1		11/16/2022 14:25	11/18/2022 05:53	NAH	EPA 6010C
Total Manganese	**130**	ug/L	1.5	5.0	1		11/16/2022 14:25	11/18/2022 05:53	NAH	EPA 6010C
Organic Results										
Ethane	<0.38	ug/L	0.38	1.3	1		11/16/2022 14:30	11/17/2022 08:59	DGS	RSK 175
Ethene	<0.59	ug/L	0.59	2.0	1		11/16/2022 14:30	11/17/2022 08:59	DGS	RSK 175
Methane	**3.6**	ug/L	0.45	1.5	1		11/16/2022 14:30	11/17/2022 08:59	DGS	RSK 175
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			11/21/2022 16:51	RLD	EPA 8260C
1,1,1-Trichloroethane	**17**	ug/L	0.065	0.50	5			11/22/2022 12:41	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			11/21/2022 16:51	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			11/21/2022 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#: 1264309 Sample Description: MW-12S License/Well #: 04189/020 Sampled: 11/15/2022 09:00

Analyte	Result	Units	LOD		LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,1-Dichloroethane	**1.4**	ug/L	0.017		0.10	1			11/21/2022 16:51	RLD	EPA 8260C
1,1-Dichloroethene	**0.49**	ug/L	0.024		0.10	1			11/21/2022 16:51	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074		0.20	1			11/21/2022 16:51	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019		0.10	1			11/21/2022 16:51	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031		0.20	1			11/21/2022 16:51	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022		0.10	1			11/21/2022 16:51	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011		0.10	1			11/21/2022 16:51	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12		0.40	1			11/21/2022 16:51	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029		0.20	1			11/21/2022 16:51	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016		0.10	1			11/21/2022 16:51	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017		0.10	1			11/21/2022 16:51	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013		0.10	1			11/21/2022 16:51	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013		0.10	1			11/21/2022 16:51	RLD	EPA 8260C
1,3-Dichlorobenzene	**0.074**	ug/L	0.013	*	0.10	1			11/21/2022 16:51	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020		0.10	1			11/21/2022 16:51	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017		0.10	1			11/21/2022 16:51	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075		0.30	1			11/21/2022 16:51	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31		2.0	1			11/21/2022 16:51	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020		0.10	1			11/21/2022 16:51	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15		1.0	1			11/21/2022 16:51	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013		0.10	1			11/21/2022 16:51	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19		1.0	1			11/21/2022 16:51	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84		4.0	1			11/21/2022 16:51	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022		0.10	1			11/21/2022 16:51	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018		0.10	1			11/21/2022 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#: 1264309 Sample Description: MW-12S License/Well #: 04189/020 Sampled: 11/15/2022 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			11/21/2022 16:51	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			11/21/2022 16:51	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			11/21/2022 16:51	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			11/21/2022 16:51	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			11/21/2022 16:51	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			11/21/2022 16:51	RLD	EPA 8260C
Chlorobenzene	**0.039**	ug/L	0.013 *	0.10	1			11/21/2022 16:51	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			11/21/2022 16:51	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			11/21/2022 16:51	RLD	EPA 8260C
Chloromethane	**0.060**	ug/L	0.045 *	0.20	1			11/21/2022 16:51	RLD	EPA 8260C
cis-1,2-Dichloroethene	**29**	ug/L	0.12	0.50	5			11/22/2022 12:41	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			11/21/2022 16:51	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			11/21/2022 16:51	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			11/21/2022 16:51	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			11/21/2022 16:51	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			11/21/2022 16:51	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			11/21/2022 16:51	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			11/21/2022 16:51	RLD	EPA 8260C
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1			11/21/2022 16:51	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1			11/21/2022 16:51	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			11/21/2022 16:51	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			11/21/2022 16:51	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/21/2022 16:51	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1			11/21/2022 16:51	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			11/21/2022 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#: 1264309 Sample Description: MW-12S License/Well #: 04189/020 Sampled: 11/15/2022 09:00

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			11/21/2022 16:51	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			11/21/2022 16:51	RLD	EPA 8260C
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/21/2022 16:51	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			11/21/2022 16:51	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1			11/21/2022 16:51	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			11/21/2022 16:51	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			11/21/2022 16:51	RLD	EPA 8260C
Toluene	<0.020	ug/L	0.020	0.10	1			11/21/2022 16:51	RLD	EPA 8260C
trans-1,2-Dichloroethene	**3.0**	ug/L	0.020	0.10	1			11/21/2022 16:51	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			11/21/2022 16:51	RLD	EPA 8260C
Trichloroethene	**18**	ug/L	0.11	0.50	5			11/22/2022 12:41	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			11/21/2022 16:51	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			11/21/2022 16:51	RLD	EPA 8260C
Vinyl chloride	**1.0**	ug/L	0.019	0.10	1			11/21/2022 16:51	RLD	EPA 8260C
1,4-Dioxane	<7.0	ug/L	7.0	23	1			11/21/2022 16:51	RLD	EPA 8260C

CT LAB Sample#: 1264310 Sample Description: MW-12S License/Well #: 04189/020 Sampled: 11/15/2022 09:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Iron	**0.052**	mg/L	0.027 *	0.09	1			11/16/2022 17:45	NAH	EPA 6010C
Dissolved Manganese	**124**	ug/L	1.2	5.0	1			11/16/2022 17:45	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#: 1264311 Sample Description: TW-202I License/Well #: 04189/048 Sampled: 11/15/2022 10:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Dissolved Oxygen (Field)	**0.39**	mg/L			1			11/15/2022 10:00	SUB	FIELD
Depth to Groundwater (Field)	**6.38**	Feet			1			11/15/2022 10:00	SUB	FIELD
OX/REDOX (Field)	**128.2**	MV			1			11/15/2022 10:00	SUB	FIELD
Color (Field)	**CLEAR**		N/A	N/A	1			11/15/2022 10:00	SUB	FIELD
Conductivity (Field)	**1261.3**	umhos/cm			1			11/15/2022 10:00	SUB	FIELD
Odor (Field)	**NONE**		N/A	N/A	1			11/15/2022 10:00	SUB	FIELD
pH (Field)	**7.35**	S.U.			1			11/15/2022 10:00	SUB	FIELD
Temperature (Field)	**10.97**	Deg. C			1			11/15/2022 10:00	SUB	FIELD
Turbidity (Field)	**0.61**	NTU			1			11/15/2022 10:00	SUB	FIELD
Inorganic Results										
Alkalinity Total	**340**	mg/L	21	70	1			11/22/2022 11:12	BRB	EPA 310.2
Total Sulfide	<1.0	mg/L	1.0		1			11/17/2022 11:00	ATJ	SM 4500-S2F
Nitrate Nitrogen Total	<0.12	mg/L	0.12	0.40	1			11/16/2022 16:24	TMG	EPA 9056A
Total Chloride	**300**	mg/L	20	64	20			11/17/2022 08:17	TMG	EPA 9056A
Total Sulfate	**35**	mg/L	0.80	2.5	1			11/16/2022 16:24	TMG	EPA 9056A
Total Organic Carbon	**2.8**	mg/L	0.4	1.3	1			11/17/2022 14:45	TMG	EPA 9060A
Metals Results										
Total Iron	**0.309**	mg/L	0.033	0.11	1		11/16/2022 14:25	11/18/2022 06:00	NAH	EPA 6010C
Total Manganese	**506**	ug/L	1.5	5.0	1		11/16/2022 14:25	11/18/2022 06:00	NAH	EPA 6010C
Organic Results										
Ethane	<0.38	ug/L	0.38	1.3	1		11/16/2022 14:30	11/17/2022 09:03	DGS	RSK 175
Ethene	<0.59	ug/L	0.59	2.0	1		11/16/2022 14:30	11/17/2022 09:03	DGS	RSK 175
Methane	**3.9**	ug/L	0.45	1.5	1		11/16/2022 14:30	11/17/2022 09:03	DGS	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#: 1264311 Sample Description: TW-202I License/Well #: 04189/048 Sampled: 11/15/2022 10:00

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			11/21/2022 11:10	RLD	EPA 8260C
1,1,1-Trichloroethane	**0.11**	ug/L	0.013	0.10	1			11/21/2022 11:10	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			11/21/2022 11:10	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			11/21/2022 11:10	RLD	EPA 8260C
1,1-Dichloroethane	**0.019**	ug/L	0.017 *	0.10	1			11/21/2022 11:10	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			11/21/2022 11:10	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			11/21/2022 11:10	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			11/21/2022 11:10	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			11/21/2022 11:10	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			11/21/2022 11:10	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			11/21/2022 11:10	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			11/21/2022 11:10	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			11/21/2022 11:10	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			11/21/2022 11:10	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/21/2022 11:10	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			11/21/2022 11:10	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			11/21/2022 11:10	RLD	EPA 8260C
1,3-Dichlorobenzene	**0.026**	ug/L	0.013 *	0.10	1			11/21/2022 11:10	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			11/21/2022 11:10	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			11/21/2022 11:10	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			11/21/2022 11:10	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			11/21/2022 11:10	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			11/21/2022 11:10	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			11/21/2022 11:10	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			11/21/2022 11:10	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#: 1264311 Sample Description: TW-202I License/Well #: 04189/048 Sampled: 11/15/2022 10:00

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			11/21/2022 11:10	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			11/21/2022 11:10	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			11/21/2022 11:10	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			11/21/2022 11:10	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			11/21/2022 11:10	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			11/21/2022 11:10	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			11/21/2022 11:10	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			11/21/2022 11:10	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			11/21/2022 11:10	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			11/21/2022 11:10	RLD	EPA 8260C
Chlorobenzene	**0.32**	ug/L	0.013	0.10	1			11/21/2022 11:10	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			11/21/2022 11:10	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			11/21/2022 11:10	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			11/21/2022 11:10	RLD	EPA 8260C
cis-1,2-Dichloroethene	**3.0**	ug/L	0.023	0.10	1			11/21/2022 11:10	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			11/21/2022 11:10	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			11/21/2022 11:10	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			11/21/2022 11:10	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			11/21/2022 11:10	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			11/21/2022 11:10	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			11/21/2022 11:10	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			11/21/2022 11:10	RLD	EPA 8260C
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1			11/21/2022 11:10	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1			11/21/2022 11:10	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			11/21/2022 11:10	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#: 1264311 Sample Description: TW-202I License/Well #: 04189/048 Sampled: 11/15/2022 10:00

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			11/21/2022 11:10	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/21/2022 11:10	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1			11/21/2022 11:10	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			11/21/2022 11:10	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			11/21/2022 11:10	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			11/21/2022 11:10	RLD	EPA 8260C
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/21/2022 11:10	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			11/21/2022 11:10	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1			11/21/2022 11:10	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			11/21/2022 11:10	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			11/21/2022 11:10	RLD	EPA 8260C
Toluene	<0.020	ug/L	0.020	0.10	1			11/21/2022 11:10	RLD	EPA 8260C
trans-1,2-Dichloroethene	**0.37**	ug/L	0.020	0.10	1			11/21/2022 11:10	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			11/21/2022 11:10	RLD	EPA 8260C
Trichloroethene	**4.9**	ug/L	0.022	0.10	1			11/21/2022 11:10	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			11/21/2022 11:10	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			11/21/2022 11:10	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			11/21/2022 11:10	RLD	EPA 8260C
1,4-Dioxane	<7.0	ug/L	7.0	23	1			11/21/2022 11:10	RLD	EPA 8260C

CT LAB Sample#: 1264312 Sample Description: TW-202I License/Well #: 04189/048 Sampled: 11/15/2022 10:00

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

Metals Results

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

CT LAB Sample#: 1264312 Sample Description: TW-202I License/Well #: 04189/048 Sampled: 11/15/2022 10:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dissolved Iron	**0.174**	mg/L	0.027	0.09	1			11/16/2022 17:53	NAH	EPA 6010C
Dissolved Manganese	**486**	ug/L	1.2	5.0	1			11/16/2022 17:53	NAH	EPA 6010C

CT LAB Sample#: 1264313 Sample Description: MW-3D License/Well #: 04189/006 Sampled: 11/15/2022 10:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Dissolved Oxygen (Field)	**0.44**	mg/L			1			11/15/2022 10:30	SUB	FIELD
Depth to Groundwater (Field)	**7.95**	Feet			1			11/15/2022 10:30	SUB	FIELD
OX/REDOX (Field)	**118.4**	MV			1			11/15/2022 10:30	SUB	FIELD
Color (Field)	**CLEAR**		N/A	N/A	1			11/15/2022 10:30	SUB	FIELD
Conductivity (Field)	**950.53**	umhos/cm			1			11/15/2022 10:30	SUB	FIELD
Odor (Field)	**NONE**		N/A	N/A	1			11/15/2022 10:30	SUB	FIELD
pH (Field)	**7.47**	S.U.			1			11/15/2022 10:30	SUB	FIELD
Temperature (Field)	**10.65**	Deg. C			1			11/15/2022 10:30	SUB	FIELD
Turbidity (Field)	**3.23**	NTU			1			11/15/2022 10:30	SUB	FIELD
Inorganic Results										
Alkalinity Total	**330**	mg/L	21	70	1			11/22/2022 11:13	BRB	EPA 310.2
Total Sulfide	<1.0	mg/L	1.0		1			11/17/2022 11:00	ATJ	SM 4500-S2F
Nitrate Nitrogen Total	<0.12	mg/L	0.12	0.40	1			11/16/2022 17:00	TMG	EPA 9056A
Total Chloride	**190**	mg/L	10	32	10			11/16/2022 18:12	TMG	EPA 9056A
Total Sulfate	**38**	mg/L	0.80	2.5	1			11/16/2022 17:00	TMG	EPA 9056A
Total Organic Carbon	**1.3**	mg/L	0.4	1.3	1			11/17/2022 14:56	TMG	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#: 1264313 Sample Description: MW-3D License/Well #: 04189/006 Sampled: 11/15/2022 10:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Total Iron	**0.654**	mg/L	0.033	0.11	1		11/16/2022 14:25	11/18/2022 06:08	NAH	EPA 6010C
Total Manganese	**60.2**	ug/L	1.5	5.0	1		11/16/2022 14:25	11/18/2022 06:08	NAH	EPA 6010C
Organic Results										
Ethane	<0.38	ug/L	0.38	1.3	1		11/16/2022 14:30	11/17/2022 09:07	DGS	RSK 175
Ethene	<0.59	ug/L	0.59	2.0	1		11/16/2022 14:30	11/17/2022 09:07	DGS	RSK 175
Methane	**2.0**	ug/L	0.45	1.5	1		11/16/2022 14:30	11/17/2022 09:07	DGS	RSK 175
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			11/21/2022 11:39	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			11/21/2022 11:39	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			11/21/2022 11:39	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			11/21/2022 11:39	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/21/2022 11:39	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			11/21/2022 11:39	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			11/21/2022 11:39	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			11/21/2022 11:39	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			11/21/2022 11:39	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			11/21/2022 11:39	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			11/21/2022 11:39	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			11/21/2022 11:39	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			11/21/2022 11:39	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			11/21/2022 11:39	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/21/2022 11:39	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			11/21/2022 11:39	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			11/21/2022 11:39	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			11/21/2022 11:39	RLD	EPA 8260C

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

CT LAB Sample#: 1264313 Sample Description: MW-3D License/Well #: 04189/006 Sampled: 11/15/2022 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			11/21/2022 11:39	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			11/21/2022 11:39	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			11/21/2022 11:39	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			11/21/2022 11:39	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			11/21/2022 11:39	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			11/21/2022 11:39	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			11/21/2022 11:39	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			11/21/2022 11:39	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			11/21/2022 11:39	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			11/21/2022 11:39	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			11/21/2022 11:39	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			11/21/2022 11:39	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			11/21/2022 11:39	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			11/21/2022 11:39	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			11/21/2022 11:39	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			11/21/2022 11:39	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			11/21/2022 11:39	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			11/21/2022 11:39	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			11/21/2022 11:39	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			11/21/2022 11:39	RLD	EPA 8260C
Chloromethane	**0.056**	ug/L	0.045 *	0.20	1			11/21/2022 11:39	RLD	EPA 8260C
cis-1,2-Dichloroethene	**3.6**	ug/L	0.023	0.10	1			11/21/2022 11:39	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			11/21/2022 11:39	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			11/21/2022 11:39	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			11/21/2022 11:39	RLD	EPA 8260C

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

CT LAB Sample#: 1264313 Sample Description: MW-3D License/Well #: 04189/006 Sampled: 11/15/2022 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			11/21/2022 11:39	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			11/21/2022 11:39	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			11/21/2022 11:39	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			11/21/2022 11:39	RLD	EPA 8260C
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1			11/21/2022 11:39	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1			11/21/2022 11:39	RLD	EPA 8260C
Methyl tert-butyl ether	**1.1**	ug/L	0.014	0.10	1			11/21/2022 11:39	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			11/21/2022 11:39	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/21/2022 11:39	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1			11/21/2022 11:39	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			11/21/2022 11:39	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			11/21/2022 11:39	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			11/21/2022 11:39	RLD	EPA 8260C
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/21/2022 11:39	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			11/21/2022 11:39	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1			11/21/2022 11:39	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			11/21/2022 11:39	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			11/21/2022 11:39	RLD	EPA 8260C
Toluene	<0.020	ug/L	0.020	0.10	1			11/21/2022 11:39	RLD	EPA 8260C
trans-1,2-Dichloroethene	**0.11**	ug/L	0.020	0.10	1			11/21/2022 11:39	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			11/21/2022 11:39	RLD	EPA 8260C
Trichloroethene	**0.034**	ug/L	0.022 *	0.10	1			11/21/2022 11:39	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			11/21/2022 11:39	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			11/21/2022 11:39	RLD	EPA 8260C
Vinyl chloride	**0.10**	ug/L	0.019	0.10	1			11/21/2022 11:39	RLD	EPA 8260C

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

CT LAB Sample#: 1264313 Sample Description: MW-3D License/Well #: 04189/006 Sampled: 11/15/2022 10:30

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			11/21/2022 11:39	RLD	EPA 8260C

CT LAB Sample#: 1264314 Sample Description: MW-3D License/Well #: 04189/006 Sampled: 11/15/2022 10:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Iron	**0.386**	mg/L	0.027	0.09	1			11/16/2022 18:00	NAH	EPA 6010C
Dissolved Manganese	**55.4**	ug/L	1.2	5.0	1			11/16/2022 18:00	NAH	EPA 6010C

CT LAB Sample#: 1264315 Sample Description: MW-2D License/Well #: 04189/004 Sampled: 11/15/2022 11:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Dissolved Oxygen (Field)	**0.4**	mg/L			1			11/15/2022 11:00	SUB	FIELD
Depth to Groundwater (Field)	**5.02**	Feet			1			11/15/2022 11:00	SUB	FIELD
OX/REDOX (Field)	**83.9**	MV			1			11/15/2022 11:00	SUB	FIELD
Color (Field)	**CLEAR**		N/A	N/A	1			11/15/2022 11:00	SUB	FIELD
Conductivity (Field)	**937.3**	umhos/cm			1			11/15/2022 11:00	SUB	FIELD
Odor (Field)	**SEWAGE**		N/A	N/A	1			11/15/2022 11:00	SUB	FIELD
pH (Field)	**7.46**	S.U.			1			11/15/2022 11:00	SUB	FIELD
Temperature (Field)	**11.58**	Deg. C			1			11/15/2022 11:00	SUB	FIELD
Turbidity (Field)	**4.08**	NTU			1			11/15/2022 11:00	SUB	FIELD
Inorganic Results										
Alkalinity Total	**340**	mg/L	21	70	1			11/22/2022 11:14	BRB	EPA 310.2

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

CT LAB Sample#: 1264315 Sample Description: MW-2D License/Well #: 04189/004 Sampled: 11/15/2022 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			11/17/2022 11:00	ATJ	SM 4500-S2F
Nitrate Nitrogen Total	**0.37**	mg/L	0.12 *	0.40	1			11/16/2022 18:31	TMG	EPA 9056A
Total Chloride	**180**	mg/L	10	32	10			11/16/2022 18:49	TMG	EPA 9056A
Total Sulfate	**38**	mg/L	0.80	2.5	1			11/16/2022 18:31	TMG	EPA 9056A
Total Organic Carbon	**1.4**	mg/L	0.4	1.3	1			11/17/2022 15:39	TMG	EPA 9060A
Metals Results										
Total Iron	**1.09**	mg/L	0.033	0.11	1		11/16/2022 14:25	11/18/2022 06:15	NAH	EPA 6010C
Total Manganese	**24.6**	ug/L	1.5	5.0	1		11/16/2022 14:25	11/18/2022 06:15	NAH	EPA 6010C
Organic Results										
Ethane	<0.38	ug/L	0.38	1.3	1		11/16/2022 14:30	11/17/2022 09:11	DGS	RSK 175
Ethene	<0.59	ug/L	0.59	2.0	1		11/16/2022 14:30	11/17/2022 09:11	DGS	RSK 175
Methane	**6.8**	ug/L	0.45	1.5	1		11/16/2022 14:30	11/17/2022 09:11	DGS	RSK 175
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			11/21/2022 12:07	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			11/21/2022 12:07	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			11/21/2022 12:07	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			11/21/2022 12:07	RLD	EPA 8260C
1,1-Dichloroethane	**0.12**	ug/L	0.017	0.10	1			11/21/2022 12:07	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			11/21/2022 12:07	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			11/21/2022 12:07	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			11/21/2022 12:07	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			11/21/2022 12:07	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			11/21/2022 12:07	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			11/21/2022 12:07	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			11/21/2022 12:07	RLD	EPA 8260C

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

CT LAB Sample#: 1264315 Sample Description: MW-2D License/Well #: 04189/004 Sampled: 11/15/2022 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			11/21/2022 12:07	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			11/21/2022 12:07	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/21/2022 12:07	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			11/21/2022 12:07	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			11/21/2022 12:07	RLD	EPA 8260C
1,3-Dichlorobenzene	**0.043**	ug/L	0.013 *	0.10	1			11/21/2022 12:07	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			11/21/2022 12:07	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			11/21/2022 12:07	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			11/21/2022 12:07	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			11/21/2022 12:07	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			11/21/2022 12:07	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			11/21/2022 12:07	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			11/21/2022 12:07	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			11/21/2022 12:07	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			11/21/2022 12:07	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			11/21/2022 12:07	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			11/21/2022 12:07	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			11/21/2022 12:07	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			11/21/2022 12:07	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			11/21/2022 12:07	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			11/21/2022 12:07	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			11/21/2022 12:07	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			11/21/2022 12:07	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			11/21/2022 12:07	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			11/21/2022 12:07	RLD	EPA 8260C

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

CT LAB Sample#: 1264315 Sample Description: MW-2D License/Well #: 04189/004 Sampled: 11/15/2022 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			11/21/2022 12:07	RLD	EPA 8260C
Chloromethane	**0.055**	ug/L	0.045 *	0.20	1			11/21/2022 12:07	RLD	EPA 8260C
cis-1,2-Dichloroethene	**0.15**	ug/L	0.023	0.10	1			11/21/2022 12:07	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			11/21/2022 12:07	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			11/21/2022 12:07	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			11/21/2022 12:07	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			11/21/2022 12:07	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			11/21/2022 12:07	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			11/21/2022 12:07	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			11/21/2022 12:07	RLD	EPA 8260C
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1			11/21/2022 12:07	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1			11/21/2022 12:07	RLD	EPA 8260C
Methyl tert-butyl ether	**0.053**	ug/L	0.014 *	0.10	1			11/21/2022 12:07	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			11/21/2022 12:07	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/21/2022 12:07	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1			11/21/2022 12:07	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			11/21/2022 12:07	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			11/21/2022 12:07	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			11/21/2022 12:07	RLD	EPA 8260C
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/21/2022 12:07	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			11/21/2022 12:07	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1			11/21/2022 12:07	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			11/21/2022 12:07	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			11/21/2022 12:07	RLD	EPA 8260C
Toluene	<0.020	ug/L	0.020	0.10	1			11/21/2022 12:07	RLD	EPA 8260C

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

CT LAB Sample#: 1264315 Sample Description: MW-2D License/Well #: 04189/004 Sampled: 11/15/2022 11:00

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			11/21/2022 12:07	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			11/21/2022 12:07	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			11/21/2022 12:07	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			11/21/2022 12:07	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			11/21/2022 12:07	RLD	EPA 8260C
Vinyl chloride	**0.038**	ug/L	0.019 *	0.10	1			11/21/2022 12:07	RLD	EPA 8260C
1,4-Dioxane	<7.0	ug/L	7.0	23	1			11/21/2022 12:07	RLD	EPA 8260C

CT LAB Sample#: 1264316 Sample Description: MW-2D License/Well #: 04189/004 Sampled: 11/15/2022 11:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Iron	**0.822**	mg/L	0.027	0.09	1			11/16/2022 18:08	NAH	EPA 6010C
Dissolved Manganese	**23.2**	ug/L	1.2	5.0	1			11/16/2022 18:08	NAH	EPA 6010C

CT LAB Sample#: 1264317 Sample Description: OW-6 License/Well #: 04189/049 Sampled: 11/15/2022 11:45

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Dissolved Oxygen (Field)	**0.67**	mg/L			1			11/15/2022 11:45	SUB	FIELD
Depth to Groundwater (Field)	**6.39**	Feet			1			11/15/2022 11:45	SUB	FIELD
OX/REDOX (Field)	**39.3**	MV			1			11/15/2022 11:45	SUB	FIELD
Color (Field)	**CLEAR**		N/A	N/A	1			11/15/2022 11:45	SUB	FIELD
Conductivity (Field)	**815.6**	umhos/cm			1			11/15/2022 11:45	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#: 1264317 Sample Description: OW-6 License/Well #: 04189/049 Sampled: 11/15/2022 11:45

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Odor (Field)	**NONE**		N/A	N/A	1			11/15/2022 11:45	SUB	FIELD
pH (Field)	**9.83**	S.U.			1			11/15/2022 11:45	SUB	FIELD
Temperature (Field)	**10.95**	Deg. C			1			11/15/2022 11:45	SUB	FIELD
Turbidity (Field)	**5.45**	NTU			1			11/15/2022 11:45	SUB	FIELD
Inorganic Results										
Alkalinity Total	**270**	mg/L	21	70	1			11/22/2022 11:15	BRB	EPA 310.2
Total Sulfide	<1.0	mg/L	1.0		1			11/17/2022 11:00	ATJ	SM 4500-S2F
Nitrate Nitrogen Total	**0.75**	mg/L	0.12	0.40	1			11/16/2022 19:07	TMG	EPA 9056A
Total Chloride	**110**	mg/L	5.0	16	5			11/16/2022 19:25	TMG	EPA 9056A
Total Sulfate	**15**	mg/L	0.80	2.5	1			11/16/2022 19:07	TMG	EPA 9056A
Total Organic Carbon	**0.93**	mg/L	0.4 *	1.3	1			11/17/2022 16:27	TMG	EPA 9060A
Metals Results										
Total Iron	<0.033	mg/L	0.033	0.11	1		11/16/2022 14:25	11/18/2022 06:23	NAH	EPA 6010C
Total Manganese	<1.5	ug/L	1.5	5.0	1		11/16/2022 14:25	11/18/2022 06:23	NAH	EPA 6010C
Organic Results										
Ethane	<0.38	ug/L	0.38	1.3	1		11/16/2022 14:30	11/17/2022 09:15	DGS	RSK 175
Ethene	<0.59	ug/L	0.59	2.0	1		11/16/2022 14:30	11/17/2022 09:15	DGS	RSK 175
Methane	<0.45	ug/L	0.45	1.5	1		11/16/2022 14:30	11/17/2022 09:15	DGS	RSK 175
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			11/21/2022 12:35	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			11/21/2022 12:35	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			11/21/2022 12:35	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			11/21/2022 12:35	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/21/2022 12:35	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			11/21/2022 12:35	RLD	EPA 8260C

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

CT LAB Sample#: 1264317 Sample Description: OW-6 License/Well #: 04189/049 Sampled: 11/15/2022 11:45

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			11/21/2022 12:35	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			11/21/2022 12:35	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			11/21/2022 12:35	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			11/21/2022 12:35	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			11/21/2022 12:35	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			11/21/2022 12:35	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			11/21/2022 12:35	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			11/21/2022 12:35	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/21/2022 12:35	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			11/21/2022 12:35	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			11/21/2022 12:35	RLD	EPA 8260C
1,3-Dichlorobenzene	**0.040**	ug/L	0.013 *	0.10	1			11/21/2022 12:35	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			11/21/2022 12:35	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			11/21/2022 12:35	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			11/21/2022 12:35	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			11/21/2022 12:35	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			11/21/2022 12:35	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			11/21/2022 12:35	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			11/21/2022 12:35	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			11/21/2022 12:35	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			11/21/2022 12:35	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			11/21/2022 12:35	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			11/21/2022 12:35	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			11/21/2022 12:35	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			11/21/2022 12:35	RLD	EPA 8260C

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

CT LAB Sample#: 1264317 Sample Description: OW-6 License/Well #: 04189/049 Sampled: 11/15/2022 11:45

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			11/21/2022 12:35	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			11/21/2022 12:35	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			11/21/2022 12:35	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			11/21/2022 12:35	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			11/21/2022 12:35	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			11/21/2022 12:35	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			11/21/2022 12:35	RLD	EPA 8260C
Chloromethane	**0.049**	ug/L	0.045 *	0.20	1			11/21/2022 12:35	RLD	EPA 8260C
cis-1,2-Dichloroethene	**0.036**	ug/L	0.023 *	0.10	1			11/21/2022 12:35	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			11/21/2022 12:35	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			11/21/2022 12:35	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			11/21/2022 12:35	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			11/21/2022 12:35	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			11/21/2022 12:35	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			11/21/2022 12:35	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			11/21/2022 12:35	RLD	EPA 8260C
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1			11/21/2022 12:35	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1			11/21/2022 12:35	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			11/21/2022 12:35	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			11/21/2022 12:35	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/21/2022 12:35	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1			11/21/2022 12:35	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			11/21/2022 12:35	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			11/21/2022 12:35	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			11/21/2022 12:35	RLD	EPA 8260C

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

CT LAB Sample#: 1264317 Sample Description: OW-6 License/Well #: 04189/049 Sampled: 11/15/2022 11:45

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/21/2022 12:35	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			11/21/2022 12:35	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1			11/21/2022 12:35	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			11/21/2022 12:35	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			11/21/2022 12:35	RLD	EPA 8260C
Toluene	<0.020	ug/L	0.020	0.10	1			11/21/2022 12:35	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			11/21/2022 12:35	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			11/21/2022 12:35	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			11/21/2022 12:35	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			11/21/2022 12:35	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			11/21/2022 12:35	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			11/21/2022 12:35	RLD	EPA 8260C
1,4-Dioxane	<7.0	ug/L	7.0	23	1			11/21/2022 12:35	RLD	EPA 8260C

CT LAB Sample#: 1264318 Sample Description: OW-6 License/Well #: 04189/049 Sampled: 11/15/2022 11:45

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			11/16/2022 18:15	NAH	EPA 6010C
Dissolved Manganese	**1.3**	ug/L	1.2 *	5.0	1			11/16/2022 18:15	NAH	EPA 6010C

CT LAB Sample#: 1264319 Sample Description: MW-103D License/Well #: 04189/040 Sampled: 11/15/2022 12:30

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

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

CT LAB Sample#: 1264319 Sample Description: MW-103D License/Well #: 04189/040 Sampled: 11/15/2022 12:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Dissolved Oxygen (Field)	**0.38**	mg/L			1			11/15/2022 12:30	SUB	FIELD
Depth to Groundwater (Field)	**5.18**	Feet			1			11/15/2022 12:30	SUB	FIELD
OX/REDOX (Field)	**94.8**	MV			1			11/15/2022 12:30	SUB	FIELD
Color (Field)	**CLEAR**		N/A	N/A	1			11/15/2022 12:30	SUB	FIELD
Conductivity (Field)	**1055.1**	umhos/cm			1			11/15/2022 12:30	SUB	FIELD
Odor (Field)	**NONE**		N/A	N/A	1			11/15/2022 12:30	SUB	FIELD
pH (Field)	**7.59**	S.U.			1			11/15/2022 12:30	SUB	FIELD
Temperature (Field)	**10.93**	Deg. C			1			11/15/2022 12:30	SUB	FIELD
Turbidity (Field)	**2.49**	NTU			1			11/15/2022 12:30	SUB	FIELD
Inorganic Results										
Alkalinity Total	**350**	mg/L	21	70	1			11/22/2022 11:16	BRB	EPA 310.2
Total Sulfide	<1.0	mg/L	1.0		1			11/17/2022 11:00	ATJ	SM 4500-S2F
Nitrate Nitrogen Total	<0.12	mg/L	0.12	0.40	1			11/16/2022 19:43	TMG	EPA 9056A
Total Chloride	**210**	mg/L	10	32	10			11/16/2022 20:01	TMG	EPA 9056A
Total Sulfate	**53**	mg/L	0.80	2.5	1			11/16/2022 19:43	TMG	EPA 9056A
Total Organic Carbon	**5.4**	mg/L	0.4	1.3	1			11/17/2022 16:38	TMG	EPA 9060A
Metals Results										
Total Iron	**0.0881**	mg/L	0.033 *	0.11	1		11/16/2022 14:25	11/18/2022 06:30	NAH	EPA 6010C
Total Manganese	**260**	ug/L	1.5	5.0	1		11/16/2022 14:25	11/18/2022 06:30	NAH	EPA 6010C
Organic Results										
Ethane	<0.38	ug/L	0.38	1.3	1		11/16/2022 14:30	11/17/2022 09:19	DGS	RSK 175
Ethene	<0.59	ug/L	0.59	2.0	1		11/16/2022 14:30	11/17/2022 09:19	DGS	RSK 175
Methane	**3.6**	ug/L	0.45	1.5	1		11/16/2022 14:30	11/17/2022 09:19	DGS	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#: 1264319 Sample Description: MW-103D License/Well #: 04189/040 Sampled: 11/15/2022 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			11/21/2022 13:04	RLD	EPA 8260C
1,1,1-Trichloroethane	**17**	ug/L	0.26	2.0	20			11/22/2022 12:13	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			11/21/2022 13:04	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			11/21/2022 13:04	RLD	EPA 8260C
1,1-Dichloroethane	**6.2**	ug/L	0.017	0.10	1			11/21/2022 13:04	RLD	EPA 8260C
1,1-Dichloroethene	**1.4**	ug/L	0.024	0.10	1			11/21/2022 13:04	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			11/21/2022 13:04	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			11/21/2022 13:04	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			11/21/2022 13:04	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			11/21/2022 13:04	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			11/21/2022 13:04	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			11/21/2022 13:04	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			11/21/2022 13:04	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			11/21/2022 13:04	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/21/2022 13:04	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			11/21/2022 13:04	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			11/21/2022 13:04	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			11/21/2022 13:04	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			11/21/2022 13:04	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			11/21/2022 13:04	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			11/21/2022 13:04	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			11/21/2022 13:04	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			11/21/2022 13:04	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			11/21/2022 13:04	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			11/21/2022 13:04	RLD	EPA 8260C

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

CT LAB Sample#: 1264319 Sample Description: MW-103D License/Well #: 04189/040 Sampled: 11/15/2022 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			11/21/2022 13:04	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84		4.0	1			11/21/2022 13:04	RLD	EPA 8260C
Benzene	**0.035**	ug/L	0.022	*	0.10	1			11/21/2022 13:04	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018		0.10	1			11/21/2022 13:04	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034		0.20	1			11/21/2022 13:04	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019		0.10	1			11/21/2022 13:04	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041		0.20	1			11/21/2022 13:04	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052		0.20	1			11/21/2022 13:04	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11		0.40	1			11/21/2022 13:04	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018		0.10	1			11/21/2022 13:04	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013		0.10	1			11/21/2022 13:04	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40		1.5	1			11/21/2022 13:04	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016		0.10	1			11/21/2022 13:04	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045		0.20	1			11/21/2022 13:04	RLD	EPA 8260C
cis-1,2-Dichloroethene	**92**	ug/L	0.46		2.0	20			11/22/2022 12:13	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014		0.10	1			11/21/2022 13:04	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016		0.10	1			11/21/2022 13:04	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018		0.10	1			11/21/2022 13:04	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091		0.30	1			11/21/2022 13:04	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02		0.1	1			11/21/2022 13:04	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014		0.10	1			11/21/2022 13:04	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027		0.20	1			11/21/2022 13:04	RLD	EPA 8260C
Isopropylbenzene	<0.020	ug/L	0.020		0.10	1			11/21/2022 13:04	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030		0.20	1			11/21/2022 13:04	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014		0.10	1			11/21/2022 13:04	RLD	EPA 8260C

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

CT LAB Sample#: 1264319 Sample Description: MW-103D License/Well #: 04189/040 Sampled: 11/15/2022 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			11/21/2022 13:04	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/21/2022 13:04	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1			11/21/2022 13:04	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			11/21/2022 13:04	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			11/21/2022 13:04	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			11/21/2022 13:04	RLD	EPA 8260C
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/21/2022 13:04	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			11/21/2022 13:04	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1			11/21/2022 13:04	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			11/21/2022 13:04	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			11/21/2022 13:04	RLD	EPA 8260C
Toluene	<0.020	ug/L	0.020	0.10	1			11/21/2022 13:04	RLD	EPA 8260C
trans-1,2-Dichloroethene	**0.87**	ug/L	0.020	0.10	1			11/21/2022 13:04	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			11/21/2022 13:04	RLD	EPA 8260C
Trichloroethene	**170**	ug/L	0.44	2.0	20			11/22/2022 12:13	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			11/21/2022 13:04	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			11/21/2022 13:04	RLD	EPA 8260C
Vinyl chloride	**0.18**	ug/L	0.019	0.10	1			11/21/2022 13:04	RLD	EPA 8260C
1,4-Dioxane	<7.0	ug/L	7.0	23	1			11/21/2022 13:04	RLD	EPA 8260C

CT LAB Sample#: 1264320 Sample Description: MW-103D License/Well #: 04189/040 Sampled: 11/15/2022 12:30

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

Metals Results

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

CT LAB Sample#: 1264320 Sample Description: MW-103D License/Well #: 04189/040 Sampled: 11/15/2022 12:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dissolved Iron	**0.0556**	mg/L	0.027 *	0.09	1			11/16/2022 18:22	NAH	EPA 6010C
Dissolved Manganese	**262**	ug/L	1.2	5.0	1			11/16/2022 18:22	NAH	EPA 6010C

CT LAB Sample#: 1264321 Sample Description: MW-103S License/Well #: 04189/039 Sampled: 11/15/2022 13:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Dissolved Oxygen (Field)	**1.96**	mg/L			1			11/15/2022 13:30	SUB	FIELD
Depth to Groundwater (Field)	**5.68**	Feet			1			11/15/2022 13:30	SUB	FIELD
OX/REDOX (Field)	**112.6**	MV			1			11/15/2022 13:30	SUB	FIELD
Color (Field)	**CLEAR**		N/A	N/A	1			11/15/2022 13:30	SUB	FIELD
Conductivity (Field)	**699.53**	umhos/cm			1			11/15/2022 13:30	SUB	FIELD
Odor (Field)	**NONE**		N/A	N/A	1			11/15/2022 13:30	SUB	FIELD
pH (Field)	**7.31**	S.U.			1			11/15/2022 13:30	SUB	FIELD
Temperature (Field)	**11.10**	Deg. C			1			11/15/2022 13:30	SUB	FIELD
Turbidity (Field)	**6.87**	NTU			1			11/15/2022 13:30	SUB	FIELD
Inorganic Results										
Alkalinity Total	**540**	mg/L	21	70	1			11/22/2022 11:17	BRB	EPA 310.2
Total Sulfide	<1.0	mg/L	1.0		1			11/21/2022 09:00	ATJ	SM 4500-S2F
Nitrate Nitrogen Total	**0.35**	mg/L	0.12 *	0.40	1			11/16/2022 20:19	TMG	EPA 9056A
Total Chloride	**32**	mg/L	1.0	3.2	1			11/16/2022 20:19	TMG	EPA 9056A
Total Sulfate	**68**	mg/L	0.80	2.5	1			11/16/2022 20:19	TMG	EPA 9056A
Total Organic Carbon	**7.0**	mg/L	0.4	1.3	1			11/17/2022 16:50	TMG	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#: 1264321 Sample Description: MW-103S License/Well #: 04189/039 Sampled: 11/15/2022 13:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Total Iron	**0.0676**	mg/L	0.033 *	0.11	1		11/16/2022 14:25	11/18/2022 06:58	NAH	EPA 6010C
Total Manganese	**439**	ug/L	1.5	5.0	1		11/16/2022 14:25	11/18/2022 06:58	NAH	EPA 6010C
Organic Results										
Ethane	<0.38	ug/L	0.38	1.3	1		11/16/2022 14:30	11/17/2022 09:23	DGS	RSK 175
Ethene	<0.59	ug/L	0.59	2.0	1		11/16/2022 14:30	11/17/2022 09:23	DGS	RSK 175
Methane	**6.5**	ug/L	0.45	1.5	1		11/16/2022 14:30	11/17/2022 09:23	DGS	RSK 175
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			11/21/2022 17:48	RLD	EPA 8260C
1,1,1-Trichloroethane	**16**	ug/L	0.026	0.20	2			11/22/2022 13:09	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			11/21/2022 17:48	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			11/21/2022 17:48	RLD	EPA 8260C
1,1-Dichloroethane	**6.8**	ug/L	0.017	0.10	1			11/21/2022 17:48	RLD	EPA 8260C
1,1-Dichloroethene	**1.2**	ug/L	0.024	0.10	1			11/21/2022 17:48	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			11/21/2022 17:48	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			11/21/2022 17:48	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			11/21/2022 17:48	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			11/21/2022 17:48	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			11/21/2022 17:48	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			11/21/2022 17:48	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			11/21/2022 17:48	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			11/21/2022 17:48	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/21/2022 17:48	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			11/21/2022 17:48	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			11/21/2022 17:48	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			11/21/2022 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#: 1264321 Sample Description: MW-103S License/Well #: 04189/039 Sampled: 11/15/2022 13:30

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			11/21/2022 17:48	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			11/21/2022 17:48	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			11/21/2022 17:48	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			11/21/2022 17:48	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			11/21/2022 17:48	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			11/21/2022 17:48	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			11/21/2022 17:48	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			11/21/2022 17:48	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			11/21/2022 17:48	RLD	EPA 8260C
Benzene	**0.12**	ug/L	0.022	0.10	1			11/21/2022 17:48	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			11/21/2022 17:48	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			11/21/2022 17:48	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			11/21/2022 17:48	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			11/21/2022 17:48	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			11/21/2022 17:48	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			11/21/2022 17:48	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			11/21/2022 17:48	RLD	EPA 8260C
Chlorobenzene	**0.33**	ug/L	0.013	0.10	1			11/21/2022 17:48	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			11/21/2022 17:48	RLD	EPA 8260C
Chloroform	**0.023**	ug/L	0.016 *	0.10	1			11/21/2022 17:48	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			11/21/2022 17:48	RLD	EPA 8260C
cis-1,2-Dichloroethene	**10**	ug/L	0.023	0.10	1			11/21/2022 17:48	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			11/21/2022 17:48	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			11/21/2022 17:48	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			11/21/2022 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#: 1264321 Sample Description: MW-103S License/Well #: 04189/039 Sampled: 11/15/2022 13:30

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			11/21/2022 17:48	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			11/21/2022 17:48	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			11/21/2022 17:48	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			11/21/2022 17:48	RLD	EPA 8260C
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1			11/21/2022 17:48	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1			11/21/2022 17:48	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			11/21/2022 17:48	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			11/21/2022 17:48	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/21/2022 17:48	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1			11/21/2022 17:48	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			11/21/2022 17:48	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			11/21/2022 17:48	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			11/21/2022 17:48	RLD	EPA 8260C
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/21/2022 17:48	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			11/21/2022 17:48	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1			11/21/2022 17:48	RLD	EPA 8260C
Tetrachloroethene	**9.2**	ug/L	0.028	0.20	1			11/21/2022 17:48	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			11/21/2022 17:48	RLD	EPA 8260C
Toluene	<0.020	ug/L	0.020	0.10	1			11/21/2022 17:48	RLD	EPA 8260C
trans-1,2-Dichloroethene	**0.16**	ug/L	0.020	0.10	1			11/21/2022 17:48	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			11/21/2022 17:48	RLD	EPA 8260C
Trichloroethene	**20**	ug/L	0.044	0.20	2			11/22/2022 13:09	RLD	EPA 8260C
Trichlorofluoromethane	**0.047**	ug/L	0.033 *	0.20	1			11/21/2022 17:48	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			11/21/2022 17:48	RLD	EPA 8260C
Vinyl chloride	**1.5**	ug/L	0.019	0.10	1			11/21/2022 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#: 1264321 Sample Description: MW-103S License/Well #: 04189/039 Sampled: 11/15/2022 13:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,4-Dioxane	**16**	ug/L	7.0 *	23	1			11/21/2022 17:48	RLD	EPA 8260C

CT LAB Sample#: 1264322 Sample Description: MW-103S License/Well #: 04189/039 Sampled: 11/15/2022 13:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Iron	**0.0293**	mg/L	0.027 *	0.09	1			11/16/2022 18:30	NAH	EPA 6010C
Dissolved Manganese	**318**	ug/L	1.2	5.0	1			11/16/2022 18:30	NAH	EPA 6010C

CT LAB Sample#: 1264323 Sample Description: MW-9S License/Well #: 04189/014 Sampled: 11/15/2022 14:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Dissolved Oxygen (Field)	**0.2**	mg/L			1			11/15/2022 14:00	SUB	FIELD
Depth to Groundwater (Field)	**4.41**	Feet			1			11/15/2022 14:00	SUB	FIELD
OX/REDOX (Field)	**111.5**	MV			1			11/15/2022 14:00	SUB	FIELD
Color (Field)	**CLEAR**		N/A	N/A	1			11/15/2022 14:00	SUB	FIELD
Conductivity (Field)	**1498.90**	umhos/cm			1			11/15/2022 14:00	SUB	FIELD
Odor (Field)	**NONE**		N/A	N/A	1			11/15/2022 14:00	SUB	FIELD
pH (Field)	**7.31**	S.U.			1			11/15/2022 14:00	SUB	FIELD
Temperature (Field)	**11.58**	Deg. C			1			11/15/2022 14:00	SUB	FIELD
Turbidity (Field)	**17.82**	NTU			1			11/15/2022 14:00	SUB	FIELD
Inorganic Results										
Alkalinity Total	**300**	mg/L	21	70	1			11/22/2022 11:18	BRB	EPA 310.2

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

CT LAB Sample#: 1264323 Sample Description: MW-9S License/Well #: 04189/014 Sampled: 11/15/2022 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			11/17/2022 11:00	ATJ	SM 4500-S2F
Nitrate Nitrogen Total	<0.12	mg/L	0.12	0.40	1			11/16/2022 20:55	TMG	EPA 9056A
Total Chloride	**420**	mg/L	20	64	20			11/16/2022 22:07	TMG	EPA 9056A
Total Sulfate	**60**	mg/L	0.80	2.5	1			11/16/2022 20:55	TMG	EPA 9056A
Total Organic Carbon	**2.3**	mg/L	0.4	1.3	1			11/17/2022 17:01	TMG	EPA 9060A
Metals Results										
Total Iron	**1.21**	mg/L	0.033	0.11	1		11/16/2022 14:25	11/18/2022 07:06	NAH	EPA 6010C
Total Manganese	**98.8**	ug/L	1.5	5.0	1		11/16/2022 14:25	11/18/2022 07:06	NAH	EPA 6010C
Organic Results										
Ethane	<0.38	ug/L	0.38	1.3	1		11/16/2022 14:30	11/17/2022 09:30	DGS	RSK 175
Ethene	<0.59	ug/L	0.59	2.0	1		11/16/2022 14:30	11/17/2022 09:30	DGS	RSK 175
Methane	<0.45	ug/L	0.45	1.5	1		11/16/2022 14:30	11/17/2022 09:30	DGS	RSK 175
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			11/22/2022 10:20	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			11/22/2022 10:20	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			11/22/2022 10:20	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			11/22/2022 10:20	RLD	EPA 8260C
1,1-Dichloroethane	**0.093**	ug/L	0.017 *	0.10	1			11/22/2022 10:20	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			11/22/2022 10:20	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			11/22/2022 10:20	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			11/22/2022 10:20	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			11/22/2022 10:20	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			11/22/2022 10:20	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			11/22/2022 10:20	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			11/22/2022 10:20	RLD	EPA 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#: 1264323 Sample Description: MW-9S License/Well #: 04189/014 Sampled: 11/15/2022 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			11/22/2022 10:20	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			11/22/2022 10:20	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/22/2022 10:20	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			11/22/2022 10:20	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			11/22/2022 10:20	RLD	EPA 8260C
1,3-Dichlorobenzene	**0.042**	ug/L	0.013 *	0.10	1			11/22/2022 10:20	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			11/22/2022 10:20	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			11/22/2022 10:20	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			11/22/2022 10:20	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			11/22/2022 10:20	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			11/22/2022 10:20	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			11/22/2022 10:20	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			11/22/2022 10:20	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			11/22/2022 10:20	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			11/22/2022 10:20	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			11/22/2022 10:20	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			11/22/2022 10:20	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			11/22/2022 10:20	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			11/22/2022 10:20	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			11/22/2022 10:20	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			11/22/2022 10:20	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			11/22/2022 10:20	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			11/22/2022 10:20	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			11/22/2022 10:20	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			11/22/2022 10:20	RLD	EPA 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#: 1264323 Sample Description: MW-9S License/Well #: 04189/014 Sampled: 11/15/2022 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			11/22/2022 10:20	RLD	EPA 8260C
Chloromethane	**0.14**	ug/L	0.045 *	0.20	1			11/22/2022 10:20	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1			11/22/2022 10:20	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			11/22/2022 10:20	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			11/22/2022 10:20	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			11/22/2022 10:20	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			11/22/2022 10:20	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			11/22/2022 10:20	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			11/22/2022 10:20	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			11/22/2022 10:20	RLD	EPA 8260C
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1			11/22/2022 10:20	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1			11/22/2022 10:20	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			11/22/2022 10:20	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			11/22/2022 10:20	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/22/2022 10:20	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1			11/22/2022 10:20	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			11/22/2022 10:20	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			11/22/2022 10:20	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			11/22/2022 10:20	RLD	EPA 8260C
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/22/2022 10:20	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			11/22/2022 10:20	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1			11/22/2022 10:20	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			11/22/2022 10:20	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			11/22/2022 10:20	RLD	EPA 8260C
Toluene	<0.020	ug/L	0.020	0.10	1			11/22/2022 10:20	RLD	EPA 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#: 1264323 Sample Description: MW-9S License/Well #: 04189/014 Sampled: 11/15/2022 14:00

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			11/22/2022 10:20	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			11/22/2022 10:20	RLD	EPA 8260C
Trichloroethene	**0.20**	ug/L	0.022	0.10	1			11/22/2022 10:20	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			11/22/2022 10:20	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			11/22/2022 10:20	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			11/22/2022 10:20	RLD	EPA 8260C
1,4-Dioxane	<7.0	ug/L	7.0	23	1			11/22/2022 10:20	RLD	EPA 8260C

CT LAB Sample#: 1264324 Sample Description: MW-9S License/Well #: 04189/014 Sampled: 11/15/2022 14:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Iron	**0.208**	mg/L	0.027	0.09	1			11/16/2022 18:38	NAH	EPA 6010C
Dissolved Manganese	**90.4**	ug/L	1.2	5.0	1			11/16/2022 18:38	NAH	EPA 6010C

CT LAB Sample#: 1264325 Sample Description: MW-5D License/Well #: 04189/010 Sampled: 11/15/2022 14:45

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Dissolved Oxygen (Field)	**0.26**	mg/L			1			11/15/2022 14:45	SUB	FIELD
Depth to Groundwater (Field)	**3.17**	Feet			1			11/15/2022 14:45	SUB	FIELD
OX/REDOX (Field)	**107.8**	MV			1			11/15/2022 14:45	SUB	FIELD
Color (Field)	**CLEAR**		N/A	N/A	1			11/15/2022 14:45	SUB	FIELD
Conductivity (Field)	**888.56**	umhos/cm			1			11/15/2022 14:45	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#: 1264325 Sample Description: MW-5D License/Well #: 04189/010 Sampled: 11/15/2022 14:45

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Odor (Field)	**NONE**		N/A	N/A	1			11/15/2022 14:45	SUB	FIELD
pH (Field)	**7.52**	S.U.			1			11/15/2022 14:45	SUB	FIELD
Temperature (Field)	**10.51**	Deg. C			1			11/15/2022 14:45	SUB	FIELD
Turbidity (Field)	**10.32**	NTU			1			11/15/2022 14:45	SUB	FIELD
Inorganic Results										
Alkalinity Total	**340**	mg/L	21	70	1			11/22/2022 11:19	BRB	EPA 310.2
Total Sulfide	<1.0	mg/L	1.0		1			11/17/2022 11:00	ATJ	SM 4500-S2F
Nitrate Nitrogen Total	<0.12	mg/L	0.12	0.40	1			11/16/2022 22:25	TMG	EPA 9056A
Total Chloride	**180**	mg/L	5.0	16	5			11/16/2022 22:43	TMG	EPA 9056A
Total Sulfate	**39**	mg/L	0.80	2.5	1			11/16/2022 22:25	TMG	EPA 9056A
Total Organic Carbon	**1.7**	mg/L	0.4	1.3	1			11/17/2022 17:12	TMG	EPA 9060A
Metals Results										
Total Iron	**1.85**	mg/L	0.033	0.11	1		11/16/2022 14:25	11/18/2022 07:14	NAH	EPA 6010C
Total Manganese	**88.0**	ug/L	1.5	5.0	1		11/16/2022 14:25	11/18/2022 07:14	NAH	EPA 6010C
Organic Results										
Ethane	<0.38	ug/L	0.38	1.3	1		11/16/2022 14:30	11/17/2022 09:43	DGS	RSK 175
Ethene	<0.59	ug/L	0.59	2.0	1		11/16/2022 14:30	11/17/2022 09:43	DGS	RSK 175
Methane	**5.7**	ug/L	0.45	1.5	1		11/16/2022 14:30	11/17/2022 09:43	DGS	RSK 175
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			11/21/2022 14:00	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			11/21/2022 14:00	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			11/21/2022 14:00	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			11/21/2022 14:00	RLD	EPA 8260C
1,1-Dichloroethane	**0.76**	ug/L	0.017	0.10	1			11/21/2022 14:00	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			11/21/2022 14:00	RLD	EPA 8260C

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

CT LAB Sample#: 1264325 Sample Description: MW-5D License/Well #: 04189/010 Sampled: 11/15/2022 14:45

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			11/21/2022 14:00	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			11/21/2022 14:00	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			11/21/2022 14:00	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			11/21/2022 14:00	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			11/21/2022 14:00	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			11/21/2022 14:00	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			11/21/2022 14:00	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			11/21/2022 14:00	RLD	EPA 8260C
1,2-Dichloroethane	**0.48**	ug/L	0.017	0.10	1			11/21/2022 14:00	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			11/21/2022 14:00	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			11/21/2022 14:00	RLD	EPA 8260C
1,3-Dichlorobenzene	**0.043**	ug/L	0.013 *	0.10	1			11/21/2022 14:00	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			11/21/2022 14:00	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			11/21/2022 14:00	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			11/21/2022 14:00	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			11/21/2022 14:00	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			11/21/2022 14:00	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			11/21/2022 14:00	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			11/21/2022 14:00	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			11/21/2022 14:00	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			11/21/2022 14:00	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			11/21/2022 14:00	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			11/21/2022 14:00	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			11/21/2022 14:00	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			11/21/2022 14:00	RLD	EPA 8260C

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

CT LAB Sample#: 1264325 Sample Description: MW-5D License/Well #: 04189/010 Sampled: 11/15/2022 14:45

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			11/21/2022 14:00	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			11/21/2022 14:00	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			11/21/2022 14:00	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			11/21/2022 14:00	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			11/21/2022 14:00	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			11/21/2022 14:00	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			11/21/2022 14:00	RLD	EPA 8260C
Chloromethane	**0.052**	ug/L	0.045 *	0.20	1			11/21/2022 14:00	RLD	EPA 8260C
cis-1,2-Dichloroethene	**2.4**	ug/L	0.023	0.10	1			11/21/2022 14:00	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			11/21/2022 14:00	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			11/21/2022 14:00	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			11/21/2022 14:00	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			11/21/2022 14:00	RLD	EPA 8260C
Diisopropyl ether	**0.20**	ug/L	0.02	0.1	1			11/21/2022 14:00	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			11/21/2022 14:00	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			11/21/2022 14:00	RLD	EPA 8260C
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1			11/21/2022 14:00	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1			11/21/2022 14:00	RLD	EPA 8260C
Methyl tert-butyl ether	**0.093**	ug/L	0.014 *	0.10	1			11/21/2022 14:00	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			11/21/2022 14:00	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/21/2022 14:00	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1			11/21/2022 14:00	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			11/21/2022 14:00	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			11/21/2022 14:00	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			11/21/2022 14:00	RLD	EPA 8260C

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

CT LAB Sample#: 1264325 Sample Description: MW-5D License/Well #: 04189/010 Sampled: 11/15/2022 14:45

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/21/2022 14:00	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			11/21/2022 14:00	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1			11/21/2022 14:00	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			11/21/2022 14:00	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			11/21/2022 14:00	RLD	EPA 8260C
Toluene	<0.020	ug/L	0.020	0.10	1			11/21/2022 14:00	RLD	EPA 8260C
trans-1,2-Dichloroethene	**0.084**	ug/L	0.020 *	0.10	1			11/21/2022 14:00	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			11/21/2022 14:00	RLD	EPA 8260C
Trichloroethene	**0.055**	ug/L	0.022 *	0.10	1			11/21/2022 14:00	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			11/21/2022 14:00	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			11/21/2022 14:00	RLD	EPA 8260C
Vinyl chloride	**0.31**	ug/L	0.019	0.10	1			11/21/2022 14:00	RLD	EPA 8260C
1,4-Dioxane	<7.0	ug/L	7.0	23	1			11/21/2022 14:00	RLD	EPA 8260C

CT LAB Sample#: 1264326 Sample Description: MW-5D License/Well #: 04189/010 Sampled: 11/15/2022 14:45

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Iron	**1.54**	mg/L	0.027	0.09	1			11/16/2022 19:06	NAH	EPA 6010C
Dissolved Manganese	**77.9**	ug/L	1.2	5.0	1			11/16/2022 19:06	NAH	EPA 6010C

CT LAB Sample#: 1264327 Sample Description: MW-4S License/Well #: 04189/007 Sampled: 11/15/2022 15:30

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

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

CT LAB Sample#: 1264327 Sample Description: MW-4S License/Well #: 04189/007 Sampled: 11/15/2022 15:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Dissolved Oxygen (Field)	**0.58**	mg/L			1			11/15/2022 15:30	SUB	FIELD
Depth to Groundwater (Field)	**6.55**	Feet			1			11/15/2022 15:30	SUB	FIELD
OX/REDOX (Field)	**110.3**	MV			1			11/15/2022 15:30	SUB	FIELD
Color (Field)	**CLEAR**		N/A	N/A	1			11/15/2022 15:30	SUB	FIELD
Conductivity (Field)	**1912.00**	umhos/cm			1			11/15/2022 15:30	SUB	FIELD
Odor (Field)	**NONE**		N/A	N/A	1			11/15/2022 15:30	SUB	FIELD
pH (Field)	**6.97**	S.U.			1			11/15/2022 15:30	SUB	FIELD
Temperature (Field)	**11.68**	Deg. C			1			11/15/2022 15:30	SUB	FIELD
Turbidity (Field)	**8.48**	NTU			1			11/15/2022 15:30	SUB	FIELD
Inorganic Results										
Alkalinity Total	**680**	mg/L	21	70	1			11/22/2022 11:20	BRB	EPA 310.2
Total Sulfide	<1.0	mg/L	1.0		1			11/17/2022 11:00	ATJ	SM 4500-S2F
Nitrate Nitrogen Total	**0.12**	mg/L	0.12 *	0.40	1			11/16/2022 23:01	TMG	EPA 9056A
Total Chloride	**390**	mg/L	50	160	50			11/16/2022 23:38	TMG	EPA 9056A
Total Sulfate	**140**	mg/L	4.0	13	5			11/16/2022 23:20	TMG	EPA 9056A
Total Organic Carbon	**7.6**	mg/L	0.4	1.3	1			11/17/2022 17:24	TMG	EPA 9060A
Metals Results										
Total Iron	**0.352**	mg/L	0.033	0.11	1		11/16/2022 14:25	11/18/2022 07:21	NAH	EPA 6010C
Total Manganese	**257**	ug/L	1.5	5.0	1		11/16/2022 14:25	11/18/2022 07:21	NAH	EPA 6010C
Organic Results										
Ethane	<0.38	ug/L	0.38	1.3	1		11/16/2022 14:30	11/17/2022 09:50	DGS	RSK 175
Ethene	<0.59	ug/L	0.59	2.0	1		11/16/2022 14:30	11/17/2022 09:50	DGS	RSK 175
Methane	<0.45	ug/L	0.45	1.5	1		11/16/2022 14:30	11/17/2022 09:50	DGS	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#: 1264327 Sample Description: MW-4S License/Well #: 04189/007 Sampled: 11/15/2022 15:30

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			11/21/2022 14:29	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013		0.10	1			11/21/2022 14:29	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015		0.10	1			11/21/2022 14:29	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036		0.20	1			11/21/2022 14:29	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017		0.10	1			11/21/2022 14:29	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024		0.10	1			11/21/2022 14:29	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074		0.20	1			11/21/2022 14:29	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019		0.10	1			11/21/2022 14:29	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031		0.20	1			11/21/2022 14:29	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022		0.10	1			11/21/2022 14:29	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011		0.10	1			11/21/2022 14:29	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12		0.40	1			11/21/2022 14:29	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029		0.20	1			11/21/2022 14:29	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016		0.10	1			11/21/2022 14:29	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017		0.10	1			11/21/2022 14:29	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013		0.10	1			11/21/2022 14:29	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013		0.10	1			11/21/2022 14:29	RLD	EPA 8260C
1,3-Dichlorobenzene	**0.033**	ug/L	0.013	*	0.10	1			11/21/2022 14:29	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020		0.10	1			11/21/2022 14:29	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017		0.10	1			11/21/2022 14:29	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075		0.30	1			11/21/2022 14:29	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31		2.0	1			11/21/2022 14:29	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020		0.10	1			11/21/2022 14:29	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15		1.0	1			11/21/2022 14:29	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013		0.10	1			11/21/2022 14:29	RLD	EPA 8260C

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

CT LAB Sample#: 1264327 Sample Description: MW-4S License/Well #: 04189/007 Sampled: 11/15/2022 15:30

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			11/21/2022 14:29	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			11/21/2022 14:29	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			11/21/2022 14:29	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			11/21/2022 14:29	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			11/21/2022 14:29	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			11/21/2022 14:29	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			11/21/2022 14:29	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			11/21/2022 14:29	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			11/21/2022 14:29	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			11/21/2022 14:29	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			11/21/2022 14:29	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			11/21/2022 14:29	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			11/21/2022 14:29	RLD	EPA 8260C
Chloromethane	**0.054**	ug/L	0.045 *	0.20	1			11/21/2022 14:29	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1			11/21/2022 14:29	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			11/21/2022 14:29	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			11/21/2022 14:29	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			11/21/2022 14:29	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			11/21/2022 14:29	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			11/21/2022 14:29	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			11/21/2022 14:29	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			11/21/2022 14:29	RLD	EPA 8260C
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1			11/21/2022 14:29	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1			11/21/2022 14:29	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			11/21/2022 14:29	RLD	EPA 8260C

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

CT LAB Sample#: 1264327 Sample Description: MW-4S License/Well #: 04189/007 Sampled: 11/15/2022 15:30

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			11/21/2022 14:29	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/21/2022 14:29	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1			11/21/2022 14:29	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			11/21/2022 14:29	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			11/21/2022 14:29	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			11/21/2022 14:29	RLD	EPA 8260C
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/21/2022 14:29	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			11/21/2022 14:29	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1			11/21/2022 14:29	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			11/21/2022 14:29	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			11/21/2022 14:29	RLD	EPA 8260C
Toluene	<0.020	ug/L	0.020	0.10	1			11/21/2022 14:29	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			11/21/2022 14:29	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			11/21/2022 14:29	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			11/21/2022 14:29	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			11/21/2022 14:29	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			11/21/2022 14:29	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			11/21/2022 14:29	RLD	EPA 8260C
1,4-Dioxane	<7.0	ug/L	7.0	23	1			11/21/2022 14:29	RLD	EPA 8260C

CT LAB Sample#: 1264328 Sample Description: MW-4S License/Well #: 04189/007 Sampled: 11/15/2022 15:30

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

Metals Results

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

CT LAB Sample#: 1264328 Sample Description: MW-4S License/Well #: 04189/007 Sampled: 11/15/2022 15:30

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			11/16/2022 19:13	NAH	EPA 6010C
Dissolved Manganese	**114**	ug/L	1.2	5.0	1			11/16/2022 19:13	NAH	EPA 6010C

CT LAB Sample#: 1264329 Sample Description: MW-1D License/Well #: 04189/002 Sampled: 11/15/2022 16:15

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Dissolved Oxygen (Field)	**0.19**	mg/L			1			11/15/2022 16:15	SUB	FIELD
Depth to Groundwater (Field)	**6.64**	Feet			1			11/15/2022 16:15	SUB	FIELD
OX/REDOX (Field)	-77.8	MV			1			11/15/2022 16:15	SUB	FIELD
Color (Field)	**CLEAR**		N/A	N/A	1			11/15/2022 16:15	SUB	FIELD
Conductivity (Field)	**468.09**	umhos/cm			1			11/15/2022 16:15	SUB	FIELD
Odor (Field)	**NONE**		N/A	N/A	1			11/15/2022 16:15	SUB	FIELD
pH (Field)	**7.66**	S.U.			1			11/15/2022 16:15	SUB	FIELD
Temperature (Field)	**11.74**	Deg. C			1			11/15/2022 16:15	SUB	FIELD
Turbidity (Field)	**8.50**	NTU			1			11/15/2022 16:15	SUB	FIELD
Inorganic Results										
Alkalinity Total	**320**	mg/L	21	70	1			11/22/2022 11:21	BRB	EPA 310.2
Total Sulfide	<1.0	mg/L	1.0		1			11/17/2022 11:00	ATJ	SM 4500-S2F
Nitrate Nitrogen Total	<0.12	mg/L	0.12	0.40	1			11/16/2022 23:56	TMG	EPA 9056A
Total Chloride	**4.8**	mg/L	1.0	3.2	1			11/16/2022 23:56	TMG	EPA 9056A
Total Sulfate	**0.86**	mg/L	0.80 *	2.5	1			11/16/2022 23:56	TMG	EPA 9056A
Total Organic Carbon	**0.58**	mg/L	0.4 *	1.3	1			11/17/2022 18:05	TMG	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#: 1264329 Sample Description: MW-1D License/Well #: 04189/002 Sampled: 11/15/2022 16:15

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Total Iron	**2.79**	mg/L	0.033	0.11	1		11/16/2022 14:25	11/18/2022 07:29	NAH	EPA 6010C
Total Manganese	**19.9**	ug/L	1.5	5.0	1		11/16/2022 14:25	11/18/2022 07:29	NAH	EPA 6010C
Organic Results										
Ethane	<0.38	ug/L	0.38	1.3	1		11/16/2022 14:30	11/17/2022 09:55	DGS	RSK 175
Ethene	<0.59	ug/L	0.59	2.0	1		11/16/2022 14:30	11/17/2022 09:55	DGS	RSK 175
Methane	**1000**	ug/L	45	150	100		11/16/2022 14:30	11/17/2022 10:06	DGS	RSK 175
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			11/21/2022 14:57	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			11/21/2022 14:57	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			11/21/2022 14:57	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			11/21/2022 14:57	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/21/2022 14:57	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			11/21/2022 14:57	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			11/21/2022 14:57	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			11/21/2022 14:57	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			11/21/2022 14:57	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			11/21/2022 14:57	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			11/21/2022 14:57	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			11/21/2022 14:57	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			11/21/2022 14:57	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			11/21/2022 14:57	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/21/2022 14:57	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			11/21/2022 14:57	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			11/21/2022 14:57	RLD	EPA 8260C
1,3-Dichlorobenzene	**0.045**	ug/L	0.013	0.10	1	*		11/21/2022 14:57	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#: 1264329 Sample Description: MW-1D License/Well #: 04189/002 Sampled: 11/15/2022 16:15

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			11/21/2022 14:57	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			11/21/2022 14:57	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			11/21/2022 14:57	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			11/21/2022 14:57	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			11/21/2022 14:57	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			11/21/2022 14:57	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			11/21/2022 14:57	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			11/21/2022 14:57	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			11/21/2022 14:57	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			11/21/2022 14:57	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			11/21/2022 14:57	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			11/21/2022 14:57	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			11/21/2022 14:57	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			11/21/2022 14:57	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			11/21/2022 14:57	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			11/21/2022 14:57	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			11/21/2022 14:57	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			11/21/2022 14:57	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			11/21/2022 14:57	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			11/21/2022 14:57	RLD	EPA 8260C
Chloromethane	**0.055**	ug/L	0.045 *	0.20	1			11/21/2022 14:57	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1			11/21/2022 14:57	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			11/21/2022 14:57	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			11/21/2022 14:57	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			11/21/2022 14:57	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#: 1264329 Sample Description: MW-1D License/Well #: 04189/002 Sampled: 11/15/2022 16:15

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			11/21/2022 14:57	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02		0.1	1			11/21/2022 14:57	RLD	EPA 8260C
Ethylbenzene	**0.027**	ug/L	0.014	*	0.10	1			11/21/2022 14:57	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027		0.20	1			11/21/2022 14:57	RLD	EPA 8260C
Isopropylbenzene	**0.028**	ug/L	0.020	*	0.10	1			11/21/2022 14:57	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030		0.20	1			11/21/2022 14:57	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014		0.10	1			11/21/2022 14:57	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090		0.40	1			11/21/2022 14:57	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021		0.10	1			11/21/2022 14:57	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020		0.10	1			11/21/2022 14:57	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025		0.10	1			11/21/2022 14:57	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016		0.10	1			11/21/2022 14:57	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016		0.10	1			11/21/2022 14:57	RLD	EPA 8260C
sec-Butylbenzene	<0.021	ug/L	0.021		0.10	1			11/21/2022 14:57	RLD	EPA 8260C
Styrene	**0.050**	ug/L	0.014	*	0.10	1			11/21/2022 14:57	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020		0.10	1			11/21/2022 14:57	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028		0.20	1			11/21/2022 14:57	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38		2.0	1			11/21/2022 14:57	RLD	EPA 8260C
Toluene	**0.027**	ug/L	0.020	*	0.10	1			11/21/2022 14:57	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020		0.10	1			11/21/2022 14:57	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020		0.10	1			11/21/2022 14:57	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022		0.10	1			11/21/2022 14:57	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033		0.20	1			11/21/2022 14:57	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14		1.0	1			11/21/2022 14:57	RLD	EPA 8260C
Vinyl chloride	**0.13**	ug/L	0.019		0.10	1			11/21/2022 14:57	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#: 1264329 Sample Description: MW-1D License/Well #: 04189/002 Sampled: 11/15/2022 16:15

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			11/21/2022 14:57	RLD	EPA 8260C

CT LAB Sample#: 1264330 Sample Description: MW-1D License/Well #: 04189/002 Sampled: 11/15/2022 16:15

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Iron	**2.71**	mg/L	0.027	0.09	1			11/16/2022 19:21	NAH	EPA 6010C
Dissolved Manganese	**19.8**	ug/L	1.2	5.0	1			11/16/2022 19:21	NAH	EPA 6010C

CT LAB Sample#: 1264331 Sample Description: TB-111522 License/Well #: 04189/999 Sampled: 11/15/2022

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			11/21/2022 10:14	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			11/21/2022 10:14	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			11/21/2022 10:14	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			11/21/2022 10:14	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/21/2022 10:14	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			11/21/2022 10:14	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			11/21/2022 10:14	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			11/21/2022 10:14	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			11/21/2022 10:14	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			11/21/2022 10:14	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			11/21/2022 10:14	RLD	EPA 8260C

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

CT LAB Sample#: 1264331 Sample Description: TB-111522 License/Well #: 04189/999 Sampled: 11/15/2022

Analyte	Result	Units	LOD		LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12		0.40	1			11/21/2022 10:14	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029		0.20	1			11/21/2022 10:14	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016		0.10	1			11/21/2022 10:14	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017		0.10	1			11/21/2022 10:14	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013		0.10	1			11/21/2022 10:14	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013		0.10	1			11/21/2022 10:14	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013		0.10	1			11/21/2022 10:14	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020		0.10	1			11/21/2022 10:14	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017		0.10	1			11/21/2022 10:14	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075		0.30	1			11/21/2022 10:14	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31		2.0	1			11/21/2022 10:14	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020		0.10	1			11/21/2022 10:14	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15		1.0	1			11/21/2022 10:14	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013		0.10	1			11/21/2022 10:14	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19		1.0	1			11/21/2022 10:14	RLD	EPA 8260C
Acetone	**1.3**	ug/L	0.84	*	4.0	1	B		11/21/2022 10:14	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022		0.10	1			11/21/2022 10:14	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018		0.10	1			11/21/2022 10:14	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034		0.20	1			11/21/2022 10:14	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019		0.10	1			11/21/2022 10:14	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041		0.20	1			11/21/2022 10:14	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052		0.20	1			11/21/2022 10:14	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11		0.40	1			11/21/2022 10:14	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018		0.10	1			11/21/2022 10:14	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013		0.10	1			11/21/2022 10:14	RLD	EPA 8260C

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

CT LAB Sample#: 1264331 Sample Description: TB-111522 License/Well #: 04189/999 Sampled: 11/15/2022

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Chloroethane	<0.40	ug/L	0.40	1.5	1			11/21/2022 10:14	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			11/21/2022 10:14	RLD	EPA 8260C
Chloromethane	**0.048**	ug/L	0.045 *	0.20	1			11/21/2022 10:14	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1			11/21/2022 10:14	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			11/21/2022 10:14	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			11/21/2022 10:14	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			11/21/2022 10:14	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			11/21/2022 10:14	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			11/21/2022 10:14	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			11/21/2022 10:14	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			11/21/2022 10:14	RLD	EPA 8260C
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1			11/21/2022 10:14	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1			11/21/2022 10:14	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			11/21/2022 10:14	RLD	EPA 8260C
Methylene chloride	**0.29**	ug/L	0.090 *	0.40	1			11/21/2022 10:14	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/21/2022 10:14	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1			11/21/2022 10:14	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			11/21/2022 10:14	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			11/21/2022 10:14	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			11/21/2022 10:14	RLD	EPA 8260C
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/21/2022 10:14	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			11/21/2022 10:14	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1			11/21/2022 10:14	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			11/21/2022 10:14	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			11/21/2022 10:14	RLD	EPA 8260C

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

CT LAB Sample#: 1264331 Sample Description: TB-111522 License/Well #: 04189/999 Sampled: 11/15/2022

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Toluene	<0.020	ug/L	0.020	0.10	1			11/21/2022 10:14	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			11/21/2022 10:14	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			11/21/2022 10:14	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			11/21/2022 10:14	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			11/21/2022 10:14	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			11/21/2022 10:14	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			11/21/2022 10:14	RLD	EPA 8260C
1,4-Dioxane	<7.0	ug/L	7.0	23	1			11/21/2022 10:14	RLD	EPA 8260C

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

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

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

Current CT Laboratories Certifications

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

Well Description:	***MW-103D***	**Well #:**	***040***	**Sample Date**	**11/15/2022**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Total Chloride	00940	210	125	250	10	mg/L
Dissolved Manganese	01056	262	60	300	1.2	ug/L
Total Manganese	01055	260	60	300	1.5	ug/L
1,1-Dichloroethene	34501	1.4	0.7	7	0.024	ug/L
cis-1,2-Dichloroethene	77093	92	7.00	70.00	0.46	ug/L
Trichloroethene	39180	170	0.5	5	0.44	ug/L
Vinyl chloride	39175	0.18	0.02	0.20	0.019	ug/L

Well Description:	***MW-103S***	**Well #:**	***039***	**Sample Date**	**11/15/2022**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Dissolved Manganese	01056	318	60	300	1.2	ug/L
Total Manganese	01055	439	60	300	1.5	ug/L
1,1-Dichloroethene	34501	1.2	0.7	7	0.024	ug/L
1,4-Dioxane	82388	16	0.3	3	7.0	ug/L
cis-1,2-Dichloroethene	77093	10	7.00	70.00	0.023	ug/L
Tetrachloroethene	34475	9.2	0.5	5	0.028	ug/L
Trichloroethene	39180	20	0.5	5	0.044	ug/L
Vinyl chloride	39175	1.5	0.02	0.20	0.019	ug/L

Well Description:	***MW-12B***	**Well #:**	***022***	**Sample Date**	**11/15/2022**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Total Chloride	00940	130	125	250	10	mg/L

Well Description:	***MW-12D***	**Well #:**	***021***	**Sample Date**	**11/15/2022**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Total Chloride	00940	190	125	250	20	mg/L
Dissolved Iron	01046	0.817	0.15	0.30	0.027	mg/L
Total Iron	74010	1.55	0.15	0.3	0.033	mg/L
Vinyl chloride	39175	0.13	0.02	0.20	0.019	ug/L

Well Description:	***MW-12S***	**Well #:**	***020***	**Sample Date**	**11/15/2022**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Total Chloride	00940	230	125	250	10	mg/L
Dissolved Manganese	01056	124	60	300	1.2	ug/L
Total Iron	74010	0.28	0.15	0.3	0.033	mg/L
Total Manganese	01055	130	60	300	1.5	ug/L
cis-1,2-Dichloroethene	77093	29	7.00	70.00	0.12	ug/L
Trichloroethene	39180	18	0.5	5	0.11	ug/L
Vinyl chloride	39175	1.0	0.02	0.20	0.019	ug/L

Well Description:	***MW-1D***	**Well #:**	***002***	**Sample Date**	**11/15/2022**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units

Well Description:	***MW-1D***	**Well #:**	***002***	**Sample Date**	**11/15/2022**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Dissolved Iron	01046	2.71	0.15	0.30	0.027	mg/L
Total Iron	74010	2.79	0.15	0.3	0.033	mg/L
Vinyl chloride	39175	0.13	0.02	0.20	0.019	ug/L

Well Description:	***MW-2D***	**Well #:**	***004***	**Sample Date**	**11/15/2022**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Total Chloride	00940	180	125	250	10	mg/L
Dissolved Iron	01046	0.822	0.15	0.30	0.027	mg/L
Total Iron	74010	1.09	0.15	0.3	0.033	mg/L
Vinyl chloride	39175	0.038	0.02	0.20	0.019	ug/L

Well Description:	***MW-3D***	**Well #:**	***006***	**Sample Date**	**11/15/2022**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Total Chloride	00940	190	125	250	10	mg/L
Dissolved Iron	01046	0.386	0.15	0.30	0.027	mg/L
Total Iron	74010	0.654	0.15	0.3	0.033	mg/L
Total Manganese	01055	60.2	60	300	1.5	ug/L
Vinyl chloride	39175	0.10	0.02	0.20	0.019	ug/L

Well Description:	***MW-4S***	**Well #:**	***007***	**Sample Date**	**11/15/2022**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Total Chloride	00940	390	125	250	50	mg/L
Total Sulfate	00945	140	125.00	250.00	4.0	mg/L
Dissolved Manganese	01056	114	60	300	1.2	ug/L
Total Iron	74010	0.352	0.15	0.3	0.033	mg/L
Total Manganese	01055	257	60	300	1.5	ug/L

Well Description:	***MW-5D***	**Well #:**	***010***	**Sample Date**	**11/15/2022**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Total Chloride	00940	180	125	250	5.0	mg/L
Dissolved Iron	01046	1.54	0.15	0.30	0.027	mg/L
Dissolved Manganese	01056	77.9	60	300	1.2	ug/L
Total Iron	74010	1.85	0.15	0.3	0.033	mg/L
Total Manganese	01055	88.0	60	300	1.5	ug/L
Vinyl chloride	39175	0.31	0.02	0.20	0.019	ug/L

Well Description:	***MW-9S***	**Well #:**	***014***	**Sample Date**	**11/15/2022**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Total Chloride	00940	420	125	250	20	mg/L
Dissolved Iron	01046	0.208	0.15	0.30	0.027	mg/L
Dissolved Manganese	01056	90.4	60	300	1.2	ug/L
Total Iron	74010	1.21	0.15	0.3	0.033	mg/L
Total Manganese	01055	98.8	60	300	1.5	ug/L

Preventative Action Limit (PAL) Exceedances

Location/Landfill: **OEC SUPERFUND WI** **License #:** **04189**

Well Description: ***TW-202I*** **Well #:** ***048*** **Sample Date** **11/15/2022**

Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Total Chloride	00940	300	125	250	20	mg/L
Dissolved Iron	01046	0.174	0.15	0.30	0.027	mg/L
Dissolved Manganese	01056	486	60	300	1.2	ug/L
Total Iron	74010	0.309	0.15	0.3	0.033	mg/L
Total Manganese	01055	506	60	300	1.5	ug/L
Trichloroethene	39180	4.9	0.5	5	0.022	ug/L

Selected Indicators - Summary

Location/Landfill: **OCONOMOWOC ELECTROPLATING** **License #:** **04189** 12/13/2022

Sample Date		**Sample ID**					
		MW-103D	MW-103S	MW-12B	MW-12D	MW-12S	MW-1D
11/15/2022	Color (Field)	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
	Conductivity (Field)	1055.1	699.53	809.87	1056.9	1010.1	468.09
	Depth to Groundwater	5.18	5.68	4.21	2.53	4.2	6.64
	Nitrate Nitrogen T/D	<0.12	0.35	<0.12	0.12	<0.12	<0.12
	Odor (Field)	NONE	NONE	NONE	NONE	NONE	NONE
	OX/REDOX (Field)	94.8	112.6	96.00	125.40	128.7	-77.8
	pH (Field)	7.59	7.31	9.22	7.57	7.41	7.66
	T/D Alkalinity	350	540	250	360	310	320
	T/D Chloride	210	32	130	190	230	4.8
	T/D Iron	0.0556	0.0293	<0.027	0.817	0.052	2.71
	T/D Manganese	260	318	<1.2	34.7	124	19.8
	T/D Organic Carbon	5.4	7.0	0.86	2.1	2.5	0.58
	T/D Oxygen (Field)	0.38	1.96	2.12	0.41	0.4	0.19
	T/D Sulfate	53	68	24	49	28	0.86
	T/D Sulfide	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	Temperature (Field)	10.93	11.10	8.26	9.17	8.65	11.74
	Turbidity (Field)	2.49	6.87	7.26	7.07	10.16	8.50

		MW-2D	MW-3D	MW-4S	MW-5D	MW-9S	OW-6
11/15/2022	Color (Field)	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
	Conductivity (Field)	937.3	950.53	1912.00	888.56	1498.90	815.6
	Depth to Groundwater	5.02	7.95	6.55	3.17	4.41	6.39
	Nitrate Nitrogen T/D	0.37	<0.12	0.12	<0.12	<0.12	0.75
	Odor (Field)	SEWAGE	NONE	NONE	NONE	NONE	NONE
	OX/REDOX (Field)	83.9	118.4	110.3	107.8	111.5	39.3
	pH (Field)	7.46	7.47	6.97	7.52	7.31	9.83
	T/D Alkalinity	340	330	680	340	300	270
	T/D Chloride	180	190	390	180	420	110
	T/D Iron	0.822	0.386	<0.027	1.54	0.208	<0.027
	T/D Manganese	23.2	55.4	114	77.9	90.4	<1.5
	T/D Organic Carbon	1.4	1.3	7.6	1.7	2.3	0.93
	T/D Oxygen (Field)	0.4	0.44	0.58	0.26	0.2	0.67
	T/D Sulfate	38	38	140	39	60	15
	T/D Sulfide	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	Temperature (Field)	11.58	10.65	11.68	10.51	11.58	10.95
	Turbidity (Field)	4.08	3.23	8.48	10.32	17.82	5.45

		TW-202I
11/15/2022	Color (Field)	CLEAR
	Conductivity (Field)	1261.3
	Depth to Groundwater	6.38
	Nitrate Nitrogen T/D	<0.12
	Odor (Field)	NONE
	OX/REDOX (Field)	128.2
	pH (Field)	7.35
	T/D Alkalinity	340
	T/D Chloride	300
	T/D Iron	0.174
	T/D Manganese	486
	T/D Organic Carbon	2.8
	T/D Oxygen (Field)	0.39
	T/D Sulfate	35
	T/D Sulfide	<1.0
	Temperature (Field)	10.97
	Turbidity (Field)	0.61

QC Summary Report

HYDE ENVIRONMENTAL, INC. **Project Name: OEC SUPERFUND WI**

SDG #: 0 **Folder #: 173719** **Project #:**

Duplicate

Analytical Run #:	267294	Analysis Date:	11/17/2022	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1265368	Analysis Time:	00:14	Prep Date/Time:		Method:	SW9056A
Parent Sample #:	1264329	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	U				0	18
Total Chloride	4.83	mg/L	4.8					1	10
Total Sulfate	0.855	mg/L	0.86					1	10

Lab Control Spike Water

Analytical Run #:	267294	Analysis Date:	11/16/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1265357	Analysis Time:	13:23	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	14.29	mg/L			15.00	95	80	---	120		
Nitrate Nitrogen	3.415	mg/L			3.500	98	80	---	120		
Sulfate	23.71	mg/L			25.00	95	80	---	120		

Method Blank Water

Analytical Run #:	267294	Analysis Date:	11/16/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1265358	Analysis Time:	13:59	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 #:	267294	Analysis Date:	11/17/2022	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1265369	Analysis Time:	00:32	Prep Date/Time:		Method:	SW9056A
Parent Sample #:	1264329	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	1.94	mg/L	BDL		2.00	97	58 --- 143		20
Total Chloride	12.2	mg/L	4.8		8.00	92	47 --- 120		20
Total Sulfate	7.54	mg/L	0.86		8.00	84	49 --- 120		20

Duplicate

Analytical Run #:	267349	Analysis Date:	11/17/2022	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1267258	Analysis Time:	15:50	Prep Date/Time:		Method:	SW9060
Parent Sample #:	1264315	Analyst:	TMG	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Total Organic Carbon	1.39	mg/L	1.4					1	20

Lab Control Spike Water

Analytical Run #:	267349	Analysis Date:	11/17/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1266655	Analysis Time:	12:28	Prep Date/Time:		Method:	SW9060
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
Total Organic Carbon	51.93	mg/L			50.0	104	83 --- 114		

Method Blank Water

Analytical Run #:	267349	Analysis Date:	11/17/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1266656	Analysis Time:	12:42	Prep Date/Time:		Method:	SW9060
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
Total Organic Carbon	0.4	mg/L		U	0		0.4		

Matrix Spike Duplicate Water

Analytical Run #:	267349	Analysis Date:	11/17/2022	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1267260	Analysis Time:	16:14	Prep Date/Time:		Method:	SW9060
Parent Sample #:	1267259	Analyst:	TMG	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Total Organic Carbon	51.6	mg/L	1.4		50.0	100	78 --- 118	2	6

Matrix Spike Water

Analytical Run #:	267349	Analysis Date:	11/17/2022	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1267259	Analysis Time:	16:01	Prep Date/Time:		Method:	SW9060
Parent Sample #:	1264315	Analyst:	TMG	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Total Organic Carbon	52.7	mg/L	1.4		50.0	103	78 --- 118		6

Duplicate

Analytical Run #:	267362	Analysis Date:	11/17/2022	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1264995	Analysis Time:	11:00	Prep Date/Time:		Method:	SW9034
Parent Sample #:	1264305	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 #:	267362	Analysis Date:	11/17/2022	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1264996	Analysis Time:	11:00	Prep Date/Time:		Method:	SW9034
Parent Sample #:	1264329	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 #:	267362	Analysis Date:	11/17/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1264993	Analysis Time:	11:00	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	4.80	mg/L			5.0	96	90 --- 110		

Method Blank Water

Analytical Run #:	267362	Analysis Date:	11/17/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1264994	Analysis Time:	11:00	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 #:	267460	Analysis Date:	11/21/2022	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1266480	Analysis Time:	09:00	Prep Date/Time:		Method:	SW9034
Parent Sample #:	1264321	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 #:	267460	Analysis Date:	11/21/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1266478	Analysis Time:	09:00	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	5.0	mg/L			5.0	100	90 --- 110		

Method Blank Water

Analytical Run #:	267460	Analysis Date:	11/21/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1266479	Analysis Time:	09:00	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 #:	267489	Analysis Date:	11/22/2022	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1266969	Analysis Time:	11:06	Prep Date/Time:		Method:	E310.2
Parent Sample #:	1264305	Analyst:	DC	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Alkalinity Dissolved	245	mg/L	250					2	20
Alkalinity Total	245	mg/L	250					2	20

Lab Control Spike Water

Analytical Run #:	267489	Analysis Date:	11/22/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1266708	Analysis Time:	11:02	Prep Date/Time:		Method:	E310.2
Parent Sample #:		Analyst:	BRB	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Alkalinity	375.0	mg/L			375.0	100	90 --- 110		

Method Blank Water

Analytical Run #:	267489	Analysis Date:	11/22/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1266709	Analysis Time:	11:03	Prep Date/Time:		Method:	E310.2
Parent Sample #:		Analyst:	BRB	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 #:	267297	Analysis Date:	11/16/2022	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1265053	Analysis Time:	17:31	Prep Date/Time:		Method:	SW6010
Parent Sample #:	1265049	Analyst:	NAH	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Iron	1.96	mg/L	BDL		2.0	98	75 --- 113	4	18
Manganese	860	ug/L	BDL		1000	86	75 --- 121	4	13

Matrix Spike Water

Analytical Run #:	267297	Analysis Date:	11/16/2022	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1265049	Analysis Time:	17:04	Prep Date/Time:		Method:	SW6010
Parent Sample #:	1264306	Analyst:	NAH	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Iron	1.89	mg/L	BDL		2.0	94	75 --- 113		18
Manganese	895	ug/L	BDL		1000	90	75 --- 121		13

Lab Control Spike Water

Analytical Run #:	267361	Analysis Date:	11/18/2022	Prep Batch #:	127809	Matrix:	LIQUID
CTLab #:	1264335	Analysis Time:	04:42	Prep Date/Time:	11/16/2022 14:25	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	0.406	mg/L			0.4	102	80 --- 115		
Manganese	202.0	ug/L			200.0	101	86 --- 112		

Method Blank Water

Analytical Run #:	267361	Analysis Date:	11/18/2022	Prep Batch #:	127809	Matrix:	LIQUID
CTLab #:	1264334	Analysis Time:	04:49	Prep Date/Time:	11/16/2022 14:25	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		

HYDE ENVIRONMENTAL, INC. **Project Name: OEC SUPERFUND WI**

SDG #: 0 **Folder #: 173719** **Project #:**

Matrix Spike Duplicate Water

Analytical Run #:	267361	Analysis Date:	11/18/2022	Prep Batch #:	127809	Matrix:	GROUND WATER
CTLab #:	1264337	Analysis Time:	05:31	Prep Date/Time:	11/16/2022 14:25	Method:	SW6010
Parent Sample #:	1264336	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	0.473	mg/L	0.108		0.4	91	75 --- 118	2	11
Manganese	198	ug/L	BDL		200	99	84 --- 111	1	7

HYDE ENVIRONMENTAL, INC. **Project Name: OEC SUPERFUND WI**

SDG #: 0 **Folder #: 173719** **Project #:**

Matrix Spike Water

Analytical Run #:	267361	Analysis Date:	11/18/2022	Prep Batch #:	127809	Matrix:	GROUND WATER
CTLab #:	1264336	Analysis Time:	05:24	Prep Date/Time:	11/16/2022 14:25	Method:	SW6010
Parent Sample #:	1264305	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	0.483	mg/L	0.108		0.4	94	75 --- 118		11
Manganese	199	ug/L	BDL		200	100	84 --- 111		7

Duplicate

Analytical Run #:	267311	Analysis Date:	11/17/2022	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1265441	Analysis Time:	10:27	Prep Date/Time:		Method:	RSK175
Parent Sample #:	1264327	Analyst:	DGS	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Ethane	0.59	ug/L	0	U				0	20
Ethene	0.59	ug/L	0	U				0	20
Methane	0.45	ug/L	0	U				0	20

Lab Control Spike Duplicate Water

Analytical Run #:	267311	Analysis Date:	11/17/2022	Prep Batch #:	127812	Matrix:	LIQUID
CTLab #:	1264802	Analysis Time:	10:32	Prep Date/Time:	11/16/2022 14:30	Method:	RSK175
Parent Sample #:	1264389	Analyst:	DGS	Prep Analyst:	DGS		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Ethane	4.49	ug/L	3.89		4.76	94	66 --- 129	14	20
Ethene	6.41	ug/L	5.51		6.77	95	68 --- 128	15	20
Methane	2.28	ug/L	1.88		2.29	100	71 --- 126	19	20

Lab Control Spike Water

Analytical Run #:	267311	Analysis Date:	11/17/2022	Prep Batch #:	127812	Matrix:	LIQUID
CTLab #:	1264389	Analysis Time:	08:33	Prep Date/Time:	11/16/2022 14:30	Method:	RSK175
Parent Sample #:		Analyst:	DGS	Prep Analyst:	DGS		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Ethane	3.89	ug/L			4.76	82	66 --- 129		20
Ethene	5.51	ug/L			6.77	81	68 --- 128		20
Methane	1.88	ug/L			2.29	82	71 --- 126		20

Method Blank Water

Analytical Run #:	267311	Analysis Date:	11/17/2022	Prep Batch #:	127812	Matrix:	LIQUID
CTLab #:	1264388	Analysis Time:	08:45	Prep Date/Time:	11/16/2022 14:30	Method:	RSK175
Parent Sample #:		Analyst:	DGS	Prep Analyst:	DGS		

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		

Lab Control Spike Duplicate Water

Analytical Run #:	267352	Analysis Date:	11/21/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1266628	Analysis Time:	19:12	Prep Date/Time:		Method:	SW8260C
Parent Sample #:	1266625	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	3.99	ug/L	3.88		4.0	100	78	---	121	3	20
1,1,1-Trichloroethane	4.34	ug/L	4.05		4.0	108	82	---	122	7	20
1,1,2,2-Tetrachloroethane	4.00	ug/L	3.73		4.0	100	68	---	128	7	20
1,1,2-Trichloroethane	4.02	ug/L	3.74		4.0	100	84	---	114	7	20
1,1-Dichloroethane	4.11	ug/L	3.81		4.0	103	76	---	122	8	20
1,1-Dichloroethene	4.36	ug/L	4.08		4.0	109	83	---	123	7	20
1,1-Dichloropropene	4.18	ug/L	4.08		4.0	104	85	---	120	2	20
1,2 Dichloroethane-d4	100	% Recovery			100	100	87	---	107	0	
1,2,3-Trichlorobenzene	3.83	ug/L	3.64		4.0	96	78	---	121	5	20
1,2,3-Trichloropropane	3.85	ug/L	3.60		4.0	96	62	---	129	7	20
1,2,4-Trichlorobenzene	4.10	ug/L	3.91		4.0	102	80	---	120	5	20
1,2,4-Trimethylbenzene	4.04	ug/L	3.77		4.0	101	76	---	125	7	20
1,2-Dibromo-3-chloropropane	3.63	ug/L	3.47		4.0	91	69	---	125	5	20
1,2-Dibromoethane	4.04	ug/L	3.85		4.0	101	80	---	118	5	20
1,2-Dichlorobenzene	3.90	ug/L	3.67		4.0	98	80	---	117	6	20
1,2-Dichloroethane	4.09	ug/L	3.69		4.0	102	78	---	118	10	20
1,2-Dichloropropane	3.99	ug/L	3.67		4.0	100	78	---	121	8	20
1,3,5-Trimethylbenzene	4.07	ug/L	3.88		4.0	102	76	---	126	5	20
1,3-Dichlorobenzene	3.89	ug/L	3.68		4.0	97	78	---	119	6	20
1,3-Dichloropropane	3.91	ug/L	3.77		4.0	98	82	---	117	4	20
1,4-Dichlorobenzene	3.86	ug/L	3.69		4.0	96	77	---	118	5	20
2,2-Dichloropropane	3.91	ug/L	4.04		4.0	98	71	---	133	3	20
2-Butanone	38.4	ug/L	37.5		40.0	96	80	---	120	2	20
2-Chlorotoluene	3.88	ug/L	3.65		4.0	97	73	---	124	6	20
2-Hexanone	41.0	ug/L	37.9		40.0	102	73	---	127	8	20
4-Chlorotoluene	4.01	ug/L	3.79		4.0	100	74	---	125	6	20
4-Methyl-2-pentanone	41.1	ug/L	37.4		40.0	103	77	---	125	9	20
Acetone	37.2	ug/L	38.2		40.0	93	72	---	117	3	20
Benzene	4.03	ug/L	3.74		4.0	101	82	---	118	7	20
Bromobenzene	3.86	ug/L	3.69		4.0	96	77	---	118	5	20
Bromochloromethane	3.96	ug/L	3.70		4.0	99	81	---	116	7	20
Bromodichloromethane	4.12	ug/L	3.97		4.0	103	80	---	122	4	20
Bromofluorobenzene	97.0	% Recovery			100	97.0	90	---	108	0	
Bromoform	3.54	ug/L	4.09		4.0	88	72	---	124	14	20
Bromomethane	3.89	ug/L	4.04		4.0	97	25	---	156	4	20
Carbon disulfide	8.79	ug/L	8.61		8.0	110	81	---	124	2	20
Carbon tetrachloride	4.65	ug/L	4.34		4.0	116	87	---	129	7	20
Chlorobenzene	3.92	ug/L	3.77		4.0	98	78	---	118	4	20
Chloroethane	4.07	ug/L	3.79		4.0	102	73	---	126	7	20
Chloroform	4.03	ug/L	3.71		4.0	101	76	---	119	8	20
Chloromethane	4.02	ug/L	3.75		4.0	100	70	---	121	7	20
cis-1,2-Dichloroethene	4.09	ug/L	3.75		4.0	102	82	---	118	9	20

Lab Control Spike Duplicate Water

Analytical Run #:	267352	Analysis Date:	11/21/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1266628	Analysis Time:	19:12	Prep Date/Time:		Method:	SW8260C
Parent Sample #:	1266625	Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits			RPD	RPD Limit
cis-1,3-Dichloropropene	4.09	ug/L	3.95		4.0	102	81	---	123	3	20
d8-Toluene	101	% Recovery			100	101	93	---	108	0	
Dibromochloromethane	3.95	ug/L	3.98		4.0	99	76	---	124	1	20
Dibromofluoromethane	102	% Recovery			100	102	93	---	106	0	
Dibromomethane	3.97	ug/L	3.66		4.0	99	83	---	115	8	20
Dichlorodifluoromethane	4.68	ug/L	4.28		4.0	117	78	---	126	9	20
Diisopropyl ether	4.14	ug/L	3.72		4.0	104	75	---	125	11	20
Ethylbenzene	4.08	ug/L	3.83		4.0	102	78	---	125	6	20
Hexachlorobutadiene	4.35	ug/L	4.06		4.0	109	79	---	123	7	20
Isopropylbenzene	4.30	ug/L	4.09		4.0	108	81	---	124	5	20
m & p-Xylene	8.13	ug/L	7.77		8.0	102	80	---	123	5	20
Methyl tert-butyl ether	3.82	ug/L	3.71		4.0	96	82	---	116	3	20
Methylene chloride	4.00	ug/L	3.70		4.0	100	73	---	128	8	20
n-Butylbenzene	4.29	ug/L	4.17		4.0	107	76	---	127	3	20
n-Propylbenzene	4.06	ug/L	3.87		4.0	102	75	---	129	5	20
Naphthalene	3.91	ug/L	3.59		4.0	98	64	---	129	9	20
o-Xylene	3.98	ug/L	3.83		4.0	100	81	---	121	4	20
p-Isopropyltoluene	4.21	ug/L	4.03		4.0	105	79	---	126	4	20
sec-Butylbenzene	4.30	ug/L	4.06		4.0	108	76	---	128	6	20
Styrene	4.12	ug/L	3.98		4.0	103	81	---	122	3	20
tert-Butylbenzene	4.09	ug/L	3.92		4.0	102	76	---	125	4	20
Tetrachloroethene	4.17	ug/L	4.06		4.0	104	82	---	123	3	20
Tetrahydrofuran	37.8	ug/L	34.7		40.0	94	69	---	122	9	20
Toluene	4.06	ug/L	3.81		4.0	102	82	---	119	6	20
trans-1,2-Dichloroethene	4.17	ug/L	3.95		4.0	104	80	---	122	5	20
trans-1,3-Dichloropropene	3.99	ug/L	3.92		4.0	100	83	---	119	2	20
Trichloroethene	4.12	ug/L	4.00		4.0	103	82	---	120	3	20
Trichlorofluoromethane	4.78	ug/L	4.42		4.0	120	78	---	130	8	20
Vinyl acetate	42.1	ug/L	35.2		40.0	105	63	---	136	18	20
Vinyl chloride	4.17	ug/L	4.05		4.0	104	73	---	127	3	20

Lab Control Spike Water

Analytical Run #:	267352	Analysis Date:	11/21/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1266625	Analysis Time:	08:21	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	4.05	ug/L			4.0	101	82	---	122		20
1,1,2,2-Tetrachloroethane	3.73	ug/L			4.0	93	68	---	128		20
1,1,2-Trichloroethane	3.74	ug/L			4.0	94	84	---	114		20
1,1-Dichloroethane	3.81	ug/L			4.0	95	76	---	122		20
1,1-Dichloroethene	4.08	ug/L			4.0	102	83	---	123		20
1,1-Dichloropropene	4.08	ug/L			4.0	102	85	---	120		20
1,2 Dichloroethane-d4	98.0	% Recovery			100	98.0	87	---	107		
1,2,3-Trichlorobenzene	3.64	ug/L			4.0	91	78	---	121		20
1,2,3-Trichloropropane	3.60	ug/L			4.0	90	62	---	129		20
1,2,4-Trichlorobenzene	3.91	ug/L			4.0	98	80	---	120		20
1,2,4-Trimethylbenzene	3.77	ug/L			4.0	94	76	---	125		20
1,2-Dibromo-3-chloropropane	3.47	ug/L			4.0	87	69	---	125		20
1,2-Dibromoethane	3.85	ug/L			4.0	96	80	---	118		20
1,2-Dichlorobenzene	3.67	ug/L			4.0	92	80	---	117		20
1,2-Dichloroethane	3.69	ug/L			4.0	92	78	---	118		20
1,2-Dichloropropane	3.67	ug/L			4.0	92	78	---	121		20
1,3,5-Trimethylbenzene	3.88	ug/L			4.0	97	76	---	126		20
1,3-Dichlorobenzene	3.68	ug/L			4.0	92	78	---	119		20
1,3-Dichloropropane	3.77	ug/L			4.0	94	82	---	117		20
1,4-Dichlorobenzene	3.69	ug/L			4.0	92	77	---	118		20
2,2-Dichloropropane	4.04	ug/L			4.0	101	71	---	133		20
2-Butanone	37.5	ug/L			40.0	94	80	---	120		20
2-Chlorotoluene	3.65	ug/L			4.0	91	73	---	124		20
2-Hexanone	37.9	ug/L			40.0	95	73	---	127		20
4-Chlorotoluene	3.79	ug/L			4.0	95	74	---	125		20
4-Methyl-2-pentanone	37.4	ug/L			40.0	94	77	---	125		20
Acetone	38.2	ug/L			40.0	96	72	---	117		20
Benzene	3.74	ug/L			4.0	94	82	---	118		20
Bromobenzene	3.69	ug/L			4.0	92	77	---	118		20
Bromochloromethane	3.70	ug/L			4.0	92	81	---	116		20
Bromodichloromethane	3.97	ug/L			4.0	99	80	---	122		20
Bromofluorobenzene	96.0	% Recovery			100	96.0	90	---	108		
Bromoform	4.09	ug/L			4.0	102	72	---	124		20
Bromomethane	4.04	ug/L			4.0	101	25	---	156		20
Carbon disulfide	8.61	ug/L			8.0	108	81	---	124		20
Carbon tetrachloride	4.34	ug/L			4.0	108	87	---	129		20
Chlorobenzene	3.77	ug/L			4.0	94	78	---	118		20
Chloroethane	3.79	ug/L			4.0	95	73	---	126		20
Chloroform	3.71	ug/L			4.0	93	76	---	119		20
Chloromethane	3.75	ug/L			4.0	94	70	---	121		20
cis-1,2-Dichloroethene	3.75	ug/L			4.0	94	82	---	118		20

Lab Control Spike Water

Analytical Run #:	267352	Analysis Date:	11/21/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1266625	Analysis Time:	08:21	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	3.95	ug/L			4.0	99	81	---	123		20
d8-Toluene	100	% Recovery			100	100	93	---	108		
Dibromochloromethane	3.98	ug/L			4.0	100	76	---	124		20
Dibromofluoromethane	101	% Recovery			100	101	93	---	106		
Dibromomethane	3.66	ug/L			4.0	92	83	---	115		20
Dichlorodifluoromethane	4.28	ug/L			4.0	107	78	---	126		20
Diisopropyl ether	3.72	ug/L			4.0	93	75	---	125		20
Ethylbenzene	3.83	ug/L			4.0	96	78	---	125		20
Hexachlorobutadiene	4.06	ug/L			4.0	102	79	---	123		20
Isopropylbenzene	4.09	ug/L			4.0	102	81	---	124		20
m & p-Xylene	7.77	ug/L			8.0	97	80	---	123		20
Methyl tert-butyl ether	3.71	ug/L			4.0	93	82	---	116		20
Methylene chloride	3.70	ug/L			4.0	92	73	---	128		20
n-Butylbenzene	4.17	ug/L			4.0	104	76	---	127		20
n-Propylbenzene	3.87	ug/L			4.0	97	75	---	129		20
Naphthalene	3.59	ug/L			4.0	90	64	---	129		20
o-Xylene	3.83	ug/L			4.0	96	81	---	121		20
p-Isopropyltoluene	4.03	ug/L			4.0	101	79	---	126		20
sec-Butylbenzene	4.06	ug/L			4.0	102	76	---	128		20
Styrene	3.98	ug/L			4.0	100	81	---	122		20
tert-Butylbenzene	3.92	ug/L			4.0	98	76	---	125		20
Tetrachloroethene	4.06	ug/L			4.0	102	82	---	123		20
Tetrahydrofuran	34.7	ug/L			40.0	87	69	---	122		20
Toluene	3.81	ug/L			4.0	95	82	---	119		20
trans-1,2-Dichloroethene	3.95	ug/L			4.0	99	80	---	122		20
trans-1,3-Dichloropropene	3.92	ug/L			4.0	98	83	---	119		20
Trichloroethene	4.00	ug/L			4.0	100	82	---	120		20
Trichlorofluoromethane	4.42	ug/L			4.0	110	78	---	130		20
Vinyl acetate	35.2	ug/L			40.0	88	63	---	136		20
Vinyl chloride	4.05	ug/L			4.0	101	73	---	127		20

Method Blank Water

Analytical Run #:	267352	Analysis Date:	11/21/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1266627	Analysis Time:	09:45	Prep Date/Time:		Method:	SW8260C
Parent Sample #:		Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	0.013	ug/L		U	0		0.013		
1,1,1-Trichloroethane	0.013	ug/L		U	0		0.013		
1,1,2,2-Tetrachloroethane	0.015	ug/L		U	0		0.015		
1,1,2-Trichloroethane	0.036	ug/L		U	0		0.036		
1,1-Dichloroethane	0.017	ug/L		U	0		0.017		
1,1-Dichloroethene	0.024	ug/L		U	0		0.024		
1,1-Dichloropropene	0.074	ug/L		U	0		0.074		
1,2 Dichloroethane-d4	101	% Recovery			100	101	68 --- 120		
1,2,3-Trichlorobenzene	0.019	ug/L		U	0		0.019		
1,2,3-Trichloropropane	0.031	ug/L		U	0		0.031		
1,2,4-Trichlorobenzene	0.0222	ug/L		U	0		0.0222		
1,2,4-Trimethylbenzene	0.011	ug/L		U	0		0.011		
1,2-Dibromo-3-chloropropane	0.12	ug/L		U	0		0.12		
1,2-Dibromoethane	0.029	ug/L		U	0		0.029		
1,2-Dichlorobenzene	0.016	ug/L		U	0		0.016		
1,2-Dichloroethane	0.017	ug/L		U	0		0.017		
1,2-Dichloropropane	0.013	ug/L		U	0		0.013		
1,3,5-Trimethylbenzene	0.013	ug/L		U	0		0.013		
1,3-Dichlorobenzene	0.013	ug/L		U	0		0.013		
1,3-Dichloropropane	0.020	ug/L		U	0		0.020		
1,4-Dichlorobenzene	0.017	ug/L		U	0		0.017		
2,2-Dichloropropane	0.075	ug/L		U	0		0.075		
2-Butanone	0.31	ug/L		U	0		0.31		
2-Chlorotoluene	0.020	ug/L		U	0		0.020		
2-Hexanone	0.15	ug/L		U	0		0.15		
4-Chlorotoluene	0.013	ug/L		U	0		0.013		
4-Methyl-2-pentanone	0.19	ug/L		U	0		0.19		
Acetone	1.03	ug/L			0		0.84		
Benzene	0.022	ug/L		U	0		0.022		
Bromobenzene	0.018	ug/L		U	0		0.018		
Bromochloromethane	0.034	ug/L		U	0		0.034		
Bromodichloromethane	0.019	ug/L		U	0		0.019		
Bromofluorobenzene	99.0	% Recovery			100	99.0	68 --- 120		
Bromoform	0.041	ug/L		U	0		0.041		
Bromomethane	0.052	ug/L		U	0		0.052		
Carbon disulfide	0.11	ug/L		U	0		0.11		
Carbon tetrachloride	0.018	ug/L		U	0		0.018		
Chlorobenzene	0.013	ug/L		U	0		0.013		
Chloroethane	0.40	ug/L		U	0		0.40		
Chloroform	0.016	ug/L		U	0		0.016		
Chloromethane	0.045	ug/L		U	0		0.045		
cis-1,2-Dichloroethene	0.023	ug/L		U	0		0.023		

Method Blank Water

Analytical Run #:	267352	Analysis Date:	11/21/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1266627	Analysis Time:	09:45	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	0.020	ug/L		U	0		0.020		
m & p-Xylene	0.030	ug/L		U	0		0.030		
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	0.020	ug/L		U	0		0.020		
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	0.021	ug/L		U	0		0.021		
Styrene	0.014	ug/L		U	0		0.014		
tert-Butylbenzene	0.020	ug/L		U	0		0.020		
Tetrachloroethene	0.028	ug/L		U	0		0.028		
Tetrahydrofuran	0.38	ug/L		U	0		0.38		
Toluene	0.020	ug/L		U	0		0.020		
trans-1,2-Dichloroethene	0.020	ug/L		U	0		0.020		
trans-1,3-Dichloropropene	0.020	ug/L		U	0		0.020		
Trichloroethene	0.022	ug/L		U	0		0.022		
Trichlorofluoromethane	0.033	ug/L		U	0		0.033		
Vinyl acetate	0.14	ug/L		U	0		0.14		
Vinyl chloride	0.019	ug/L		U	0		0.019		

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Condition Report

Folder #:	173719	Print Date / Time:	11/16/2022 10:33
Client:	HYDE ENVIRONMENTAL, INC.	Received Date / Time / By:	11/16/2022 10:13 erc
Project Name:	OEC SUPERFUND WI	Log-In Date / Time / By:	11/16/2022 10:33 erc
Project Phase:	ASHIPPUN, WI	Project #:	PM: BMS
Coolers:	6170,6750	Temperature:	<4.3 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:	1Z1A377E 9047865150,"9047905366
Adequate Packaging:	**Y**	Temp Blank Enclosed?	**Y**

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

SAMPLE MW-103S WAS MISSING THE SULFIDE BOTTLE. THE CLIENT WILL SEND THE MISSING BOTTLE WITH THE NEXT SAMPLE SHIPMENT (OR RECOLLECT IF THEY ARE UNABLE TO LOCATE).

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
1264305 MW-12B				
	UNPRES PL	1	/	ALK,Anions
	Total # of Containers of Type	(***UNPRES PL***) = **1**		
1264305 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
	Total # of Containers of Type	(***VOA HCL***) = **5**		
1264305 MW-12B				
	HNO3	1	Y / N	ICP
	Total # of Containers of Type	(***HNO3***) = **1**		
1264305 MW-12B				
	NAOH W/ZNAC	1	Y / N	SLFD
	Total # of Containers of Type	(***NAOH W/ZNAC***) = **1**		
1264305 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
1264306 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**
1264307	MW-12D					
		UNPRES PL	1	/		ALK,Anions
		Total # of Containers of Type	**(*UNPRES PL*) = 1**			
1264307	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
		Total # of Containers of Type	**(*VOA HCL*) = 5**			
1264307	MW-12D					
		HNO3	1	Y /	N	ICP
		Total # of Containers of Type	**(*HNO3*) = 1**			
1264307	MW-12D					
		NAOH W/ZNAC	1	Y /	N	SLFD
		Total # of Containers of Type	**(*NAOH W/ZNAC*) = 1**			
1264307	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**
1264308	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**
1264309	MW-12S					
		UNPRES PL	1	/		ALK,Anions
		Total # of Containers of Type	**(*UNPRES PL*) = 1**			
1264309	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
		Total # of Containers of Type	**(*VOA HCL*) = 5**			
1264309	MW-12S					
		HNO3	1	Y /	N	ICP
		Total # of Containers of Type	**(*HNO3*) = 1**			
1264309	MW-12S					
		NAOH W/ZNAC	1	Y /	N	SLFD

		Total # of Containers of Type	**(*NAOH W/ZNAC*) =**	**1**		
1264309	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**
1264310	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**
1264311	TW-202I					
		UNPRES PL	1	/		ALK,Anions
		Total # of Containers of Type	**(*UNPRES PL*) =**	**1**		
1264311	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
		Total # of Containers of Type	**(*VOA HCL*) =**	**5**		
1264311	TW-202I					
		HNO3	1	Y / N		ICP
		Total # of Containers of Type	**(*HNO3*) =**	**1**		
1264311	TW-202I					
		NAOH W/ZNAC	1	Y / N		SLFD
		Total # of Containers of Type	**(*NAOH W/ZNAC*) =**	**1**		
1264311	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**
1264312	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**
1264313	MW-3D					
		UNPRES PL	1	/		ALK,Anions
		Total # of Containers of Type	**(*UNPRES PL*) =**	**1**		
1264313	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
		Total # of Containers of Type	(***VOA HCL***) = **5**			
1264313	MW-3D					
		HNO3	1	Y	/ N	ICP
		Total # of Containers of Type	(***HNO3***) = **1**			
1264313	MW-3D					
		NAOH W/ZNAC	1	Y	/ N	SLFD
		Total # of Containers of Type	(***NAOH W/ZNAC***) = **1**			
1264313	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**
1264314	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**
1264315	MW-2D				
		UNPRES PL	1	/	ALK,Anions
		Total # of Containers of Type	(***UNPRES PL***) = **1**		
1264315	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
		Total # of Containers of Type	(***VOA HCL***) = **5**		
1264315	MW-2D				
		HNO3	1	Y / N	ICP
		Total # of Containers of Type	(***HNO3***) = **1**		
1264315	MW-2D				
		NAOH W/ZNAC	1	Y / N	SLFD
		Total # of Containers of Type	(***NAOH W/ZNAC***) = **1**		
1264315	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**
1264316	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**

1264317	OW-6					
		UNPRES PL	1		/	ALK,Anions
		Total # of Containers of Type	(***UNPRES PL***) = **1**			
1264317	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
		Total # of Containers of Type	(***VOA HCL***) = **5**			
1264317	OW-6					
		HNO3	1	Y	/ N	ICP
		Total # of Containers of Type	(***HNO3***) = **1**			
1264317	OW-6					
		NAOH W/ZNAC	1	Y	/ N	SLFD
		Total # of Containers of Type	(***NAOH W/ZNAC***) = **1**			
1264317	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**
1264318	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**
1264319	MW-103D				
		UNPRES PL	1	/	ALK,Anions
		Total # of Containers of Type	(***UNPRES PL***) = **1**		
1264319	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
		Total # of Containers of Type	(***VOA HCL***) = **5**		
1264319	MW-103D				
		HNO3	1	Y / N	ICP
		Total # of Containers of Type	(***HNO3***) = **1**		
1264319	MW-103D				
		NAOH W/ZNAC	1	Y / N	SLFD
		Total # of Containers of Type	(***NAOH W/ZNAC***) = **1**		
1264319	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
1264320	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
1264321	MW-103S				
		UNPRES PL	1	/	ALK,Anions
		Total # of Containers of Type	**(*UNPRES PL*) = 1**		
1264321	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
		Total # of Containers of Type	**(*VOA HCL*) = 5**		
1264321	MW-103S				
		HNO3	1	Y / N	ICP
		Total # of Containers of Type	**(*HNO3*) = 1**		
1264321	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
1264322	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
1264323	MW-9S				
		UNPRES PL	1	/	ALK,Anions
		Total # of Containers of Type	**(*UNPRES PL*) = 1**		
1264323	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
		Total # of Containers of Type	**(*VOA HCL*) = 5**		
1264323	MW-9S				
		HNO3	1	Y / N	ICP
		Total # of Containers of Type	**(*HNO3*) = 1**		

1264323	MW-9S						
		NAOH W/ZNAC	1	Y	/	N	SLFD
		Total # of Containers of Type	(***NAOH W/ZNAC***) = **1**				
1264323	MW-9S						
		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
1264324	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
1264325	MW-5D				
		UNPRES PL	1	/	ALK,Anions
		Total # of Containers of Type	(***UNPRES PL***) = **1**		
1264325	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
		Total # of Containers of Type	(***VOA HCL***) = **5**		
1264325	MW-5D				
		HNO3	1	Y / N	ICP
		Total # of Containers of Type	(***HNO3***) = **1**		
1264325	MW-5D				
		NAOH W/ZNAC	1	Y / N	SLFD
		Total # of Containers of Type	(***NAOH W/ZNAC***) = **1**		
1264325	MW-5D				
		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
1264326	MW-5D				
		HNO3	1	Y / N	ICP
		Total # of Containers of Type	(***HNO3***) = **1**		

Sample ID /	Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
1264327	MW-4S				
		UNPRES PL	1	/	ALK,Anions
		Total # of Containers of Type	(***UNPRES PL***) = **1**		
1264327	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
		Total # of Containers of Type (*VOA HCL*) = 5				
1264327	MW-4S					
		HNO3	1	Y	/ N	ICP
		Total # of Containers of Type (*HNO3*) = 1				
1264327	MW-4S					
		NAOH W/ZNAC	1	Y	/ N	SLFD
		Total # of Containers of Type (*NAOH W/ZNAC*) = 1				
1264327	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
1264328	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
1264329	MW-1D				
		UNPRES PL	1	/	ALK,Anions
		Total # of Containers of Type (*UNPRES PL*) = 1			
1264329	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
		Total # of Containers of Type (*VOA HCL*) = 5			
1264329	MW-1D				
		HNO3	1	Y / N	ICP
		Total # of Containers of Type (*HNO3*) = 1			
1264329	MW-1D				
		NAOH W/ZNAC	1	Y / N	SLFD
		Total # of Containers of Type (*NAOH W/ZNAC*) = 1			
1264329	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
1264330	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**
1264331	TRIP BLANK				
		Trip Blank	1	/	VOC
		Total # of Containers of Type	(***Trip Blank***) = **1**		
1264331	TRIP BLANK				
		VOA HCL	1	/	VOC
		Total # of Containers of Type	(***VOA HCL***) = **1**		

Condition Code *Condition Description*

1 Sample Received OK

Rev. 02/2017

CHAIN OF CUSTODY

Page 1 of 2

Company: Hyde Env.
Project Contact: Jim Lindemann (I
Telephone: 262-250-1226
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 #: 173719
Company: HYDE ENVIRONMENTAL, IN
Project: OCONOMOWOC ELECTROPL
Logged By: erc PM: BMS

Program: DSM RCRA SDWA NPDES
Solid Waste Other Superfund
PO #

Report To:
EMAIL: jclindemann@hyde-env.com
Company: Hyde Environmental
Address: W175 N1163 Stonewood Dr
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

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

Collection Date	Collection Time	Matrix	Grab/ Comp	Sample #	Sample ID Description	Filtered? Y/N	VOCs + tentatives low level (8260C)	Methane, Ethane (RSK 175)	Total Fe (6010C)	Total Mn (6010C)	Dissolved Fe (6010C)	Dissolved MN (6010C)	Alkalinity (310.2)	Chloride (9056A)	Sulfate (9056A)	Nitrate (9056A)	Sulfide (SM 4500-S2 F)	TOC (9060A)				Total # Containers	Designated MS/MSD	CT Lab ID # (Lab use only)
							Fill in Spaces with Bottles per Test																		
11/15/22	0745	GW	Grab		MW-12B	Y	3	2	1	1	1	1	1	1	1	1	1	1				10		12643,05,06
	0830				MW-12D	Y																		07,08
	0900				MW-12S	Y																		09,10
	1000				TW-2021	Y																		11,12
	1030				MW-3D	Y																		13,14
	1100				MW-2D	Y																		15,16
	1145				OW-6	Y																		17,18
	1230				MW-103D	Y																		19,20
	1330				MW-103S	Y													-no sulfide bottle rec'd					21,22
	1400				MW-9S	Y														Error 4/11/22				23,24
	1445				MW-5D	Y																		25,26
	1530				MW-4S	Y																		27,28

Relinquished By: Logan Cranley
Date/Time: 11-15-22 1717

Received by:
Date/Time

Received By: Tw
Date/Time: 11/16 1013

Received for Laboratory by: Tw
Date/Time: 11/16 1053

Lab Use Only
Ice Present Yes No
Temp 24.4,7 IR Gun 27
Cooler # 6170, 6750

Rev. 02/2017

CHAIN OF CUSTODY

Company: Hyde Environmental
Project Contact: Jim Lindemann
Telephone: 262-250-1226
Project Name: OEC Superfund WI
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:

173719

Program:
QSM RCRA SDWA NPDES
Solid Waste Other Superfund

PO #

Report To:
EMAIL: jclindemann@hyde-env.com
Company: Hyde Environmental
Address: W175W11163 Stonewood Dr
IID, 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

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

Collection Date	Collection Time	Matrix	Grab/ Comp	Sample #	Sample ID Description	Filtered? Y/N	ANALYSES REQUESTED: VOCs+14 Dioxane (8260C)	Low Level Ethane, Ethene (RSK-175)	Total Fe (6010C)	Total Mn (6010C)	Dissolved Fe (6010C)	Dissolved Mn (6010C)	Alkalinity (310.1)	Chloride (9056A)	Sulfate (9056A)	NO3 Nitrate (9056A)	Sulfide (SM 4500-S2 D)	TOC (9060A)				Total # Containers	Designated MS/MSD	CT Lab ID # (Lab use only)
							Fill in Spaces with Bottles per Test																		
11/15/22	1615	GW	Grab		MW-10	Y	3	2	1	1	1	1	1	1	1	1	1	1				10		1764329,30
					Trip blank		3															3		31
					1 broken T.B. upon arrival																			
					Lm 11/16/22																			

Relinquished By:	Date/Time	Received By:	Date/Time
Logan Cranley	11-15-22 1717	Lm	11/16/22 1013
Received by:	**Date/Time**	**Received for Laboratory by:**	**Date/Time**
		Lm	11/16/22 1057

Lab Use Only
Ice Present Yes No
Temp 24, 23 IR Gun 77
Cooler # 6170, 6750

LOGAN CRANLEY
HYDE ENVIRONMENTAL
W175 N11163 STONEWOOD DRIVE
GERMANTOWN WI 53022

30 LBS

RS

6R

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 4786 5150

BILLING: P/P
DESC: ENVIRONMENTAL SAMPLES
RETURN SERVICE

WS 26.0.14 Zebra ZP 450 46.0A 10/2022

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RRD R 0322

LOGAN CRANLEY
HYDE ENVIRONMENTAL
W175 N11163 STONEWOOD DRIVE
GERMANTOWN WI 53022

30 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 4790 5366

BILLING: P/P
DESC: ENVIRONMENTAL SAMPLES
RETURN SERVICE

WS 26.0.14 Zebra ZP 450 46.0A 10/2022

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RRD R 0322

CT LABORATORIES

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ANALYTICAL REPORT

This report at a minimum contains the following information:

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

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ANALYTICAL REPORT

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

Project Name: OEC SUPERFUND WI
Project Phase: ASHIPPUN, WI
Contract #: 3451
Project #:
Folder #: 173767
Purchase Order #:

Arrival Temperature: 5.5
Report Date: 12/13/2022
Date Received: 11/17/2022
Reprint Date: 12/13/2022

CT LAB Sample#: 1264833 Sample Description: MW-1S License/Well #: 04189/001 Sampled: 11/16/2022 07:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Dissolved Oxygen (Field)	**0.21**	mg/L			1			11/16/2022 07:30	SUB	FIELD
Depth to Groundwater (Field)	**5.2**	Feet			1			11/16/2022 07:30	SUB	FIELD
OX/REDOX (Field)	**88.50**	MV			1			11/16/2022 07:30	SUB	FIELD
Color (Field)	**CLEAR**		N/A	N/A	1			11/16/2022 07:30	SUB	FIELD
Conductivity (Field)	**969.44**	umhos/cm			1			11/16/2022 07:30	SUB	FIELD
Odor (Field)	**NONE**		N/A	N/A	1			11/16/2022 07:30	SUB	FIELD
pH (Field)	**7.43**	S.U.			1			11/16/2022 07:30	SUB	FIELD
Temperature (Field)	**10.24**	Deg. C			1			11/16/2022 07:30	SUB	FIELD
Turbidity (Field)	**7613**	NTU			1			11/16/2022 07:30	SUB	FIELD
Inorganic Results										
Alkalinity Total	**350**	mg/L	21	70	1			11/22/2022 11:24	BRB	EPA 310.2
Total Sulfide	<1.0	mg/L	1.0		1			11/21/2022 09:00	ATJ	SM 4500-S2F
Nitrate Nitrogen Total	<0.12	mg/L	0.12	0.4	1			11/17/2022 14:51	TMG	EPA 9056A
Total Chloride	**220**	mg/L	10	32	10			11/17/2022 15:11	TMG	EPA 9056A
Total Sulfate	**29**	mg/L	0.8	2.5	1			11/17/2022 14:51	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#: 1264833 Sample Description: MW-1S License/Well #: 04189/001 Sampled: 11/16/2022 07:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Total Organic Carbon	**1.6**	mg/L	0.4	1.3	1			11/21/2022 10:30	TMG	EPA 9060A
Metals Results										
Total Iron	**4.59**	mg/L	0.033	0.11	1		11/17/2022 14:12	11/18/2022 15:53	NAH	EPA 6010C
Total Manganese	**101**	ug/L	1.5	5.0	1		11/17/2022 14:12	11/18/2022 15:53	NAH	EPA 6010C
Organic Results										
Ethane	<0.38	ug/L	0.38	1.3	1		11/21/2022 07:10	11/21/2022 08:18	DGS	RSK 175
Ethene	<0.59	ug/L	0.59	2.0	1		11/21/2022 07:10	11/21/2022 08:18	DGS	RSK 175
Methane	**4.9**	ug/L	0.45	1.5	1		11/21/2022 07:10	11/21/2022 08:18	DGS	RSK 175
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			11/21/2022 15:25	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			11/21/2022 15:25	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			11/21/2022 15:25	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			11/21/2022 15:25	RLD	EPA 8260C
1,1-Dichloroethane	**0.023**	ug/L	0.017 *	0.10	1			11/21/2022 15:25	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			11/21/2022 15:25	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			11/21/2022 15:25	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			11/21/2022 15:25	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			11/21/2022 15:25	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			11/21/2022 15:25	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			11/21/2022 15:25	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			11/21/2022 15:25	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			11/21/2022 15:25	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			11/21/2022 15:25	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/21/2022 15:25	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			11/21/2022 15:25	RLD	EPA 8260C

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CT LAB Sample#: 1264833 Sample Description: MW-1S License/Well #: 04189/001 Sampled: 11/16/2022 07:30

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			11/21/2022 15:25	RLD	EPA 8260C
1,3-Dichlorobenzene	**0.038**	ug/L	0.013 *	0.10	1			11/21/2022 15:25	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			11/21/2022 15:25	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			11/21/2022 15:25	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			11/21/2022 15:25	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			11/21/2022 15:25	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			11/21/2022 15:25	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			11/21/2022 15:25	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			11/21/2022 15:25	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			11/21/2022 15:25	RLD	EPA 8260C
Acetone	**3.8**	ug/L	0.84 *	4.0	1	B		11/21/2022 15:25	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			11/21/2022 15:25	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			11/21/2022 15:25	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			11/21/2022 15:25	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			11/21/2022 15:25	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			11/21/2022 15:25	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			11/21/2022 15:25	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			11/21/2022 15:25	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			11/21/2022 15:25	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			11/21/2022 15:25	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			11/21/2022 15:25	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			11/21/2022 15:25	RLD	EPA 8260C
Chloromethane	**0.067**	ug/L	0.045 *	0.20	1			11/21/2022 15:25	RLD	EPA 8260C
cis-1,2-Dichloroethene	**0.085**	ug/L	0.023 *	0.10	1			11/21/2022 15:25	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			11/21/2022 15:25	RLD	EPA 8260C

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CT LAB Sample#: 1264833 Sample Description: MW-1S License/Well #: 04189/001 Sampled: 11/16/2022 07:30

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			11/21/2022 15:25	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			11/21/2022 15:25	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			11/21/2022 15:25	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			11/21/2022 15:25	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			11/21/2022 15:25	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			11/21/2022 15:25	RLD	EPA 8260C
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1			11/21/2022 15:25	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1			11/21/2022 15:25	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			11/21/2022 15:25	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			11/21/2022 15:25	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/21/2022 15:25	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1			11/21/2022 15:25	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			11/21/2022 15:25	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			11/21/2022 15:25	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			11/21/2022 15:25	RLD	EPA 8260C
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/21/2022 15:25	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			11/21/2022 15:25	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1			11/21/2022 15:25	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			11/21/2022 15:25	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			11/21/2022 15:25	RLD	EPA 8260C
Toluene	<0.020	ug/L	0.020	0.10	1			11/21/2022 15:25	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			11/21/2022 15:25	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			11/21/2022 15:25	RLD	EPA 8260C
Trichloroethene	**0.095**	ug/L	0.022 *	0.10	1			11/21/2022 15:25	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			11/21/2022 15:25	RLD	EPA 8260C

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CT LAB Sample#: 1264833 Sample Description: MW-1S License/Well #: 04189/001 Sampled: 11/16/2022 07:30

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			11/21/2022 15:25	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			11/21/2022 15:25	RLD	EPA 8260C
1,4-Dioxane	<7.0	ug/L	7.0	23	1			11/21/2022 15:25	RLD	EPA 8260C

CT LAB Sample#: 1264834 Sample Description: MW-1S License/Well #: 04189/001 Sampled: 11/16/2022 07:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Iron	**1.37**	mg/L	0.027	0.09	1			11/18/2022 20:08	NAH	EPA 6010C
Dissolved Manganese	**100**	ug/L	1.2	5.0	1			11/18/2022 20:08	NAH	EPA 6010C

CT LAB Sample#: 1264835 Sample Description: MW-14DR License/Well #: 04189/050 Sampled: 11/16/2022 08:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Dissolved Oxygen (Field)	**0.41**	mg/L			1			11/16/2022 08:30	SUB	FIELD
Depth to Groundwater (Field)	**3.67**	Feet			1			11/16/2022 08:30	SUB	FIELD
OX/REDOX (Field)	**69.2**	MV			1			11/16/2022 08:30	SUB	FIELD
Color (Field)	**CLEAR**		N/A	N/A	1			11/16/2022 08:30	SUB	FIELD
Conductivity (Field)	**968.65**	umhos/cm			1			11/16/2022 08:30	SUB	FIELD
Odor (Field)	**NONE**		N/A	N/A	1			11/16/2022 08:30	SUB	FIELD
pH (Field)	**7.4**	S.U.			1			11/16/2022 08:30	SUB	FIELD
Temperature (Field)	**11.20**	Deg. C			1			11/16/2022 08:30	SUB	FIELD
Turbidity (Field)	**13.67**	NTU			1			11/16/2022 08:30	SUB	FIELD

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CT LAB Sample#: 1264835 Sample Description: MW-14DR License/Well #: 04189/050 Sampled: 11/16/2022 08:30

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			11/22/2022 11:25	BRB	EPA 310.2
Total Sulfide	<1.0	mg/L	1.0		1			11/21/2022 09:00	ATJ	SM 4500-S2F
Nitrate Nitrogen Total	**0.31**	mg/L	0.12 *	0.4	1			11/17/2022 15:32	TMG	EPA 9056A
Total Chloride	**210**	mg/L	10	32	10			11/21/2022 12:57	TMG	EPA 9056A
Total Sulfate	**25**	mg/L	0.8	2.5	1			11/17/2022 15:32	TMG	EPA 9056A
Total Organic Carbon	**1.9**	mg/L	0.4	1.3	1			11/21/2022 10:41	TMG	EPA 9060A
Metals Results										
Total Iron	**0.118**	mg/L	0.033	0.11	1		11/17/2022 14:12	11/18/2022 16:42	NAH	EPA 6010C
Total Manganese	**206**	ug/L	1.5	5.0	1		11/17/2022 14:12	11/18/2022 16:42	NAH	EPA 6010C
Organic Results										
Ethane	<0.38	ug/L	0.38	1.3	1		11/21/2022 07:10	11/21/2022 08:26	DGS	RSK 175
Ethene	<0.59	ug/L	0.59	2.0	1		11/21/2022 07:10	11/21/2022 08:26	DGS	RSK 175
Methane	**0.56**	ug/L	0.45 *	1.5	1		11/21/2022 07:10	11/21/2022 08:26	DGS	RSK 175
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			11/21/2022 15:54	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			11/21/2022 15:54	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			11/21/2022 15:54	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			11/21/2022 15:54	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/21/2022 15:54	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			11/21/2022 15:54	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			11/21/2022 15:54	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			11/21/2022 15:54	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			11/21/2022 15:54	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			11/21/2022 15:54	RLD	EPA 8260C

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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			11/21/2022 15:54	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			11/21/2022 15:54	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			11/21/2022 15:54	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			11/21/2022 15:54	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/21/2022 15:54	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			11/21/2022 15:54	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			11/21/2022 15:54	RLD	EPA 8260C
1,3-Dichlorobenzene	**0.035**	ug/L	0.013 *	0.10	1			11/21/2022 15:54	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			11/21/2022 15:54	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			11/21/2022 15:54	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			11/21/2022 15:54	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			11/21/2022 15:54	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			11/21/2022 15:54	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			11/21/2022 15:54	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			11/21/2022 15:54	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			11/21/2022 15:54	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			11/21/2022 15:54	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			11/21/2022 15:54	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			11/21/2022 15:54	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			11/21/2022 15:54	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			11/21/2022 15:54	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			11/21/2022 15:54	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			11/21/2022 15:54	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			11/21/2022 15:54	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			11/21/2022 15:54	RLD	EPA 8260C

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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			11/21/2022 15:54	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			11/21/2022 15:54	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			11/21/2022 15:54	RLD	EPA 8260C
Chloromethane	**0.046**	ug/L	0.045 *	0.20	1			11/21/2022 15:54	RLD	EPA 8260C
cis-1,2-Dichloroethene	**0.036**	ug/L	0.023 *	0.10	1			11/21/2022 15:54	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			11/21/2022 15:54	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			11/21/2022 15:54	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			11/21/2022 15:54	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			11/21/2022 15:54	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			11/21/2022 15:54	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			11/21/2022 15:54	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			11/21/2022 15:54	RLD	EPA 8260C
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1			11/21/2022 15:54	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1			11/21/2022 15:54	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			11/21/2022 15:54	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			11/21/2022 15:54	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/21/2022 15:54	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1			11/21/2022 15:54	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			11/21/2022 15:54	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			11/21/2022 15:54	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			11/21/2022 15:54	RLD	EPA 8260C
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/21/2022 15:54	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			11/21/2022 15:54	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1			11/21/2022 15:54	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			11/21/2022 15:54	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#: 1264835 Sample Description: MW-14DR License/Well #: 04189/050 Sampled: 11/16/2022 08:30

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			11/21/2022 15:54	RLD	EPA 8260C
Toluene	<0.020	ug/L	0.020	0.10	1			11/21/2022 15:54	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			11/21/2022 15:54	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			11/21/2022 15:54	RLD	EPA 8260C
Trichloroethene	**0.16**	ug/L	0.022	0.10	1			11/21/2022 15:54	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			11/21/2022 15:54	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			11/21/2022 15:54	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			11/21/2022 15:54	RLD	EPA 8260C
1,4-Dioxane	<7.0	ug/L	7.0	23	1			11/21/2022 15:54	RLD	EPA 8260C

CT LAB Sample#: 1264836 Sample Description: MW-14DR License/Well #: 04189/050 Sampled: 11/16/2022 08:30

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			11/18/2022 20:29	NAH	EPA 6010C
Dissolved Manganese	**77.0**	ug/L	1.2	5.0	1			11/18/2022 20:29	NAH	EPA 6010C

CT LAB Sample#: 1264837 Sample Description: MW-105S License/Well #: 04189/043 Sampled: 11/16/2022 09:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Dissolved Oxygen (Field)	**0.38**	mg/L			1			11/16/2022 09:00	SUB	FIELD
Depth to Groundwater (Field)	**4.12**	Feet			1			11/16/2022 09:00	SUB	FIELD
OX/REDOX (Field)	**77.5**	MV			1			11/16/2022 09:00	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#: 1264837 Sample Description: MW-105S License/Well #: 04189/043 Sampled: 11/16/2022 09:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Color (Field)	**CLEAR**		N/A	N/A	1			11/16/2022 09:00	SUB	FIELD
Conductivity (Field)	**2417**	umhos/cm			1			11/16/2022 09:00	SUB	FIELD
Odor (Field)	**NONE**		N/A	N/A	1			11/16/2022 09:00	SUB	FIELD
pH (Field)	**7.25**	S.U.			1			11/16/2022 09:00	SUB	FIELD
Temperature (Field)	**10.54**	Deg. C			1			11/16/2022 09:00	SUB	FIELD
Turbidity (Field)	**220.27**	NTU			1			11/16/2022 09:00	SUB	FIELD
Inorganic Results										
Alkalinity Total	**380**	mg/L	21	70	1			11/22/2022 11:26	BRB	EPA 310.2
Total Sulfide	<1.0	mg/L	1.0		1			11/21/2022 09:00	ATJ	SM 4500-S2F
Nitrate Nitrogen Total	<0.12	mg/L	0.12	0.4	1			11/17/2022 16:12	TMG	EPA 9056A
Total Chloride	**870**	mg/L	50	160	50			11/17/2022 16:32	TMG	EPA 9056A
Total Sulfate	**43**	mg/L	0.8	2.5	1			11/17/2022 16:12	TMG	EPA 9056A
Total Organic Carbon	**3.7**	mg/L	0.4	1.3	1			11/21/2022 10:52	TMG	EPA 9060A
Metals Results										
Total Iron	**9.14**	mg/L	0.033	0.11	1		11/17/2022 14:12	11/18/2022 16:50	NAH	EPA 6010C
Total Manganese	**324**	ug/L	1.5	5.0	1		11/17/2022 14:12	11/18/2022 16:50	NAH	EPA 6010C
Organic Results										
Ethane	<0.38	ug/L	0.38	1.3	1		11/21/2022 07:10	11/21/2022 08:30	DGS	RSK 175
Ethene	<0.59	ug/L	0.59	2.0	1		11/21/2022 07:10	11/21/2022 08:30	DGS	RSK 175
Methane	**29**	ug/L	4.5	15	10		11/21/2022 07:10	11/21/2022 08:34	DGS	RSK 175
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			11/21/2022 16:22	RLD	EPA 8260C
1,1,1-Trichloroethane	**0.13**	ug/L	0.013	0.10	1			11/21/2022 16:22	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			11/21/2022 16:22	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			11/21/2022 16:22	RLD	EPA 8260C

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

CT LAB Sample#: 1264837 Sample Description: MW-105S License/Well #: 04189/043 Sampled: 11/16/2022 09:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,1-Dichloroethane	**2.5**	ug/L	0.017	0.10	1			11/21/2022 16:22	RLD	EPA 8260C
1,1-Dichloroethene	**0.79**	ug/L	0.024	0.10	1			11/21/2022 16:22	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			11/21/2022 16:22	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			11/21/2022 16:22	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			11/21/2022 16:22	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			11/21/2022 16:22	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			11/21/2022 16:22	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			11/21/2022 16:22	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			11/21/2022 16:22	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			11/21/2022 16:22	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/21/2022 16:22	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			11/21/2022 16:22	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			11/21/2022 16:22	RLD	EPA 8260C
1,3-Dichlorobenzene	**0.055**	ug/L	0.013 *	0.10	1			11/21/2022 16:22	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			11/21/2022 16:22	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			11/21/2022 16:22	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			11/21/2022 16:22	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			11/21/2022 16:22	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			11/21/2022 16:22	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			11/21/2022 16:22	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			11/21/2022 16:22	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			11/21/2022 16:22	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			11/21/2022 16:22	RLD	EPA 8260C
Benzene	**0.041**	ug/L	0.022 *	0.10	1			11/21/2022 16:22	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			11/21/2022 16:22	RLD	EPA 8260C

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

CT LAB Sample#: 1264837 Sample Description: MW-105S License/Well #: 04189/043 Sampled: 11/16/2022 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			11/21/2022 16:22	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			11/21/2022 16:22	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			11/21/2022 16:22	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			11/21/2022 16:22	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			11/21/2022 16:22	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			11/21/2022 16:22	RLD	EPA 8260C
Chlorobenzene	**1.1**	ug/L	0.013	0.10	1			11/21/2022 16:22	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			11/21/2022 16:22	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			11/21/2022 16:22	RLD	EPA 8260C
Chloromethane	**0.067**	ug/L	0.045 *	0.20	1			11/21/2022 16:22	RLD	EPA 8260C
cis-1,2-Dichloroethene	**300**	ug/L	0.46	2.0	20			11/22/2022 11:16	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			11/21/2022 16:22	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			11/21/2022 16:22	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			11/21/2022 16:22	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			11/21/2022 16:22	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			11/21/2022 16:22	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			11/21/2022 16:22	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			11/21/2022 16:22	RLD	EPA 8260C
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1			11/21/2022 16:22	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1			11/21/2022 16:22	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			11/21/2022 16:22	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			11/21/2022 16:22	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/21/2022 16:22	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1			11/21/2022 16:22	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			11/21/2022 16:22	RLD	EPA 8260C

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

CT LAB Sample#: 1264837 Sample Description: MW-105S License/Well #: 04189/043 Sampled: 11/16/2022 09:00

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			11/21/2022 16:22	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			11/21/2022 16:22	RLD	EPA 8260C
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/21/2022 16:22	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			11/21/2022 16:22	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1			11/21/2022 16:22	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			11/21/2022 16:22	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			11/21/2022 16:22	RLD	EPA 8260C
Toluene	<0.020	ug/L	0.020	0.10	1			11/21/2022 16:22	RLD	EPA 8260C
trans-1,2-Dichloroethene	**3.1**	ug/L	0.020	0.10	1			11/21/2022 16:22	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			11/21/2022 16:22	RLD	EPA 8260C
Trichloroethene	**50**	ug/L	0.44	2.0	20			11/22/2022 11:16	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			11/21/2022 16:22	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			11/21/2022 16:22	RLD	EPA 8260C
Vinyl chloride	**1.4**	ug/L	0.019	0.10	1			11/21/2022 16:22	RLD	EPA 8260C
1,4-Dioxane	<7.0	ug/L	7.0	23	1			11/21/2022 16:22	RLD	EPA 8260C

CT LAB Sample#: 1264838 Sample Description: MW-105S License/Well #: 04189/043 Sampled: 11/16/2022 09:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Iron	**2.46**	mg/L	0.027	0.09	1			11/18/2022 20:37	NAH	EPA 6010C
Dissolved Manganese	**347**	ug/L	1.2	5.0	1			11/18/2022 20:37	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#: 1264839 Sample Description: MW-105D License/Well #: 04189/044 Sampled: 11/16/2022 09:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Dissolved Oxygen (Field)	**0.41**	mg/L			1			11/16/2022 09:30	SUB	FIELD
Depth to Groundwater (Field)	**3.02**	Feet			1			11/16/2022 09:30	SUB	FIELD
OX/REDOX (Field)	**38.2**	MV			1			11/16/2022 09:30	SUB	FIELD
Color (Field)	**CLEAR**		N/A	N/A	1			11/16/2022 09:30	SUB	FIELD
Conductivity (Field)	**1040.1**	umhos/cm			1			11/16/2022 09:30	SUB	FIELD
Odor (Field)	**NONE**		N/A	N/A	1			11/16/2022 09:30	SUB	FIELD
pH (Field)	**7.45**	S.U.			1			11/16/2022 09:30	SUB	FIELD
Temperature (Field)	**9.67**	Deg. C			1			11/16/2022 09:30	SUB	FIELD
Turbidity (Field)	**12.06**	NTU			1			11/16/2022 09:30	SUB	FIELD
Inorganic Results										
Alkalinity Total	**380**	mg/L	21	70	1			11/22/2022 11:27	BRB	EPA 310.2
Total Sulfide	<1.0	mg/L	1.0		1			11/21/2022 09:00	ATJ	SM 4500-S2F
Nitrate Nitrogen Total	<0.12	mg/L	0.12	0.4	1			11/17/2022 16:52	TMG	EPA 9056A
Total Chloride	**230**	mg/L	10	32	10			11/17/2022 17:13	TMG	EPA 9056A
Total Sulfate	**57**	mg/L	0.8	2.5	1			11/17/2022 16:52	TMG	EPA 9056A
Total Organic Carbon	**1.6**	mg/L	0.4	1.3	1			11/21/2022 11:04	TMG	EPA 9060A
Metals Results										
Total Iron	**2.93**	mg/L	0.033	0.11	1		11/17/2022 14:12	11/18/2022 16:57	NAH	EPA 6010C
Total Manganese	**73.0**	ug/L	1.5	5.0	1		11/17/2022 14:12	11/18/2022 16:57	NAH	EPA 6010C
Organic Results										
Ethane	<0.38	ug/L	0.38	1.3	1		11/21/2022 07:10	11/21/2022 08:38	DGS	RSK 175
Ethene	<0.59	ug/L	0.59	2.0	1		11/21/2022 07:10	11/21/2022 08:38	DGS	RSK 175
Methane	**12**	ug/L	0.45	1.5	1		11/21/2022 07:10	11/21/2022 08:38	DGS	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#: 1264839 Sample Description: MW-105D License/Well #: 04189/044 Sampled: 11/16/2022 09:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Volatile Organic Compounds 8260 Comments: Suspected methylene chloride laboratory background contamination.										
1,1,1,2-Tetrachloroethane	<0.13	ug/L	0.13	1.0	10			11/22/2022 11:45	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.13	ug/L	0.13	1.0	10			11/22/2022 11:45	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.15	ug/L	0.15	1.0	10			11/22/2022 11:45	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.36	ug/L	0.36	2.0	10			11/22/2022 11:45	RLD	EPA 8260C
1,1-Dichloroethane	**8.0**	ug/L	0.17	1.0	10			11/22/2022 11:45	RLD	EPA 8260C
1,1-Dichloroethene	**1.4**	ug/L	0.24	1.0	10			11/22/2022 11:45	RLD	EPA 8260C
1,1-Dichloropropene	<0.74	ug/L	0.74	2.0	10			11/22/2022 11:45	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.19	ug/L	0.19	1.0	10			11/22/2022 11:45	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.31	ug/L	0.31	2.0	10			11/22/2022 11:45	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.22	ug/L	0.22	1.0	10			11/22/2022 11:45	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.11	ug/L	0.11	1.0	10			11/22/2022 11:45	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<1.2	ug/L	1.2	4.0	10			11/22/2022 11:45	RLD	EPA 8260C
1,2-Dibromoethane	<0.29	ug/L	0.29	2.0	10			11/22/2022 11:45	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.16	ug/L	0.16	1.0	10			11/22/2022 11:45	RLD	EPA 8260C
1,2-Dichloroethane	<0.17	ug/L	0.17	1.0	10			11/22/2022 11:45	RLD	EPA 8260C
1,2-Dichloropropane	<0.13	ug/L	0.13	1.0	10			11/22/2022 11:45	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.13	ug/L	0.13	1.0	10			11/22/2022 11:45	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.13	ug/L	0.13	1.0	10			11/22/2022 11:45	RLD	EPA 8260C
1,3-Dichloropropane	<0.20	ug/L	0.20	1.0	10			11/22/2022 11:45	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.17	ug/L	0.17	1.0	10			11/22/2022 11:45	RLD	EPA 8260C
2,2-Dichloropropane	<0.75	ug/L	0.75	3.0	10			11/22/2022 11:45	RLD	EPA 8260C
2-Butanone	<3.1	ug/L	3.1	20	10			11/22/2022 11:45	RLD	EPA 8260C
2-Chlorotoluene	<0.20	ug/L	0.20	1.0	10			11/22/2022 11:45	RLD	EPA 8260C

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

CT LAB Sample#: 1264839 Sample Description: MW-105D License/Well #: 04189/044 Sampled: 11/16/2022 09:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Volatile Organic Compounds 8260 Comments: Suspected methylene chloride laboratory background contamination.										
2-Hexanone	<1.5	ug/L	1.5	10	10			11/22/2022 11:45	RLD	EPA 8260C
4-Chlorotoluene	<0.13	ug/L	0.13	1.0	10			11/22/2022 11:45	RLD	EPA 8260C
4-Methyl-2-pentanone	<1.9	ug/L	1.9	10	10			11/22/2022 11:45	RLD	EPA 8260C
Acetone	<8.4	ug/L	8.4	40	10			11/22/2022 11:45	RLD	EPA 8260C
Benzene	<0.22	ug/L	0.22	1.0	10			11/22/2022 11:45	RLD	EPA 8260C
Bromobenzene	<0.18	ug/L	0.18	1.0	10			11/22/2022 11:45	RLD	EPA 8260C
Bromochloromethane	<0.34	ug/L	0.34	2.0	10			11/22/2022 11:45	RLD	EPA 8260C
Bromodichloromethane	<0.19	ug/L	0.19	1.0	10			11/22/2022 11:45	RLD	EPA 8260C
Bromoform	<0.41	ug/L	0.41	2.0	10			11/22/2022 11:45	RLD	EPA 8260C
Bromomethane	<0.52	ug/L	0.52	2.0	10			11/22/2022 11:45	RLD	EPA 8260C
Carbon disulfide	<1.1	ug/L	1.1	4.0	10			11/22/2022 11:45	RLD	EPA 8260C
Carbon tetrachloride	<0.18	ug/L	0.18	1.0	10			11/22/2022 11:45	RLD	EPA 8260C
Chlorobenzene	<0.13	ug/L	0.13	1.0	10			11/22/2022 11:45	RLD	EPA 8260C
Chloroethane	<4.0	ug/L	4.0	15	10			11/22/2022 11:45	RLD	EPA 8260C
Chloroform	<0.16	ug/L	0.16	1.0	10			11/22/2022 11:45	RLD	EPA 8260C
Chloromethane	<0.45	ug/L	0.45	2.0	10			11/22/2022 11:45	RLD	EPA 8260C
cis-1,2-Dichloroethene	**110**	ug/L	0.23	1.0	10			11/22/2022 11:45	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.14	ug/L	0.14	1.0	10			11/22/2022 11:45	RLD	EPA 8260C
Dibromochloromethane	<0.16	ug/L	0.16	1.0	10			11/22/2022 11:45	RLD	EPA 8260C
Dibromomethane	<0.18	ug/L	0.18	1.0	10			11/22/2022 11:45	RLD	EPA 8260C
Dichlorodifluoromethane	<0.91	ug/L	0.91	3.0	10			11/22/2022 11:45	RLD	EPA 8260C
Diisopropyl ether	<0.2	ug/L	0.2	1	10			11/22/2022 11:45	RLD	EPA 8260C
Ethylbenzene	<0.14	ug/L	0.14	1.0	10			11/22/2022 11:45	RLD	EPA 8260C

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

CT LAB Sample#: 1264839 Sample Description: MW-105D License/Well #: 04189/044 Sampled: 11/16/2022 09:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Volatile Organic Compounds 8260 Comments: Suspected methylene chloride laboratory background contamination.										
Hexachlorobutadiene	<0.27	ug/L	0.27	2.0	10			11/22/2022 11:45	RLD	EPA 8260C
Isopropylbenzene	<0.20	ug/L	0.20	1.0	10			11/22/2022 11:45	RLD	EPA 8260C
m & p-Xylene	<0.30	ug/L	0.30	2.0	10			11/22/2022 11:45	RLD	EPA 8260C
Methyl tert-butyl ether	<0.14	ug/L	0.14	1.0	10			11/22/2022 11:45	RLD	EPA 8260C
Methylene chloride	**1.6**	ug/L	0.90 *	4.0	10			11/22/2022 11:45	RLD	EPA 8260C
n-Butylbenzene	<0.21	ug/L	0.21	1.0	10			11/22/2022 11:45	RLD	EPA 8260C
n-Propylbenzene	<0.20	ug/L	0.20	1.0	10			11/22/2022 11:45	RLD	EPA 8260C
Naphthalene	<0.25	ug/L	0.25	1.0	10			11/22/2022 11:45	RLD	EPA 8260C
o-Xylene	<0.16	ug/L	0.16	1.0	10			11/22/2022 11:45	RLD	EPA 8260C
p-Isopropyltoluene	<0.16	ug/L	0.16	1.0	10			11/22/2022 11:45	RLD	EPA 8260C
sec-Butylbenzene	<0.21	ug/L	0.21	1.0	10			11/22/2022 11:45	RLD	EPA 8260C
Styrene	<0.14	ug/L	0.14	1.0	10			11/22/2022 11:45	RLD	EPA 8260C
tert-Butylbenzene	<0.20	ug/L	0.20	1.0	10			11/22/2022 11:45	RLD	EPA 8260C
Tetrachloroethene	<0.28	ug/L	0.28	2.0	10			11/22/2022 11:45	RLD	EPA 8260C
Tetrahydrofuran	<3.8	ug/L	3.8	20	10			11/22/2022 11:45	RLD	EPA 8260C
Toluene	<0.20	ug/L	0.20	1.0	10			11/22/2022 11:45	RLD	EPA 8260C
trans-1,2-Dichloroethene	**8.3**	ug/L	0.20	1.0	10			11/22/2022 11:45	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.20	ug/L	0.20	1.0	10			11/22/2022 11:45	RLD	EPA 8260C
Trichloroethene	**2.2**	ug/L	0.22	1.0	10			11/22/2022 11:45	RLD	EPA 8260C
Trichlorofluoromethane	<0.33	ug/L	0.33	2.0	10			11/22/2022 11:45	RLD	EPA 8260C
Vinyl acetate	<1.4	ug/L	1.4	10	10			11/22/2022 11:45	RLD	EPA 8260C
Vinyl chloride	**6.0**	ug/L	0.19	1.0	10			11/22/2022 11:45	RLD	EPA 8260C
1,4-Dioxane	<70	ug/L	70	230	10			11/22/2022 11:45	RLD	EPA 8260C

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

CT LAB Sample#: 1264840 Sample Description: MW-105D License/Well #: 04189/044 Sampled: 11/16/2022 09:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Iron	**2.17**	mg/L	0.027	0.09	1			11/18/2022 21:05	NAH	EPA 6010C
Dissolved Manganese	**129**	ug/L	1.2	5.0	1			11/18/2022 21:05	NAH	EPA 6010C

CT LAB Sample#: 1264841 Sample Description: MW-105B License/Well #: 04189/045 Sampled: 11/16/2022 10:15

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Dissolved Oxygen (Field)	**0.13**	mg/L			1			11/16/2022 10:15	SUB	FIELD
Depth to Groundwater (Field)	**3.96**	Feet			1			11/16/2022 10:15	SUB	FIELD
OX/REDOX (Field)	-83.3	MV			1			11/16/2022 10:15	SUB	FIELD
Color (Field)	**CLEAR**		N/A	N/A	1			11/16/2022 10:15	SUB	FIELD
Conductivity (Field)	**640.87**	umhos/cm			1			11/16/2022 10:15	SUB	FIELD
Odor (Field)	**NONE**		N/A	N/A	1			11/16/2022 10:15	SUB	FIELD
pH (Field)	**7.69**	S.U.			1			11/16/2022 10:15	SUB	FIELD
Temperature (Field)	**10.08**	Deg. C			1			11/16/2022 10:15	SUB	FIELD
Turbidity (Field)	**21.35**	NTU			1			11/16/2022 10:15	SUB	FIELD
Inorganic Results										
Alkalinity Total	**340**	mg/L	21	70	1			11/22/2022 11:28	BRB	EPA 310.2
Total Sulfide	<1.0	mg/L	1.0		1			11/21/2022 09:00	ATJ	SM 4500-S2F
Nitrate Nitrogen Total	**0.34**	mg/L	0.12 *	0.4	1			11/17/2022 17:33	TMG	EPA 9056A
Total Chloride	**74**	mg/L	10	32	10			11/17/2022 17:53	TMG	EPA 9056A
Total Sulfate	**1.5**	mg/L	0.8 *	2.5	1			11/17/2022 17:33	TMG	EPA 9056A
Total Organic Carbon	**0.73**	mg/L	0.4 *	1.3	1			11/21/2022 11:15	TMG	EPA 9060A

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

CT LAB Sample#: 1264841 Sample Description: MW-105B License/Well #: 04189/045 Sampled: 11/16/2022 10:15

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Total Iron	**2.52**	mg/L	0.033	0.11	1		11/17/2022 14:12	11/18/2022 17:05	NAH	EPA 6010C
Total Manganese	**238**	ug/L	1.5	5.0	1		11/17/2022 14:12	11/18/2022 17:05	NAH	EPA 6010C
Organic Results										
Ethane	<0.38	ug/L	0.38	1.3	1		11/21/2022 07:10	11/21/2022 08:42	DGS	RSK 175
Ethene	<0.59	ug/L	0.59	2.0	1		11/21/2022 07:10	11/21/2022 08:42	DGS	RSK 175
Methane	**430**	ug/L	23	75	50		11/21/2022 07:10	11/21/2022 08:54	DGS	RSK 175
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			11/22/2022 10:48	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			11/22/2022 10:48	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			11/22/2022 10:48	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			11/22/2022 10:48	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/22/2022 10:48	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			11/22/2022 10:48	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			11/22/2022 10:48	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			11/22/2022 10:48	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			11/22/2022 10:48	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			11/22/2022 10:48	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			11/22/2022 10:48	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			11/22/2022 10:48	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			11/22/2022 10:48	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			11/22/2022 10:48	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/22/2022 10:48	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			11/22/2022 10:48	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			11/22/2022 10:48	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#: 1264841 Sample Description: MW-105B License/Well #: 04189/045 Sampled: 11/16/2022 10:15

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichlorobenzene	**0.071**	ug/L	0.013 *	0.10	1			11/22/2022 10:48	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			11/22/2022 10:48	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			11/22/2022 10:48	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			11/22/2022 10:48	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			11/22/2022 10:48	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			11/22/2022 10:48	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			11/22/2022 10:48	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			11/22/2022 10:48	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			11/22/2022 10:48	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			11/22/2022 10:48	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			11/22/2022 10:48	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			11/22/2022 10:48	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			11/22/2022 10:48	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			11/22/2022 10:48	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			11/22/2022 10:48	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			11/22/2022 10:48	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			11/22/2022 10:48	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			11/22/2022 10:48	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			11/22/2022 10:48	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			11/22/2022 10:48	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			11/22/2022 10:48	RLD	EPA 8260C
Chloromethane	**0.052**	ug/L	0.045 *	0.20	1			11/22/2022 10:48	RLD	EPA 8260C
cis-1,2-Dichloroethene	**0.12**	ug/L	0.023	0.10	1			11/22/2022 10:48	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			11/22/2022 10:48	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			11/22/2022 10:48	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#: 1264841 Sample Description: MW-105B License/Well #: 04189/045 Sampled: 11/16/2022 10:15

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			11/22/2022 10:48	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			11/22/2022 10:48	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			11/22/2022 10:48	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			11/22/2022 10:48	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			11/22/2022 10:48	RLD	EPA 8260C
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1			11/22/2022 10:48	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1			11/22/2022 10:48	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			11/22/2022 10:48	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			11/22/2022 10:48	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/22/2022 10:48	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1			11/22/2022 10:48	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			11/22/2022 10:48	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			11/22/2022 10:48	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			11/22/2022 10:48	RLD	EPA 8260C
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/22/2022 10:48	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			11/22/2022 10:48	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1			11/22/2022 10:48	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			11/22/2022 10:48	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			11/22/2022 10:48	RLD	EPA 8260C
Toluene	<0.020	ug/L	0.020	0.10	1			11/22/2022 10:48	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			11/22/2022 10:48	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			11/22/2022 10:48	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			11/22/2022 10:48	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			11/22/2022 10:48	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			11/22/2022 10:48	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#: 1264841 Sample Description: MW-105B License/Well #: 04189/045 Sampled: 11/16/2022 10:15

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			11/22/2022 10:48	RLD	EPA 8260C
1,4-Dioxane	<7.0	ug/L	7.0	23	1			11/22/2022 10:48	RLD	EPA 8260C

CT LAB Sample#: 1264842 Sample Description: MW-105B License/Well #: 04189/045 Sampled: 11/16/2022 10:15

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Iron	**2.52**	mg/L	0.027	0.09	1			11/18/2022 21:12	NAH	EPA 6010C
Dissolved Manganese	**241**	ug/L	1.2	5.0	1			11/18/2022 21:12	NAH	EPA 6010C

CT LAB Sample#: 1264843 Sample Description: DUP-A License/Well #: 04189/045 Sampled: 11/16/2022 10:15

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Alkalinity Total	**340**	mg/L	21	70	1			11/22/2022 11:29	BRB	EPA 310.2
Total Sulfide	<1.0	mg/L	1.0		1			11/21/2022 09:00	ATJ	SM 4500-S2F
Nitrate Nitrogen Total	**0.15**	mg/L	0.12 *	0.4	1			11/17/2022 18:54	TMG	EPA 9056A
Total Chloride	**79**	mg/L	10	32	10			11/17/2022 19:14	TMG	EPA 9056A
Total Sulfate	**1.2**	mg/L	0.8 *	2.5	1			11/17/2022 18:54	TMG	EPA 9056A
Total Organic Carbon	**0.71**	mg/L	0.4 *	1.3	1			11/21/2022 11:26	TMG	EPA 9060A
Metals Results										
Total Iron	**2.55**	mg/L	0.033	0.11	1		11/17/2022 14:12	11/18/2022 17:13	NAH	EPA 6010C
Total Manganese	**242**	ug/L	1.5	5.0	1		11/17/2022 14:12	11/18/2022 17:13	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#: 1264843 Sample Description: DUP-A License/Well #: 04189/045 Sampled: 11/16/2022 10:15

Analyte	Result	Units	LOD		LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
Ethane	<0.38	ug/L	0.38		1.3	1		11/21/2022 07:10	11/21/2022 08:59	DGS	RSK 175
Ethene	<0.59	ug/L	0.59		2.0	1		11/21/2022 07:10	11/21/2022 08:59	DGS	RSK 175
Methane	**250**	ug/L	23		75	50		11/21/2022 07:10	11/21/2022 09:08	DGS	RSK 175
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013		0.10	1			11/23/2022 14:43	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013		0.10	1			11/23/2022 14:43	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015		0.10	1			11/23/2022 14:43	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036		0.20	1			11/23/2022 14:43	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017		0.10	1			11/23/2022 14:43	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024		0.10	1			11/23/2022 14:43	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074		0.20	1			11/23/2022 14:43	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019		0.10	1			11/23/2022 14:43	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031		0.20	1			11/23/2022 14:43	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022		0.10	1			11/23/2022 14:43	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011		0.10	1			11/23/2022 14:43	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12		0.40	1			11/23/2022 14:43	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029		0.20	1			11/23/2022 14:43	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016		0.10	1			11/23/2022 14:43	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017		0.10	1			11/23/2022 14:43	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013		0.10	1			11/23/2022 14:43	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013		0.10	1			11/23/2022 14:43	RLD	EPA 8260C
1,3-Dichlorobenzene	**0.083**	ug/L	0.013	*	0.10	1			11/23/2022 14:43	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020		0.10	1			11/23/2022 14:43	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017		0.10	1			11/23/2022 14:43	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075		0.30	1	Y		11/23/2022 14:43	RLD	EPA 8260C

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

CT LAB Sample#: 1264843 Sample Description: DUP-A License/Well #: 04189/045 Sampled: 11/16/2022 10:15

Analyte	Result	Units	LOD		LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2-Butanone	<0.31	ug/L	0.31		2.0	1			11/23/2022 14:43	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020		0.10	1			11/23/2022 14:43	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15		1.0	1			11/23/2022 14:43	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013		0.10	1			11/23/2022 14:43	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19		1.0	1			11/23/2022 14:43	RLD	EPA 8260C
Acetone	**1.1**	ug/L	0.84	*	4.0	1	B		11/23/2022 14:43	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022		0.10	1			11/23/2022 14:43	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018		0.10	1			11/23/2022 14:43	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034		0.20	1			11/23/2022 14:43	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019		0.10	1			11/23/2022 14:43	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041		0.20	1	Y		11/23/2022 14:43	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052		0.20	1	Y		11/23/2022 14:43	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11		0.40	1			11/23/2022 14:43	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018		0.10	1			11/23/2022 14:43	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013		0.10	1			11/23/2022 14:43	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40		1.5	1			11/23/2022 14:43	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016		0.10	1			11/23/2022 14:43	RLD	EPA 8260C
Chloromethane	**0.28**	ug/L	0.045		0.20	1	B		11/23/2022 14:43	RLD	EPA 8260C
cis-1,2-Dichloroethene	**0.13**	ug/L	0.023		0.10	1			11/23/2022 14:43	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014		0.10	1			11/23/2022 14:43	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016		0.10	1			11/23/2022 14:43	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018		0.10	1			11/23/2022 14:43	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091		0.30	1			11/23/2022 14:43	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02		0.1	1			11/23/2022 14:43	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014		0.10	1			11/23/2022 14:43	RLD	EPA 8260C

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

CT LAB Sample#: 1264843 Sample Description: DUP-A License/Well #: 04189/045 Sampled: 11/16/2022 10:15

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			11/23/2022 14:43	RLD	EPA 8260C
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1			11/23/2022 14:43	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1			11/23/2022 14:43	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			11/23/2022 14:43	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			11/23/2022 14:43	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/23/2022 14:43	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1			11/23/2022 14:43	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			11/23/2022 14:43	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			11/23/2022 14:43	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			11/23/2022 14:43	RLD	EPA 8260C
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/23/2022 14:43	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			11/23/2022 14:43	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1			11/23/2022 14:43	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			11/23/2022 14:43	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			11/23/2022 14:43	RLD	EPA 8260C
Toluene	<0.020	ug/L	0.020	0.10	1			11/23/2022 14:43	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			11/23/2022 14:43	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			11/23/2022 14:43	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			11/23/2022 14:43	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			11/23/2022 14:43	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1	Y		11/23/2022 14:43	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			11/23/2022 14:43	RLD	EPA 8260C
1,4-Dioxane	<7.0	ug/L	7.0	23	1			11/23/2022 14:43	RLD	EPA 8260C

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

CT LAB Sample#: 1264844 Sample Description: DUP-A License/Well #: 04189/045 Sampled: 11/16/2022 10:15

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Iron	**2.56**	mg/L	0.027	0.09	1			11/18/2022 21:20	NAH	EPA 6010C
Dissolved Manganese	**244**	ug/L	1.2	5.0	1			11/18/2022 21:20	NAH	EPA 6010C

CT LAB Sample#: 1264845 Sample Description: MW-16S License/Well #: 04189/026 Sampled: 11/16/2022 11:45

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Dissolved Oxygen (Field)	**0.45**	mg/L			1			11/16/2022 11:45	SUB	FIELD
Depth to Groundwater (Field)	**2.94**	Feet			1			11/16/2022 11:45	SUB	FIELD
OX/REDOX (Field)	-9	MV			1			11/16/2022 11:45	SUB	FIELD
Color (Field)	**CLEAR**		N/A	N/A	1			11/16/2022 11:45	SUB	FIELD
Conductivity (Field)	**638.58**	umhos/cm			1			11/16/2022 11:45	SUB	FIELD
Odor (Field)	**NONE**		N/A	N/A	1			11/16/2022 11:45	SUB	FIELD
pH (Field)	**7.69**	S.U.			1			11/16/2022 11:45	SUB	FIELD
Temperature (Field)	**10.17**	Deg. C			1			11/16/2022 11:45	SUB	FIELD
Turbidity (Field)	**7.33**	NTU			1			11/16/2022 11:45	SUB	FIELD
Inorganic Results										
Alkalinity Total	**330**	mg/L	21	70	1			11/22/2022 11:34	BRB	EPA 310.2
Total Sulfide	<1.0	mg/L	1.0		1			11/21/2022 09:00	ATJ	SM 4500-S2F
Nitrate Nitrogen Total	<0.12	mg/L	0.12	0.4	1			11/17/2022 19:34	TMG	EPA 9056A
Total Chloride	**79**	mg/L	10	32	10			11/17/2022 19:54	TMG	EPA 9056A
Total Sulfate	<0.8	mg/L	0.8	2.5	1			11/17/2022 19:34	TMG	EPA 9056A
Total Organic Carbon	**0.76**	mg/L	0.4 *	1.3	1			11/21/2022 11:37	TMG	EPA 9060A

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

CT LAB Sample#: 1264845 Sample Description: MW-16S License/Well #: 04189/026 Sampled: 11/16/2022 11:45

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Total Iron	**2.57**	mg/L	0.033	0.11	1		11/17/2022 14:12	11/18/2022 17:20	NAH	EPA 6010C
Total Manganese	**240**	ug/L	1.5	5.0	1		11/17/2022 14:12	11/18/2022 17:20	NAH	EPA 6010C
Organic Results										
Ethane	<0.38	ug/L	0.38	1.3	1		11/21/2022 07:10	11/21/2022 09:15	DGS	RSK 175
Ethene	<0.59	ug/L	0.59	2.0	1		11/21/2022 07:10	11/21/2022 09:15	DGS	RSK 175
Methane	**1300**	ug/L	45	150	100		11/21/2022 07:10	11/21/2022 09:32	DGS	RSK 175
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			11/24/2022 05:28	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			11/24/2022 05:28	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			11/24/2022 05:28	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			11/24/2022 05:28	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/24/2022 05:28	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			11/24/2022 05:28	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			11/24/2022 05:28	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			11/24/2022 05:28	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			11/24/2022 05:28	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			11/24/2022 05:28	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			11/24/2022 05:28	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			11/24/2022 05:28	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			11/24/2022 05:28	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			11/24/2022 05:28	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/24/2022 05:28	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			11/24/2022 05:28	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			11/24/2022 05:28	RLD	EPA 8260C

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

CT LAB Sample#: 1264845 Sample Description: MW-16S License/Well #: 04189/026 Sampled: 11/16/2022 11:45

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			11/24/2022 05:28	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			11/24/2022 05:28	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			11/24/2022 05:28	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1	Y		11/24/2022 05:28	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			11/24/2022 05:28	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			11/24/2022 05:28	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			11/24/2022 05:28	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			11/24/2022 05:28	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			11/24/2022 05:28	RLD	EPA 8260C
Acetone	**0.98**	ug/L	0.84 *	4.0	1	B		11/24/2022 05:28	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			11/24/2022 05:28	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			11/24/2022 05:28	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			11/24/2022 05:28	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			11/24/2022 05:28	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1	Y		11/24/2022 05:28	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1	Y,Z		11/24/2022 05:28	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			11/24/2022 05:28	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			11/24/2022 05:28	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			11/24/2022 05:28	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			11/24/2022 05:28	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			11/24/2022 05:28	RLD	EPA 8260C
Chloromethane	**0.100**	ug/L	0.045 *	0.20	1	B		11/24/2022 05:28	RLD	EPA 8260C
cis-1,2-Dichloroethene	**0.15**	ug/L	0.023	0.10	1			11/24/2022 05:28	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			11/24/2022 05:28	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			11/24/2022 05:28	RLD	EPA 8260C

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

CT LAB Sample#: 1264845 Sample Description: MW-16S License/Well #: 04189/026 Sampled: 11/16/2022 11:45

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			11/24/2022 05:28	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			11/24/2022 05:28	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			11/24/2022 05:28	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			11/24/2022 05:28	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			11/24/2022 05:28	RLD	EPA 8260C
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1			11/24/2022 05:28	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1			11/24/2022 05:28	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			11/24/2022 05:28	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			11/24/2022 05:28	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/24/2022 05:28	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1			11/24/2022 05:28	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			11/24/2022 05:28	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			11/24/2022 05:28	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			11/24/2022 05:28	RLD	EPA 8260C
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/24/2022 05:28	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			11/24/2022 05:28	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1			11/24/2022 05:28	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			11/24/2022 05:28	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			11/24/2022 05:28	RLD	EPA 8260C
Toluene	<0.020	ug/L	0.020	0.10	1			11/24/2022 05:28	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			11/24/2022 05:28	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			11/24/2022 05:28	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			11/24/2022 05:28	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			11/24/2022 05:28	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1	Y		11/24/2022 05:28	RLD	EPA 8260C

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

CT LAB Sample#: 1264845 Sample Description: MW-16S License/Well #: 04189/026 Sampled: 11/16/2022 11:45

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			11/24/2022 05:28	RLD	EPA 8260C
1,4-Dioxane	<7.0	ug/L	7.0	23	1			11/24/2022 05:28	RLD	EPA 8260C

CT LAB Sample#: 1264846 Sample Description: MW-16S License/Well #: 04189/026 Sampled: 11/16/2022 11:45

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Iron	**2.56**	mg/L	0.027	0.09	1			11/18/2022 21:28	NAH	EPA 6010C
Dissolved Manganese	**244**	ug/L	1.2	5.0	1			11/18/2022 21:28	NAH	EPA 6010C

CT LAB Sample#: 1264847 Sample Description: MW-101S License/Well #: 04189/035 Sampled: 11/16/2022 12:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Dissolved Oxygen (Field)	**3.9**	mg/L			1			11/16/2022 12:30	SUB	FIELD
Depth to Groundwater (Field)	**3.74**	Feet			1			11/16/2022 12:30	SUB	FIELD
OX/REDOX (Field)	**27.2**	MV			1			11/16/2022 12:30	SUB	FIELD
Color (Field)	**CLEAR**		N/A	N/A	1			11/16/2022 12:30	SUB	FIELD
Conductivity (Field)	**483.97**	umhos/cm			1			11/16/2022 12:30	SUB	FIELD
Odor (Field)	**NONE**		N/A	N/A	1			11/16/2022 12:30	SUB	FIELD
pH (Field)	**7.31**	S.U.			1			11/16/2022 12:30	SUB	FIELD
Temperature (Field)	**13.43**	Deg. C			1			11/16/2022 12:30	SUB	FIELD
Turbidity (Field)	**18.57**	NTU			1			11/16/2022 12:30	SUB	FIELD

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CT LAB Sample#: 1264847 Sample Description: MW-101S License/Well #: 04189/035 Sampled: 11/16/2022 12:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Alkalinity Total	**170**	mg/L	21	70	1			11/22/2022 11:38	BRB	EPA 310.2
Total Sulfide	<1.0	mg/L	1.0		1			11/21/2022 09:00	ATJ	SM 4500-S2F
Nitrate Nitrogen Total	**0.63**	mg/L	0.12	0.4	1			11/17/2022 20:14	TMG	EPA 9056A
Total Chloride	**66**	mg/L	5.0	16	5			11/23/2022 10:48	TMG	EPA 9056A
Total Sulfate	**11**	mg/L	0.8	2.5	1			11/17/2022 20:14	TMG	EPA 9056A
Total Organic Carbon	**5.2**	mg/L	0.4	1.3	1			11/21/2022 13:29	TMG	EPA 9060A
Metals Results										
Total Iron	**1.25**	mg/L	0.033	0.11	1		11/17/2022 14:12	11/18/2022 17:28	NAH	EPA 6010C
Total Manganese	**218**	ug/L	1.5	5.0	1		11/17/2022 14:12	11/18/2022 17:28	NAH	EPA 6010C
Organic Results										
Ethane	<0.38	ug/L	0.38	1.3	1		11/21/2022 07:10	11/21/2022 10:10	DGS	RSK 175
Ethene	<0.59	ug/L	0.59	2.0	1		11/21/2022 07:10	11/21/2022 10:10	DGS	RSK 175
Methane	<0.45	ug/L	0.45	1.5	1		11/21/2022 07:10	11/21/2022 10:10	DGS	RSK 175
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			11/23/2022 15:11	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			11/23/2022 15:11	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			11/23/2022 15:11	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			11/23/2022 15:11	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/23/2022 15:11	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			11/23/2022 15:11	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			11/23/2022 15:11	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			11/23/2022 15:11	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			11/23/2022 15:11	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			11/23/2022 15:11	RLD	EPA 8260C

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

CT LAB Sample#: 1264847 Sample Description: MW-101S License/Well #: 04189/035 Sampled: 11/16/2022 12:30

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			11/23/2022 15:11	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			11/23/2022 15:11	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			11/23/2022 15:11	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			11/23/2022 15:11	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/23/2022 15:11	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			11/23/2022 15:11	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			11/23/2022 15:11	RLD	EPA 8260C
1,3-Dichlorobenzene	**0.030**	ug/L	0.013 *	0.10	1			11/23/2022 15:11	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			11/23/2022 15:11	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			11/23/2022 15:11	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1	Y		11/23/2022 15:11	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			11/23/2022 15:11	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			11/23/2022 15:11	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			11/23/2022 15:11	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			11/23/2022 15:11	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			11/23/2022 15:11	RLD	EPA 8260C
Acetone	**1.4**	ug/L	0.84 *	4.0	1	B		11/23/2022 15:11	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			11/23/2022 15:11	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			11/23/2022 15:11	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			11/23/2022 15:11	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			11/23/2022 15:11	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1	Y		11/23/2022 15:11	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1	Y		11/23/2022 15:11	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			11/23/2022 15:11	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			11/23/2022 15:11	RLD	EPA 8260C

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CT LAB Sample#: 1264847 Sample Description: MW-101S License/Well #: 04189/035 Sampled: 11/16/2022 12:30

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			11/23/2022 15:11	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			11/23/2022 15:11	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			11/23/2022 15:11	RLD	EPA 8260C
Chloromethane	**0.26**	ug/L	0.045	0.20	1	B		11/23/2022 15:11	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1			11/23/2022 15:11	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			11/23/2022 15:11	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			11/23/2022 15:11	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			11/23/2022 15:11	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			11/23/2022 15:11	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			11/23/2022 15:11	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			11/23/2022 15:11	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			11/23/2022 15:11	RLD	EPA 8260C
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1			11/23/2022 15:11	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1			11/23/2022 15:11	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			11/23/2022 15:11	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			11/23/2022 15:11	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/23/2022 15:11	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1			11/23/2022 15:11	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			11/23/2022 15:11	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			11/23/2022 15:11	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			11/23/2022 15:11	RLD	EPA 8260C
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/23/2022 15:11	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			11/23/2022 15:11	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1			11/23/2022 15:11	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			11/23/2022 15:11	RLD	EPA 8260C

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

CT LAB Sample#: 1264847 Sample Description: MW-101S License/Well #: 04189/035 Sampled: 11/16/2022 12:30

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			11/23/2022 15:11	RLD	EPA 8260C
Toluene	<0.020	ug/L	0.020	0.10	1			11/23/2022 15:11	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			11/23/2022 15:11	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			11/23/2022 15:11	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			11/23/2022 15:11	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			11/23/2022 15:11	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1	Y		11/23/2022 15:11	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			11/23/2022 15:11	RLD	EPA 8260C
1,4-Dioxane	<7.0	ug/L	7.0	23	1			11/23/2022 15:11	RLD	EPA 8260C

CT LAB Sample#: 1264848 Sample Description: MW-101S License/Well #: 04189/035 Sampled: 11/16/2022 12:30

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			11/18/2022 21:36	NAH	EPA 6010C
Dissolved Manganese	<1.2	ug/L	1.2	5.0	1			11/18/2022 21:36	NAH	EPA 6010C

CT LAB Sample#: 1264849 Sample Description: MW-101B License/Well #: 04189/036 Sampled: 11/16/2022 13:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Dissolved Oxygen (Field)	**0.62**	mg/L			1			11/16/2022 13:00	SUB	FIELD
Depth to Groundwater (Field)	**4.37**	Feet			1			11/16/2022 13:00	SUB	FIELD
OX/REDOX (Field)	**54.3**	MV			1			11/16/2022 13:00	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#: 1264849 Sample Description: MW-101B License/Well #: 04189/036 Sampled: 11/16/2022 13:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Color (Field)	**CLEAR**		N/A	N/A	1			11/16/2022 13:00	SUB	FIELD
Conductivity (Field)	**836.04**	umhos/cm			1			11/16/2022 13:00	SUB	FIELD
Odor (Field)	**NONE**		N/A	N/A	1			11/16/2022 13:00	SUB	FIELD
pH (Field)	**7.39**	S.U.			1			11/16/2022 13:00	SUB	FIELD
Temperature (Field)	**11.81**	Deg. C			1			11/16/2022 13:00	SUB	FIELD
Turbidity (Field)	**11.32**	NTU			1			11/16/2022 13:00	SUB	FIELD
Inorganic Results										
Alkalinity Total	**330**	mg/L	21	70	1			11/22/2022 11:39	BRB	EPA 310.2
Total Sulfide	<1.0	mg/L	1.0		1			11/21/2022 09:00	ATJ	SM 4500-S2F
Nitrate Nitrogen Total	<0.12	mg/L	0.12	0.4	1			11/17/2022 20:55	TMG	EPA 9056A
Total Chloride	**160**	mg/L	5.0	16	5			11/17/2022 21:15	TMG	EPA 9056A
Total Sulfate	**39**	mg/L	0.8	2.5	1			11/17/2022 20:55	TMG	EPA 9056A
Total Organic Carbon	**1.3**	mg/L	0.4	1.3	1			11/21/2022 14:19	TMG	EPA 9060A
Metals Results										
Total Iron	**0.0413**	mg/L	0.033 *	0.11	1		11/17/2022 14:12	11/18/2022 17:56	NAH	EPA 6010C
Total Manganese	**81.5**	ug/L	1.5	5.0	1		11/17/2022 14:12	11/18/2022 17:56	NAH	EPA 6010C
Organic Results										
Ethane	<0.38	ug/L	0.38	1.3	1		11/21/2022 07:10	11/21/2022 10:14	DGS	RSK 175
Ethene	<0.59	ug/L	0.59	2.0	1		11/21/2022 07:10	11/21/2022 10:14	DGS	RSK 175
Methane	**13**	ug/L	2.3	7.5	5		11/21/2022 07:10	11/21/2022 10:22	DGS	RSK 175
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			11/23/2022 15:39	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			11/23/2022 15:39	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			11/23/2022 15:39	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			11/23/2022 15:39	RLD	EPA 8260C

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

CT LAB Sample#: 1264849 Sample Description: MW-101B License/Well #: 04189/036 Sampled: 11/16/2022 13:00

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			11/23/2022 15:39	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024		0.10	1			11/23/2022 15:39	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074		0.20	1			11/23/2022 15:39	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019		0.10	1			11/23/2022 15:39	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031		0.20	1			11/23/2022 15:39	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022		0.10	1			11/23/2022 15:39	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011		0.10	1			11/23/2022 15:39	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12		0.40	1			11/23/2022 15:39	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029		0.20	1			11/23/2022 15:39	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016		0.10	1			11/23/2022 15:39	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017		0.10	1			11/23/2022 15:39	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013		0.10	1			11/23/2022 15:39	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013		0.10	1			11/23/2022 15:39	RLD	EPA 8260C
1,3-Dichlorobenzene	**0.066**	ug/L	0.013	*	0.10	1			11/23/2022 15:39	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020		0.10	1			11/23/2022 15:39	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017		0.10	1			11/23/2022 15:39	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075		0.30	1	Y		11/23/2022 15:39	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31		2.0	1			11/23/2022 15:39	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020		0.10	1			11/23/2022 15:39	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15		1.0	1			11/23/2022 15:39	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013		0.10	1			11/23/2022 15:39	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19		1.0	1			11/23/2022 15:39	RLD	EPA 8260C
Acetone	**0.94**	ug/L	0.84	*	4.0	1	B		11/23/2022 15:39	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022		0.10	1			11/23/2022 15:39	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018		0.10	1			11/23/2022 15:39	RLD	EPA 8260C

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

CT LAB Sample#: 1264849 Sample Description: MW-101B License/Well #: 04189/036 Sampled: 11/16/2022 13:00

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			11/23/2022 15:39	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			11/23/2022 15:39	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1	Y		11/23/2022 15:39	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1	Y		11/23/2022 15:39	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			11/23/2022 15:39	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			11/23/2022 15:39	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			11/23/2022 15:39	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			11/23/2022 15:39	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			11/23/2022 15:39	RLD	EPA 8260C
Chloromethane	**0.27**	ug/L	0.045	0.20	1	B		11/23/2022 15:39	RLD	EPA 8260C
cis-1,2-Dichloroethene	**0.40**	ug/L	0.023	0.10	1			11/23/2022 15:39	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			11/23/2022 15:39	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			11/23/2022 15:39	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			11/23/2022 15:39	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			11/23/2022 15:39	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			11/23/2022 15:39	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			11/23/2022 15:39	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			11/23/2022 15:39	RLD	EPA 8260C
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1			11/23/2022 15:39	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1			11/23/2022 15:39	RLD	EPA 8260C
Methyl tert-butyl ether	**0.21**	ug/L	0.014	0.10	1			11/23/2022 15:39	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			11/23/2022 15:39	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/23/2022 15:39	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1			11/23/2022 15:39	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			11/23/2022 15:39	RLD	EPA 8260C

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

CT LAB Sample#: 1264849 Sample Description: MW-101B License/Well #: 04189/036 Sampled: 11/16/2022 13:00

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			11/23/2022 15:39	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			11/23/2022 15:39	RLD	EPA 8260C
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/23/2022 15:39	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			11/23/2022 15:39	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1			11/23/2022 15:39	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			11/23/2022 15:39	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			11/23/2022 15:39	RLD	EPA 8260C
Toluene	<0.020	ug/L	0.020	0.10	1			11/23/2022 15:39	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			11/23/2022 15:39	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			11/23/2022 15:39	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			11/23/2022 15:39	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			11/23/2022 15:39	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1	Y		11/23/2022 15:39	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			11/23/2022 15:39	RLD	EPA 8260C
1,4-Dioxane	<7.0	ug/L	7.0	23	1			11/23/2022 15:39	RLD	EPA 8260C

CT LAB Sample#: 1264850 Sample Description: MW-101B License/Well #: 04189/036 Sampled: 11/16/2022 13:00

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			11/18/2022 21:44	NAH	EPA 6010C
Dissolved Manganese	**70.0**	ug/L	1.2	5.0	1			11/18/2022 21:44	NAH	EPA 6010C

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

CT LAB Sample#: 1264851 Sample Description: MW-102S License/Well #: 04189/037 Sampled: 11/16/2022 14:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Dissolved Oxygen (Field)	**0.89**	mg/L			1			11/16/2022 14:00	SUB	FIELD
Depth to Groundwater (Field)	**7.35**	Feet			1			11/16/2022 14:00	SUB	FIELD
OX/REDOX (Field)	**83.9**	MV			1			11/16/2022 14:00	SUB	FIELD
Color (Field)	**CLEAR**		N/A	N/A	1			11/16/2022 14:00	SUB	FIELD
Conductivity (Field)	**3433**	umhos/cm			1			11/16/2022 14:00	SUB	FIELD
Odor (Field)	**NONE**		N/A	N/A	1			11/16/2022 14:00	SUB	FIELD
pH (Field)	**7.01**	S.U.			1			11/16/2022 14:00	SUB	FIELD
Temperature (Field)	**12.31**	Deg. C			1			11/16/2022 14:00	SUB	FIELD
Turbidity (Field)	**12.83**	NTU			1			11/16/2022 14:00	SUB	FIELD
Inorganic Results										
Alkalinity Total	**480**	mg/L	21	70	1			11/22/2022 11:40	BRB	EPA 310.2
Total Sulfide	<1.0	mg/L	1.0		1			11/21/2022 09:00	ATJ	SM 4500-S2F
Nitrate Nitrogen Total	**1.3**	mg/L	0.12	0.4	1			11/17/2022 21:36	TMG	EPA 9056A
Total Chloride	**1200**	mg/L	50	160	50			11/17/2022 21:56	TMG	EPA 9056A
Total Sulfate	**45**	mg/L	0.8	2.5	1			11/17/2022 21:36	TMG	EPA 9056A
Total Organic Carbon	**3.0**	mg/L	0.4	1.3	1			11/21/2022 14:30	TMG	EPA 9060A
Metals Results										
Total Iron	**0.0594**	mg/L	0.033 *	0.11	1		11/17/2022 14:12	11/18/2022 18:04	NAH	EPA 6010C
Total Manganese	**1.8**	ug/L	1.5 *	5.0	1		11/17/2022 14:12	11/18/2022 18:04	NAH	EPA 6010C
Organic Results										
Ethane	<0.38	ug/L	0.38	1.3	1		11/21/2022 07:10	11/21/2022 10:26	DGS	RSK 175
Ethene	<0.59	ug/L	0.59	2.0	1		11/21/2022 07:10	11/21/2022 10:26	DGS	RSK 175
Methane	<0.45	ug/L	0.45	1.5	1		11/21/2022 07:10	11/21/2022 10:26	DGS	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#: 1264851 Sample Description: MW-102S License/Well #: 04189/037 Sampled: 11/16/2022 14:00

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			11/23/2022 16:07	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013		0.10	1			11/23/2022 16:07	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015		0.10	1			11/23/2022 16:07	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036		0.20	1			11/23/2022 16:07	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017		0.10	1			11/23/2022 16:07	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024		0.10	1			11/23/2022 16:07	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074		0.20	1			11/23/2022 16:07	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019		0.10	1			11/23/2022 16:07	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031		0.20	1			11/23/2022 16:07	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022		0.10	1			11/23/2022 16:07	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011		0.10	1			11/23/2022 16:07	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12		0.40	1			11/23/2022 16:07	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029		0.20	1			11/23/2022 16:07	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016		0.10	1			11/23/2022 16:07	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017		0.10	1			11/23/2022 16:07	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013		0.10	1			11/23/2022 16:07	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013		0.10	1			11/23/2022 16:07	RLD	EPA 8260C
1,3-Dichlorobenzene	**0.049**	ug/L	0.013	*	0.10	1			11/23/2022 16:07	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020		0.10	1			11/23/2022 16:07	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017		0.10	1			11/23/2022 16:07	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075		0.30	1	Y		11/23/2022 16:07	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31		2.0	1			11/23/2022 16:07	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020		0.10	1			11/23/2022 16:07	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15		1.0	1			11/23/2022 16:07	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013		0.10	1			11/23/2022 16:07	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#: 1264851 Sample Description: MW-102S License/Well #: 04189/037 Sampled: 11/16/2022 14:00

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			11/23/2022 16:07	RLD	EPA 8260C
Acetone	**0.93**	ug/L	0.84 *	4.0	1	B		11/23/2022 16:07	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			11/23/2022 16:07	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			11/23/2022 16:07	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			11/23/2022 16:07	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			11/23/2022 16:07	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1	Y		11/23/2022 16:07	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1	Y		11/23/2022 16:07	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			11/23/2022 16:07	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			11/23/2022 16:07	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			11/23/2022 16:07	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			11/23/2022 16:07	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			11/23/2022 16:07	RLD	EPA 8260C
Chloromethane	**0.23**	ug/L	0.045	0.20	1	B		11/23/2022 16:07	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1			11/23/2022 16:07	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			11/23/2022 16:07	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			11/23/2022 16:07	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			11/23/2022 16:07	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			11/23/2022 16:07	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			11/23/2022 16:07	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			11/23/2022 16:07	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			11/23/2022 16:07	RLD	EPA 8260C
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1			11/23/2022 16:07	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1			11/23/2022 16:07	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			11/23/2022 16:07	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#: 1264851 Sample Description: MW-102S License/Well #: 04189/037 Sampled: 11/16/2022 14:00

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			11/23/2022 16:07	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/23/2022 16:07	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1			11/23/2022 16:07	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			11/23/2022 16:07	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			11/23/2022 16:07	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			11/23/2022 16:07	RLD	EPA 8260C
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/23/2022 16:07	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			11/23/2022 16:07	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1			11/23/2022 16:07	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			11/23/2022 16:07	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			11/23/2022 16:07	RLD	EPA 8260C
Toluene	<0.020	ug/L	0.020	0.10	1			11/23/2022 16:07	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			11/23/2022 16:07	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			11/23/2022 16:07	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			11/23/2022 16:07	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			11/23/2022 16:07	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1	Y		11/23/2022 16:07	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			11/23/2022 16:07	RLD	EPA 8260C
1,4-Dioxane	<7.0	ug/L	7.0	23	1			11/23/2022 16:07	RLD	EPA 8260C

CT LAB Sample#: 1264852 Sample Description: MW-102S License/Well #: 04189/037 Sampled: 11/16/2022 14:00

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

Metals Results

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

CT LAB Sample#: 1264852 Sample Description: MW-102S License/Well #: 04189/037 Sampled: 11/16/2022 14:00

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			11/18/2022 21:51	NAH	EPA 6010C
Dissolved Manganese	<1.2	ug/L	1.2	5.0	1			11/18/2022 21:51	NAH	EPA 6010C

CT LAB Sample#: 1264853 Sample Description: MW-102D License/Well #: 04189/038 Sampled: 11/16/2022 14:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Dissolved Oxygen (Field)	**0.6**	mg/L			1			11/16/2022 14:30	SUB	FIELD
Depth to Groundwater (Field)	**7.61**	Feet			1			11/16/2022 14:30	SUB	FIELD
OX/REDOX (Field)	**64.4**	MV			1			11/16/2022 14:30	SUB	FIELD
Color (Field)	**CLEAR**		N/A	N/A	1			11/16/2022 14:30	SUB	FIELD
Conductivity (Field)	**1050**	umhos/cm			1			11/16/2022 14:30	SUB	FIELD
Odor (Field)	**NONE**		N/A	N/A	1			11/16/2022 14:30	SUB	FIELD
pH (Field)	**7.45**	S.U.			1			11/16/2022 14:30	SUB	FIELD
Temperature (Field)	**10.92**	Deg. C			1			11/16/2022 14:30	SUB	FIELD
Turbidity (Field)	**9.17**	NTU			1			11/16/2022 14:30	SUB	FIELD
Inorganic Results										
Alkalinity Total	**390**	mg/L	21	70	1			11/22/2022 11:41	BRB	EPA 310.2
Total Sulfide	<1.0	mg/L	1.0		1			11/21/2022 09:00	ATJ	SM 4500-S2F
Nitrate Nitrogen Total	<0.12	mg/L	0.12	0.4	1			11/17/2022 22:57	TMG	EPA 9056A
Total Chloride	**210**	mg/L	10	32	10			11/17/2022 23:17	TMG	EPA 9056A
Total Sulfate	**68**	mg/L	8.0	25	10			11/17/2022 23:17	TMG	EPA 9056A
Total Organic Carbon	**1.4**	mg/L	0.4	1.3	1			11/21/2022 14:41	TMG	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#: 1264853 Sample Description: MW-102D License/Well #: 04189/038 Sampled: 11/16/2022 14:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Total Iron	**2.80**	mg/L	0.033	0.11	1		11/17/2022 14:12	11/18/2022 18:12	NAH	EPA 6010C
Total Manganese	**43.2**	ug/L	1.5	5.0	1		11/17/2022 14:12	11/18/2022 18:12	NAH	EPA 6010C
Organic Results										
Ethane	<0.38	ug/L	0.38	1.3	1		11/21/2022 07:10	11/21/2022 11:32	DGS	RSK 175
Ethene	<0.59	ug/L	0.59	2.0	1		11/21/2022 07:10	11/21/2022 11:32	DGS	RSK 175
Methane	**1.6**	ug/L	0.45	1.5	1		11/21/2022 07:10	11/21/2022 11:32	DGS	RSK 175
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			11/23/2022 20:21	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			11/23/2022 20:21	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			11/23/2022 20:21	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			11/23/2022 20:21	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/23/2022 20:21	RLD	EPA 8260C
1,1-Dichloroethene	**0.086**	ug/L	0.024 *	0.10	1			11/23/2022 20:21	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			11/23/2022 20:21	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			11/23/2022 20:21	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			11/23/2022 20:21	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			11/23/2022 20:21	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			11/23/2022 20:21	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			11/23/2022 20:21	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			11/23/2022 20:21	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			11/23/2022 20:21	RLD	EPA 8260C
1,2-Dichloroethane	**0.17**	ug/L	0.017	0.10	1			11/23/2022 20:21	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			11/23/2022 20:21	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			11/23/2022 20:21	RLD	EPA 8260C
1,3-Dichlorobenzene	**0.048**	ug/L	0.013 *	0.10	1			11/23/2022 20:21	RLD	EPA 8260C

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CT LAB Sample#: 1264853 Sample Description: MW-102D License/Well #: 04189/038 Sampled: 11/16/2022 14:30

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			11/23/2022 20:21	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			11/23/2022 20:21	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1	Y		11/23/2022 20:21	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			11/23/2022 20:21	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			11/23/2022 20:21	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			11/23/2022 20:21	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			11/23/2022 20:21	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			11/23/2022 20:21	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			11/23/2022 20:21	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			11/23/2022 20:21	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			11/23/2022 20:21	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			11/23/2022 20:21	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			11/23/2022 20:21	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1	Y		11/23/2022 20:21	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1	Y		11/23/2022 20:21	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			11/23/2022 20:21	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			11/23/2022 20:21	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			11/23/2022 20:21	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			11/23/2022 20:21	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			11/23/2022 20:21	RLD	EPA 8260C
Chloromethane	**0.15**	ug/L	0.045 *	0.20	1	B		11/23/2022 20:21	RLD	EPA 8260C
cis-1,2-Dichloroethene	**45**	ug/L	0.12	0.50	5			11/23/2022 19:53	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			11/23/2022 20:21	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			11/23/2022 20:21	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			11/23/2022 20:21	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#: 1264853 Sample Description: MW-102D License/Well #: 04189/038 Sampled: 11/16/2022 14:30

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			11/23/2022 20:21	RLD	EPA 8260C
Diisopropyl ether	**0.025**	ug/L	0.02 *	0.1	1			11/23/2022 20:21	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			11/23/2022 20:21	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			11/23/2022 20:21	RLD	EPA 8260C
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1			11/23/2022 20:21	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1			11/23/2022 20:21	RLD	EPA 8260C
Methyl tert-butyl ether	**0.62**	ug/L	0.014	0.10	1			11/23/2022 20:21	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			11/23/2022 20:21	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/23/2022 20:21	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1			11/23/2022 20:21	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			11/23/2022 20:21	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			11/23/2022 20:21	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			11/23/2022 20:21	RLD	EPA 8260C
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/23/2022 20:21	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			11/23/2022 20:21	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1			11/23/2022 20:21	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			11/23/2022 20:21	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			11/23/2022 20:21	RLD	EPA 8260C
Toluene	<0.020	ug/L	0.020	0.10	1			11/23/2022 20:21	RLD	EPA 8260C
trans-1,2-Dichloroethene	**0.62**	ug/L	0.020	0.10	1			11/23/2022 20:21	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			11/23/2022 20:21	RLD	EPA 8260C
Trichloroethene	**0.042**	ug/L	0.022 *	0.10	1			11/23/2022 20:21	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			11/23/2022 20:21	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1	Y		11/23/2022 20:21	RLD	EPA 8260C
Vinyl chloride	**1.0**	ug/L	0.019	0.10	1			11/23/2022 20:21	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#: 1264853 Sample Description: MW-102D License/Well #: 04189/038 Sampled: 11/16/2022 14:30

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			11/23/2022 20:21	RLD	EPA 8260C

CT LAB Sample#: 1264854 Sample Description: MW-102D License/Well #: 04189/038 Sampled: 11/16/2022 14:30

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			11/18/2022 21:59	NAH	EPA 6010C
Dissolved Manganese	**39.1**	ug/L	1.2	5.0	1			11/18/2022 21:59	NAH	EPA 6010C

CT LAB Sample#: 1264855 Sample Description: MW-15D License/Well #: 04189/025 Sampled: 11/16/2022 15:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Dissolved Oxygen (Field)	**0.27**	mg/L			1			11/16/2022 15:00	SUB	FIELD
Depth to Groundwater (Field)	**9.05**	Feet			1			11/16/2022 15:00	SUB	FIELD
OX/REDOX (Field)	**38.4**	MV			1			11/16/2022 15:00	SUB	FIELD
Color (Field)	**CLEAR**		N/A	N/A	1			11/16/2022 15:00	SUB	FIELD
Conductivity (Field)	**926.38**	umhos/cm			1			11/16/2022 15:00	SUB	FIELD
Odor (Field)	**NONE**		N/A	N/A	1			11/16/2022 15:00	SUB	FIELD
pH (Field)	**7.37**	S.U.			1			11/16/2022 15:00	SUB	FIELD
Temperature (Field)	**11.20**	Deg. C			1			11/16/2022 15:00	SUB	FIELD
Turbidity (Field)	**11.69**	NTU			1			11/16/2022 15:00	SUB	FIELD
Inorganic Results										
Alkalinity Total	**300**	mg/L	21	70	1			11/22/2022 11:42	BRB	EPA 310.2

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

CT LAB Sample#: 1264855 Sample Description: MW-15D License/Well #: 04189/025 Sampled: 11/16/2022 15:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Total Sulfide	<1.0	mg/L	1.0		1			11/21/2022 09:00	ATJ	SM 4500-S2F
Nitrate Nitrogen Total	**0.44**	mg/L	0.12	0.4	1			11/17/2022 23:37	TMG	EPA 9056A
Total Chloride	**250**	mg/L	10	32	10			11/21/2022 13:17	TMG	EPA 9056A
Total Sulfate	**27**	mg/L	0.8	2.5	1			11/17/2022 23:37	TMG	EPA 9056A
Total Organic Carbon	**2.2**	mg/L	0.4	1.3	1			11/21/2022 14:53	TMG	EPA 9060A
Metals Results										
Total Iron	**0.352**	mg/L	0.033	0.11	1		11/17/2022 14:12	11/18/2022 18:19	NAH	EPA 6010C
Total Manganese	**453**	ug/L	1.5	5.0	1		11/17/2022 14:12	11/18/2022 18:19	NAH	EPA 6010C
Organic Results										
Ethane	<0.38	ug/L	0.38	1.3	1		11/21/2022 07:10	11/21/2022 12:12	DGS	RSK 175
Ethene	<0.59	ug/L	0.59	2.0	1		11/21/2022 07:10	11/21/2022 12:12	DGS	RSK 175
Methane	**5.1**	ug/L	0.45	1.5	1		11/21/2022 07:10	11/21/2022 12:12	DGS	RSK 175
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			11/23/2022 16:35	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			11/23/2022 16:35	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			11/23/2022 16:35	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			11/23/2022 16:35	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/23/2022 16:35	RLD	EPA 8260C
1,1-Dichloroethene	**0.046**	ug/L	0.024 *	0.10	1			11/23/2022 16:35	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			11/23/2022 16:35	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			11/23/2022 16:35	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			11/23/2022 16:35	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			11/23/2022 16:35	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			11/23/2022 16:35	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			11/23/2022 16:35	RLD	EPA 8260C

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

CT LAB Sample#: 1264855 Sample Description: MW-15D License/Well #: 04189/025 Sampled: 11/16/2022 15:00

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			11/23/2022 16:35	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			11/23/2022 16:35	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/23/2022 16:35	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			11/23/2022 16:35	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			11/23/2022 16:35	RLD	EPA 8260C
1,3-Dichlorobenzene	**0.067**	ug/L	0.013 *	0.10	1			11/23/2022 16:35	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			11/23/2022 16:35	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			11/23/2022 16:35	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1	Y		11/23/2022 16:35	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			11/23/2022 16:35	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			11/23/2022 16:35	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			11/23/2022 16:35	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			11/23/2022 16:35	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			11/23/2022 16:35	RLD	EPA 8260C
Acetone	**0.89**	ug/L	0.84 *	4.0	1	B		11/23/2022 16:35	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			11/23/2022 16:35	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			11/23/2022 16:35	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			11/23/2022 16:35	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			11/23/2022 16:35	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1	Y		11/23/2022 16:35	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1	Y		11/23/2022 16:35	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			11/23/2022 16:35	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			11/23/2022 16:35	RLD	EPA 8260C
Chlorobenzene	**0.24**	ug/L	0.013	0.10	1			11/23/2022 16:35	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			11/23/2022 16:35	RLD	EPA 8260C

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

CT LAB Sample#: 1264855 Sample Description: MW-15D License/Well #: 04189/025 Sampled: 11/16/2022 15:00

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			11/23/2022 16:35	RLD	EPA 8260C
Chloromethane	**0.20**	ug/L	0.045	0.20	1	B		11/23/2022 16:35	RLD	EPA 8260C
cis-1,2-Dichloroethene	**4.7**	ug/L	0.023	0.10	1			11/23/2022 16:35	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			11/23/2022 16:35	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			11/23/2022 16:35	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			11/23/2022 16:35	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			11/23/2022 16:35	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			11/23/2022 16:35	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			11/23/2022 16:35	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			11/23/2022 16:35	RLD	EPA 8260C
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1			11/23/2022 16:35	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1			11/23/2022 16:35	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			11/23/2022 16:35	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			11/23/2022 16:35	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/23/2022 16:35	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1			11/23/2022 16:35	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			11/23/2022 16:35	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			11/23/2022 16:35	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			11/23/2022 16:35	RLD	EPA 8260C
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/23/2022 16:35	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			11/23/2022 16:35	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1			11/23/2022 16:35	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			11/23/2022 16:35	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			11/23/2022 16:35	RLD	EPA 8260C
Toluene	<0.020	ug/L	0.020	0.10	1			11/23/2022 16:35	RLD	EPA 8260C

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

CT LAB Sample#: 1264855 Sample Description: MW-15D License/Well #: 04189/025 Sampled: 11/16/2022 15:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
trans-1,2-Dichloroethene	**0.12**	ug/L	0.020	0.10	1			11/23/2022 16:35	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			11/23/2022 16:35	RLD	EPA 8260C
Trichloroethene	**9.5**	ug/L	0.022	0.10	1			11/23/2022 16:35	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			11/23/2022 16:35	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1	Y		11/23/2022 16:35	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			11/23/2022 16:35	RLD	EPA 8260C
1,4-Dioxane	<7.0	ug/L	7.0	23	1			11/23/2022 16:35	RLD	EPA 8260C

CT LAB Sample#: 1264856 Sample Description: MW-15D License/Well #: 04189/025 Sampled: 11/16/2022 15:00

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			11/18/2022 22:07	NAH	EPA 6010C
Dissolved Manganese	**300**	ug/L	1.2	5.0	1			11/18/2022 22:07	NAH	EPA 6010C

CT LAB Sample#: 1264857 Sample Description: MW-15S License/Well #: 04189/033 Sampled: 11/16/2022 15:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Dissolved Oxygen (Field)	**0.49**	mg/L			1			11/16/2022 15:30	SUB	FIELD
Depth to Groundwater (Field)	**7.24**	Feet			1			11/16/2022 15:30	SUB	FIELD
OX/REDOX (Field)	**53.4**	MV			1			11/16/2022 15:30	SUB	FIELD
Color (Field)	**CLEAR**		N/A	N/A	1			11/16/2022 15:30	SUB	FIELD
Conductivity (Field)	**1172.3**	umhos/cm			1			11/16/2022 15:30	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#: 1264857 Sample Description: MW-15S License/Well #: 04189/033 Sampled: 11/16/2022 15:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Odor (Field)	**NONE**		N/A	N/A	1			11/16/2022 15:30	SUB	FIELD
pH (Field)	**7.42**	S.U.			1			11/16/2022 15:30	SUB	FIELD
Temperature (Field)	**12.34**	Deg. C			1			11/16/2022 15:30	SUB	FIELD
Turbidity (Field)	**14.89**	NTU			1			11/16/2022 15:30	SUB	FIELD
Inorganic Results										
Alkalinity Total	**250**	mg/L	21	70	1			11/22/2022 11:43	BRB	EPA 310.2
Total Sulfide	<1.0	mg/L	1.0		1			11/21/2022 09:00	ATJ	SM 4500-S2F
Nitrate Nitrogen Total	**15**	mg/L	1.2	4.0	10			11/18/2022 01:18	TMG	EPA 9056A
Total Chloride	**130**	mg/L	10	32	10			11/18/2022 01:18	TMG	EPA 9056A
Total Sulfate	**15**	mg/L	0.8	2.5	1			11/18/2022 00:18	TMG	EPA 9056A
Total Organic Carbon	**1.6**	mg/L	0.4	1.3	1			11/21/2022 15:04	TMG	EPA 9060A
Metals Results										
Total Iron	**0.0604**	mg/L	0.033 *	0.11	1		11/17/2022 14:12	11/18/2022 18:27	NAH	EPA 6010C
Total Manganese	**45.5**	ug/L	1.5	5.0	1		11/17/2022 14:12	11/18/2022 18:27	NAH	EPA 6010C
Organic Results										
Ethane	<0.38	ug/L	0.38	1.3	1		11/21/2022 07:10	11/21/2022 12:16	DGS	RSK 175
Ethene	<0.59	ug/L	0.59	2.0	1		11/21/2022 07:10	11/21/2022 12:16	DGS	RSK 175
Methane	<0.45	ug/L	0.45	1.5	1		11/21/2022 07:10	11/21/2022 12:16	DGS	RSK 175
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			11/23/2022 17:04	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			11/23/2022 17:04	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			11/23/2022 17:04	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			11/23/2022 17:04	RLD	EPA 8260C
1,1-Dichloroethane	**0.056**	ug/L	0.017 *	0.10	1			11/23/2022 17:04	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			11/23/2022 17:04	RLD	EPA 8260C

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

CT LAB Sample#: 1264857 Sample Description: MW-15S License/Well #: 04189/033 Sampled: 11/16/2022 15:30

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			11/23/2022 17:04	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			11/23/2022 17:04	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			11/23/2022 17:04	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			11/23/2022 17:04	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			11/23/2022 17:04	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			11/23/2022 17:04	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			11/23/2022 17:04	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			11/23/2022 17:04	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/23/2022 17:04	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			11/23/2022 17:04	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			11/23/2022 17:04	RLD	EPA 8260C
1,3-Dichlorobenzene	**0.060**	ug/L	0.013 *	0.10	1			11/23/2022 17:04	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			11/23/2022 17:04	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			11/23/2022 17:04	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1	Y		11/23/2022 17:04	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			11/23/2022 17:04	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			11/23/2022 17:04	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			11/23/2022 17:04	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			11/23/2022 17:04	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			11/23/2022 17:04	RLD	EPA 8260C
Acetone	**0.84**	ug/L	0.84 *	4.0	1	B		11/23/2022 17:04	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			11/23/2022 17:04	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			11/23/2022 17:04	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			11/23/2022 17:04	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			11/23/2022 17:04	RLD	EPA 8260C

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

CT LAB Sample#: 1264857 Sample Description: MW-15S License/Well #: 04189/033 Sampled: 11/16/2022 15:30

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	Y		11/23/2022 17:04	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1	Y		11/23/2022 17:04	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			11/23/2022 17:04	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			11/23/2022 17:04	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			11/23/2022 17:04	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			11/23/2022 17:04	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			11/23/2022 17:04	RLD	EPA 8260C
Chloromethane	**0.21**	ug/L	0.045	0.20	1	B		11/23/2022 17:04	RLD	EPA 8260C
cis-1,2-Dichloroethene	**0.074**	ug/L	0.023 *	0.10	1			11/23/2022 17:04	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			11/23/2022 17:04	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			11/23/2022 17:04	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			11/23/2022 17:04	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			11/23/2022 17:04	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			11/23/2022 17:04	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			11/23/2022 17:04	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			11/23/2022 17:04	RLD	EPA 8260C
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1			11/23/2022 17:04	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1			11/23/2022 17:04	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			11/23/2022 17:04	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			11/23/2022 17:04	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/23/2022 17:04	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1			11/23/2022 17:04	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			11/23/2022 17:04	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			11/23/2022 17:04	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			11/23/2022 17:04	RLD	EPA 8260C

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

CT LAB Sample#: 1264857 Sample Description: MW-15S License/Well #: 04189/033 Sampled: 11/16/2022 15:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/23/2022 17:04	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			11/23/2022 17:04	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1			11/23/2022 17:04	RLD	EPA 8260C
Tetrachloroethene	**0.040**	ug/L	0.028 *	0.20	1			11/23/2022 17:04	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			11/23/2022 17:04	RLD	EPA 8260C
Toluene	<0.020	ug/L	0.020	0.10	1			11/23/2022 17:04	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			11/23/2022 17:04	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			11/23/2022 17:04	RLD	EPA 8260C
Trichloroethene	**0.041**	ug/L	0.022 *	0.10	1			11/23/2022 17:04	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			11/23/2022 17:04	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1	Y		11/23/2022 17:04	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			11/23/2022 17:04	RLD	EPA 8260C
1,4-Dioxane	<7.0	ug/L	7.0	23	1			11/23/2022 17:04	RLD	EPA 8260C

CT LAB Sample#: 1264858 Sample Description: MW-15S License/Well #: 04189/033 Sampled: 11/16/2022 15:30

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			11/18/2022 22:14	NAH	EPA 6010C
Dissolved Manganese	**5.6**	ug/L	1.2	5.0	1			11/18/2022 22:14	NAH	EPA 6010C

CT LAB Sample#: 1264859 Sample Description: TB-111622 License/Well #: 04189/999 Sampled: 11/16/2022

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

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

CT LAB Sample#: 1264859 Sample Description: TB-111622 License/Well #: 04189/999 Sampled: 11/16/2022

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			11/24/2022 00:46	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			11/24/2022 00:46	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			11/24/2022 00:46	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			11/24/2022 00:46	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/24/2022 00:46	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			11/24/2022 00:46	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			11/24/2022 00:46	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			11/24/2022 00:46	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			11/24/2022 00:46	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			11/24/2022 00:46	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			11/24/2022 00:46	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			11/24/2022 00:46	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			11/24/2022 00:46	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			11/24/2022 00:46	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/24/2022 00:46	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			11/24/2022 00:46	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			11/24/2022 00:46	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			11/24/2022 00:46	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			11/24/2022 00:46	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			11/24/2022 00:46	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1	Y		11/24/2022 00:46	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			11/24/2022 00:46	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			11/24/2022 00:46	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			11/24/2022 00:46	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#: 1264859 Sample Description: TB-111622 License/Well #: 04189/999 Sampled: 11/16/2022

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			11/24/2022 00:46	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			11/24/2022 00:46	RLD	EPA 8260C
Acetone	**1.6**	ug/L	0.84 *	4.0	1	B		11/24/2022 00:46	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			11/24/2022 00:46	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			11/24/2022 00:46	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			11/24/2022 00:46	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			11/24/2022 00:46	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1	Y		11/24/2022 00:46	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1	Y,Z		11/24/2022 00:46	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			11/24/2022 00:46	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			11/24/2022 00:46	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			11/24/2022 00:46	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			11/24/2022 00:46	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			11/24/2022 00:46	RLD	EPA 8260C
Chloromethane	**0.14**	ug/L	0.045 *	0.20	1	B		11/24/2022 00:46	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1			11/24/2022 00:46	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			11/24/2022 00:46	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			11/24/2022 00:46	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			11/24/2022 00:46	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			11/24/2022 00:46	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			11/24/2022 00:46	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			11/24/2022 00:46	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			11/24/2022 00:46	RLD	EPA 8260C
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1			11/24/2022 00:46	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1			11/24/2022 00:46	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#: 1264859 Sample Description: TB-111622 License/Well #: 04189/999 Sampled: 11/16/2022

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			11/24/2022 00:46	RLD	EPA 8260C
Methylene chloride	**0.34**	ug/L	0.090 *	0.40	1			11/24/2022 00:46	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/24/2022 00:46	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1			11/24/2022 00:46	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			11/24/2022 00:46	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			11/24/2022 00:46	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			11/24/2022 00:46	RLD	EPA 8260C
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/24/2022 00:46	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			11/24/2022 00:46	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1			11/24/2022 00:46	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			11/24/2022 00:46	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			11/24/2022 00:46	RLD	EPA 8260C
Toluene	<0.020	ug/L	0.020	0.10	1			11/24/2022 00:46	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			11/24/2022 00:46	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			11/24/2022 00:46	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			11/24/2022 00:46	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			11/24/2022 00:46	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1	Y		11/24/2022 00:46	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			11/24/2022 00:46	RLD	EPA 8260C
1,4-Dioxane	<7.0	ug/L	7.0	23	1			11/24/2022 00:46	RLD	EPA 8260C

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

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

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

Current CT Laboratories Certifications

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

Location/Landfill: **OEC SUPERFUND WI** **License #:** **04189**

Well Description: ***DUP-A*** **Well #:** ***045*** **Sample Date** **11/16/2022**

Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Dissolved Iron	01046	2.56	0.15	0.30	0.027	mg/L
Dissolved Manganese	01056	244	60	300	1.2	ug/L
Total Iron	74010	2.55	0.15	0.3	0.033	mg/L
Total Manganese	01055	242	60	300	1.5	ug/L

Well Description: ***MW-101B*** **Well #:** ***036*** **Sample Date** **11/16/2022**

Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Total Chloride	00940	160	125	250	5.0	mg/L
Dissolved Manganese	01056	70.0	60	300	1.2	ug/L
Total Manganese	01055	81.5	60	300	1.5	ug/L

Well Description: ***MW-101S*** **Well #:** ***035*** **Sample Date** **11/16/2022**

Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Total Iron	74010	1.25	0.15	0.3	0.033	mg/L
Total Manganese	01055	218	60	300	1.5	ug/L

Well Description: ***MW-102D*** **Well #:** ***038*** **Sample Date** **11/16/2022**

Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Total Chloride	00940	210	125	250	10	mg/L
Dissolved Iron	01046	1.75	0.15	0.30	0.027	mg/L
Total Iron	74010	2.80	0.15	0.3	0.033	mg/L
cis-1,2-Dichloroethene	77093	45	7.00	70.00	0.12	ug/L
Vinyl chloride	39175	1.0	0.02	0.20	0.019	ug/L

Well Description: ***MW-102S*** **Well #:** ***037*** **Sample Date** **11/16/2022**

Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Total Chloride	00940	1200	125	250	50	mg/L

Well Description: ***MW-105B*** **Well #:** ***045*** **Sample Date** **11/16/2022**

Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Dissolved Iron	01046	2.52	0.15	0.30	0.027	mg/L
Dissolved Manganese	01056	241	60	300	1.2	ug/L
Total Iron	74010	2.52	0.15	0.3	0.033	mg/L
Total Manganese	01055	238	60	300	1.5	ug/L

Well Description: ***MW-105D*** **Well #:** ***044*** **Sample Date** **11/16/2022**

Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Total Chloride	00940	230	125	250	10	mg/L
Dissolved Iron	01046	2.17	0.15	0.30	0.027	mg/L
Dissolved Manganese	01056	129	60	300	1.2	ug/L
Total Iron	74010	2.93	0.15	0.3	0.033	mg/L

Well Description:	***MW-105D***	**Well #:**	***044***		**Sample Date**	**11/16/2022**	
Parameter		DNR Parameter #	Result	PAL	ES	LOD	Units
Total Manganese		01055	73.0	60	300	1.5	ug/L
1,1-Dichloroethene		34501	1.4	0.7	7	0.24	ug/L
cis-1,2-Dichloroethene		77093	110	7.00	70.00	0.23	ug/L
Methylene chloride		34423	1.6	0.5	5	0.90	ug/L
Trichloroethene		39180	2.2	0.5	5	0.22	ug/L
Vinyl chloride		39175	6.0	0.02	0.20	0.19	ug/L

Well Description:	***MW-105S***	**Well #:**	***043***		**Sample Date**	**11/16/2022**	
Parameter		DNR Parameter #	Result	PAL	ES	LOD	Units
Total Chloride		00940	870	125	250	50	mg/L
Dissolved Iron		01046	2.46	0.15	0.30	0.027	mg/L
Dissolved Manganese		01056	347	60	300	1.2	ug/L
Total Iron		74010	9.14	0.15	0.3	0.033	mg/L
Total Manganese		01055	324	60	300	1.5	ug/L
1,1-Dichloroethene		34501	0.79	0.7	7	0.024	ug/L
cis-1,2-Dichloroethene		77093	300	7.00	70.00	0.46	ug/L
Trichloroethene		39180	50	0.5	5	0.44	ug/L
Vinyl chloride		39175	1.4	0.02	0.20	0.019	ug/L

Well Description:	***MW-14DR***	**Well #:**	***050***		**Sample Date**	**11/16/2022**	
Parameter		DNR Parameter #	Result	PAL	ES	LOD	Units
Total Chloride		00940	210	125	250	10	mg/L
Dissolved Manganese		01056	77.0	60	300	1.2	ug/L
Total Manganese		01055	206	60	300	1.5	ug/L

Well Description:	***MW-15D***	**Well #:**	***025***		**Sample Date**	**11/16/2022**	
Parameter		DNR Parameter #	Result	PAL	ES	LOD	Units
Total Chloride		00940	250	125	250	10	mg/L
Dissolved Manganese		01056	300	60	300	1.2	ug/L
Total Iron		74010	0.352	0.15	0.3	0.033	mg/L
Total Manganese		01055	453	60	300	1.5	ug/L
Trichloroethene		39180	9.5	0.5	5	0.022	ug/L

Well Description:	***MW-15S***	**Well #:**	***033***		**Sample Date**	**11/16/2022**	
Parameter		DNR Parameter #	Result	PAL	ES	LOD	Units
Nitrate Nitrogen Total		00620	15	2	10	1.2	mg/L
Total Chloride		00940	130	125	250	10	mg/L

Well Description:	***MW-16S***	**Well #:**	***026***		**Sample Date**	**11/16/2022**	
Parameter		DNR Parameter #	Result	PAL	ES	LOD	Units
Dissolved Iron		01046	2.56	0.15	0.30	0.027	mg/L
Dissolved Manganese		01056	244	60	300	1.2	ug/L
Total Iron		74010	2.57	0.15	0.3	0.033	mg/L
Total Manganese		01055	240	60	300	1.5	ug/L

Preventative Action Limit (PAL) Exceedances

Location/Landfill: **OEC SUPERFUND WI** **License #:** **04189**

Well Description: ***MW-1S*** **Well #:** ***001*** **Sample Date** **11/16/2022**

Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Total Chloride	00940	220	125	250	10	mg/L
Dissolved Iron	01046	1.37	0.15	0.30	0.027	mg/L
Dissolved Manganese	01056	100	60	300	1.2	ug/L
Total Iron	74010	4.59	0.15	0.3	0.033	mg/L
Total Manganese	01055	101	60	300	1.5	ug/L

Selected Indicators - Summary

Location/Landfill: **OCONOMOWOC ELECTROPLATING** **License #:** **04189** 12/13/2022

Sample Date		**Sample ID**					
		DUP-A	MW-101B	MW-101S	MW-102D	MW-102S	MW-105B
11/16/2022	Color (Field)		CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
	Conductivity (Field)		836.04	483.97	1050	3433	640.87
	Depth to Groundwater		4.37	3.74	7.61	7.35	3.96
	Nitrate Nitrogen T/D	0.15	<0.12	0.63	<0.12	1.3	0.34
	Odor (Field)		NONE	NONE	NONE	NONE	NONE
	OX/REDOX (Field)		54.3	27.2	64.4	83.9	-83.3
	pH (Field)		7.39	7.31	7.45	7.01	7.69
	T/D Alkalinity	340	330	170	390	480	340
	T/D Chloride	79	160	66	210	1200	74
	T/D Iron	2.55	<0.027	<0.027	1.75	<0.027	2.52
	T/D Manganese	242	70.0	<1.2	39.1	<1.2	238
	T/D Organic Carbon	0.71	1.3	5.2	1.4	3.0	0.73
	T/D Oxygen (Field)		0.62	3.9	0.6	0.89	0.13
	T/D Sulfate	1.2	39	11	68	45	1.5
	T/D Sulfide	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	Temperature (Field)		11.81	13.43	10.92	12.31	10.08
	Turbidity (Field)		11.32	18.57	9.17	12.83	21.35

		MW-105D	MW-105S	MW-14DR	MW-15D	MW-15S	MW-16S
11/16/2022	Color (Field)	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
	Conductivity (Field)	1040.1	2417	968.65	926.38	1172.3	638.58
	Depth to Groundwater	3.02	4.12	3.67	9.05	7.24	2.94
	Nitrate Nitrogen T/D	<0.12	<0.12	0.31	0.44	15	<0.12
	Odor (Field)	NONE	NONE	NONE	NONE	NONE	NONE
	OX/REDOX (Field)	38.2	77.5	69.2	38.4	53.4	-9
	pH (Field)	7.45	7.25	7.4	7.37	7.42	7.69
	T/D Alkalinity	380	380	330	300	250	330
	T/D Chloride	230	870	210	250	130	79
	T/D Iron	2.17	2.46	<0.027	<0.027	<0.027	2.56
	T/D Manganese	129	324	206	300	45.5	240
	T/D Organic Carbon	1.6	3.7	1.9	2.2	1.6	0.76
	T/D Oxygen (Field)	0.41	0.38	0.41	0.27	0.49	0.45
	T/D Sulfate	57	43	25	27	15	<0.8
	T/D Sulfide	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	Temperature (Field)	9.67	10.54	11.20	11.20	12.34	10.17
	Turbidity (Field)	12.06	220.27	13.67	11.69	14.89	7.33

		MW-1S
11/16/2022	Color (Field)	CLEAR
	Conductivity (Field)	969.44
	Depth to Groundwater	5.2
	Nitrate Nitrogen T/D	<0.12
	Odor (Field)	NONE
	OX/REDOX (Field)	88.50
	pH (Field)	7.43
	T/D Alkalinity	350
	T/D Chloride	220
	T/D Iron	1.37
	T/D Manganese	100
	T/D Organic Carbon	1.6
	T/D Oxygen (Field)	0.21
	T/D Sulfate	29
	T/D Sulfide	<1.0
	Temperature (Field)	10.24
	Turbidity (Field)	7613

QC Summary Report

HYDE ENVIRONMENTAL, INC. **Project Name: OEC SUPERFUND WI**

SDG #: 0 **Folder #: 173767** **Project #:**

Duplicate

Analytical Run #:	267368	Analysis Date:	11/18/2022	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1266856	Analysis Time:	01:39	Prep Date/Time:		Method:	SW9056A
Parent Sample #:	1264857	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	14.6	mg/L	15					3	18
Total Chloride	124	mg/L	130					5	10
Total Sulfate	14.2	mg/L	15					5	10

Lab Control Spike Water

Analytical Run #:	267368	Analysis Date:	11/17/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1266850	Analysis Time:	14:11	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	14.60	mg/L			15.00	97	80	---	120		
Nitrate Nitrogen	3.515	mg/L			3.50	100	80	---	120		
Sulfate	24.43	mg/L			25.00	98	80	---	120		

Method Blank Water

Analytical Run #:	267368	Analysis Date:	11/17/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1266851	Analysis Time:	14:31	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 #:	267368	Analysis Date:	11/18/2022	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1266857	Analysis Time:	08:12	Prep Date/Time:		Method:	SW9056A
Parent Sample #:	1264857	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	34.8	mg/L	15		20.0	99	58 --- 143		20
Total Chloride	194	mg/L	130		80.0	80	47 --- 120		20
Total Sulfate	21.0	mg/L	15		8.0	75	49 --- 120		20

Duplicate

Analytical Run #:	267398	Analysis Date:	11/21/2022	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1266644	Analysis Time:	13:41	Prep Date/Time:		Method:	SW9060
Parent Sample #:	1264847	Analyst:	TMG	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Total Organic Carbon	5.07	mg/L	5.2					3	20

Lab Control Spike Water

Analytical Run #:	267398	Analysis Date:	11/21/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1266638	Analysis Time:	09:16	Prep Date/Time:		Method:	SW9060
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
Total Organic Carbon	52.15	mg/L			50.0	104	83 --- 114		

Method Blank Water

Analytical Run #:	267398	Analysis Date:	11/21/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1266639	Analysis Time:	09:31	Prep Date/Time:		Method:	SW9060
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
Total Organic Carbon	0.4	mg/L		U	0		0.4		

Matrix Spike Duplicate Water

Analytical Run #:	267398	Analysis Date:	11/21/2022	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1266646	Analysis Time:	14:06	Prep Date/Time:		Method:	SW9060
Parent Sample #:	1266645	Analyst:	TMG	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Total Organic Carbon	55.5	mg/L	5.2		50.0	101	78 --- 118	1	6

Matrix Spike Water

Analytical Run #:	267398	Analysis Date:	11/21/2022	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1266645	Analysis Time:	13:53	Prep Date/Time:		Method:	SW9060
Parent Sample #:	1264847	Analyst:	TMG	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Total Organic Carbon	54.9	mg/L	5.2		50.0	99	78 --- 118		6

Lab Control Spike Water

Analytical Run #:	267460	Analysis Date:	11/21/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1266478	Analysis Time:	09:00	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	5.0	mg/L			5.0	100	90 --- 110		

Method Blank Water

Analytical Run #:	267460	Analysis Date:	11/21/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1266479	Analysis Time:	09:00	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 #:	267489	Analysis Date:	11/22/2022	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1266974	Analysis Time:	11:30	Prep Date/Time:		Method:	E310.2
Parent Sample #:	1264843	Analyst:	DC	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Alkalinity Dissolved	336	mg/L	340					1	20
Alkalinity Total	336	mg/L	340					1	20

Lab Control Spike Water

Analytical Run #:	267489	Analysis Date:	11/22/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1266708	Analysis Time:	11:02	Prep Date/Time:		Method:	E310.2
Parent Sample #:		Analyst:	BRB	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Alkalinity	375.0	mg/L			375.0	100	90 --- 110		

Method Blank Water

Analytical Run #:	267489	Analysis Date:	11/22/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1266709	Analysis Time:	11:03	Prep Date/Time:		Method:	E310.2
Parent Sample #:		Analyst:	BRB	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 #:	267490	Analysis Date:	11/22/2022	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1266991	Analysis Time:	11:37	Prep Date/Time:		Method:	E310.2
Parent Sample #:	1264845	Analyst:	DC	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Alkalinity Dissolved	336	mg/L	330					2	20
Alkalinity Total	336	mg/L	330					2	20

Lab Control Spike Water

Analytical Run #:	267490	Analysis Date:	11/22/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1266710	Analysis Time:	11:31	Prep Date/Time:		Method:	E310.2
Parent Sample #:		Analyst:	BRB	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Alkalinity	375.0	mg/L			375.0	100	90 --- 110		

Method Blank Water

Analytical Run #:	267490	Analysis Date:	11/22/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1266711	Analysis Time:	11:32	Prep Date/Time:		Method:	E310.2
Parent Sample #:		Analyst:	BRB	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 #:	267373	Analysis Date:	11/18/2022	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1266154	Analysis Time:	20:22	Prep Date/Time:		Method:	SW6010
Parent Sample #:	1266153	Analyst:	NAH	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Iron	3.26	mg/L	1.37		2.0	94	75 --- 113	2	18
Manganese	1100	ug/L	100		1000	100	75 --- 121	6	13

Matrix Spike Water

Analytical Run #:	267373	Analysis Date:	11/18/2022	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1266153	Analysis Time:	20:15	Prep Date/Time:		Method:	SW6010
Parent Sample #:	1264834	Analyst:	NAH	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Iron	3.19	mg/L	1.37		2.0	91	75 --- 113		18
Manganese	1040	ug/L	100		1000	94	75 --- 121		13

Lab Control Spike Water

Analytical Run #:	267396	Analysis Date:	11/18/2022	Prep Batch #:	127838	Matrix:	LIQUID
CTLab #:	1264878	Analysis Time:	15:39	Prep Date/Time:	11/17/2022 14:12	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	0.395	mg/L			0.4	99	80 --- 115		
Manganese	202.0	ug/L			200.0	101	86 --- 112		

Method Blank Water

Analytical Run #:	267396	Analysis Date:	11/18/2022	Prep Batch #:	127838	Matrix:	LIQUID
CTLab #:	1264877	Analysis Time:	15:46	Prep Date/Time:	11/17/2022 14:12	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 #:	267396	Analysis Date:	11/18/2022	Prep Batch #:	127838	Matrix:	GROUND WATER
CTLab #:	1264881	Analysis Time:	16:28	Prep Date/Time:	11/17/2022 14:12	Method:	SW6010
Parent Sample #:	1264880	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	5.02	mg/L	4.59		0.4	108	75 --- 118	1	11
Manganese	302	ug/L	101		200	100	84 --- 111	1	7

Matrix Spike Water

Analytical Run #:	267396	Analysis Date:	11/18/2022	Prep Batch #:	127838	Matrix:	GROUND WATER
CTLab #:	1264880	Analysis Time:	16:21	Prep Date/Time:	11/17/2022 14:12	Method:	SW6010
Parent Sample #:	1264833	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	4.99	mg/L	4.59		0.4	100	75 --- 118		11
Manganese	304	ug/L	101		200	102	84 --- 111		7

Lab Control Spike Duplicate Water

Analytical Run #:	267352	Analysis Date:	11/21/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1266628	Analysis Time:	19:12	Prep Date/Time:		Method:	SW8260C
Parent Sample #:	1266625	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	3.99	ug/L	3.88		4.0	100	78	---	121	3	20
1,1,1-Trichloroethane	4.34	ug/L	4.05		4.0	108	82	---	122	7	20
1,1,2,2-Tetrachloroethane	4.00	ug/L	3.73		4.0	100	68	---	128	7	20
1,1,2-Trichloroethane	4.02	ug/L	3.74		4.0	100	84	---	114	7	20
1,1-Dichloroethane	4.11	ug/L	3.81		4.0	103	76	---	122	8	20
1,1-Dichloroethene	4.36	ug/L	4.08		4.0	109	83	---	123	7	20
1,1-Dichloropropene	4.18	ug/L	4.08		4.0	104	85	---	120	2	20
1,2 Dichloroethane-d4	100	% Recovery			100	100	87	---	107	0	
1,2,3-Trichlorobenzene	3.83	ug/L	3.64		4.0	96	78	---	121	5	20
1,2,3-Trichloropropane	3.85	ug/L	3.60		4.0	96	62	---	129	7	20
1,2,4-Trichlorobenzene	4.10	ug/L	3.91		4.0	102	80	---	120	5	20
1,2,4-Trimethylbenzene	4.04	ug/L	3.77		4.0	101	76	---	125	7	20
1,2-Dibromo-3-chloropropane	3.63	ug/L	3.47		4.0	91	69	---	125	5	20
1,2-Dibromoethane	4.04	ug/L	3.85		4.0	101	80	---	118	5	20
1,2-Dichlorobenzene	3.90	ug/L	3.67		4.0	98	80	---	117	6	20
1,2-Dichloroethane	4.09	ug/L	3.69		4.0	102	78	---	118	10	20
1,2-Dichloropropane	3.99	ug/L	3.67		4.0	100	78	---	121	8	20
1,3,5-Trimethylbenzene	4.07	ug/L	3.88		4.0	102	76	---	126	5	20
1,3-Dichlorobenzene	3.89	ug/L	3.68		4.0	97	78	---	119	6	20
1,3-Dichloropropane	3.91	ug/L	3.77		4.0	98	82	---	117	4	20
1,4-Dichlorobenzene	3.86	ug/L	3.69		4.0	96	77	---	118	5	20
2,2-Dichloropropane	3.91	ug/L	4.04		4.0	98	71	---	133	3	20
2-Butanone	38.4	ug/L	37.5		40.0	96	80	---	120	2	20
2-Chlorotoluene	3.88	ug/L	3.65		4.0	97	73	---	124	6	20
2-Hexanone	41.0	ug/L	37.9		40.0	102	73	---	127	8	20
4-Chlorotoluene	4.01	ug/L	3.79		4.0	100	74	---	125	6	20
4-Methyl-2-pentanone	41.1	ug/L	37.4		40.0	103	77	---	125	9	20
Acetone	37.2	ug/L	38.2		40.0	93	72	---	117	3	20
Benzene	4.03	ug/L	3.74		4.0	101	82	---	118	7	20
Bromobenzene	3.86	ug/L	3.69		4.0	96	77	---	118	5	20
Bromochloromethane	3.96	ug/L	3.70		4.0	99	81	---	116	7	20
Bromodichloromethane	4.12	ug/L	3.97		4.0	103	80	---	122	4	20
Bromofluorobenzene	97.0	% Recovery			100	97.0	90	---	108	0	
Bromoform	3.54	ug/L	4.09		4.0	88	72	---	124	14	20
Bromomethane	3.89	ug/L	4.04		4.0	97	25	---	156	4	20
Carbon disulfide	8.79	ug/L	8.61		8.0	110	81	---	124	2	20
Carbon tetrachloride	4.65	ug/L	4.34		4.0	116	87	---	129	7	20
Chlorobenzene	3.92	ug/L	3.77		4.0	98	78	---	118	4	20
Chloroethane	4.07	ug/L	3.79		4.0	102	73	---	126	7	20
Chloroform	4.03	ug/L	3.71		4.0	101	76	---	119	8	20
Chloromethane	4.02	ug/L	3.75		4.0	100	70	---	121	7	20
cis-1,2-Dichloroethene	4.09	ug/L	3.75		4.0	102	82	---	118	9	20

Lab Control Spike Duplicate Water

Analytical Run #:	267352	Analysis Date:	11/21/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1266628	Analysis Time:	19:12	Prep Date/Time:		Method:	SW8260C
Parent Sample #:	1266625	Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits			RPD	RPD Limit
cis-1,3-Dichloropropene	4.09	ug/L	3.95		4.0	102	81	---	123	3	20
d8-Toluene	101	% Recovery			100	101	93	---	108	0	
Dibromochloromethane	3.95	ug/L	3.98		4.0	99	76	---	124	1	20
Dibromofluoromethane	102	% Recovery			100	102	93	---	106	0	
Dibromomethane	3.97	ug/L	3.66		4.0	99	83	---	115	8	20
Dichlorodifluoromethane	4.68	ug/L	4.28		4.0	117	78	---	126	9	20
Diisopropyl ether	4.14	ug/L	3.72		4.0	104	75	---	125	11	20
Ethylbenzene	4.08	ug/L	3.83		4.0	102	78	---	125	6	20
Hexachlorobutadiene	4.35	ug/L	4.06		4.0	109	79	---	123	7	20
Isopropylbenzene	4.30	ug/L	4.09		4.0	108	81	---	124	5	20
m & p-Xylene	8.13	ug/L	7.77		8.0	102	80	---	123	5	20
Methyl tert-butyl ether	3.82	ug/L	3.71		4.0	96	82	---	116	3	20
Methylene chloride	4.00	ug/L	3.70		4.0	100	73	---	128	8	20
n-Butylbenzene	4.29	ug/L	4.17		4.0	107	76	---	127	3	20
n-Propylbenzene	4.06	ug/L	3.87		4.0	102	75	---	129	5	20
Naphthalene	3.91	ug/L	3.59		4.0	98	64	---	129	9	20
o-Xylene	3.98	ug/L	3.83		4.0	100	81	---	121	4	20
p-Isopropyltoluene	4.21	ug/L	4.03		4.0	105	79	---	126	4	20
sec-Butylbenzene	4.30	ug/L	4.06		4.0	108	76	---	128	6	20
Styrene	4.12	ug/L	3.98		4.0	103	81	---	122	3	20
tert-Butylbenzene	4.09	ug/L	3.92		4.0	102	76	---	125	4	20
Tetrachloroethene	4.17	ug/L	4.06		4.0	104	82	---	123	3	20
Tetrahydrofuran	37.8	ug/L	34.7		40.0	94	69	---	122	9	20
Toluene	4.06	ug/L	3.81		4.0	102	82	---	119	6	20
trans-1,2-Dichloroethene	4.17	ug/L	3.95		4.0	104	80	---	122	5	20
trans-1,3-Dichloropropene	3.99	ug/L	3.92		4.0	100	83	---	119	2	20
Trichloroethene	4.12	ug/L	4.00		4.0	103	82	---	120	3	20
Trichlorofluoromethane	4.78	ug/L	4.42		4.0	120	78	---	130	8	20
Vinyl acetate	42.1	ug/L	35.2		40.0	105	63	---	136	18	20
Vinyl chloride	4.17	ug/L	4.05		4.0	104	73	---	127	3	20

Lab Control Spike Water

Analytical Run #:	267352	Analysis Date:	11/21/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1266625	Analysis Time:	08:21	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	4.05	ug/L			4.0	101	82	---	122		20
1,1,2,2-Tetrachloroethane	3.73	ug/L			4.0	93	68	---	128		20
1,1,2-Trichloroethane	3.74	ug/L			4.0	94	84	---	114		20
1,1-Dichloroethane	3.81	ug/L			4.0	95	76	---	122		20
1,1-Dichloroethene	4.08	ug/L			4.0	102	83	---	123		20
1,1-Dichloropropene	4.08	ug/L			4.0	102	85	---	120		20
1,2 Dichloroethane-d4	98.0	% Recovery			100	98.0	87	---	107		
1,2,3-Trichlorobenzene	3.64	ug/L			4.0	91	78	---	121		20
1,2,3-Trichloropropane	3.60	ug/L			4.0	90	62	---	129		20
1,2,4-Trichlorobenzene	3.91	ug/L			4.0	98	80	---	120		20
1,2,4-Trimethylbenzene	3.77	ug/L			4.0	94	76	---	125		20
1,2-Dibromo-3-chloropropane	3.47	ug/L			4.0	87	69	---	125		20
1,2-Dibromoethane	3.85	ug/L			4.0	96	80	---	118		20
1,2-Dichlorobenzene	3.67	ug/L			4.0	92	80	---	117		20
1,2-Dichloroethane	3.69	ug/L			4.0	92	78	---	118		20
1,2-Dichloropropane	3.67	ug/L			4.0	92	78	---	121		20
1,3,5-Trimethylbenzene	3.88	ug/L			4.0	97	76	---	126		20
1,3-Dichlorobenzene	3.68	ug/L			4.0	92	78	---	119		20
1,3-Dichloropropane	3.77	ug/L			4.0	94	82	---	117		20
1,4-Dichlorobenzene	3.69	ug/L			4.0	92	77	---	118		20
2,2-Dichloropropane	4.04	ug/L			4.0	101	71	---	133		20
2-Butanone	37.5	ug/L			40.0	94	80	---	120		20
2-Chlorotoluene	3.65	ug/L			4.0	91	73	---	124		20
2-Hexanone	37.9	ug/L			40.0	95	73	---	127		20
4-Chlorotoluene	3.79	ug/L			4.0	95	74	---	125		20
4-Methyl-2-pentanone	37.4	ug/L			40.0	94	77	---	125		20
Acetone	38.2	ug/L			40.0	96	72	---	117		20
Benzene	3.74	ug/L			4.0	94	82	---	118		20
Bromobenzene	3.69	ug/L			4.0	92	77	---	118		20
Bromochloromethane	3.70	ug/L			4.0	92	81	---	116		20
Bromodichloromethane	3.97	ug/L			4.0	99	80	---	122		20
Bromofluorobenzene	96.0	% Recovery			100	96.0	90	---	108		
Bromoform	4.09	ug/L			4.0	102	72	---	124		20
Bromomethane	4.04	ug/L			4.0	101	25	---	156		20
Carbon disulfide	8.61	ug/L			8.0	108	81	---	124		20
Carbon tetrachloride	4.34	ug/L			4.0	108	87	---	129		20
Chlorobenzene	3.77	ug/L			4.0	94	78	---	118		20
Chloroethane	3.79	ug/L			4.0	95	73	---	126		20
Chloroform	3.71	ug/L			4.0	93	76	---	119		20
Chloromethane	3.75	ug/L			4.0	94	70	---	121		20
cis-1,2-Dichloroethene	3.75	ug/L			4.0	94	82	---	118		20

Lab Control Spike Water

Analytical Run #:	267352	Analysis Date:	11/21/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1266625	Analysis Time:	08:21	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	3.95	ug/L			4.0	99	81	---	123		20
d8-Toluene	100	% Recovery			100	100	93	---	108		
Dibromochloromethane	3.98	ug/L			4.0	100	76	---	124		20
Dibromofluoromethane	101	% Recovery			100	101	93	---	106		
Dibromomethane	3.66	ug/L			4.0	92	83	---	115		20
Dichlorodifluoromethane	4.28	ug/L			4.0	107	78	---	126		20
Diisopropyl ether	3.72	ug/L			4.0	93	75	---	125		20
Ethylbenzene	3.83	ug/L			4.0	96	78	---	125		20
Hexachlorobutadiene	4.06	ug/L			4.0	102	79	---	123		20
Isopropylbenzene	4.09	ug/L			4.0	102	81	---	124		20
m & p-Xylene	7.77	ug/L			8.0	97	80	---	123		20
Methyl tert-butyl ether	3.71	ug/L			4.0	93	82	---	116		20
Methylene chloride	3.70	ug/L			4.0	92	73	---	128		20
n-Butylbenzene	4.17	ug/L			4.0	104	76	---	127		20
n-Propylbenzene	3.87	ug/L			4.0	97	75	---	129		20
Naphthalene	3.59	ug/L			4.0	90	64	---	129		20
o-Xylene	3.83	ug/L			4.0	96	81	---	121		20
p-Isopropyltoluene	4.03	ug/L			4.0	101	79	---	126		20
sec-Butylbenzene	4.06	ug/L			4.0	102	76	---	128		20
Styrene	3.98	ug/L			4.0	100	81	---	122		20
tert-Butylbenzene	3.92	ug/L			4.0	98	76	---	125		20
Tetrachloroethene	4.06	ug/L			4.0	102	82	---	123		20
Tetrahydrofuran	34.7	ug/L			40.0	87	69	---	122		20
Toluene	3.81	ug/L			4.0	95	82	---	119		20
trans-1,2-Dichloroethene	3.95	ug/L			4.0	99	80	---	122		20
trans-1,3-Dichloropropene	3.92	ug/L			4.0	98	83	---	119		20
Trichloroethene	4.00	ug/L			4.0	100	82	---	120		20
Trichlorofluoromethane	4.42	ug/L			4.0	110	78	---	130		20
Vinyl acetate	35.2	ug/L			40.0	88	63	---	136		20
Vinyl chloride	4.05	ug/L			4.0	101	73	---	127		20

Method Blank Water

Analytical Run #:	267352	Analysis Date:	11/21/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1266627	Analysis Time:	09:45	Prep Date/Time:		Method:	SW8260C
Parent Sample #:		Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	0.013	ug/L		U	0		0.013		
1,1,1-Trichloroethane	0.013	ug/L		U	0		0.013		
1,1,2,2-Tetrachloroethane	0.015	ug/L		U	0		0.015		
1,1,2-Trichloroethane	0.036	ug/L		U	0		0.036		
1,1-Dichloroethane	0.017	ug/L		U	0		0.017		
1,1-Dichloroethene	0.024	ug/L		U	0		0.024		
1,1-Dichloropropene	0.074	ug/L		U	0		0.074		
1,2 Dichloroethane-d4	101	% Recovery			100	101	68 --- 120		
1,2,3-Trichlorobenzene	0.019	ug/L		U	0		0.019		
1,2,3-Trichloropropane	0.031	ug/L		U	0		0.031		
1,2,4-Trichlorobenzene	0.0222	ug/L		U	0		0.0222		
1,2,4-Trimethylbenzene	0.011	ug/L		U	0		0.011		
1,2-Dibromo-3-chloropropane	0.12	ug/L		U	0		0.12		
1,2-Dibromoethane	0.029	ug/L		U	0		0.029		
1,2-Dichlorobenzene	0.016	ug/L		U	0		0.016		
1,2-Dichloroethane	0.017	ug/L		U	0		0.017		
1,2-Dichloropropane	0.013	ug/L		U	0		0.013		
1,3,5-Trimethylbenzene	0.013	ug/L		U	0		0.013		
1,3-Dichlorobenzene	0.013	ug/L		U	0		0.013		
1,3-Dichloropropane	0.020	ug/L		U	0		0.020		
1,4-Dichlorobenzene	0.017	ug/L		U	0		0.017		
2,2-Dichloropropane	0.075	ug/L		U	0		0.075		
2-Butanone	0.31	ug/L		U	0		0.31		
2-Chlorotoluene	0.020	ug/L		U	0		0.020		
2-Hexanone	0.15	ug/L		U	0		0.15		
4-Chlorotoluene	0.013	ug/L		U	0		0.013		
4-Methyl-2-pentanone	0.19	ug/L		U	0		0.19		
Acetone	1.03	ug/L			0		0.84		
Benzene	0.022	ug/L		U	0		0.022		
Bromobenzene	0.018	ug/L		U	0		0.018		
Bromochloromethane	0.034	ug/L		U	0		0.034		
Bromodichloromethane	0.019	ug/L		U	0		0.019		
Bromofluorobenzene	99.0	% Recovery			100	99.0	68 --- 120		
Bromoform	0.041	ug/L		U	0		0.041		
Bromomethane	0.052	ug/L		U	0		0.052		
Carbon disulfide	0.11	ug/L		U	0		0.11		
Carbon tetrachloride	0.018	ug/L		U	0		0.018		
Chlorobenzene	0.013	ug/L		U	0		0.013		
Chloroethane	0.40	ug/L		U	0		0.40		
Chloroform	0.016	ug/L		U	0		0.016		
Chloromethane	0.045	ug/L		U	0		0.045		
cis-1,2-Dichloroethene	0.023	ug/L		U	0		0.023		

Method Blank Water

Analytical Run #:	267352	Analysis Date:	11/21/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1266627	Analysis Time:	09:45	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	0.020	ug/L		U	0		0.020		
m & p-Xylene	0.030	ug/L		U	0		0.030		
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	0.020	ug/L		U	0		0.020		
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	0.021	ug/L		U	0		0.021		
Styrene	0.014	ug/L		U	0		0.014		
tert-Butylbenzene	0.020	ug/L		U	0		0.020		
Tetrachloroethene	0.028	ug/L		U	0		0.028		
Tetrahydrofuran	0.38	ug/L		U	0		0.38		
Toluene	0.020	ug/L		U	0		0.020		
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		

Duplicate

Analytical Run #:	267379	Analysis Date:	11/21/2022	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1266484	Analysis Time:	10:30	Prep Date/Time:		Method:	RSK175
Parent Sample #:	1264851	Analyst:	DGS	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Ethane	0.59	ug/L	0	U				0	20
Ethene	0.59	ug/L	0	U				0	20
Methane	0.45	ug/L	0	U				0	20

Lab Control Spike Duplicate Water

Analytical Run #:	267379	Analysis Date:	11/21/2022	Prep Batch #:	127843	Matrix:	LIQUID
CTLab #:	1265106	Analysis Time:	13:10	Prep Date/Time:	11/21/2022 07:10	Method:	RSK175
Parent Sample #:	1265105	Analyst:	DGS	Prep Analyst:	DGS		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Ethane	4.13	ug/L	3.92		4.76	87	66 --- 129	5	20
Ethene	5.87	ug/L	5.50		6.77	87	68 --- 128	7	20
Methane	2.07	ug/L	1.79		2.28	91	71 --- 126	15	20

Lab Control Spike Water

Analytical Run #:	267379	Analysis Date:	11/21/2022	Prep Batch #:	127843	Matrix:	LIQUID
CTLab #:	1265105	Analysis Time:	08:10	Prep Date/Time:	11/21/2022 07:10	Method:	RSK175
Parent Sample #:		Analyst:	DGS	Prep Analyst:	DGS		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Ethane	3.92	ug/L			4.76	82	66 --- 129		20
Ethene	5.50	ug/L			6.77	81	68 --- 128		20
Methane	1.79	ug/L			2.28	79	71 --- 126		20

Method Blank Water

Analytical Run #:	267379	Analysis Date:	11/21/2022	Prep Batch #:	127843	Matrix:	LIQUID
CTLab #:	1265104	Analysis Time:	08:13	Prep Date/Time:	11/21/2022 07:10	Method:	RSK175
Parent Sample #:		Analyst:	DGS	Prep Analyst:	DGS		

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		

Lab Control Spike Duplicate Water

Analytical Run #:	267431	Analysis Date:	11/23/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1267573	Analysis Time:	22:16	Prep Date/Time:		Method:	SW8260C
Parent Sample #:	1267356	Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	3.93	ug/L	4.18		4.0	98	78 --- 121	6	20
1,1,1-Trichloroethane	4.32	ug/L	4.66		4.0	108	82 --- 122	8	20
1,1,2,2-Tetrachloroethane	3.55	ug/L	4.30		4.0	89	68 --- 128	19	20
1,1,2-Trichloroethane	4.07	ug/L	4.42		4.0	102	84 --- 114	8	20
1,1-Dichloroethane	4.05	ug/L	4.24		4.0	101	76 --- 122	5	20
1,1-Dichloroethene	4.23	ug/L	4.65		4.0	106	83 --- 123	9	20
1,1-Dichloropropene	4.07	ug/L	4.63		4.0	102	85 --- 120	13	20
1,2 Dichloroethane-d4	100	% Recovery			100	100	87 --- 107	0	
1,2,3-Trichlorobenzene	4.49	ug/L	4.59		4.0	112	78 --- 121	2	20
1,2,3-Trichloropropane	3.49	ug/L	4.12		4.0	87	62 --- 129	17	20
1,2,4-Trichlorobenzene	4.47	ug/L	4.64		4.0	112	80 --- 120	4	20
1,2,4-Trimethylbenzene	3.73	ug/L	4.11		4.0	93	76 --- 125	10	20
1,2-Dibromo-3-chloropropane	4.42	ug/L	4.58		4.0	110	69 --- 125	4	20
1,2-Dibromoethane	4.05	ug/L	4.38		4.0	101	80 --- 118	8	20
1,2-Dichlorobenzene	3.87	ug/L	4.23		4.0	97	80 --- 117	9	20
1,2-Dichloroethane	4.13	ug/L	4.41		4.0	103	78 --- 118	7	20
1,2-Dichloropropane	3.96	ug/L	4.20		4.0	99	78 --- 121	6	20
1,3,5-Trimethylbenzene	3.83	ug/L	4.23		4.0	96	76 --- 126	10	20
1,3-Dichlorobenzene	3.74	ug/L	4.08		4.0	94	78 --- 119	9	20
1,3-Dichloropropane	4.22	ug/L	4.37		4.0	106	82 --- 117	3	20
1,4-Dichlorobenzene	3.75	ug/L	4.17		4.0	94	77 --- 118	11	20
2,2-Dichloropropane	3.32	ug/L	4.41		4.0	83	71 --- 133	28	20
2-Butanone	41.8	ug/L	42.8		40.0	104	80 --- 120	2	20
2-Chlorotoluene	3.70	ug/L	4.00		4.0	92	73 --- 124	8	20
2-Hexanone	45.2	ug/L	48.8		40.0	113	73 --- 127	8	20
4-Chlorotoluene	3.79	ug/L	4.14		4.0	95	74 --- 125	9	20
4-Methyl-2-pentanone	44.9	ug/L	47.2		40.0	112	77 --- 125	5	20
Acetone	45.6	ug/L	43.1		40.0	114	72 --- 117	6	20
Benzene	3.93	ug/L	4.15		4.0	98	82 --- 118	5	20
Bromobenzene	3.79	ug/L	4.03		4.0	95	77 --- 118	6	20
Bromochloromethane	3.92	ug/L	4.28		4.0	98	81 --- 116	9	20
Bromodichloromethane	4.23	ug/L	4.57		4.0	106	80 --- 122	8	20
Bromofluorobenzene	97.0	% Recovery			100	97.0	90 --- 108	0	
Bromoform	3.67	ug/L	4.75		4.0	92	72 --- 124	26	20
Bromomethane	1.94	ug/L	3.21		4.0	48	25 --- 156	49	20
Carbon disulfide	8.47	ug/L	8.82		8.0	106	81 --- 124	4	20
Carbon tetrachloride	4.67	ug/L	4.38		4.0	117	87 --- 129	6	20
Chlorobenzene	3.82	ug/L	4.04		4.0	96	78 --- 118	6	20
Chloroethane	4.05	ug/L	4.22		4.0	101	73 --- 126	4	20
Chloroform	3.97	ug/L	4.27		4.0	99	76 --- 119	7	20
Chloromethane	3.85	ug/L	4.19		4.0	96	70 --- 121	8	20
cis-1,2-Dichloroethene	3.92	ug/L	4.28		4.0	98	82 --- 118	9	20

Lab Control Spike Duplicate Water

Analytical Run #:	267431	Analysis Date:	11/23/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1267573	Analysis Time:	22:16	Prep Date/Time:		Method:	SW8260C
Parent Sample #:	1267356	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	3.84	ug/L	4.53		4.0	96	81	---	123	16	20
d8-Toluene	101	% Recovery			100	101	93	---	108	0	
Dibromochloromethane	4.02	ug/L	4.56		4.0	100	76	---	124	13	20
Dibromofluoromethane	105	% Recovery			100	105	93	---	106	0	
Dibromomethane	4.13	ug/L	4.28		4.0	103	83	---	115	4	20
Dichlorodifluoromethane	4.57	ug/L	4.68		4.0	114	78	---	126	2	20
Diisopropyl ether	4.15	ug/L	4.35		4.0	104	75	---	125	5	20
Ethylbenzene	3.90	ug/L	4.20		4.0	98	78	---	125	7	20
Hexachlorobutadiene	4.17	ug/L	4.25		4.0	104	79	---	123	2	20
Isopropylbenzene	4.14	ug/L	4.52		4.0	104	81	---	124	9	20
m & p-Xylene	7.83	ug/L	8.48		8.0	98	80	---	123	8	20
Methyl tert-butyl ether	3.56	ug/L	3.28		4.0	89	82	---	116	8	20
Methylene chloride	4.02	ug/L	4.32		4.0	100	73	---	128	7	20
n-Butylbenzene	4.07	ug/L	4.68		4.0	102	76	---	127	14	20
n-Propylbenzene	3.87	ug/L	4.26		4.0	97	75	---	129	10	20
Naphthalene	4.20	ug/L	4.18		4.0	105	64	---	129	0	20
o-Xylene	3.83	ug/L	4.19		4.0	96	81	---	121	9	20
p-Isopropyltoluene	3.92	ug/L	4.40		4.0	98	79	---	126	12	20
sec-Butylbenzene	3.96	ug/L	4.43		4.0	99	76	---	128	11	20
Styrene	4.00	ug/L	4.29		4.0	100	81	---	122	7	20
tert-Butylbenzene	3.83	ug/L	4.22		4.0	96	76	---	125	10	20
Tetrachloroethene	4.21	ug/L	4.67		4.0	105	82	---	123	10	20
Tetrahydrofuran	40.8	ug/L	42.1		40.0	102	69	---	122	3	20
Toluene	3.96	ug/L	4.28		4.0	99	82	---	119	8	20
trans-1,2-Dichloroethene	4.02	ug/L	4.34		4.0	100	80	---	122	8	20
trans-1,3-Dichloropropene	3.80	ug/L	4.59		4.0	95	83	---	119	19	20
Trichloroethene	4.61	ug/L	4.43		4.0	115	82	---	120	4	20
Trichlorofluoromethane	4.72	ug/L	4.44		4.0	118	78	---	130	6	20
Vinyl acetate	33.4	ug/L	43.6		40.0	84	63	---	136	26	20
Vinyl chloride	4.10	ug/L	4.43		4.0	102	73	---	127	8	20

Lab Control Spike Water

Analytical Run #:	267431	Analysis Date:	11/23/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1267356	Analysis Time:	10:56	Prep Date/Time:		Method:	SW8260C
Parent Sample #:		Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits			RPD	RPD Limit
1,1,1,2-Tetrachloroethane	4.18	ug/L			4.0	104	78	---	121		20
1,1,1-Trichloroethane	4.66	ug/L			4.0	116	82	---	122		20
1,1,2,2-Tetrachloroethane	4.30	ug/L			4.0	108	68	---	128		20
1,1,2-Trichloroethane	4.42	ug/L			4.0	110	84	---	114		20
1,1-Dichloroethane	4.24	ug/L			4.0	106	76	---	122		20
1,1-Dichloroethene	4.65	ug/L			4.0	116	83	---	123		20
1,1-Dichloropropene	4.63	ug/L			4.0	116	85	---	120		20
1,2 Dichloroethane-d4	105	% Recovery			100	105	87	---	107		
1,2,3-Trichlorobenzene	4.59	ug/L			4.0	115	78	---	121		20
1,2,3-Trichloropropane	4.12	ug/L			4.0	103	62	---	129		20
1,2,4-Trichlorobenzene	4.64	ug/L			4.0	116	80	---	120		20
1,2,4-Trimethylbenzene	4.11	ug/L			4.0	103	76	---	125		20
1,2-Dibromo-3-chloropropane	4.58	ug/L			4.0	114	69	---	125		20
1,2-Dibromoethane	4.38	ug/L			4.0	110	80	---	118		20
1,2-Dichlorobenzene	4.23	ug/L			4.0	106	80	---	117		20
1,2-Dichloroethane	4.41	ug/L			4.0	110	78	---	118		20
1,2-Dichloropropane	4.20	ug/L			4.0	105	78	---	121		20
1,3,5-Trimethylbenzene	4.23	ug/L			4.0	106	76	---	126		20
1,3-Dichlorobenzene	4.08	ug/L			4.0	102	78	---	119		20
1,3-Dichloropropane	4.37	ug/L			4.0	109	82	---	117		20
1,4-Dichlorobenzene	4.17	ug/L			4.0	104	77	---	118		20
2,2-Dichloropropane	4.41	ug/L			4.0	110	71	---	133		20
2-Butanone	42.8	ug/L			40.0	107	80	---	120		20
2-Chlorotoluene	4.00	ug/L			4.0	100	73	---	124		20
2-Hexanone	48.8	ug/L			40.0	122	73	---	127		20
4-Chlorotoluene	4.14	ug/L			4.0	104	74	---	125		20
4-Methyl-2-pentanone	47.2	ug/L			40.0	118	77	---	125		20
Acetone	43.1	ug/L			40.0	108	72	---	117		20
Benzene	4.15	ug/L			4.0	104	82	---	118		20
Bromobenzene	4.03	ug/L			4.0	101	77	---	118		20
Bromochloromethane	4.28	ug/L			4.0	107	81	---	116		20
Bromodichloromethane	4.57	ug/L			4.0	114	80	---	122		20
Bromofluorobenzene	97.0	% Recovery			100	97.0	90	---	108		
Bromoform	4.75	ug/L			4.0	119	72	---	124		20
Bromomethane	3.21	ug/L			4.0	80	25	---	156		20
Carbon disulfide	8.82	ug/L			8.0	110	81	---	124		20
Carbon tetrachloride	4.38	ug/L			4.0	110	87	---	129		20
Chlorobenzene	4.04	ug/L			4.0	101	78	---	118		20
Chloroethane	4.22	ug/L			4.0	106	73	---	126		20
Chloroform	4.27	ug/L			4.0	107	76	---	119		20
Chloromethane	4.19	ug/L			4.0	105	70	---	121		20
cis-1,2-Dichloroethene	4.28	ug/L			4.0	107	82	---	118		20

Lab Control Spike Water

Analytical Run #:	267431	Analysis Date:	11/23/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1267356	Analysis Time:	10:56	Prep Date/Time:		Method:	SW8260C
Parent Sample #:		Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	4.53	ug/L			4.0	113	81 --- 123		20
d8-Toluene	102	% Recovery			100	102	93 --- 108		
Dibromochloromethane	4.56	ug/L			4.0	114	76 --- 124		20
Dibromofluoromethane	105	% Recovery			100	105	93 --- 106		
Dibromomethane	4.28	ug/L			4.0	107	83 --- 115		20
Dichlorodifluoromethane	4.68	ug/L			4.0	117	78 --- 126		20
Diisopropyl ether	4.35	ug/L			4.0	109	75 --- 125		20
Ethylbenzene	4.20	ug/L			4.0	105	78 --- 125		20
Hexachlorobutadiene	4.25	ug/L			4.0	106	79 --- 123		20
Isopropylbenzene	4.52	ug/L			4.0	113	81 --- 124		20
m & p-Xylene	8.48	ug/L			8.0	106	80 --- 123		20
Methyl tert-butyl ether	3.28	ug/L			4.0	82	82 --- 116		20
Methylene chloride	4.32	ug/L			4.0	108	73 --- 128		20
n-Butylbenzene	4.68	ug/L			4.0	117	76 --- 127		20
n-Propylbenzene	4.26	ug/L			4.0	106	75 --- 129		20
Naphthalene	4.18	ug/L			4.0	104	64 --- 129		20
o-Xylene	4.19	ug/L			4.0	105	81 --- 121		20
p-Isopropyltoluene	4.40	ug/L			4.0	110	79 --- 126		20
sec-Butylbenzene	4.43	ug/L			4.0	111	76 --- 128		20
Styrene	4.29	ug/L			4.0	107	81 --- 122		20
tert-Butylbenzene	4.22	ug/L			4.0	106	76 --- 125		20
Tetrachloroethene	4.67	ug/L			4.0	117	82 --- 123		20
Tetrahydrofuran	42.1	ug/L			40.0	105	69 --- 122		20
Toluene	4.28	ug/L			4.0	107	82 --- 119		20
trans-1,2-Dichloroethene	4.34	ug/L			4.0	108	80 --- 122		20
trans-1,3-Dichloropropene	4.59	ug/L			4.0	115	83 --- 119		20
Trichloroethene	4.43	ug/L			4.0	111	82 --- 120		20
Trichlorofluoromethane	4.44	ug/L			4.0	111	78 --- 130		20
Vinyl acetate	43.6	ug/L			40.0	109	63 --- 136		20
Vinyl chloride	4.43	ug/L			4.0	111	73 --- 127		20

Method Blank Water

Analytical Run #:	267431	Analysis Date:	11/23/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1267362	Analysis Time:	12:21	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	98.0	% Recovery			100	98.0	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	1.14	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	98.0	% Recovery			100	98.0	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	0.534	ug/L			0		0.045		
cis-1,2-Dichloroethene	0.023	ug/L		U	0		0.023		

Method Blank Water

Analytical Run #:	267431	Analysis Date:	11/23/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1267362	Analysis Time:	12:21	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	101	% Recovery			100	101	71 --- 117		
Dibromochloromethane	0.016	ug/L		U	0		0.016		
Dibromofluoromethane	102	% Recovery			100	102	67 --- 122		
Dibromomethane	0.018	ug/L		U	0		0.018		
Dichlorodifluoromethane	0.091	ug/L		U	0		0.091		
Diisopropyl ether	0.015	ug/L		U	0		0.015		
Ethylbenzene	0.014	ug/L		U	0		0.014		
Hexachlorobutadiene	0.027	ug/L		U	0		0.027		
Isopropylbenzene	0.020	ug/L		U	0		0.020		
m & p-Xylene	0.030	ug/L		U	0		0.030		
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	0.020	ug/L		U	0		0.020		
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	0.021	ug/L		U	0		0.021		
Styrene	0.014	ug/L		U	0		0.014		
tert-Butylbenzene	0.020	ug/L		U	0		0.020		
Tetrachloroethene	0.028	ug/L		U	0		0.028		
Tetrahydrofuran	0.38	ug/L		U	0		0.38		
Toluene	0.020	ug/L		U	0		0.020		
trans-1,2-Dichloroethene	0.020	ug/L		U	0		0.020		
trans-1,3-Dichloropropene	0.020	ug/L		U	0		0.020		
Trichloroethene	0.022	ug/L		U	0		0.022		
Trichlorofluoromethane	0.033	ug/L		U	0		0.033		
Vinyl acetate	0.14	ug/L		U	0		0.14		
Vinyl chloride	0.019	ug/L		U	0		0.019		

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Condition Report

Folder #:	173767	Print Date / Time:	11/17/2022	11:45	
Client:	HYDE ENVIRONMENTAL, INC.	Received Date / Time / By:	11/17/2022	11:30	erc
Project Name:	OEC SUPERFUND WI	Log-In Date / Time / By:	11/17/2022	11:45	erc
Project Phase:	ASHIPPUN, WI	Project #:		PM:	BMS
Coolers:	6708,6489	Temperature:	<5.5 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:			
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
1264833 MW-1S				
	UNPRES PL	1	/	ALK,Anions
	Total # of Containers of Type (*UNPRES PL*) = 1			
1264833 MW-1S				
	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
	Total # of Containers of Type (*VOA HCL*) = 5			
1264833 MW-1S				
	HNO3	1	Y / N	ICP
	Total # of Containers of Type (*HNO3*) = 1			
1264833 MW-1S				
	NAOH W/ZNAC	1	Y / N	SLFD
	Total # of Containers of Type (*NAOH W/ZNAC*) = 1			
1264833 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
1264834 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**
1264835	MW-14DR					
		UNPRES PL	1	/		ALK,Anions
		Total # of Containers of Type	**(*UNPRES PL*) = 1**			
1264835	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
		Total # of Containers of Type	**(*VOA HCL*) = 5**			
1264835	MW-14DR					
		HNO3	1	Y /	N	ICP
		Total # of Containers of Type	**(*HNO3*) = 1**			
1264835	MW-14DR					
		NAOH W/ZNAC	1	Y /	N	SLFD
		Total # of Containers of Type	**(*NAOH W/ZNAC*) = 1**			
1264835	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**
1264836	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**
1264837	MW-105S					
		UNPRES PL	1	/		ALK,Anions
		Total # of Containers of Type	**(*UNPRES PL*) = 1**			
1264837	MW-105S					
		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
		Total # of Containers of Type	**(*VOA HCL*) = 5**			
1264837	MW-105S					
		HNO3	1	Y /	N	ICP
		Total # of Containers of Type	**(*HNO3*) = 1**			
1264837	MW-105S					
		NAOH W/ZNAC	1	Y /	N	SLFD

		Total # of Containers of Type	**(*NAOH W/ZNAC*) =**	**1**		
1264837	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**
1264838	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**
1264839	MW-105D					
		UNPRES PL	1	/		ALK,Anions
		Total # of Containers of Type	**(*UNPRES PL*) =**	**1**		
1264839	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
		Total # of Containers of Type	**(*VOA HCL*) =**	**5**		
1264839	MW-105D					
		HNO3	1	Y / N		ICP
		Total # of Containers of Type	**(*HNO3*) =**	**1**		
1264839	MW-105D					
		NAOH W/ZNAC	1	Y / N		SLFD
		Total # of Containers of Type	**(*NAOH W/ZNAC*) =**	**1**		
1264839	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**
1264840	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**
1264841	MW-105B					
		UNPRES PL	1	/		ALK,Anions
		Total # of Containers of Type	**(*UNPRES PL*) =**	**1**		
1264841	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
		Total # of Containers of Type (*VOA HCL*) = 5				
1264841	MW-105B					
		HNO3	1	Y	/ N	ICP
		Total # of Containers of Type (*HNO3*) = 1				
1264841	MW-105B					
		NAOH W/ZNAC	1	Y	/ N	SLFD
		Total # of Containers of Type (*NAOH W/ZNAC*) = 1				
1264841	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
1264842	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
1264843	DUP A				
		UNPRES PL	1	/	ALK,Anions
		Total # of Containers of Type (*UNPRES PL*) = 1			
1264843	DUP A				
		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
		Total # of Containers of Type (*VOA HCL*) = 5			
1264843	DUP A				
		HNO3	1	Y / N	ICP
		Total # of Containers of Type (*HNO3*) = 1			
1264843	DUP A				
		NAOH W/ZNAC	1	Y / N	SLFD
		Total # of Containers of Type (*NAOH W/ZNAC*) = 1			
1264843	DUP A				
		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
1264844	DUP A				
		HNO3	1	Y / N	ICP
		Total # of Containers of Type (*HNO3*) = 1			

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

1264845	MW-16S					
		UNPRES PL	1		/	ALK,Anions
		Total # of Containers of Type	**(*UNPRES PL*) = 1**			
1264845	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
		Total # of Containers of Type	**(*VOA HCL*) = 5**			
1264845	MW-16S					
		HNO3	1	Y	/ N	ICP
		Total # of Containers of Type	**(*HNO3*) = 1**			
1264845	MW-16S					
		NAOH W/ZNAC	1	Y	/ N	SLFD
		Total # of Containers of Type	**(*NAOH W/ZNAC*) = 1**			
1264845	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**
1264846	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**
1264847	MW-101S				
		UNPRES PL	1	/	ALK,Anions
		Total # of Containers of Type	**(*UNPRES PL*) = 1**		
1264847	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
		Total # of Containers of Type	**(*VOA HCL*) = 5**		
1264847	MW-101S				
		HNO3	1	Y / N	ICP
		Total # of Containers of Type	**(*HNO3*) = 1**		
1264847	MW-101S				
		NAOH W/ZNAC	1	Y / N	SLFD
		Total # of Containers of Type	**(*NAOH W/ZNAC*) = 1**		
1264847	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
1264848	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
1264849	MW-101B				
		UNPRES PL	1	/	ALK,Anions
		Total # of Containers of Type	**(*UNPRES PL*) = 1**		
1264849	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
		Total # of Containers of Type	**(*VOA HCL*) = 5**		
1264849	MW-101B				
		HNO3	1	Y / N	ICP
		Total # of Containers of Type	**(*HNO3*) = 1**		
1264849	MW-101B				
		NAOH W/ZNAC	1	Y / N	SLFD
		Total # of Containers of Type	**(*NAOH W/ZNAC*) = 1**		
1264849	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
1264850	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
1264851	MW-102S				
		UNPRES PL	1	/	ALK,Anions
		Total # of Containers of Type	**(*UNPRES PL*) = 1**		
1264851	MW-102S				
		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
		Total # of Containers of Type	**(*VOA HCL*) = 5**		

1264851	MW-102S						
		HNO3	1	Y	/	N	ICP
		Total # of Containers of Type	(***HNO3***) = **1**				
1264851	MW-102S						
		NAOH W/ZNAC	1	Y	/	N	SLFD
		Total # of Containers of Type	(***NAOH W/ZNAC***) = **1**				
1264851	MW-102S						
		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
1264852	MW-102S				
		HNO3	1	Y / N	ICP
		Total # of Containers of Type	(***HNO3***) = **1**		

Sample ID /	Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
1264853	MW-102D				
		UNPRES PL	1	/	ALK,Anions
		Total # of Containers of Type	(***UNPRES PL***) = **1**		
1264853	MW-102D				
		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
		Total # of Containers of Type	(***VOA HCL***) = **5**		
1264853	MW-102D				
		HNO3	1	Y / N	ICP
		Total # of Containers of Type	(***HNO3***) = **1**		
1264853	MW-102D				
		NAOH W/ZNAC	1	Y / N	SLFD
		Total # of Containers of Type	(***NAOH W/ZNAC***) = **1**		
1264853	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
1264854	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
1264855	MW-15D				
		UNPRES PL	1	/	ALK,Anions

		Total # of Containers of Type	**(*UNPRES PL*) =**	**1**		
1264855	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
		Total # of Containers of Type	**(*VOA HCL*) =**	**5**		
1264855	MW-15D					
		HNO3	1	Y	/ N	ICP
		Total # of Containers of Type	**(*HNO3*) =**	**1**		
1264855	MW-15D					
		NAOH W/ZNAC	1	Y	/ N	SLFD
		Total # of Containers of Type	**(*NAOH W/ZNAC*) =**	**1**		
1264855	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**
1264856	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**
1264857	MW-15S				
		UNPRES PL	1	/	ALK,Anions
		Total # of Containers of Type	**(*UNPRES PL*) =**	**1**	
1264857	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
		Total # of Containers of Type	**(*VOA HCL*) =**	**5**	
1264857	MW-15S				
		HNO3	1	Y / N	ICP
		Total # of Containers of Type	**(*HNO3*) =**	**1**	
1264857	MW-15S				
		NAOH W/ZNAC	1	Y / N	SLFD
		Total # of Containers of Type	**(*NAOH W/ZNAC*) =**	**1**	
1264857	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
1264858	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
1264859	TRIP BLANK				
		Trip Blank	1	/	VOC
		Total # of Containers of Type (*Trip Blank*) = 1			
1264859	TRIP BLANK				
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		Total # of Containers of Type (*VOA HCL*) = 2			

Condition Code *Condition Description*

1 Sample Received OK

Rev. 02/2017

CHAIN OF CUSTODY

Page 1 of 2

Company: Hyde Environmental
Project Contact: Jim Lindemann
Telephone: 262-250-1226
Project Name: OEC Superfund WI
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

Folder # 173767
Company: HYDE ENVIRONMENTAL, IN
Project: OCONOMOWOC ELECTROPL
Logged By: erc PM: BMS

Program:
QSM RCRA SDWA NPDES
Solid Waste Other Superfund
PO #

Report To:
EMAIL: jclindemann@hyde-envi.com
Company: Hyde Environmental
Address: W175N11163 Stonewood Dr
IID, Germantown WI

Invoice To:*
EMAIL:
Company:
Address: same

*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

ANALYSES REQUESTED

Filtered? Y/N	VOCs + 1,4 Dioxane low level (8260C)	Methane, Ethane, Ethene (RSK)	Total Fe (6010C)	Total Mn (6010C)	Dissolved Fe (6010C)	Dissolved Mn (6010C)	Alkalinity (310.1)	Chloride (9056A)	Sulfate (9056A)	Nitrate (9056A)	Sulfide (SM 4500-S2 D)	TOC (9060A)					Total # Containers	Designated MS/MSD
	X	X	X	X	X						1						1	
	3	2	1	1	1	1	1	1	1	1	1						10	
	3	2																

Fill in Spaces with Bottles per Test

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 Date	Collection Time	Matrix	Grab/ Comp	Sample #	Sample ID Description	CT Lab ID # (Lab use only)
11-15-22	1330	GW	G		MW-103S	126432
11-16-22	0730				MW-1S	126433,34
	0830				MW-14DR	35,36
	0900				MW-105S	37,38
	0930				MW-105D	39,40
	1015				MW-105B	41,42
					DupA	43,44
	1145				MW-16S	45,46
	1230				MW-101S	47,48
	1300				MW-101B	49,50
	1400				MW-102S	51,52
	1430				MW-102D	53,54

Relinquished By	Date/Time	Received By:	Date/Time
Logan Cranley	11-16-22 1640		11/17 1130
Received by:	Date/Time	Received for Laboratory by:	Date/Time
			11/17 1156

Lab Use Only
Ice Present Yes No
Temp 4.3, 5.5 IR Gun 27
Cooler: 6708, 6459

Rev. 02/2017

CHAIN OF CUSTODY

Company: Hyde Environmental
Project Contact: Jim Lindemann
Telephone: 262-250-1226
Project Name: OEC Superfund WI
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:
173767

Program:
QSM RCRA SDWA NPDES
Solid Waste Other Superfund

PO #

Report To:
EMAIL: jclindemann@hyde-env.com
Company: Hyde Environmental
Address: W175W11163 Stonewood Dr
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

Collection Date	Collection Time	Matrix	Grab/ Comp	Sample #	Sample ID Description	Filtered? Y/N	VOCs + 1,4 Dioxane (8260C)	Low Level Methane, Ethane, Ethene (RSK-175)	Total Fe (6010C)	Total Mn (6010C)	Dissolved Fe (6010C)	Dissolved Mn (6010C)	Alkalinity (310.2)	Chloride (9056A)	Sulfate (9056A)	Nitrate (9056A)	Sulfide (SM 4500-S2F)	TOC (9060A)				Total # Containers	Designated MS/MSD	CT Lab ID # (Lab use only)
						Fill in Spaces with Bottles per Test																		
11-16-22	1500	GW	G		MW-150		3	2	1	1	1	1	1	1	1	1	1	1				10		12648559,56
↓	1530	↓	↓		MW-155		↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓				10		57,58
					Trip Blank		3															3		59

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

Relinquished By:	Date/Time	Received By:	Date/Time	Lab Use Only
Logan Cranley	11-16-22 1640		11-16-22 1630	Ice Present Yes No
Received by:	Date/Time	Received for Laboratory by:	Date/Time	Temp 4.3, 5.5 IR Gun 27
			11/17 1151	Cooler # 6704, 6459

CT LABORATORIES

delivering more than data from your environmental analyses

ANALYTICAL REPORT

This report at a minimum contains the following information:

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

CT LABORATORIES
delivering more than data from your environmental analyses

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

ANALYTICAL REPORT

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

Project Name: OEC SUPERFUND WI
Project Phase: ASHIPPUN, WI
Contract #: 3451
Project #:
Folder #: 173810
Purchase Order #:

Arrival Temperature: 4.1
Report Date: 12/13/2022
Date Received: 11/18/2022
Reprint Date: 12/13/2022

CT LAB Sample#: 1265448 Sample Description: MW-15B License/Well #: 04189/034 Sampled: 11/17/2022 08:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Dissolved Oxygen (Field)	**0.27**	mg/L			1			11/17/2022 08:30	SUB	FIELD
Depth to Groundwater (Field)	**8.89**	Feet			1			11/17/2022 08:30	SUB	FIELD
OX/REDOX (Field)	-48.1	MV			1			11/17/2022 08:30	SUB	FIELD
Color (Field)	**CLEAR**		N/A	N/A	1			11/17/2022 08:30	SUB	FIELD
Conductivity (Field)	**1451.4**	umhos/cm			1			11/17/2022 08:30	SUB	FIELD
Odor (Field)	**NONE**		N/A	N/A	1			11/17/2022 08:30	SUB	FIELD
pH (Field)	**7.47**	S.U.			1			11/17/2022 08:30	SUB	FIELD
Temperature (Field)	**11.25**	Deg. C			1			11/17/2022 08:30	SUB	FIELD
Turbidity (Field)	**7.85**	NTU			1			11/17/2022 08:30	SUB	FIELD
Inorganic Results										
Alkalinity Total	**260**	mg/L	21	70	1			11/22/2022 11:44	BRB	EPA 310.2
Total Sulfide	<1.0	mg/L	1.0		1			11/21/2022 09:00	ATJ	SM 4500-S2F
Nitrate Nitrogen Total	**0.15**	mg/L	0.12 *	0.4	1			11/18/2022 23:05	TMG	EPA 9056A
Total Chloride	**430**	mg/L	50	160	50			11/18/2022 23:25	TMG	EPA 9056A
Total Sulfate	**1.5**	mg/L	0.8 *	2.5	1			11/18/2022 23:05	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#: 1265448 Sample Description: MW-15B License/Well #: 04189/034 Sampled: 11/17/2022 08:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Total Organic Carbon	**0.76**	mg/L	0.4 *	1.3	1			11/21/2022 15:15	TMG	EPA 9060A
Metals Results										
Total Iron	**3.96**	mg/L	0.033	0.11	1		11/18/2022 13:10	11/21/2022 16:20	NAH	EPA 6010C
Total Manganese	**355**	ug/L	1.5	5.0	1		11/18/2022 13:10	11/21/2022 16:20	NAH	EPA 6010C
Organic Results										
Ethane	<0.38	ug/L	0.38	1.3	1		11/21/2022 07:10	11/21/2022 12:20	DGS	RSK 175
Ethene	<0.59	ug/L	0.59	2.0	1		11/21/2022 07:10	11/21/2022 12:20	DGS	RSK 175
Methane	**570**	ug/L	45	150	100		11/21/2022 07:10	11/21/2022 12:34	DGS	RSK 175
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			11/23/2022 17:32	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			11/23/2022 17:32	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			11/23/2022 17:32	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			11/23/2022 17:32	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/23/2022 17:32	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			11/23/2022 17:32	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			11/23/2022 17:32	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			11/23/2022 17:32	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			11/23/2022 17:32	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			11/23/2022 17:32	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			11/23/2022 17:32	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			11/23/2022 17:32	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			11/23/2022 17:32	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			11/23/2022 17:32	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/23/2022 17:32	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			11/23/2022 17:32	RLD	EPA 8260C

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

CT LAB Sample#: 1265448 Sample Description: MW-15B License/Well #: 04189/034 Sampled: 11/17/2022 08:30

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			11/23/2022 17:32	RLD	EPA 8260C
1,3-Dichlorobenzene	**0.041**	ug/L	0.013 *	0.10	1			11/23/2022 17:32	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			11/23/2022 17:32	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			11/23/2022 17:32	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1	Y		11/23/2022 17:32	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			11/23/2022 17:32	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			11/23/2022 17:32	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			11/23/2022 17:32	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			11/23/2022 17:32	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			11/23/2022 17:32	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			11/23/2022 17:32	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			11/23/2022 17:32	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			11/23/2022 17:32	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			11/23/2022 17:32	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			11/23/2022 17:32	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1	Y		11/23/2022 17:32	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1	Y		11/23/2022 17:32	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			11/23/2022 17:32	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			11/23/2022 17:32	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			11/23/2022 17:32	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			11/23/2022 17:32	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			11/23/2022 17:32	RLD	EPA 8260C
Chloromethane	**0.20**	ug/L	0.045	0.20	1	B		11/23/2022 17:32	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1			11/23/2022 17:32	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			11/23/2022 17:32	RLD	EPA 8260C

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

CT LAB Sample#: 1265448 Sample Description: MW-15B License/Well #: 04189/034 Sampled: 11/17/2022 08:30

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			11/23/2022 17:32	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			11/23/2022 17:32	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			11/23/2022 17:32	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			11/23/2022 17:32	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			11/23/2022 17:32	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			11/23/2022 17:32	RLD	EPA 8260C
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1			11/23/2022 17:32	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1			11/23/2022 17:32	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			11/23/2022 17:32	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			11/23/2022 17:32	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/23/2022 17:32	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1			11/23/2022 17:32	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			11/23/2022 17:32	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			11/23/2022 17:32	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			11/23/2022 17:32	RLD	EPA 8260C
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/23/2022 17:32	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			11/23/2022 17:32	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1			11/23/2022 17:32	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			11/23/2022 17:32	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			11/23/2022 17:32	RLD	EPA 8260C
Toluene	<0.020	ug/L	0.020	0.10	1			11/23/2022 17:32	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			11/23/2022 17:32	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			11/23/2022 17:32	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			11/23/2022 17:32	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			11/23/2022 17:32	RLD	EPA 8260C

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

CT LAB Sample#: 1265448 Sample Description: MW-15B License/Well #: 04189/034 Sampled: 11/17/2022 08:30

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	Y		11/23/2022 17:32	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			11/23/2022 17:32	RLD	EPA 8260C
1,4-Dioxane	<7.0	ug/L	7.0	23	1			11/23/2022 17:32	RLD	EPA 8260C

CT LAB Sample#: 1265449 Sample Description: MW-15B License/Well #: 04189/034 Sampled: 11/17/2022 08:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Iron	**3.89**	mg/L	0.027	0.09	1			11/18/2022 22:42	NAH	EPA 6010C
Dissolved Manganese	**372**	ug/L	1.2	5.0	1			11/18/2022 22:42	NAH	EPA 6010C

CT LAB Sample#: 1265450 Sample Description: DUP-B License/Well #: 04189/034 Sampled: 11/17/2022 08:30

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			11/22/2022 11:45	BRB	EPA 310.2
Total Sulfide	<1.0	mg/L	1.0		1			11/21/2022 09:00	ATJ	SM 4500-S2F
Nitrate Nitrogen Total	<0.12	mg/L	0.12	0.4	1			11/18/2022 23:45	TMG	EPA 9056A
Total Chloride	**520**	mg/L	20	64	20			11/21/2022 13:38	TMG	EPA 9056A
Total Sulfate	**3.0**	mg/L	0.8	2.5	1			11/18/2022 23:45	TMG	EPA 9056A
Total Organic Carbon	**0.86**	mg/L	0.4 *	1.3	1			11/21/2022 15:57	TMG	EPA 9060A
Metals Results										
Total Iron	**4.06**	mg/L	0.033	0.11	1		11/18/2022 13:10	11/21/2022 16:50	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#: 1265450 Sample Description: DUP-B License/Well #: 04189/034 Sampled: 11/17/2022 08:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Total Manganese	**365**	ug/L	1.5	5.0	1		11/18/2022 13:10	11/21/2022 16:50	NAH	EPA 6010C
Organic Results										
Ethane	<0.38	ug/L	0.38	1.3	1		11/21/2022 07:10	11/21/2022 12:38	DGS	RSK 175
Ethene	<0.59	ug/L	0.59	2.0	1		11/21/2022 07:10	11/21/2022 12:38	DGS	RSK 175
Methane	**1200**	ug/L	45	150	100		11/21/2022 07:10	11/21/2022 12:52	DGS	RSK 175
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			11/23/2022 18:00	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			11/23/2022 18:00	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			11/23/2022 18:00	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			11/23/2022 18:00	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/23/2022 18:00	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			11/23/2022 18:00	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			11/23/2022 18:00	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			11/23/2022 18:00	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			11/23/2022 18:00	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			11/23/2022 18:00	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			11/23/2022 18:00	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			11/23/2022 18:00	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			11/23/2022 18:00	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			11/23/2022 18:00	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/23/2022 18:00	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			11/23/2022 18:00	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			11/23/2022 18:00	RLD	EPA 8260C
1,3-Dichlorobenzene	**0.050**	ug/L	0.013 *	0.10	1			11/23/2022 18:00	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			11/23/2022 18:00	RLD	EPA 8260C

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

CT LAB Sample#: 1265450 Sample Description: DUP-B License/Well #: 04189/034 Sampled: 11/17/2022 08:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			11/23/2022 18:00	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1	Y		11/23/2022 18:00	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			11/23/2022 18:00	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			11/23/2022 18:00	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			11/23/2022 18:00	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			11/23/2022 18:00	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			11/23/2022 18:00	RLD	EPA 8260C
Acetone	**0.98**	ug/L	0.84 *	4.0	1	B		11/23/2022 18:00	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			11/23/2022 18:00	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			11/23/2022 18:00	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			11/23/2022 18:00	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			11/23/2022 18:00	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1	Y		11/23/2022 18:00	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1	Y		11/23/2022 18:00	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			11/23/2022 18:00	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			11/23/2022 18:00	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			11/23/2022 18:00	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			11/23/2022 18:00	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			11/23/2022 18:00	RLD	EPA 8260C
Chloromethane	**0.19**	ug/L	0.045 *	0.20	1	B		11/23/2022 18:00	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1			11/23/2022 18:00	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			11/23/2022 18:00	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			11/23/2022 18:00	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			11/23/2022 18:00	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			11/23/2022 18:00	RLD	EPA 8260C

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

CT LAB Sample#: 1265450 Sample Description: DUP-B License/Well #: 04189/034 Sampled: 11/17/2022 08:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			11/23/2022 18:00	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			11/23/2022 18:00	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			11/23/2022 18:00	RLD	EPA 8260C
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1			11/23/2022 18:00	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1			11/23/2022 18:00	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			11/23/2022 18:00	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			11/23/2022 18:00	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/23/2022 18:00	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1			11/23/2022 18:00	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			11/23/2022 18:00	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			11/23/2022 18:00	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			11/23/2022 18:00	RLD	EPA 8260C
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/23/2022 18:00	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			11/23/2022 18:00	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1			11/23/2022 18:00	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			11/23/2022 18:00	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			11/23/2022 18:00	RLD	EPA 8260C
Toluene	<0.020	ug/L	0.020	0.10	1			11/23/2022 18:00	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			11/23/2022 18:00	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			11/23/2022 18:00	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			11/23/2022 18:00	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			11/23/2022 18:00	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1	Y		11/23/2022 18:00	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			11/23/2022 18:00	RLD	EPA 8260C
1,4-Dioxane	<7.0	ug/L	7.0	23	1			11/23/2022 18:00	RLD	EPA 8260C

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

CT LAB Sample#: 1265450 Sample Description: DUP-B License/Well #: 04189/034 Sampled: 11/17/2022 08:30

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

CT LAB Sample#: 1265451 Sample Description: DUP-B License/Well #: 04189/034 Sampled: 11/17/2022 08:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Iron	**3.94**	mg/L	0.027	0.09	1			11/18/2022 22:50	NAH	EPA 6010C
Dissolved Manganese	**378**	ug/L	1.2	5.0	1			11/18/2022 22:50	NAH	EPA 6010C

CT LAB Sample#: 1265452 Sample Description: MW-13S License/Well #: 04189/023 Sampled: 11/17/2022 10:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Dissolved Oxygen (Field)	**4.25**	mg/L			1			11/17/2022 10:30	SUB	FIELD
Depth to Groundwater (Field)	**5.26**	Feet			1			11/17/2022 10:30	SUB	FIELD
OX/REDOX (Field)	**18.7**	MV			1			11/17/2022 10:30	SUB	FIELD
Color (Field)	**YELLOW**		N/A	N/A	1			11/17/2022 10:30	SUB	FIELD
Conductivity (Field)	**667.21**	umhos/cm			1			11/17/2022 10:30	SUB	FIELD
Odor (Field)	**VINEGAR**		N/A	N/A	1			11/17/2022 10:30	SUB	FIELD
pH (Field)	**7.55**	S.U.			1			11/17/2022 10:30	SUB	FIELD
Temperature (Field)	**9.04**	Deg. C			1			11/17/2022 10:30	SUB	FIELD
Turbidity (Field)	**256.32**	NTU			1			11/17/2022 10:30	SUB	FIELD
Inorganic Results										
Alkalinity Total	**260**	mg/L	21	70	1			11/22/2022 11:46	BRB	EPA 310.2
Total Sulfide	<1.0	mg/L	1.0		1			11/21/2022 09:00	ATJ	SM 4500-S2F

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

CT LAB Sample#: 1265452 Sample Description: MW-13S License/Well #: 04189/023 Sampled: 11/17/2022 10:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Nitrate Nitrogen Total	**12**	mg/L	1.2	4.0	10			11/19/2022 00:46	TMG	EPA 9056A
Total Chloride	**110**	mg/L	10	32	10			11/19/2022 00:46	TMG	EPA 9056A
Total Sulfate	**16**	mg/L	0.8	2.5	1			11/19/2022 00:25	TMG	EPA 9056A
Total Organic Carbon	**2.7**	mg/L	0.4	1.3	1			11/21/2022 16:09	TMG	EPA 9060A
Metals Results										
Total Iron	**12.6**	mg/L	0.033	0.11	1		11/18/2022 13:10	11/21/2022 16:58	NAH	EPA 6010C
Total Manganese	**812**	ug/L	1.5	5.0	1		11/18/2022 13:10	11/21/2022 16:58	NAH	EPA 6010C
Organic Results										
Ethane	<0.38	ug/L	0.38	1.3	1		11/21/2022 07:10	11/21/2022 12:56	DGS	RSK 175
Ethene	<0.59	ug/L	0.59	2.0	1		11/21/2022 07:10	11/21/2022 12:56	DGS	RSK 175
Methane	**2.1**	ug/L	0.45	1.5	1		11/21/2022 07:10	11/21/2022 12:56	DGS	RSK 175
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			11/23/2022 18:28	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			11/23/2022 18:28	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			11/23/2022 18:28	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			11/23/2022 18:28	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/23/2022 18:28	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			11/23/2022 18:28	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			11/23/2022 18:28	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			11/23/2022 18:28	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			11/23/2022 18:28	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			11/23/2022 18:28	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			11/23/2022 18:28	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			11/23/2022 18:28	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			11/23/2022 18:28	RLD	EPA 8260C

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

CT LAB Sample#: 1265452 Sample Description: MW-13S License/Well #: 04189/023 Sampled: 11/17/2022 10:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			11/23/2022 18:28	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/23/2022 18:28	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			11/23/2022 18:28	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			11/23/2022 18:28	RLD	EPA 8260C
1,3-Dichlorobenzene	**0.044**	ug/L	0.013 *	0.10	1			11/23/2022 18:28	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			11/23/2022 18:28	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			11/23/2022 18:28	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1	Y		11/23/2022 18:28	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			11/23/2022 18:28	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			11/23/2022 18:28	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			11/23/2022 18:28	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			11/23/2022 18:28	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			11/23/2022 18:28	RLD	EPA 8260C
Acetone	**1.2**	ug/L	0.84 *	4.0	1	B		11/23/2022 18:28	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			11/23/2022 18:28	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			11/23/2022 18:28	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			11/23/2022 18:28	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			11/23/2022 18:28	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1	Y		11/23/2022 18:28	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1	Y		11/23/2022 18:28	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			11/23/2022 18:28	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			11/23/2022 18:28	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			11/23/2022 18:28	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			11/23/2022 18:28	RLD	EPA 8260C
Chloroform	**0.100**	ug/L	0.016	0.10	1			11/23/2022 18:28	RLD	EPA 8260C

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

CT LAB Sample#: 1265452 Sample Description: MW-13S License/Well #: 04189/023 Sampled: 11/17/2022 10:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Chloromethane	**0.20**	ug/L	0.045	0.20	1	B		11/23/2022 18:28	RLD	EPA 8260C
cis-1,2-Dichloroethene	**0.97**	ug/L	0.023	0.10	1			11/23/2022 18:28	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			11/23/2022 18:28	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			11/23/2022 18:28	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			11/23/2022 18:28	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			11/23/2022 18:28	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			11/23/2022 18:28	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			11/23/2022 18:28	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			11/23/2022 18:28	RLD	EPA 8260C
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1			11/23/2022 18:28	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1			11/23/2022 18:28	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			11/23/2022 18:28	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			11/23/2022 18:28	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/23/2022 18:28	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1			11/23/2022 18:28	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			11/23/2022 18:28	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			11/23/2022 18:28	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			11/23/2022 18:28	RLD	EPA 8260C
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/23/2022 18:28	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			11/23/2022 18:28	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1			11/23/2022 18:28	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			11/23/2022 18:28	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			11/23/2022 18:28	RLD	EPA 8260C
Toluene	<0.020	ug/L	0.020	0.10	1			11/23/2022 18:28	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			11/23/2022 18:28	RLD	EPA 8260C

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

CT LAB Sample#: 1265452 Sample Description: MW-13S License/Well #: 04189/023 Sampled: 11/17/2022 10:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			11/23/2022 18:28	RLD	EPA 8260C
Trichloroethene	**0.10**	ug/L	0.022	0.10	1			11/23/2022 18:28	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			11/23/2022 18:28	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1	Y		11/23/2022 18:28	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			11/23/2022 18:28	RLD	EPA 8260C
1,4-Dioxane	<7.0	ug/L	7.0	23	1			11/23/2022 18:28	RLD	EPA 8260C

CT LAB Sample#: 1265453 Sample Description: MW-13S License/Well #: 04189/023 Sampled: 11/17/2022 10:30

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			11/18/2022 22:58	NAH	EPA 6010C
Dissolved Manganese	<1.2	ug/L	1.2	5.0	1			11/18/2022 22:58	NAH	EPA 6010C

CT LAB Sample#: 1265454 Sample Description: DUP-C License/Well #: 04189/023 Sampled: 11/17/2022 10:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Alkalinity Total	**250**	mg/L	21	70	1			11/22/2022 11:49	BRB	EPA 310.2
Total Sulfide	<1.0	mg/L	1.0		1			11/21/2022 09:00	ATJ	SM 4500-S2F
Nitrate Nitrogen Total	**14**	mg/L	1.2	4.0	10			11/19/2022 02:06	TMG	EPA 9056A
Total Chloride	**97**	mg/L	10	32	10			11/19/2022 02:06	TMG	EPA 9056A
Total Sulfate	**15**	mg/L	0.8	2.5	1			11/19/2022 01:46	TMG	EPA 9056A
Total Organic Carbon	**2.0**	mg/L	0.4	1.3	1			11/21/2022 16:20	TMG	EPA 9060A

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

CT LAB Sample#: 1265454 Sample Description: DUP-C License/Well #: 04189/023 Sampled: 11/17/2022 10:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Total Iron	**5.55**	mg/L	0.033	0.11	1		11/18/2022 13:10	11/21/2022 17:06	NAH	EPA 6010C
Total Manganese	**353**	ug/L	1.5	5.0	1		11/18/2022 13:10	11/21/2022 17:06	NAH	EPA 6010C
Organic Results										
Ethane	<0.38	ug/L	0.38	1.3	1		11/21/2022 07:10	11/21/2022 13:00	DGS	RSK 175
Ethene	<0.59	ug/L	0.59	2.0	1		11/21/2022 07:10	11/21/2022 13:00	DGS	RSK 175
Methane	<0.45	ug/L	0.45	1.5	1		11/21/2022 07:10	11/21/2022 13:00	DGS	RSK 175
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			11/23/2022 18:56	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			11/23/2022 18:56	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			11/23/2022 18:56	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			11/23/2022 18:56	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/23/2022 18:56	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			11/23/2022 18:56	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			11/23/2022 18:56	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			11/23/2022 18:56	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			11/23/2022 18:56	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			11/23/2022 18:56	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			11/23/2022 18:56	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			11/23/2022 18:56	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			11/23/2022 18:56	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			11/23/2022 18:56	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/23/2022 18:56	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			11/23/2022 18:56	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			11/23/2022 18:56	RLD	EPA 8260C

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

CT LAB Sample#: 1265454 Sample Description: DUP-C License/Well #: 04189/023 Sampled: 11/17/2022 10:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichlorobenzene	**0.032**	ug/L	0.013 *	0.10	1			11/23/2022 18:56	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			11/23/2022 18:56	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			11/23/2022 18:56	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1	Y		11/23/2022 18:56	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			11/23/2022 18:56	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			11/23/2022 18:56	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			11/23/2022 18:56	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			11/23/2022 18:56	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			11/23/2022 18:56	RLD	EPA 8260C
Acetone	**1.1**	ug/L	0.84 *	4.0	1	B		11/23/2022 18:56	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			11/23/2022 18:56	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			11/23/2022 18:56	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			11/23/2022 18:56	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			11/23/2022 18:56	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1	Y		11/23/2022 18:56	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1	Y		11/23/2022 18:56	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			11/23/2022 18:56	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			11/23/2022 18:56	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			11/23/2022 18:56	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			11/23/2022 18:56	RLD	EPA 8260C
Chloroform	**0.10**	ug/L	0.016	0.10	1			11/23/2022 18:56	RLD	EPA 8260C
Chloromethane	**0.17**	ug/L	0.045 *	0.20	1	B		11/23/2022 18:56	RLD	EPA 8260C
cis-1,2-Dichloroethene	**0.75**	ug/L	0.023	0.10	1			11/23/2022 18:56	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			11/23/2022 18:56	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			11/23/2022 18:56	RLD	EPA 8260C

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

CT LAB Sample#: 1265454 Sample Description: DUP-C License/Well #: 04189/023 Sampled: 11/17/2022 10:30

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			11/23/2022 18:56	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			11/23/2022 18:56	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			11/23/2022 18:56	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			11/23/2022 18:56	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			11/23/2022 18:56	RLD	EPA 8260C
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1			11/23/2022 18:56	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1			11/23/2022 18:56	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			11/23/2022 18:56	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			11/23/2022 18:56	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/23/2022 18:56	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1			11/23/2022 18:56	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			11/23/2022 18:56	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			11/23/2022 18:56	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			11/23/2022 18:56	RLD	EPA 8260C
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/23/2022 18:56	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			11/23/2022 18:56	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1			11/23/2022 18:56	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			11/23/2022 18:56	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			11/23/2022 18:56	RLD	EPA 8260C
Toluene	<0.020	ug/L	0.020	0.10	1			11/23/2022 18:56	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			11/23/2022 18:56	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			11/23/2022 18:56	RLD	EPA 8260C
Trichloroethene	**0.070**	ug/L	0.022 *	0.10	1			11/23/2022 18:56	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			11/23/2022 18:56	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1	Y		11/23/2022 18:56	RLD	EPA 8260C

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

CT LAB Sample#: 1265454 Sample Description: DUP-C License/Well #: 04189/023 Sampled: 11/17/2022 10:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			11/23/2022 18:56	RLD	EPA 8260C
1,4-Dioxane	<7.0	ug/L	7.0	23	1			11/23/2022 18:56	RLD	EPA 8260C

CT LAB Sample#: 1265455 Sample Description: DUP-C License/Well #: 04189/023 Sampled: 11/17/2022 10:30

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			11/18/2022 23:06	NAH	EPA 6010C
Dissolved Manganese	<1.2	ug/L	1.2	5.0	1			11/18/2022 23:06	NAH	EPA 6010C

CT LAB Sample#: 1265456 Sample Description: MW-13D License/Well #: 04189/032 Sampled: 11/17/2022 11:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Dissolved Oxygen (Field)	**0.12**	mg/L			1			11/17/2022 11:30	SUB	FIELD
Depth to Groundwater (Field)	**4.15**	Feet			1			11/17/2022 11:30	SUB	FIELD
OX/REDOX (Field)	-0.09	MV			1			11/17/2022 11:30	SUB	FIELD
Color (Field)	**CLEAR**		N/A	N/A	1			11/17/2022 11:30	SUB	FIELD
Conductivity (Field)	**956.01**	umhos/cm			1			11/17/2022 11:30	SUB	FIELD
Odor (Field)	**NONE**		N/A	N/A	1			11/17/2022 11:30	SUB	FIELD
pH (Field)	**7.45**	S.U.			1			11/17/2022 11:30	SUB	FIELD
Temperature (Field)	**9.64**	Deg. C			1			11/17/2022 11:30	SUB	FIELD
Turbidity (Field)	**21.64**	NTU			1			11/17/2022 11:30	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#: 1265456 Sample Description: MW-13D License/Well #: 04189/032 Sampled: 11/17/2022 11:30

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			11/22/2022 11:50	BRB	EPA 310.2
Total Sulfide	<1.0	mg/L	1.0		1			11/21/2022 09:00	ATJ	SM 4500-S2F
Nitrate Nitrogen Total	<0.12	mg/L	0.12	0.4	1			11/19/2022 02:27	TMG	EPA 9056A
Total Chloride	**220**	mg/L	10	32	10			11/19/2022 02:47	TMG	EPA 9056A
Total Sulfate	**57**	mg/L	0.8	2.5	1			11/19/2022 02:27	TMG	EPA 9056A
Total Organic Carbon	**1.6**	mg/L	0.4	1.3	1			11/21/2022 16:31	TMG	EPA 9060A
Metals Results										
Total Iron	**1.99**	mg/L	0.033	0.11	1		11/18/2022 13:10	11/21/2022 17:13	NAH	EPA 6010C
Total Manganese	**33.3**	ug/L	1.5	5.0	1		11/18/2022 13:10	11/21/2022 17:13	NAH	EPA 6010C
Organic Results										
Ethane	<0.38	ug/L	0.38	1.3	1		11/21/2022 07:10	11/21/2022 13:04	DGS	RSK 175
Ethene	<0.59	ug/L	0.59	2.0	1		11/21/2022 07:10	11/21/2022 13:04	DGS	RSK 175
Methane	**11**	ug/L	0.45	1.5	1		11/21/2022 07:10	11/21/2022 13:04	DGS	RSK 175
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			11/23/2022 19:25	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			11/23/2022 19:25	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			11/23/2022 19:25	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			11/23/2022 19:25	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/23/2022 19:25	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			11/23/2022 19:25	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			11/23/2022 19:25	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			11/23/2022 19:25	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			11/23/2022 19:25	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			11/23/2022 19:25	RLD	EPA 8260C

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

CT LAB Sample#: 1265456 Sample Description: MW-13D License/Well #: 04189/032 Sampled: 11/17/2022 11:30

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			11/23/2022 19:25	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			11/23/2022 19:25	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			11/23/2022 19:25	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			11/23/2022 19:25	RLD	EPA 8260C
1,2-Dichloroethane	**0.039**	ug/L	0.017 *	0.10	1			11/23/2022 19:25	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			11/23/2022 19:25	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			11/23/2022 19:25	RLD	EPA 8260C
1,3-Dichlorobenzene	**0.044**	ug/L	0.013 *	0.10	1			11/23/2022 19:25	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			11/23/2022 19:25	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			11/23/2022 19:25	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1	Y		11/23/2022 19:25	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			11/23/2022 19:25	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			11/23/2022 19:25	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			11/23/2022 19:25	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			11/23/2022 19:25	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			11/23/2022 19:25	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			11/23/2022 19:25	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			11/23/2022 19:25	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			11/23/2022 19:25	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			11/23/2022 19:25	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			11/23/2022 19:25	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1	Y		11/23/2022 19:25	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1	Y		11/23/2022 19:25	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			11/23/2022 19:25	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			11/23/2022 19:25	RLD	EPA 8260C

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

CT LAB Sample#: 1265456 Sample Description: MW-13D License/Well #: 04189/032 Sampled: 11/17/2022 11:30

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			11/23/2022 19:25	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			11/23/2022 19:25	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			11/23/2022 19:25	RLD	EPA 8260C
Chloromethane	**0.20**	ug/L	0.045	0.20	1	B		11/23/2022 19:25	RLD	EPA 8260C
cis-1,2-Dichloroethene	**4.7**	ug/L	0.023	0.10	1			11/23/2022 19:25	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			11/23/2022 19:25	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			11/23/2022 19:25	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			11/23/2022 19:25	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			11/23/2022 19:25	RLD	EPA 8260C
Diisopropyl ether	**0.022**	ug/L	0.02 *	0.1	1			11/23/2022 19:25	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			11/23/2022 19:25	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			11/23/2022 19:25	RLD	EPA 8260C
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1			11/23/2022 19:25	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1			11/23/2022 19:25	RLD	EPA 8260C
Methyl tert-butyl ether	**0.53**	ug/L	0.014	0.10	1			11/23/2022 19:25	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			11/23/2022 19:25	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/23/2022 19:25	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1			11/23/2022 19:25	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			11/23/2022 19:25	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			11/23/2022 19:25	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			11/23/2022 19:25	RLD	EPA 8260C
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/23/2022 19:25	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			11/23/2022 19:25	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1			11/23/2022 19:25	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			11/23/2022 19:25	RLD	EPA 8260C

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

CT LAB Sample#: 1265456 Sample Description: MW-13D License/Well #: 04189/032 Sampled: 11/17/2022 11:30

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			11/23/2022 19:25	RLD	EPA 8260C
Toluene	<0.020	ug/L	0.020	0.10	1			11/23/2022 19:25	RLD	EPA 8260C
trans-1,2-Dichloroethene	**0.21**	ug/L	0.020	0.10	1			11/23/2022 19:25	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			11/23/2022 19:25	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			11/23/2022 19:25	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			11/23/2022 19:25	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1	Y		11/23/2022 19:25	RLD	EPA 8260C
Vinyl chloride	**0.076**	ug/L	0.019 *	0.10	1			11/23/2022 19:25	RLD	EPA 8260C
1,4-Dioxane	<7.0	ug/L	7.0	23	1			11/23/2022 19:25	RLD	EPA 8260C

CT LAB Sample#: 1265457 Sample Description: MW-13D License/Well #: 04189/032 Sampled: 11/17/2022 11:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Iron	**1.20**	mg/L	0.027	0.09	1			11/18/2022 23:13	NAH	EPA 6010C
Dissolved Manganese	**34.4**	ug/L	1.2	5.0	1			11/18/2022 23:13	NAH	EPA 6010C

CT LAB Sample#: 1265458 Sample Description: TB-111722-A License/Well #: 04189/999 Sampled: 11/17/2022

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			11/23/2022 14:15	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			11/23/2022 14:15	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			11/23/2022 14:15	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#: 1265458 Sample Description: TB-111722-A License/Well #: 04189/999 Sampled: 11/17/2022

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			11/23/2022 14:15	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/23/2022 14:15	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			11/23/2022 14:15	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			11/23/2022 14:15	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			11/23/2022 14:15	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			11/23/2022 14:15	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			11/23/2022 14:15	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			11/23/2022 14:15	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			11/23/2022 14:15	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			11/23/2022 14:15	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			11/23/2022 14:15	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/23/2022 14:15	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			11/23/2022 14:15	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			11/23/2022 14:15	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			11/23/2022 14:15	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			11/23/2022 14:15	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			11/23/2022 14:15	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1	Y		11/23/2022 14:15	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			11/23/2022 14:15	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			11/23/2022 14:15	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			11/23/2022 14:15	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			11/23/2022 14:15	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			11/23/2022 14:15	RLD	EPA 8260C
Acetone	**0.89**	ug/L	0.84 *	4.0	1	B		11/23/2022 14:15	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			11/23/2022 14:15	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#: 1265458 Sample Description: TB-111722-A License/Well #: 04189/999 Sampled: 11/17/2022

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			11/23/2022 14:15	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			11/23/2022 14:15	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			11/23/2022 14:15	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1	Y		11/23/2022 14:15	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1	Y		11/23/2022 14:15	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			11/23/2022 14:15	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			11/23/2022 14:15	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			11/23/2022 14:15	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			11/23/2022 14:15	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			11/23/2022 14:15	RLD	EPA 8260C
Chloromethane	**0.35**	ug/L	0.045	0.20	1	B		11/23/2022 14:15	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1			11/23/2022 14:15	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			11/23/2022 14:15	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			11/23/2022 14:15	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			11/23/2022 14:15	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			11/23/2022 14:15	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			11/23/2022 14:15	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			11/23/2022 14:15	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			11/23/2022 14:15	RLD	EPA 8260C
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1			11/23/2022 14:15	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1			11/23/2022 14:15	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			11/23/2022 14:15	RLD	EPA 8260C
Methylene chloride	**0.096**	ug/L	0.090 *	0.40	1			11/23/2022 14:15	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/23/2022 14:15	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1			11/23/2022 14:15	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#: 1265458 Sample Description: TB-111722-A License/Well #: 04189/999 Sampled: 11/17/2022

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			11/23/2022 14:15	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			11/23/2022 14:15	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			11/23/2022 14:15	RLD	EPA 8260C
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/23/2022 14:15	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			11/23/2022 14:15	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1			11/23/2022 14:15	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			11/23/2022 14:15	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			11/23/2022 14:15	RLD	EPA 8260C
Toluene	<0.020	ug/L	0.020	0.10	1			11/23/2022 14:15	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			11/23/2022 14:15	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			11/23/2022 14:15	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			11/23/2022 14:15	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			11/23/2022 14:15	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1	Y		11/23/2022 14:15	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			11/23/2022 14:15	RLD	EPA 8260C
1,4-Dioxane	<7.0	ug/L	7.0	23	1			11/23/2022 14:15	RLD	EPA 8260C

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

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

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

Current CT Laboratories Certifications

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

12/13/2022

Location/Landfill: **OEC SUPERFUND WI** **License #:** **04189**

Well Description:	***DUP-B***	**Well #:**	***034***	**Sample Date**	**11/17/2022**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Total Chloride	00940	520	125	250	20	mg/L
Dissolved Iron	01046	3.94	0.15	0.30	0.027	mg/L
Dissolved Manganese	01056	378	60	300	1.2	ug/L
Total Iron	74010	4.06	0.15	0.3	0.033	mg/L
Total Manganese	01055	365	60	300	1.5	ug/L

Well Description:	***DUP-C***	**Well #:**	***023***	**Sample Date**	**11/17/2022**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Nitrate Nitrogen Total	00620	14	2	10	1.2	mg/L
Total Iron	74010	5.55	0.15	0.3	0.033	mg/L
Total Manganese	01055	353	60	300	1.5	ug/L

Well Description:	***MW-13D***	**Well #:**	***032***	**Sample Date**	**11/17/2022**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Total Chloride	00940	220	125	250	10	mg/L
Dissolved Iron	01046	1.20	0.15	0.30	0.027	mg/L
Total Iron	74010	1.99	0.15	0.3	0.033	mg/L
Vinyl chloride	39175	0.076	0.02	0.20	0.019	ug/L

Well Description:	***MW-13S***	**Well #:**	***023***	**Sample Date**	**11/17/2022**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Nitrate Nitrogen Total	00620	12	2	10	1.2	mg/L
Total Iron	74010	12.6	0.15	0.3	0.033	mg/L
Total Manganese	01055	812	60	300	1.5	ug/L

Well Description:	***MW-15B***	**Well #:**	***034***	**Sample Date**	**11/17/2022**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Total Chloride	00940	430	125	250	50	mg/L
Dissolved Iron	01046	3.89	0.15	0.30	0.027	mg/L
Dissolved Manganese	01056	372	60	300	1.2	ug/L
Total Iron	74010	3.96	0.15	0.3	0.033	mg/L
Total Manganese	01055	355	60	300	1.5	ug/L

Selected Indicators - Summary

Location/Landfill: **OCONOMOWOC ELECTROPLATING** **License #:** **04189** 12/13/2022

Sample Date		**Sample ID**				
		DUP-B	DUP-C	MW-13D	MW-13S	MW-15B
11/17/2022	Color (Field)			CLEAR	YELLOW	CLEAR
	Conductivity (Field)			956.01	667.21	1451.4
	Depth to Groundwater			4.15	5.26	8.89
	Nitrate Nitrogen T/D	<0.12	14	<0.12	12	0.15
	Odor (Field)			NONE	VINEGAR	NONE
	OX/REDOX (Field)			-0.09	18.7	-48.1
	pH (Field)			7.45	7.55	7.47
	T/D Alkalinity	260	250	330	260	260
	T/D Chloride	520	97	220	110	430
	T/D Iron	3.94	<0.027	1.20	<0.027	3.89
	T/D Manganese	365	<1.2	33.3	<1.2	355
	T/D Organic Carbon	0.86	2.0	1.6	2.7	0.76
	T/D Oxygen (Field)			0.12	4.25	0.27
	T/D Sulfate	3.0	15	57	16	1.5
	T/D Sulfide	<1.0	<1.0	<1.0	<1.0	<1.0
	Temperature (Field)			9.64	9.04	11.25
	Turbidity (Field)			21.64	256.32	7.85

QC Summary Report

HYDE ENVIRONMENTAL, INC. **Project Name:** **OEC SUPERFUND WI**

SDG #: 0 **Folder #: 173810** **Project #:**

Lab Control Spike Water

Analytical Run #:	267398	Analysis Date:	11/21/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1266638	Analysis Time:	09:16	Prep Date/Time:		Method:	SW9060
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
Total Organic Carbon	52.15	mg/L			50.0	104	83 --- 114		

Method Blank Water

Analytical Run #:	267398	Analysis Date:	11/21/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1266639	Analysis Time:	09:31	Prep Date/Time:		Method:	SW9060
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
Total Organic Carbon	0.4	mg/L		U	0		0.4		

Duplicate

Analytical Run #:	267436	Analysis Date:	11/19/2022	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1266879	Analysis Time:	03:07	Prep Date/Time:		Method:	SW9056A
Parent Sample #:	1265456	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	221	mg/L	220					0	10
Total Sulfate	57.3	mg/L	57					1	10

Lab Control Spike Water

Analytical Run #:	267436	Analysis Date:	11/18/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1266875	Analysis Time:	21:03	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	14.57	mg/L			15.00	97	80	---	120		
Nitrate Nitrogen	3.374	mg/L			3.50	96	80	---	120		
Sulfate	25.17	mg/L			25.00	101	80	---	120		

Method Blank Water

Analytical Run #:	267436	Analysis Date:	11/18/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1266876	Analysis Time:	21:24	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 #:	267436	Analysis Date:	11/19/2022	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1266880	Analysis Time:	03:27	Prep Date/Time:		Method:	SW9056A
Parent Sample #:	1265456	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	1.91	mg/L	BDL		2.0	96	58 --- 143		20
Total Chloride	286	mg/L	220		80.0	82	47 --- 120		20
Total Sulfate	62.8	mg/L	57		8.0	72	49 --- 120		20

Duplicate

Analytical Run #:	267460	Analysis Date:	11/21/2022	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1266481	Analysis Time:	09:00	Prep Date/Time:		Method:	SW9034
Parent Sample #:	1265456	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 #:	267460	Analysis Date:	11/21/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1266478	Analysis Time:	09:00	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	5.0	mg/L			5.0	100	90 --- 110		

Method Blank Water

Analytical Run #:	267460	Analysis Date:	11/21/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1266479	Analysis Time:	09:00	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 #:	267490	Analysis Date:	11/22/2022	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1266994	Analysis Time:	11:51	Prep Date/Time:		Method:	E310.2
Parent Sample #:	1265456	Analyst:	DC	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Alkalinity Dissolved	335	mg/L	330					2	20
Alkalinity Total	335	mg/L	330					2	20

Lab Control Spike Water

Analytical Run #:	267490	Analysis Date:	11/22/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1266710	Analysis Time:	11:31	Prep Date/Time:		Method:	E310.2
Parent Sample #:		Analyst:	BRB	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Alkalinity	375.0	mg/L			375.0	100	90 --- 110		

Method Blank Water

Analytical Run #:	267490	Analysis Date:	11/22/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1266711	Analysis Time:	11:32	Prep Date/Time:		Method:	E310.2
Parent Sample #:		Analyst:	BRB	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 #:	267428	Analysis Date:	11/18/2022	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1266521	Analysis Time:	23:28	Prep Date/Time:		Method:	SW6010
Parent Sample #:	1266520	Analyst:	NAH	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Iron	2.76	mg/L	1.20		2.0	78	75 --- 113	5	18
Manganese	911	ug/L	34.4		1000	88	75 --- 121	5	13

Matrix Spike Water

Analytical Run #:	267428	Analysis Date:	11/18/2022	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1266520	Analysis Time:	23:21	Prep Date/Time:		Method:	SW6010
Parent Sample #:	1265457	Analyst:	NAH	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Iron	2.89	mg/L	1.20		2.0	84	75 --- 113		18
Manganese	959	ug/L	34.4		1000	92	75 --- 121		13

Lab Control Spike Water

Analytical Run #:	267445	Analysis Date:	11/21/2022	Prep Batch #:	127855	Matrix:	LIQUID
CTLab #:	1265718	Analysis Time:	16:06	Prep Date/Time:	11/18/2022 13:10	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	0.412	mg/L			0.4	103	80 --- 115		
Manganese	192.0	ug/L			200.0	96	86 --- 112		

Method Blank Water

Analytical Run #:	267445	Analysis Date:	11/21/2022	Prep Batch #:	127855	Matrix:	LIQUID
CTLab #:	1265717	Analysis Time:	16:13	Prep Date/Time:	11/18/2022 13:10	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 #:	267445	Analysis Date:	11/21/2022	Prep Batch #:	127855	Matrix:	GROUND WATER
CTLab #:	1265720	Analysis Time:	16:36	Prep Date/Time:	11/18/2022 13:10	Method:	SW6010
Parent Sample #:	1265719	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	4.37	mg/L	3.96		0.4	102	75 --- 118	0	11
Manganese	551	ug/L	355		200	98	84 --- 111	0	7

Matrix Spike Water

Analytical Run #:	267445	Analysis Date:	11/21/2022	Prep Batch #:	127855	Matrix:	GROUND WATER
CTLab #:	1265719	Analysis Time:	16:28	Prep Date/Time:	11/18/2022 13:10	Method:	SW6010
Parent Sample #:	1265448	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	4.37	mg/L	3.96		0.4	102	75 --- 118		11
Manganese	550	ug/L	355		200	98	84 --- 111		7

Lab Control Spike Duplicate Water

Analytical Run #:	267379	Analysis Date:	11/21/2022	Prep Batch #:	127843	Matrix:	LIQUID
CTLab #:	1265106	Analysis Time:	13:10	Prep Date/Time:	11/21/2022 07:10	Method:	RSK175
Parent Sample #:	1265105	Analyst:	DGS	Prep Analyst:	DGS		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Ethane	4.13	ug/L	3.92		4.76	87	66 --- 129	5	20
Ethene	5.87	ug/L	5.50		6.77	87	68 --- 128	7	20
Methane	2.07	ug/L	1.79		2.28	91	71 --- 126	15	20

Lab Control Spike Water

Analytical Run #:	267379	Analysis Date:	11/21/2022	Prep Batch #:	127843	Matrix:	LIQUID
CTLab #:	1265105	Analysis Time:	08:10	Prep Date/Time:	11/21/2022 07:10	Method:	RSK175
Parent Sample #:		Analyst:	DGS	Prep Analyst:	DGS		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Ethane	3.92	ug/L			4.76	82	66 --- 129		20
Ethene	5.50	ug/L			6.77	81	68 --- 128		20
Methane	1.79	ug/L			2.28	79	71 --- 126		20

Method Blank Water

Analytical Run #:	267379	Analysis Date:	11/21/2022	Prep Batch #:	127843	Matrix:	LIQUID
CTLab #:	1265104	Analysis Time:	08:13	Prep Date/Time:	11/21/2022 07:10	Method:	RSK175
Parent Sample #:		Analyst:	DGS	Prep Analyst:	DGS		

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		

Lab Control Spike Duplicate Water

Analytical Run #:	267431	Analysis Date:	11/23/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1267573	Analysis Time:	22:16	Prep Date/Time:		Method:	SW8260C
Parent Sample #:	1267356	Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits			RPD	RPD Limit
1,1,1,2-Tetrachloroethane	3.93	ug/L	4.18		4.0	98	78	---	121	6	20
1,1,1-Trichloroethane	4.32	ug/L	4.66		4.0	108	82	---	122	8	20
1,1,2,2-Tetrachloroethane	3.55	ug/L	4.30		4.0	89	68	---	128	19	20
1,1,2-Trichloroethane	4.07	ug/L	4.42		4.0	102	84	---	114	8	20
1,1-Dichloroethane	4.05	ug/L	4.24		4.0	101	76	---	122	5	20
1,1-Dichloroethene	4.23	ug/L	4.65		4.0	106	83	---	123	9	20
1,1-Dichloropropene	4.07	ug/L	4.63		4.0	102	85	---	120	13	20
1,2 Dichloroethane-d4	100	% Recovery			100	100	87	---	107	0	
1,2,3-Trichlorobenzene	4.49	ug/L	4.59		4.0	112	78	---	121	2	20
1,2,3-Trichloropropane	3.49	ug/L	4.12		4.0	87	62	---	129	17	20
1,2,4-Trichlorobenzene	4.47	ug/L	4.64		4.0	112	80	---	120	4	20
1,2,4-Trimethylbenzene	3.73	ug/L	4.11		4.0	93	76	---	125	10	20
1,2-Dibromo-3-chloropropane	4.42	ug/L	4.58		4.0	110	69	---	125	4	20
1,2-Dibromoethane	4.05	ug/L	4.38		4.0	101	80	---	118	8	20
1,2-Dichlorobenzene	3.87	ug/L	4.23		4.0	97	80	---	117	9	20
1,2-Dichloroethane	4.13	ug/L	4.41		4.0	103	78	---	118	7	20
1,2-Dichloropropane	3.96	ug/L	4.20		4.0	99	78	---	121	6	20
1,3,5-Trimethylbenzene	3.83	ug/L	4.23		4.0	96	76	---	126	10	20
1,3-Dichlorobenzene	3.74	ug/L	4.08		4.0	94	78	---	119	9	20
1,3-Dichloropropane	4.22	ug/L	4.37		4.0	106	82	---	117	3	20
1,4-Dichlorobenzene	3.75	ug/L	4.17		4.0	94	77	---	118	11	20
2,2-Dichloropropane	3.32	ug/L	4.41		4.0	83	71	---	133	28	20
2-Butanone	41.8	ug/L	42.8		40.0	104	80	---	120	2	20
2-Chlorotoluene	3.70	ug/L	4.00		4.0	92	73	---	124	8	20
2-Hexanone	45.2	ug/L	48.8		40.0	113	73	---	127	8	20
4-Chlorotoluene	3.79	ug/L	4.14		4.0	95	74	---	125	9	20
4-Methyl-2-pentanone	44.9	ug/L	47.2		40.0	112	77	---	125	5	20
Acetone	45.6	ug/L	43.1		40.0	114	72	---	117	6	20
Benzene	3.93	ug/L	4.15		4.0	98	82	---	118	5	20
Bromobenzene	3.79	ug/L	4.03		4.0	95	77	---	118	6	20
Bromochloromethane	3.92	ug/L	4.28		4.0	98	81	---	116	9	20
Bromodichloromethane	4.23	ug/L	4.57		4.0	106	80	---	122	8	20
Bromofluorobenzene	97.0	% Recovery			100	97.0	90	---	108	0	
Bromoform	3.67	ug/L	4.75		4.0	92	72	---	124	26	20
Bromomethane	1.94	ug/L	3.21		4.0	48	25	---	156	49	20
Carbon disulfide	8.47	ug/L	8.82		8.0	106	81	---	124	4	20
Carbon tetrachloride	4.67	ug/L	4.38		4.0	117	87	---	129	6	20
Chlorobenzene	3.82	ug/L	4.04		4.0	96	78	---	118	6	20
Chloroethane	4.05	ug/L	4.22		4.0	101	73	---	126	4	20
Chloroform	3.97	ug/L	4.27		4.0	99	76	---	119	7	20
Chloromethane	3.85	ug/L	4.19		4.0	96	70	---	121	8	20
cis-1,2-Dichloroethene	3.92	ug/L	4.28		4.0	98	82	---	118	9	20

Lab Control Spike Duplicate Water

Analytical Run #:	267431	Analysis Date:	11/23/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1267573	Analysis Time:	22:16	Prep Date/Time:		Method:	SW8260C
Parent Sample #:	1267356	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	3.84	ug/L	4.53		4.0	96	81	---	123	16	20
d8-Toluene	101	% Recovery			100	101	93	---	108	0	
Dibromochloromethane	4.02	ug/L	4.56		4.0	100	76	---	124	13	20
Dibromofluoromethane	105	% Recovery			100	105	93	---	106	0	
Dibromomethane	4.13	ug/L	4.28		4.0	103	83	---	115	4	20
Dichlorodifluoromethane	4.57	ug/L	4.68		4.0	114	78	---	126	2	20
Diisopropyl ether	4.15	ug/L	4.35		4.0	104	75	---	125	5	20
Ethylbenzene	3.90	ug/L	4.20		4.0	98	78	---	125	7	20
Hexachlorobutadiene	4.17	ug/L	4.25		4.0	104	79	---	123	2	20
Isopropylbenzene	4.14	ug/L	4.52		4.0	104	81	---	124	9	20
m & p-Xylene	7.83	ug/L	8.48		8.0	98	80	---	123	8	20
Methyl tert-butyl ether	3.56	ug/L	3.28		4.0	89	82	---	116	8	20
Methylene chloride	4.02	ug/L	4.32		4.0	100	73	---	128	7	20
n-Butylbenzene	4.07	ug/L	4.68		4.0	102	76	---	127	14	20
n-Propylbenzene	3.87	ug/L	4.26		4.0	97	75	---	129	10	20
Naphthalene	4.20	ug/L	4.18		4.0	105	64	---	129	0	20
o-Xylene	3.83	ug/L	4.19		4.0	96	81	---	121	9	20
p-Isopropyltoluene	3.92	ug/L	4.40		4.0	98	79	---	126	12	20
sec-Butylbenzene	3.96	ug/L	4.43		4.0	99	76	---	128	11	20
Styrene	4.00	ug/L	4.29		4.0	100	81	---	122	7	20
tert-Butylbenzene	3.83	ug/L	4.22		4.0	96	76	---	125	10	20
Tetrachloroethene	4.21	ug/L	4.67		4.0	105	82	---	123	10	20
Tetrahydrofuran	40.8	ug/L	42.1		40.0	102	69	---	122	3	20
Toluene	3.96	ug/L	4.28		4.0	99	82	---	119	8	20
trans-1,2-Dichloroethene	4.02	ug/L	4.34		4.0	100	80	---	122	8	20
trans-1,3-Dichloropropene	3.80	ug/L	4.59		4.0	95	83	---	119	19	20
Trichloroethene	4.61	ug/L	4.43		4.0	115	82	---	120	4	20
Trichlorofluoromethane	4.72	ug/L	4.44		4.0	118	78	---	130	6	20
Vinyl acetate	33.4	ug/L	43.6		40.0	84	63	---	136	26	20
Vinyl chloride	4.10	ug/L	4.43		4.0	102	73	---	127	8	20

Lab Control Spike Water

Analytical Run #:	267431	Analysis Date:	11/23/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1267356	Analysis Time:	10:56	Prep Date/Time:		Method:	SW8260C
Parent Sample #:		Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits			RPD	RPD Limit
1,1,1,2-Tetrachloroethane	4.18	ug/L			4.0	104	78	---	121		20
1,1,1-Trichloroethane	4.66	ug/L			4.0	116	82	---	122		20
1,1,2,2-Tetrachloroethane	4.30	ug/L			4.0	108	68	---	128		20
1,1,2-Trichloroethane	4.42	ug/L			4.0	110	84	---	114		20
1,1-Dichloroethane	4.24	ug/L			4.0	106	76	---	122		20
1,1-Dichloroethene	4.65	ug/L			4.0	116	83	---	123		20
1,1-Dichloropropene	4.63	ug/L			4.0	116	85	---	120		20
1,2 Dichloroethane-d4	105	% Recovery			100	105	87	---	107		
1,2,3-Trichlorobenzene	4.59	ug/L			4.0	115	78	---	121		20
1,2,3-Trichloropropane	4.12	ug/L			4.0	103	62	---	129		20
1,2,4-Trichlorobenzene	4.64	ug/L			4.0	116	80	---	120		20
1,2,4-Trimethylbenzene	4.11	ug/L			4.0	103	76	---	125		20
1,2-Dibromo-3-chloropropane	4.58	ug/L			4.0	114	69	---	125		20
1,2-Dibromoethane	4.38	ug/L			4.0	110	80	---	118		20
1,2-Dichlorobenzene	4.23	ug/L			4.0	106	80	---	117		20
1,2-Dichloroethane	4.41	ug/L			4.0	110	78	---	118		20
1,2-Dichloropropane	4.20	ug/L			4.0	105	78	---	121		20
1,3,5-Trimethylbenzene	4.23	ug/L			4.0	106	76	---	126		20
1,3-Dichlorobenzene	4.08	ug/L			4.0	102	78	---	119		20
1,3-Dichloropropane	4.37	ug/L			4.0	109	82	---	117		20
1,4-Dichlorobenzene	4.17	ug/L			4.0	104	77	---	118		20
2,2-Dichloropropane	4.41	ug/L			4.0	110	71	---	133		20
2-Butanone	42.8	ug/L			40.0	107	80	---	120		20
2-Chlorotoluene	4.00	ug/L			4.0	100	73	---	124		20
2-Hexanone	48.8	ug/L			40.0	122	73	---	127		20
4-Chlorotoluene	4.14	ug/L			4.0	104	74	---	125		20
4-Methyl-2-pentanone	47.2	ug/L			40.0	118	77	---	125		20
Acetone	43.1	ug/L			40.0	108	72	---	117		20
Benzene	4.15	ug/L			4.0	104	82	---	118		20
Bromobenzene	4.03	ug/L			4.0	101	77	---	118		20
Bromochloromethane	4.28	ug/L			4.0	107	81	---	116		20
Bromodichloromethane	4.57	ug/L			4.0	114	80	---	122		20
Bromofluorobenzene	97.0	% Recovery			100	97.0	90	---	108		
Bromoform	4.75	ug/L			4.0	119	72	---	124		20
Bromomethane	3.21	ug/L			4.0	80	25	---	156		20
Carbon disulfide	8.82	ug/L			8.0	110	81	---	124		20
Carbon tetrachloride	4.38	ug/L			4.0	110	87	---	129		20
Chlorobenzene	4.04	ug/L			4.0	101	78	---	118		20
Chloroethane	4.22	ug/L			4.0	106	73	---	126		20
Chloroform	4.27	ug/L			4.0	107	76	---	119		20
Chloromethane	4.19	ug/L			4.0	105	70	---	121		20
cis-1,2-Dichloroethene	4.28	ug/L			4.0	107	82	---	118		20

Lab Control Spike Water

Analytical Run #:	267431	Analysis Date:	11/23/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1267356	Analysis Time:	10:56	Prep Date/Time:		Method:	SW8260C
Parent Sample #:		Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	4.53	ug/L			4.0	113	81 --- 123		20
d8-Toluene	102	% Recovery			100	102	93 --- 108		
Dibromochloromethane	4.56	ug/L			4.0	114	76 --- 124		20
Dibromofluoromethane	105	% Recovery			100	105	93 --- 106		
Dibromomethane	4.28	ug/L			4.0	107	83 --- 115		20
Dichlorodifluoromethane	4.68	ug/L			4.0	117	78 --- 126		20
Diisopropyl ether	4.35	ug/L			4.0	109	75 --- 125		20
Ethylbenzene	4.20	ug/L			4.0	105	78 --- 125		20
Hexachlorobutadiene	4.25	ug/L			4.0	106	79 --- 123		20
Isopropylbenzene	4.52	ug/L			4.0	113	81 --- 124		20
m & p-Xylene	8.48	ug/L			8.0	106	80 --- 123		20
Methyl tert-butyl ether	3.28	ug/L			4.0	82	82 --- 116		20
Methylene chloride	4.32	ug/L			4.0	108	73 --- 128		20
n-Butylbenzene	4.68	ug/L			4.0	117	76 --- 127		20
n-Propylbenzene	4.26	ug/L			4.0	106	75 --- 129		20
Naphthalene	4.18	ug/L			4.0	104	64 --- 129		20
o-Xylene	4.19	ug/L			4.0	105	81 --- 121		20
p-Isopropyltoluene	4.40	ug/L			4.0	110	79 --- 126		20
sec-Butylbenzene	4.43	ug/L			4.0	111	76 --- 128		20
Styrene	4.29	ug/L			4.0	107	81 --- 122		20
tert-Butylbenzene	4.22	ug/L			4.0	106	76 --- 125		20
Tetrachloroethene	4.67	ug/L			4.0	117	82 --- 123		20
Tetrahydrofuran	42.1	ug/L			40.0	105	69 --- 122		20
Toluene	4.28	ug/L			4.0	107	82 --- 119		20
trans-1,2-Dichloroethene	4.34	ug/L			4.0	108	80 --- 122		20
trans-1,3-Dichloropropene	4.59	ug/L			4.0	115	83 --- 119		20
Trichloroethene	4.43	ug/L			4.0	111	82 --- 120		20
Trichlorofluoromethane	4.44	ug/L			4.0	111	78 --- 130		20
Vinyl acetate	43.6	ug/L			40.0	109	63 --- 136		20
Vinyl chloride	4.43	ug/L			4.0	111	73 --- 127		20

Method Blank Water

Analytical Run #:	267431	Analysis Date:	11/23/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1267362	Analysis Time:	12:21	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	98.0	% Recovery			100	98.0	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	1.14	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	98.0	% Recovery			100	98.0	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	0.534	ug/L			0		0.045		
cis-1,2-Dichloroethene	0.023	ug/L		U	0		0.023		

Method Blank Water

Analytical Run #:	267431	Analysis Date:	11/23/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1267362	Analysis Time:	12:21	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	101	% Recovery			100	101	71 --- 117		
Dibromochloromethane	0.016	ug/L		U	0		0.016		
Dibromofluoromethane	102	% Recovery			100	102	67 --- 122		
Dibromomethane	0.018	ug/L		U	0		0.018		
Dichlorodifluoromethane	0.091	ug/L		U	0		0.091		
Diisopropyl ether	0.015	ug/L		U	0		0.015		
Ethylbenzene	0.014	ug/L		U	0		0.014		
Hexachlorobutadiene	0.027	ug/L		U	0		0.027		
Isopropylbenzene	0.020	ug/L		U	0		0.020		
m & p-Xylene	0.030	ug/L		U	0		0.030		
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	0.020	ug/L		U	0		0.020		
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	0.021	ug/L		U	0		0.021		
Styrene	0.014	ug/L		U	0		0.014		
tert-Butylbenzene	0.020	ug/L		U	0		0.020		
Tetrachloroethene	0.028	ug/L		U	0		0.028		
Tetrahydrofuran	0.38	ug/L		U	0		0.38		
Toluene	0.020	ug/L		U	0		0.020		
trans-1,2-Dichloroethene	0.020	ug/L		U	0		0.020		
trans-1,3-Dichloropropene	0.020	ug/L		U	0		0.020		
Trichloroethene	0.022	ug/L		U	0		0.022		
Trichlorofluoromethane	0.033	ug/L		U	0		0.033		
Vinyl acetate	0.14	ug/L		U	0		0.14		
Vinyl chloride	0.019	ug/L		U	0		0.019		

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Condition Report

Folder #:	173810	Print Date / Time:	11/18/2022 09:56
Client:	HYDE ENVIRONMENTAL, INC.	Received Date / Time / By:	11/18/2022 09:47 erc
Project Name:	OEC SUPERFUND WI	Log-In Date / Time / By:	11/18/2022 09:56 erc
Project Phase:	ASHIPPUN, WI	Project #:	PM: BMS
Coolers:	6495	Temperature:	4.1 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:	
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
1265448 MW-15B				
	UNPRES PL	1	/	ALK,Anions
	Total # of Containers of Type (*UNPRES PL*) = 1			
1265448 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
	Total # of Containers of Type (*VOA HCL*) = 5			
1265448 MW-15B				
	HNO3	1	Y / N	ICP
	Total # of Containers of Type (*HNO3*) = 1			
1265448 MW-15B				
	NAOH W/ZNAC	1	Y / N	SLFD
	Total # of Containers of Type (*NAOH W/ZNAC*) = 1			
1265448 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
1265449 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**
1265450	DUPB					
		UNPRES PL	1	/		ALK,Anions
		Total # of Containers of Type	**(*UNPRES PL*) = 1**			
1265450	DUPB					
		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
		Total # of Containers of Type	**(*VOA HCL*) = 5**			
1265450	DUPB					
		HNO3	1	Y /	N	ICP
		Total # of Containers of Type	**(*HNO3*) = 1**			
1265450	DUPB					
		NAOH W/ZNAC	1	Y /	N	SLFD
		Total # of Containers of Type	**(*NAOH W/ZNAC*) = 1**			
1265450	DUPB					
		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**
1265451	DUPB					
		HNO3	1	Y /	N	ICP
		Total # of Containers of Type	**(*HNO3*) = 1**			
Sample ID /	**Description**	**Container Type**	**Cond. Code**	**pH OK?/Filtered?**		**Tests**
1265452	MW-13S					
		UNPRES PL	1	/		ALK,Anions
		Total # of Containers of Type	**(*UNPRES PL*) = 1**			
1265452	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
		Total # of Containers of Type	**(*VOA HCL*) = 5**			
1265452	MW-13S					
		HNO3	1	Y /	N	ICP
		Total # of Containers of Type	**(*HNO3*) = 1**			
1265452	MW-13S					
		NAOH W/ZNAC	1	Y /	N	SLFD

		Total # of Containers of Type	(***NAOH W/ZNAC***) = **1**			
1265452	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**
1265453	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**
1265454	DUPC					
		UNPRES PL	1	/		ALK,Anions
		Total # of Containers of Type	(***UNPRES PL***) = **1**			
1265454	DUPC					
		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
		Total # of Containers of Type	(***VOA HCL***) = **5**			
1265454	DUPC					
		HNO3	1	Y	/ N	ICP
		Total # of Containers of Type	(***HNO3***) = **1**			
1265454	DUPC					
		NAOH W/ZNAC	1	Y	/ N	SLFD
		Total # of Containers of Type	(***NAOH W/ZNAC***) = **1**			
1265454	DUPC					
		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**
1265455	DUPC					
		HNO3	1	Y	/ N	ICP
		Total # of Containers of Type	(***HNO3***) = **1**			
Sample ID /	**Description**	**Container Type**	**Cond. Code**	**pH OK?/Filtered?**		**Tests**
1265456	MW-13D					
		UNPRES PL	1	/		ALK,Anions
		Total # of Containers of Type	(***UNPRES PL***) = **1**			
1265456	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
		Total # of Containers of Type	(***VOA HCL***) =	**5**			
1265456	MW-13D						
		HNO3	1	Y	/	N	ICP
		Total # of Containers of Type	(***HNO3***) =	**1**			
1265456	MW-13D						
		NAOH W/ZNAC	1	Y	/	N	SLFD
		Total # of Containers of Type	(***NAOH W/ZNAC***) =	**1**			
1265456	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**
1265457	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**
1265458	TRIP BLANK				
		Trip Blank	1	/	VOC
		Total # of Containers of Type	(***Trip Blank***) =	**1**	

Condition Code	*Condition Description*
1	Sample Received OK

Rev. 02/2017

CHAIN OF CUSTODY

Page _____ of _____

Company: Hyde Environmental
Project Contact: Jim Lindemann
Telephone: 262-250-1226
Project Name: OEC Superfund WI
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

Folder #: 173810
Company: HYDE ENVIRONMENTAL, IN
Project: OCONOMOWOC ELECTROPL
Logged By: erc PM: BMS

Program:
QSM RCRA SDWA NPDES
Solid Waste Other Superfund

PO #

Report To:
EMAIL: jclindemann@hyde-env.com
Company: Hyde Environmental
Address: W175W11163 Stonewood Pk
Dr, 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

Collection Date	Collection Time	Matrix	Grab/ Comp	Sample #	Sample ID Description	Filtered? Y/N	VOCs 1,4 Dioxane low level (8260C)	Methane, Ethane, Ethene (RSK175)	Total Fe (6010C)	Total Mn (6010C)	Dissolved Fe (6010C)	Dissolved Mn (6010C)	Alkalinity (310.2)	Chloride (9056A)	Sulfate (9056A)	Nitrate (9056A)	Sulfide (SM 4500 S)	TOC (9060A)	Total # Containers	Designated MS/MSD	CT Lab ID # (Lab use only)
							ANALYSES REQUESTED														
							Fill in Spaces with Bottles per Test														
11-17-22	0830	GW	G		MW-15B		3	2	1	1	1	1	1	1	1	1	1	1			126548, 49
					DupB																50, 51
	1030				MW-13S																52, 53
					DupC																54, 55
	1130				MW-13D																56, 57
					Trip Blank		3	— Only 1 vial Present in cooler													58

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

Relinquished By:	Date/Time	Received By:	Date/Time
Logan Cranley	11-17-22 1430		11/18/22 9:47
Received by:	Date/Time	Received for Laboratory by:	Date/Time
			11/18/22 1002

Lab Use Only
Ice Present Yes No
Temp 4.9 IR Gun 27
Cooler # 6915

APPENDIX D

Field Notes and Low-Flow Test Reports

11-14-22 LRC 0800 on site

Purpose: collect GW levels, replace tubing, record well conditions

MW-103S: WL: 5.68 Condition: Fair, cracked lid, PVC
TD: 16.64

MW-103D: WL: 5.18 Condition: Fair, ~~cracked lid~~, LC, PVC
TD: 26.91

MW-5D: WL: 3.17 Condition: Fair, Stainless Steel
TD: 24.55

MW-9S: WL: 4.41 Condition: Good, Stainless steel
TD: 22.33

OW-6: WL: 6.39 Condition: Fair, stickup slightly dented, stainless steel
TD: 50.68

MW-20D: WL: 5.02 Condition: Good, PVC
TD: 43.54

MW-3D: WL: 7.95 Condition: Good.
TD: 50.59 PVC

MW-4D: WL: 7.03 Condition: Fair, lock
TD: 18.22 top slightly bent, PVC

MW-4S: WL: 6.55 Condition: Fair, lock
TD: 18.08 top slightly bent, PVC

MW-1S: WL: 5.20 Condition: Casing dented
TD: 17.62 lock hasp bent, PVC

MW-1D: WL: 6.64 condition: Good, PVC
TD: 50.73

MW-104S: WL: 3.45 Condition: Flush cover
TD: 14.24 seal gone, PVC

MW-104D: WL: 3.38 condition: Flush
TD: 27.32 cover seal gone

MW-105S: WL: 4.12 condition: good, PVC
TD: 15.69

MW-105D: WL: 3.02 condition: good, PVC
TD: 29.65

MW-105B: WL: 3.96 condition: good, PVC
TD: 47.17

MW-16S: WL: 2.94 condition: good
TD: 14.51

MW-12B: WL: 4.21 condition: good, stainless
TD: 44.62 steel

MW-12S: WL: 4.20 condition: good, stainless
TD: 14.78 not locked steel
well sticking up

MW-12D: WL: 2.53 condition: good
TD: 25.19 stainless steel

MW-13D: WL: 4.15 condition: good, PVC
TD:

MW-13S: WL: 5.26 condition: fair, pad bearing up, stainless steel
TD: ~~31.44~~ LC 15.39

MW-106S: WL: 3.80 condition: good
TD: 17.16 PVC

MW-106D: WL: 3.18 condition: good
TD: 52.22 PVC

MW-102S: WL: 7.35 condition: Fair, cover
TD: 15.65 bolts missing, PVC

MW-102D: WL: 7.61 condition: Fair, cover
TD: 49.03 bolts missing, PVC

MW-15B: WL: 8.89 condition: good, PVC
TD: 57.93

MW-15D: WL: 9.05 condition: good, PVC
TD: 39.32

MW-15S: WL: 7.24 condition: good, PVC
TD: 16.42

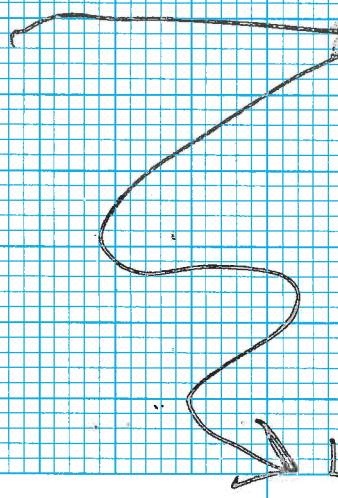
TW-2021: WL: 6.38 condition: good
TD: 22.39 PVC

MW-101B: WL: 4.37 condition: good, PVC
TD: 48.74

MW-101S: WL: 3.74 condition: good, PVC
TD: 12.51

MW-14DR: WL: 3.67 condition: Fair, bolts missing, PVC
TD: 31.82

WLs collected, tubing replaced, well conditions noted
1500 - off site



11-15-22 LRC on site 0700
Purpose: sample monitoring wells

MW-12B Sampled 0745, clear, odorless

MW-12D Sampled 0830, clear, odorless, red flock

MW-12S Sampled 0900, clear, odorless

TW-2021 Sampled 1000, clear, odorless

MW-3D Sampled 1030, clear, odorless

MW-2D Sampled 1100, Clear, slight sewage odor

OW-6 Sampled 1145, Clear, odorless

MW-103D Sampled 1230, clear, odorless

MW-103S Sampled 1330, clear, odorless

MW-9S Sampled 1400, clear, odorless

MW-5D Sampled 1445, clear, odorless

MW-4S Sampled 1538, clear, black flock, Odorless

MW-1D, Sampled 1615

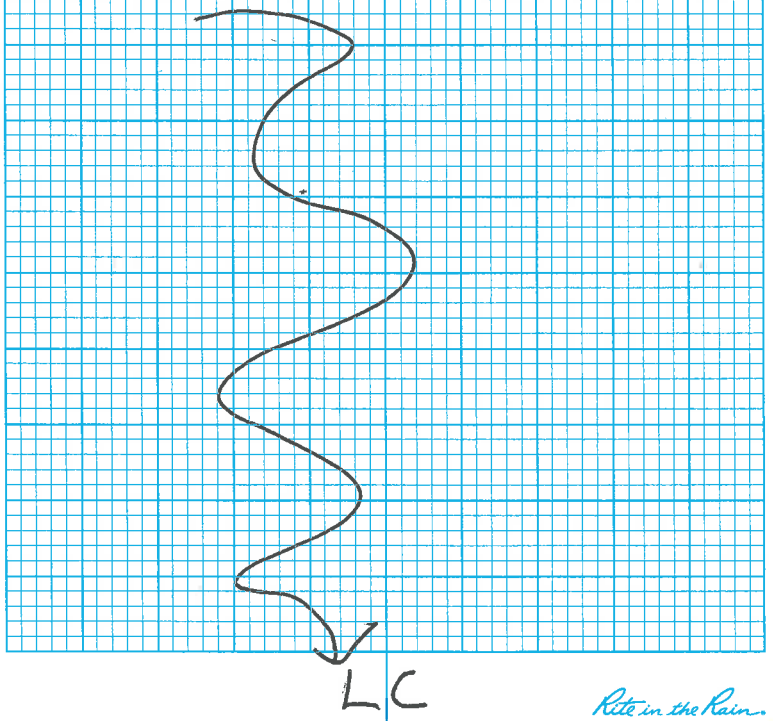
1630 - offsite

1700 - filling out COCs in office, Consolidating samples & Packing coolers

1730 - Buying ice & packing in coolers

1745 - shipping coolers

1800 - grabbing supplies from storage



11-16-22 LRC on site. Purpose: Sample monitoring Wells 0700

mw-1S Sampled 0730 clear, red flock, odorless

mw-14DR sampled 0830, clear, Black flock, odorless

mw-105S sampled 0900, clear, red flock odorless

mw-105D Sampled 0930, clear, odorless

mw-105B Sampled 1015, clear, odorles

DupA collected from mw-105B 1030

mw-16S sampled 1145, clear, odorless

mw-101S Sampled 1230, clear, odorless

mw-101B Sampled 1300, clear, odorless

mw-102S Sampled 1400, clear, odorless

mw-102D Sampled 1430 clear, red flock odorless

mw-15D sampled 1500, clear, Black flock, odorless

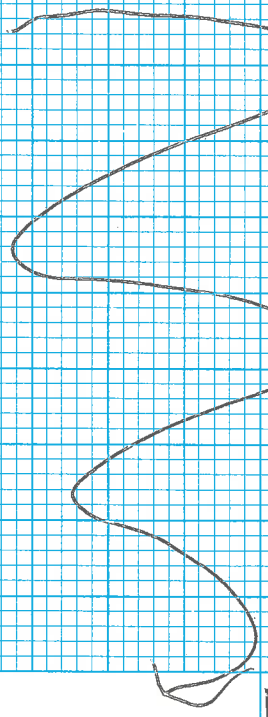
mw-15S sampled 1530

1550 - drumming purge water

1600 - off-site

1630 - Buying ice & packing coolers

1645 - dropping off coolers @ UPS



LC

11-17-22 0730 on site LRC
Purpose: Sample remaining monitoring wells + sample private wells

MW-15B sampled 0830 Clear, Blck flock odorless

Dup B sampled from MW-15B 0845

MW-13S sampled 1030 Turbid yellow 'vinegar' smell

Dup C sampled from MW-13S 1045

MW-13D sampled 1130 Clear, odorless

PW-09 sampled 1215

PW-07 sampled 1230 -LC

PW-08 sampled 1300

PW-05 sampled 1330

~~PW-09: pH: cond: Temp:~~ LC

1400 off site

1445 filling out CoCs @ office

1500 buying ice, packing coolers & shipping samples

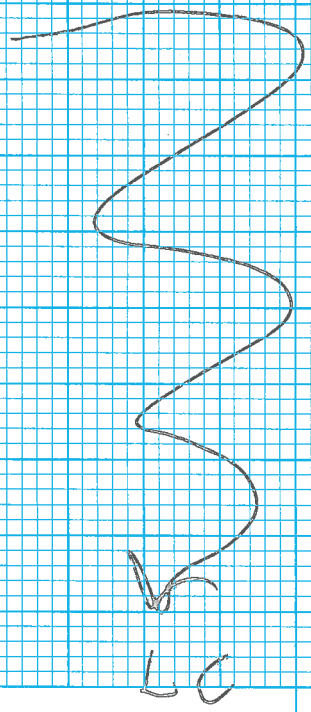
LC

1530 LC on site to sample remaining private wells knock on doors

PW-03 sampled 1545

1600 picking up empty drum & heading off site

1700 filling out CoC



LC

Low-Flow Test Report:

Test Date / Time: 11/16/2022 8:22:49 AM
Project: OECI MW-1S (2)
Operator Name: LRC

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: 5.2 ft**	**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**	**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	
11/16/2022 8:22 AM	00:00	7.73 pH	10.80 °C	962.27 µS/cm	0.78 mg/L	3,137.8 NTU	79.8 mV	158.50 cm	100.00 ml/min
11/16/2022 8:24 AM	01:47	7.64 pH	10.65 °C	959.83 µS/cm	0.59 mg/L	7,621.3 NTU	85.0 mV	158.50 cm	100.00 ml/min
11/16/2022 8:26 AM	03:34	7.59 pH	10.47 °C	959.71 µS/cm	0.38 mg/L	9,608.1 NTU	90.5 mV	158.50 cm	100.00 ml/min
11/16/2022 8:28 AM	05:21	7.55 pH	10.30 °C	960.39 µS/cm	0.35 mg/L	9,334.3 NTU	94.6 mV	158.50 cm	100.00 ml/min
11/16/2022 8:29 AM	07:08	7.52 pH	10.19 °C	962.16 µS/cm	0.34 mg/L	8,539.3 NTU	96.5 mV	158.50 cm	100.00 ml/min
11/16/2022 8:31 AM	08:55	7.50 pH	10.18 °C	963.53 µS/cm	0.28 mg/L	9,522.0 NTU	96.2 mV	158.50 cm	100.00 ml/min
11/16/2022 8:33 AM	10:42	7.48 pH	10.17 °C	966.58 µS/cm	0.29 mg/L	8,141.7 NTU	96.1 mV	158.50 cm	100.00 ml/min
11/16/2022 8:35 AM	12:29	7.47 pH	10.21 °C	968.53 µS/cm	0.27 mg/L	7,704.4 NTU	94.4 mV	158.50 cm	100.00 ml/min
11/16/2022 8:37 AM	14:16	7.46 pH	10.21 °C	968.24 µS/cm	0.24 mg/L	7,680.6 NTU	92.7 mV	158.50 cm	100.00 ml/min
11/16/2022 8:38 AM	16:03	7.45 pH	10.23 °C	968.42 µS/cm	0.22 mg/L	8,005.0 NTU	91.4 mV	158.50 cm	100.00 ml/min
11/16/2022 8:40 AM	17:50	7.44 pH	10.23 °C	968.75 µS/cm	0.22 mg/L	7,891.0 NTU	90.9 mV	158.50 cm	100.00 ml/min
11/16/2022 8:42 AM	19:37	7.43 pH	10.24 °C	969.44 µS/cm	0.21 mg/L	7,613.0 NTU	88.5 mV	158.50 cm	100.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 11/15/2022 4:49:10 PM
Project: OECI MW-1D (2)
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: 6.64 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: 4853.333 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**

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	
11/15/2022 4:49 PM	00:00	7.69 pH	11.68 °C	476.73 µS/cm	0.78 mg/L	9.09 NTU	82.5 mV	202.39 cm	200.00 ml/min
11/15/2022 4:50 PM	01:44	7.68 pH	11.83 °C	473.14 µS/cm	0.60 mg/L	8.80 NTU	69.9 mV	202.39 cm	200.00 ml/min
11/15/2022 4:52 PM	03:28	7.68 pH	11.98 °C	471.18 µS/cm	0.48 mg/L	9.24 NTU	52.1 mV	202.39 cm	200.00 ml/min
11/15/2022 4:54 PM	05:12	7.68 pH	12.03 °C	470.82 µS/cm	0.42 mg/L	8.82 NTU	35.2 mV	202.39 cm	200.00 ml/min
11/15/2022 4:56 PM	06:56	7.68 pH	11.97 °C	470.24 µS/cm	0.38 mg/L	8.61 NTU	16.0 mV	202.39 cm	200.00 ml/min
11/15/2022 4:57 PM	08:40	7.66 pH	12.01 °C	470.19 µS/cm	0.31 mg/L	8.38 NTU	-1.5 mV	202.39 cm	200.00 ml/min
11/15/2022 4:59 PM	10:24	7.66 pH	11.95 °C	469.71 µS/cm	0.30 mg/L	8.20 NTU	-18.4 mV	202.39 cm	200.00 ml/min
11/15/2022 5:01 PM	12:08	7.66 pH	11.89 °C	470.60 µS/cm	0.28 mg/L	8.43 NTU	-31.7 mV	202.39 cm	200.00 ml/min
11/15/2022 5:03 PM	13:52	7.66 pH	11.89 °C	470.42 µS/cm	0.27 mg/L	8.40 NTU	-42.5 mV	202.39 cm	200.00 ml/min
11/15/2022 5:04 PM	15:36	7.66 pH	11.77 °C	469.57 µS/cm	0.20 mg/L	8.28 NTU	-52.4 mV	202.39 cm	200.00 ml/min
11/15/2022 5:06 PM	17:20	7.66 pH	11.81 °C	469.08 µS/cm	0.19 mg/L	19.71 NTU	-60.8 mV	202.39 cm	200.00 ml/min
11/15/2022 5:08 PM	19:04	7.66 pH	11.92 °C	468.71 µS/cm	0.19 mg/L	8.39 NTU	-67.5 mV	202.39 cm	200.00 ml/min
11/15/2022 5:09 PM	20:48	7.66 pH	11.74 °C	468.50 µS/cm	0.19 mg/L	8.42 NTU	-73.1 mV	202.39 cm	200.00 ml/min
11/15/2022 5:11 PM	22:32	7.66 pH	11.74 °C	468.09 µS/cm	0.19 mg/L	8.50 NTU	-77.8 mV	202.39 cm	200.00 ml/min

11/15/2022 5:13 PM	24:16	7.65 pH	11.74 °C	467.78 µS/cm	0.18 mg/L	7.47 NTU	-81.9 mV	202.39 cm	200.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 11/15/2022 11:43:19 AM
Project: OECI MW-2D (2)
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: 5.02 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: 1000 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	
11/15/2022 11:43 AM	00:00	7.53 pH	12.04 °C	942.36 µS/cm	0.99 mg/L	1.65 NTU	84.9 mV	153.01 cm	150.00 ml/min
11/15/2022 11:44 AM	01:40	7.50 pH	11.86 °C	940.96 µS/cm	0.65 mg/L	15.90 NTU	85.4 mV	153.01 cm	150.00 ml/min
11/15/2022 11:46 AM	03:20	7.49 pH	11.82 °C	940.26 µS/cm	0.54 mg/L	5.54 NTU	85.3 mV	153.01 cm	150.00 ml/min
11/15/2022 11:48 AM	05:00	7.47 pH	11.73 °C	938.55 µS/cm	0.46 mg/L	3.11 NTU	84.7 mV	153.01 cm	150.00 ml/min
11/15/2022 11:49 AM	06:40	7.46 pH	11.58 °C	937.30 µS/cm	0.40 mg/L	4.08 NTU	83.9 mV	153.01 cm	150.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 11/15/2022 10:59:37 AM
Project: OECI MW-3D (2)
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: 7.95 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: 900 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	
11/15/2022 10:59 AM	00:00	7.52 pH	10.70 °C	953.80 µS/cm	0.99 mg/L	0.88 NTU	121.7 mV	242.32 cm	150.00 ml/min
11/15/2022 11:01 AM	01:30	7.51 pH	10.69 °C	951.08 µS/cm	0.71 mg/L	29.95 NTU	122.3 mV	242.32 cm	150.00 ml/min
11/15/2022 11:02 AM	03:00	7.49 pH	10.69 °C	950.78 µS/cm	0.61 mg/L	1.39 NTU	121.4 mV	242.32 cm	150.00 ml/min
11/15/2022 11:04 AM	04:30	7.47 pH	10.67 °C	950.76 µS/cm	0.52 mg/L	1.67 NTU	120.4 mV	242.32 cm	150.00 ml/min
11/15/2022 11:05 AM	06:00	7.47 pH	10.65 °C	950.53 µS/cm	0.44 mg/L	3.23 NTU	118.4 mV	242.32 cm	150.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 11/15/2022 4:14:06 PM
Project: OECI MW-4S (2)
Operator Name: Lrc

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: 6.55 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: 320 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	
11/15/2022 4:14 PM	00:00	6.99 pH	11.61 °C	1,894.5 µS/cm	0.67 mg/L	7.36 NTU	112.9 mV	199.64 cm	150.00 ml/min
11/15/2022 4:15 PM	01:04	6.99 pH	11.62 °C	1,904.5 µS/cm	0.62 mg/L	9.23 NTU	111.6 mV	199.64 cm	150.00 ml/min
11/15/2022 4:16 PM	02:08	6.97 pH	11.68 °C	1,912.0 µS/cm	0.58 mg/L	8.48 NTU	110.3 mV	199.64 cm	150.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 11/15/2022 3:30:22 PM
Project: OECI MW-5D (2)
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: 3.17 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**

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	
11/15/2022 3:30 PM	00:00	7.93 pH	10.35 °C	1.72 µS/cm	10.54 mg/L	7.63 NTU	116.2 mV	96.62 cm	200.00 ml/min
11/15/2022 3:31 PM	01:08	7.97 pH	10.40 °C	1.67 µS/cm	10.52 mg/L	7.38 NTU	116.1 mV	96.62 cm	200.00 ml/min
11/15/2022 3:32 PM	02:16	8.09 pH	10.39 °C	1.63 µS/cm	10.51 mg/L	7.19 NTU	118.4 mV	96.62 cm	200.00 ml/min
11/15/2022 3:33 PM	03:24	7.87 pH	10.55 °C	835.12 µS/cm	1.29 mg/L	7.54 NTU	103.7 mV	96.62 cm	200.00 ml/min
11/15/2022 3:34 PM	04:32	7.86 pH	10.39 °C	832.07 µS/cm	0.73 mg/L	9.79 NTU	104.1 mV	96.62 cm	200.00 ml/min
11/15/2022 3:36 PM	05:40	7.84 pH	10.31 °C	835.85 µS/cm	0.63 mg/L	4.94 NTU	104.9 mV	96.62 cm	200.00 ml/min
11/15/2022 3:37 PM	06:48	7.82 pH	10.28 °C	839.45 µS/cm	0.58 mg/L	8.81 NTU	106.0 mV	96.62 cm	200.00 ml/min
11/15/2022 3:38 PM	07:56	7.77 pH	10.35 °C	852.55 µS/cm	0.49 mg/L	7.61 NTU	106.6 mV	96.62 cm	200.00 ml/min
11/15/2022 3:39 PM	09:04	7.71 pH	10.47 °C	863.52 µS/cm	0.41 mg/L	6.65 NTU	107.5 mV	96.62 cm	200.00 ml/min
11/15/2022 3:40 PM	10:12	7.67 pH	10.43 °C	873.58 µS/cm	0.36 mg/L	10.21 NTU	108.4 mV	96.62 cm	200.00 ml/min
11/15/2022 3:41 PM	11:20	7.61 pH	10.39 °C	880.94 µS/cm	0.33 mg/L	6.80 NTU	108.9 mV	96.62 cm	200.00 ml/min
11/15/2022 3:42 PM	12:28	7.55 pH	10.38 °C	886.67 µS/cm	0.30 mg/L	9.09 NTU	109.1 mV	96.62 cm	200.00 ml/min
11/15/2022 3:43 PM	13:36	7.52 pH	10.51 °C	888.56 µS/cm	0.26 mg/L	10.32 NTU	107.8 mV	96.62 cm	200.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 11/15/2022 2:44:57 PM
Project: OECI MW-9S (2)
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: 4.41 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: 2025 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	
11/15/2022 2:44 PM	00:00	7.39 pH	11.29 °C	1,466.0 µS/cm	0.82 mg/L	130.09 NTU	117.7 mV	134.42 cm	150.00 ml/min
11/15/2022 2:46 PM	01:30	7.38 pH	11.29 °C	1,479.1 µS/cm	0.72 mg/L	52.07 NTU	117.5 mV	134.42 cm	150.00 ml/min
11/15/2022 2:47 PM	03:00	7.36 pH	11.42 °C	1,489.4 µS/cm	0.54 mg/L	79.15 NTU	117.3 mV	134.42 cm	150.00 ml/min
11/15/2022 2:49 PM	04:30	7.35 pH	11.40 °C	1,491.5 µS/cm	0.47 mg/L	42.10 NTU	116.5 mV	134.42 cm	150.00 ml/min
11/15/2022 2:50 PM	06:00	7.34 pH	11.58 °C	1,495.9 µS/cm	0.40 mg/L	58.62 NTU	115.7 mV	134.42 cm	150.00 ml/min
11/15/2022 2:52 PM	07:30	7.33 pH	11.51 °C	1,495.6 µS/cm	0.27 mg/L	67.54 NTU	115.0 mV	134.42 cm	150.00 ml/min
11/15/2022 2:53 PM	09:00	7.32 pH	11.59 °C	1,497.2 µS/cm	0.24 mg/L	103.37 NTU	114.0 mV	134.42 cm	150.00 ml/min
11/15/2022 2:55 PM	10:30	7.32 pH	11.55 °C	1,496.8 µS/cm	0.23 mg/L	22.30 NTU	113.3 mV	134.42 cm	150.00 ml/min
11/15/2022 2:56 PM	12:00	7.31 pH	11.56 °C	1,499.9 µS/cm	0.21 mg/L	26.70 NTU	112.4 mV	134.42 cm	150.00 ml/min
11/15/2022 2:58 PM	13:30	7.31 pH	11.58 °C	1,498.9 µS/cm	0.20 mg/L	17.82 NTU	111.5 mV	134.42 cm	150.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 11/15/2022 9:40:52 AM
Project: OECI MW-12S (2)
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: 4.2 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: 600 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	
11/15/2022 9:40 AM	00:00	7.45 pH	8.08 °C	1,013.4 µS/cm	0.94 mg/L	39.95 NTU	127.2 mV	128.02 cm	150.00 ml/min
11/15/2022 9:41 AM	01:00	7.44 pH	8.46 °C	1,011.5 µS/cm	0.61 mg/L	24.11 NTU	126.8 mV	128.02 cm	150.00 ml/min
11/15/2022 9:42 AM	02:00	7.43 pH	8.46 °C	1,010.2 µS/cm	0.50 mg/L	15.70 NTU	127.2 mV	128.02 cm	150.00 ml/min
11/15/2022 9:43 AM	03:00	7.42 pH	8.58 °C	1,009.2 µS/cm	0.44 mg/L	12.93 NTU	127.9 mV	128.02 cm	150.00 ml/min
11/15/2022 9:44 AM	04:00	7.41 pH	8.65 °C	1,010.1 µS/cm	0.40 mg/L	10.16 NTU	128.7 mV	128.02 cm	150.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 11/15/2022 9:11:55 AM
Project: OECI MW-12D (2)
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: 2.53 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: 1360 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**

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	
11/15/2022 9:11 AM	00:00	8.08 pH	8.22 °C	1,114.1 µS/cm	2.37 mg/L	15.37 NTU	94.4 mV	77.11 cm	200.00 ml/min
11/15/2022 9:13 AM	01:08	7.88 pH	8.78 °C	1,106.7 µS/cm	0.82 mg/L	6.25 NTU	104.2 mV	77.11 cm	200.00 ml/min
11/15/2022 9:14 AM	02:16	7.77 pH	8.98 °C	1,090.1 µS/cm	0.59 mg/L	9.55 NTU	111.3 mV	77.11 cm	200.00 ml/min
11/15/2022 9:15 AM	03:24	7.70 pH	9.13 °C	1,080.4 µS/cm	0.47 mg/L	6.22 NTU	116.3 mV	77.11 cm	200.00 ml/min
11/15/2022 9:16 AM	04:32	7.64 pH	9.18 °C	1,072.8 µS/cm	0.50 mg/L	6.29 NTU	120.4 mV	77.11 cm	200.00 ml/min
11/15/2022 9:17 AM	05:40	7.60 pH	9.15 °C	1,064.1 µS/cm	0.40 mg/L	7.24 NTU	123.4 mV	77.11 cm	200.00 ml/min
11/15/2022 9:18 AM	06:48	7.57 pH	9.17 °C	1,056.9 µS/cm	0.41 mg/L	7.07 NTU	125.4 mV	77.11 cm	200.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 11/15/2022 8:32:54 AM
Project: OECI MW-12B (2)
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: 4.21 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: 645 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	
11/15/2022 8:32 AM	00:00	9.17 pH	7.98 °C	814.74 µS/cm	2.26 mg/L	5.21 NTU	92.3 mV	128.32 cm	150.00 ml/min
11/15/2022 8:35 AM	02:09	9.20 pH	8.13 °C	811.37 µS/cm	2.18 mg/L	6.67 NTU	93.7 mV	128.32 cm	150.00 ml/min
11/15/2022 8:37 AM	04:18	9.22 pH	8.26 °C	809.87 µS/cm	2.12 mg/L	7.26 NTU	96.0 mV	128.32 cm	150.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 11/17/2022 11:25:53 AM
Project: OECI MW-13S (2)
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: 5.26 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: 2240 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	
11/17/2022 11:25 AM	00:00	7.80 pH	7.96 °C	696.93 µS/cm	5.21 mg/L	428.51 NTU	-12.3 mV	160.32 cm	150.00 ml/min
11/17/2022 11:26 AM	01:04	7.73 pH	8.46 °C	683.35 µS/cm	4.56 mg/L	355.36 NTU	-9.0 mV	160.32 cm	150.00 ml/min
11/17/2022 11:28 AM	02:08	7.69 pH	8.48 °C	677.55 µS/cm	4.50 mg/L	344.47 NTU	-5.8 mV	160.32 cm	150.00 ml/min
11/17/2022 11:29 AM	03:12	7.65 pH	8.74 °C	675.67 µS/cm	4.45 mg/L	332.84 NTU	-2.7 mV	160.32 cm	150.00 ml/min
11/17/2022 11:30 AM	04:16	7.62 pH	8.86 °C	677.24 µS/cm	4.42 mg/L	291.26 NTU	1.1 mV	160.32 cm	150.00 ml/min
11/17/2022 11:31 AM	05:20	7.60 pH	9.08 °C	674.37 µS/cm	4.38 mg/L	293.58 NTU	3.8 mV	160.32 cm	150.00 ml/min
11/17/2022 11:32 AM	06:24	7.59 pH	9.09 °C	671.50 µS/cm	4.35 mg/L	311.92 NTU	5.9 mV	160.32 cm	150.00 ml/min
11/17/2022 11:33 AM	07:28	7.59 pH	8.85 °C	670.41 µS/cm	4.32 mg/L	333.31 NTU	8.3 mV	160.32 cm	150.00 ml/min
11/17/2022 11:34 AM	08:32	7.57 pH	8.91 °C	669.61 µS/cm	4.31 mg/L	293.76 NTU	10.6 mV	160.32 cm	150.00 ml/min
11/17/2022 11:35 AM	09:36	7.57 pH	8.89 °C	665.11 µS/cm	4.30 mg/L	274.33 NTU	12.1 mV	160.32 cm	150.00 ml/min
11/17/2022 11:36 AM	10:40	7.57 pH	9.01 °C	666.59 µS/cm	4.30 mg/L	292.71 NTU	13.6 mV	160.32 cm	150.00 ml/min
11/17/2022 11:37 AM	11:44	7.56 pH	9.04 °C	668.54 µS/cm	4.29 mg/L	287.38 NTU	15.1 mV	160.32 cm	150.00 ml/min
11/17/2022 11:38 AM	12:48	7.56 pH	8.97 °C	666.85 µS/cm	4.30 mg/L	261.45 NTU	16.2 mV	160.32 cm	150.00 ml/min
11/17/2022 11:39 AM	13:52	7.55 pH	9.00 °C	665.31 µS/cm	4.29 mg/L	260.75 NTU	17.6 mV	160.32 cm	150.00 ml/min

11/17/2022 11:40 AM	14:56	7.55 pH	9.04 °C	667.21 µS/cm	4.25 mg/L	256.32 NTU	18.7 mV	160.32 cm	150.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 11/17/2022 12:03:58 PM
Project: OECI MW-13D (2)
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: 4.15 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: 3626.667 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**

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	
11/17/2022 12:03 PM	00:00	7.38 pH	7.97 °C	874.96 µS/cm	8.41 mg/L	757.46 NTU	44.8 mV	126.49 cm	200.00 ml/min
11/17/2022 12:05 PM	01:04	7.40 pH	9.47 °C	941.17 µS/cm	1.52 mg/L	347.41 NTU	41.7 mV	126.49 cm	200.00 ml/min
11/17/2022 12:06 PM	02:08	7.41 pH	9.39 °C	951.08 µS/cm	0.74 mg/L	126.10 NTU	36.9 mV	126.49 cm	200.00 ml/min
11/17/2022 12:07 PM	03:12	7.42 pH	9.55 °C	951.14 µS/cm	0.56 mg/L	79.92 NTU	32.4 mV	126.49 cm	200.00 ml/min
11/17/2022 12:08 PM	04:16	7.44 pH	9.53 °C	953.67 µS/cm	0.46 mg/L	80.89 NTU	28.5 mV	126.49 cm	200.00 ml/min
11/17/2022 12:09 PM	05:20	7.44 pH	9.77 °C	960.68 µS/cm	0.41 mg/L	56.75 NTU	24.8 mV	126.49 cm	200.00 ml/min
11/17/2022 12:10 PM	06:24	7.44 pH	9.88 °C	960.49 µS/cm	0.36 mg/L	25.50 NTU	22.2 mV	126.49 cm	200.00 ml/min
11/17/2022 12:11 PM	07:28	7.44 pH	10.03 °C	960.39 µS/cm	0.33 mg/L	49.32 NTU	19.3 mV	126.49 cm	200.00 ml/min
11/17/2022 12:12 PM	08:32	7.44 pH	9.89 °C	961.44 µS/cm	0.30 mg/L	37.67 NTU	16.5 mV	126.49 cm	200.00 ml/min
11/17/2022 12:13 PM	09:36	7.44 pH	10.03 °C	959.73 µS/cm	0.27 mg/L	82.23 NTU	14.1 mV	126.49 cm	200.00 ml/min
11/17/2022 12:14 PM	10:40	7.45 pH	9.90 °C	954.94 µS/cm	0.26 mg/L	1,364.2 NTU	11.6 mV	126.49 cm	200.00 ml/min
11/17/2022 12:15 PM	11:44	7.44 pH	9.98 °C	953.42 µS/cm	0.26 mg/L	629.14 NTU	9.8 mV	126.49 cm	200.00 ml/min
11/17/2022 12:16 PM	12:48	7.44 pH	10.00 °C	957.84 µS/cm	0.17 mg/L	60.91 NTU	8.0 mV	126.49 cm	200.00 ml/min
11/17/2022 12:17 PM	13:52	7.43 pH	10.07 °C	958.84 µS/cm	0.16 mg/L	128.50 NTU	6.1 mV	126.49 cm	200.00 ml/min

11/17/2022 12:18 PM	14:56	7.43 pH	10.10 °C	965.36 µS/cm	0.16 mg/L	37.56 NTU	4.2 mV	126.49 cm	200.00 ml/min
11/17/2022 12:19 PM	16:00	7.45 pH	9.98 °C	958.83 µS/cm	0.15 mg/L	24.25 NTU	2.1 mV	126.49 cm	200.00 ml/min
11/17/2022 12:21 PM	17:04	7.45 pH	9.73 °C	957.73 µS/cm	0.12 mg/L	19.24 NTU	0.7 mV	126.49 cm	200.00 ml/min
11/17/2022 12:22 PM	18:08	7.45 pH	9.64 °C	956.01 µS/cm	0.12 mg/L	21.64 NTU	-0.9 mV	126.49 cm	200.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 11/16/2022 9:23:01 AM
Project: OECI MW-14DR (2)
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: 3.67 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: 360 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**

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	
11/16/2022 9:23 AM	00:00	7.39 pH	11.23 °C	966.07 µS/cm	0.45 mg/L	10.92 NTU	70.9 mV	111.86 cm	200.00 ml/min
11/16/2022 9:23 AM	00:54	7.40 pH	11.21 °C	965.98 µS/cm	0.43 mg/L	12.76 NTU	70.2 mV	111.86 cm	200.00 ml/min
11/16/2022 9:24 AM	01:48	7.40 pH	11.20 °C	968.65 µS/cm	0.41 mg/L	13.67 NTU	69.2 mV	111.86 cm	200.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 11/16/2022 4:20:49 PM
Project: OECI MW-15S (2)
Operator Name: Lrc

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: 7.24 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: 300 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**

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	
11/16/2022 4:20 PM	00:00	7.44 pH	11.93 °C	1,173.1 µS/cm	0.65 mg/L	12.93 NTU	58.3 mV	220.68 cm	120.00 ml/min
11/16/2022 4:22 PM	01:15	7.43 pH	12.30 °C	1,175.2 µS/cm	0.55 mg/L	14.71 NTU	55.6 mV	220.68 cm	120.00 ml/min
11/16/2022 4:23 PM	02:30	7.42 pH	12.34 °C	1,172.3 µS/cm	0.49 mg/L	14.89 NTU	53.4 mV	220.68 cm	120.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 11/16/2022 3:48:32 PM
Project: OECI MW-15D (2)
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: 9.05 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: 1417.5 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	
11/16/2022 3:48 PM	00:00	7.49 pH	10.90 °C	854.07 µS/cm	0.61 mg/L	11.37 NTU	48.5 mV	275.84 cm	150.00 ml/min
11/16/2022 3:49 PM	01:21	7.47 pH	10.88 °C	866.36 µS/cm	0.56 mg/L	11.23 NTU	47.0 mV	275.84 cm	150.00 ml/min
11/16/2022 3:51 PM	02:42	7.45 pH	11.01 °C	885.31 µS/cm	0.55 mg/L	12.35 NTU	45.6 mV	275.84 cm	150.00 ml/min
11/16/2022 3:52 PM	04:03	7.42 pH	11.15 °C	900.95 µS/cm	0.42 mg/L	11.38 NTU	44.3 mV	275.84 cm	150.00 ml/min
11/16/2022 3:53 PM	05:24	7.40 pH	11.15 °C	915.91 µS/cm	0.36 mg/L	11.64 NTU	42.8 mV	275.84 cm	150.00 ml/min
11/16/2022 3:55 PM	06:45	7.38 pH	11.15 °C	932.11 µS/cm	0.31 mg/L	11.12 NTU	41.5 mV	275.84 cm	150.00 ml/min
11/16/2022 3:56 PM	08:06	7.37 pH	11.17 °C	945.14 µS/cm	0.30 mg/L	10.70 NTU	40.2 mV	275.84 cm	150.00 ml/min
11/16/2022 3:57 PM	09:27	7.37 pH	11.20 °C	925.38 µS/cm	0.27 mg/L	11.69 NTU	38.4 mV	275.84 cm	150.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 11/17/2022 9:46:37 AM
Project: OECI MW-15B (2)
Operator Name: LRC

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: 8.89 ft**	**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: 5600 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**

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	
11/17/2022 9:46 AM	00:00	7.80 pH	10.48 °C	1,498.0 µS/cm	1.97 mg/L	8.46 NTU	91.7 mV	270.97 cm	200.00 ml/min
11/17/2022 9:47 AM	01:10	7.72 pH	10.54 °C	1,491.0 µS/cm	1.35 mg/L	11.59 NTU	92.1 mV	270.97 cm	200.00 ml/min
11/17/2022 9:48 AM	02:20	7.67 pH	10.61 °C	1,468.7 µS/cm	1.14 mg/L	28.01 NTU	91.6 mV	270.97 cm	200.00 ml/min
11/17/2022 9:50 AM	03:30	7.63 pH	10.70 °C	1,470.8 µS/cm	0.81 mg/L	44.56 NTU	90.4 mV	270.97 cm	200.00 ml/min
11/17/2022 9:51 AM	04:40	7.60 pH	10.61 °C	1,460.5 µS/cm	0.88 mg/L	11.63 NTU	88.6 mV	270.97 cm	200.00 ml/min
11/17/2022 9:52 AM	05:50	7.57 pH	10.83 °C	1,463.1 µS/cm	0.70 mg/L	19.18 NTU	86.1 mV	270.97 cm	200.00 ml/min
11/17/2022 9:53 AM	07:00	7.56 pH	11.06 °C	1,458.1 µS/cm	0.52 mg/L	28.96 NTU	82.7 mV	270.97 cm	200.00 ml/min
11/17/2022 9:54 AM	08:10	7.54 pH	10.87 °C	1,461.0 µS/cm	0.46 mg/L	9.43 NTU	78.7 mV	270.97 cm	200.00 ml/min
11/17/2022 9:55 AM	09:20	7.53 pH	11.08 °C	1,460.6 µS/cm	0.42 mg/L	15.99 NTU	73.7 mV	270.97 cm	200.00 ml/min
11/17/2022 9:57 AM	10:30	7.52 pH	10.95 °C	1,463.4 µS/cm	0.44 mg/L	9.23 NTU	67.6 mV	270.97 cm	200.00 ml/min
11/17/2022 9:58 AM	11:40	7.51 pH	11.19 °C	1,464.6 µS/cm	0.38 mg/L	8.55 NTU	60.1 mV	270.97 cm	200.00 ml/min
11/17/2022 9:59 AM	12:50	7.51 pH	11.01 °C	1,458.4 µS/cm	0.34 mg/L	8.52 NTU	51.6 mV	270.97 cm	200.00 ml/min
11/17/2022 10:00 AM	14:00	7.50 pH	11.14 °C	1,460.8 µS/cm	0.27 mg/L	10.72 NTU	42.4 mV	270.97 cm	200.00 ml/min
11/17/2022 10:01 AM	15:10	7.50 pH	10.97 °C	1,461.8 µS/cm	0.24 mg/L	8.81 NTU	32.7 mV	270.97 cm	200.00 ml/min

11/17/2022 10:02 AM	16:20	7.49 pH	11.08 °C	1,465.4 µS/cm	0.35 mg/L	8.48 NTU	22.5 mV	270.97 cm	200.00 ml/min
11/17/2022 10:04 AM	17:30	7.49 pH	11.14 °C	1,464.0 µS/cm	0.34 mg/L	8.39 NTU	12.6 mV	270.97 cm	200.00 ml/min
11/17/2022 10:05 AM	18:40	7.48 pH	11.21 °C	1,456.6 µS/cm	0.27 mg/L	9.22 NTU	3.0 mV	270.97 cm	200.00 ml/min
11/17/2022 10:06 AM	19:50	7.48 pH	11.08 °C	1,452.3 µS/cm	0.28 mg/L	8.37 NTU	-5.4 mV	270.97 cm	200.00 ml/min
11/17/2022 10:07 AM	21:00	7.48 pH	11.25 °C	1,457.4 µS/cm	0.30 mg/L	8.26 NTU	-13.7 mV	270.97 cm	200.00 ml/min
11/17/2022 10:08 AM	22:10	7.48 pH	11.20 °C	1,456.4 µS/cm	0.29 mg/L	8.11 NTU	-21.1 mV	270.97 cm	200.00 ml/min
11/17/2022 10:09 AM	23:20	7.47 pH	11.20 °C	1,453.2 µS/cm	0.27 mg/L	8.40 NTU	-27.7 mV	270.97 cm	200.00 ml/min
11/17/2022 10:11 AM	24:30	7.47 pH	11.22 °C	1,454.0 µS/cm	0.27 mg/L	8.92 NTU	-33.6 mV	270.97 cm	200.00 ml/min
11/17/2022 10:12 AM	25:40	7.47 pH	11.23 °C	1,454.1 µS/cm	0.28 mg/L	8.73 NTU	-38.9 mV	270.97 cm	200.00 ml/min
11/17/2022 10:13 AM	26:50	7.47 pH	11.23 °C	1,452.0 µS/cm	0.28 mg/L	8.40 NTU	-43.7 mV	270.97 cm	200.00 ml/min
11/17/2022 10:14 AM	28:00	7.47 pH	11.25 °C	1,451.4 µS/cm	0.27 mg/L	7.85 NTU	-48.1 mV	270.97 cm	200.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 11/16/2022 12:31:50 PM
Project: OECI MW-16S (2)
Operator Name: Lrc

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: 2.94 ft**	**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: 513.5 ml** **Flow Cell Volume: 130 ml** **Final Flow Rate: 130 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	
11/16/2022 12:31 PM	00:00	7.71 pH	10.32 °C	640.04 µS/cm	0.93 mg/L	7.03 NTU	4.8 mV	89.61 cm	130.00 ml/min
11/16/2022 12:33 PM	01:19	7.70 pH	10.21 °C	639.44 µS/cm	0.67 mg/L	7.67 NTU	-0.3 mV	89.61 cm	130.00 ml/min
11/16/2022 12:34 PM	02:38	7.69 pH	10.20 °C	638.92 µS/cm	0.57 mg/L	7.43 NTU	-4.4 mV	89.61 cm	130.00 ml/min
11/16/2022 12:35 PM	03:57	7.69 pH	10.17 °C	638.58 µS/cm	0.45 mg/L	7.33 NTU	-9.0 mV	89.61 cm	130.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 11/16/2022 1:21:52 PM
Project: OECI MW-101S (2)
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: 3.74 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: 1800 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**

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	
11/16/2022 1:21 PM	00:00	7.42 pH	12.77 °C	990.52 µS/cm	0.63 mg/L	16.26 NTU	7.8 mV	114.00 cm	120.00 ml/min
11/16/2022 1:23 PM	01:15	7.40 pH	13.17 °C	945.75 µS/cm	0.50 mg/L	15.16 NTU	6.0 mV	114.00 cm	120.00 ml/min
11/16/2022 1:24 PM	02:30	7.38 pH	13.27 °C	889.74 µS/cm	0.51 mg/L	13.92 NTU	4.8 mV	114.00 cm	120.00 ml/min
11/16/2022 1:25 PM	03:45	7.38 pH	13.32 °C	830.45 µS/cm	0.53 mg/L	15.93 NTU	4.8 mV	114.00 cm	120.00 ml/min
11/16/2022 1:26 PM	05:00	7.38 pH	13.30 °C	774.47 µS/cm	0.76 mg/L	25.25 NTU	4.2 mV	114.00 cm	120.00 ml/min
11/16/2022 1:28 PM	06:15	7.37 pH	13.40 °C	706.24 µS/cm	1.15 mg/L	18.98 NTU	4.5 mV	114.00 cm	120.00 ml/min
11/16/2022 1:29 PM	07:30	7.38 pH	13.47 °C	598.19 µS/cm	2.09 mg/L	18.38 NTU	5.3 mV	114.00 cm	120.00 ml/min
11/16/2022 1:30 PM	08:45	7.38 pH	13.45 °C	548.59 µS/cm	2.84 mg/L	24.44 NTU	7.8 mV	114.00 cm	120.00 ml/min
11/16/2022 1:31 PM	10:00	7.38 pH	13.38 °C	509.16 µS/cm	3.45 mg/L	23.88 NTU	10.5 mV	114.00 cm	120.00 ml/min
11/16/2022 1:33 PM	11:15	7.37 pH	13.37 °C	493.58 µS/cm	3.79 mg/L	24.29 NTU	14.5 mV	114.00 cm	120.00 ml/min
11/16/2022 1:34 PM	12:30	7.35 pH	13.37 °C	486.37 µS/cm	3.94 mg/L	20.75 NTU	19.1 mV	114.00 cm	120.00 ml/min
11/16/2022 1:35 PM	13:45	7.33 pH	13.36 °C	477.04 µS/cm	3.93 mg/L	19.21 NTU	23.9 mV	114.00 cm	120.00 ml/min
11/16/2022 1:36 PM	15:00	7.31 pH	13.43 °C	483.97 µS/cm	3.90 mg/L	18.57 NTU	27.2 mV	114.00 cm	120.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 11/16/2022 1:56:59 PM
Project: OECI MW-101B (2)
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: 4.37 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: 637.5 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	
11/16/2022 1:56 PM	00:00	7.38 pH	11.45 °C	822.92 µS/cm	1.34 mg/L	9.16 NTU	64.3 mV	133.20 cm	150.00 ml/min
11/16/2022 1:58 PM	01:25	7.40 pH	11.62 °C	827.28 µS/cm	0.90 mg/L	11.33 NTU	60.8 mV	133.20 cm	150.00 ml/min
11/16/2022 1:59 PM	02:50	7.39 pH	11.69 °C	832.22 µS/cm	0.81 mg/L	11.19 NTU	57.6 mV	133.20 cm	150.00 ml/min
11/16/2022 2:01 PM	04:15	7.39 pH	11.81 °C	836.04 µS/cm	0.62 mg/L	11.32 NTU	54.3 mV	133.20 cm	150.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 11/16/2022 2:40:26 PM
Project: OECI MW-102S (2)
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: 7.35 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: 300 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**

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	
11/16/2022 2:40 PM	00:00	6.99 pH	12.18 °C	3,390.8 µS/cm	1.03 mg/L	12.27 NTU	85.2 mV	224.03 cm	120.00 ml/min
11/16/2022 2:41 PM	01:15	6.99 pH	12.28 °C	3,419.9 µS/cm	0.94 mg/L	12.01 NTU	86.6 mV	224.03 cm	120.00 ml/min
11/16/2022 2:42 PM	02:30	7.01 pH	12.31 °C	3,433.0 µS/cm	0.89 mg/L	12.83 NTU	83.9 mV	224.03 cm	120.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 11/16/2022 3:08:57 PM
Project: OECI MW-102D (2)
Operator Name: Lrc

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: 7.61 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: 900 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	
11/16/2022 3:08 PM	00:00	7.48 pH	10.77 °C	1,050.3 µS/cm	1.69 mg/L	10.02 NTU	70.5 mV	231.95 cm	150.00 ml/min
11/16/2022 3:10 PM	01:30	7.47 pH	10.89 °C	1,057.4 µS/cm	1.06 mg/L	9.58 NTU	71.3 mV	231.95 cm	150.00 ml/min
11/16/2022 3:11 PM	03:00	7.46 pH	10.94 °C	1,051.7 µS/cm	0.76 mg/L	9.97 NTU	69.6 mV	231.95 cm	150.00 ml/min
11/16/2022 3:13 PM	04:30	7.45 pH	10.83 °C	1,049.1 µS/cm	0.67 mg/L	9.39 NTU	67.0 mV	231.95 cm	150.00 ml/min
11/16/2022 3:14 PM	06:00	7.45 pH	10.92 °C	1,050.0 µS/cm	0.60 mg/L	9.17 NTU	64.4 mV	231.95 cm	150.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 11/15/2022 2:00:52 PM
Project: OECI MW-103S (2)
Operator Name: Lrc

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: 5.68 ft**	**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: 534 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**

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	
11/15/2022 2:00 PM	00:00	7.46 pH	10.65 °C	690.02 µS/cm	2.38 mg/L	5.32 NTU	105.1 mV	173.13 cm	120.00 ml/min
11/15/2022 2:02 PM	01:29	7.38 pH	10.85 °C	695.06 µS/cm	2.09 mg/L	5.75 NTU	109.6 mV	173.13 cm	120.00 ml/min
11/15/2022 2:03 PM	02:58	7.34 pH	10.99 °C	696.92 µS/cm	2.00 mg/L	6.61 NTU	111.9 mV	173.13 cm	120.00 ml/min
11/15/2022 2:05 PM	04:27	7.31 pH	11.10 °C	699.53 µS/cm	1.96 mg/L	6.87 NTU	112.6 mV	173.13 cm	120.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 11/15/2022 1:23:35 PM
Project: OECI MW-103D (2)
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: 5.18 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: 1125 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	
11/15/2022 1:23 PM	00:00	7.93 pH	10.99 °C	1,120.7 µS/cm	1.01 mg/L	11.49 NTU	80.0 mV	157.89 cm	150.00 ml/min
11/15/2022 1:25 PM	01:30	7.81 pH	11.06 °C	1,107.5 µS/cm	0.58 mg/L	4.72 NTU	86.0 mV	157.89 cm	150.00 ml/min
11/15/2022 1:26 PM	03:00	7.73 pH	11.07 °C	1,087.9 µS/cm	0.48 mg/L	2.48 NTU	90.4 mV	157.89 cm	150.00 ml/min
11/15/2022 1:28 PM	04:30	7.67 pH	11.09 °C	1,074.2 µS/cm	0.43 mg/L	2.70 NTU	93.0 mV	157.89 cm	150.00 ml/min
11/15/2022 1:29 PM	06:00	7.63 pH	10.94 °C	1,064.2 µS/cm	0.40 mg/L	2.59 NTU	94.4 mV	157.89 cm	150.00 ml/min
11/15/2022 1:31 PM	07:30	7.59 pH	10.93 °C	1,055.1 µS/cm	0.38 mg/L	2.49 NTU	94.8 mV	157.89 cm	150.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 11/16/2022 9:51:47 AM
Project: OECI MW-105S (2)
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: 4.12 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: 598 ml** **Flow Cell Volume: 130 ml** **Final Flow Rate: 130 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	
11/16/2022 9:51 AM	00:00	7.24 pH	10.39 °C	2,371.7 µS/cm	0.89 mg/L	327.80 NTU	92.2 mV	125.58 cm	130.00 ml/min
11/16/2022 9:52 AM	01:09	7.24 pH	10.25 °C	2,415.4 µS/cm	0.54 mg/L	323.34 NTU	88.7 mV	125.58 cm	130.00 ml/min
11/16/2022 9:54 AM	02:18	7.25 pH	10.35 °C	2,420.9 µS/cm	0.47 mg/L	227.34 NTU	84.8 mV	125.58 cm	130.00 ml/min
11/16/2022 9:55 AM	03:27	7.25 pH	10.48 °C	2,425.2 µS/cm	0.42 mg/L	221.52 NTU	80.8 mV	125.58 cm	130.00 ml/min
11/16/2022 9:56 AM	04:36	7.25 pH	10.54 °C	2,417.0 µS/cm	0.38 mg/L	220.27 NTU	77.5 mV	125.58 cm	130.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 11/16/2022 10:17:25 AM
Project: OECI MW-105D (2)
Operator Name: Lrc

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: 3.02 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: 675 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	
11/16/2022 10:17 AM	00:00	7.54 pH	9.34 °C	1,059.7 µS/cm	1.30 mg/L	17.08 NTU	47.4 mV	92.05 cm	150.00 ml/min
11/16/2022 10:18 AM	01:30	7.49 pH	9.63 °C	1,049.2 µS/cm	0.65 mg/L	10.48 NTU	45.0 mV	92.05 cm	150.00 ml/min
11/16/2022 10:20 AM	03:00	7.46 pH	9.72 °C	1,042.5 µS/cm	0.51 mg/L	9.54 NTU	41.9 mV	92.05 cm	150.00 ml/min
11/16/2022 10:21 AM	04:30	7.45 pH	9.67 °C	1,040.1 µS/cm	0.41 mg/L	12.06 NTU	38.2 mV	92.05 cm	150.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 11/16/2022 11:04:01 AM
Project: OECI MW-105B (2)
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: 3.96 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: 4000 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	
11/16/2022 11:04 AM	00:00	7.70 pH	9.55 °C	646.62 µS/cm	0.70 mg/L	8.89 NTU	11.6 mV	120.70 cm	150.00 ml/min
11/16/2022 11:06 AM	02:09	7.70 pH	9.62 °C	645.38 µS/cm	0.50 mg/L	11.81 NTU	2.9 mV	120.70 cm	150.00 ml/min
11/16/2022 11:08 AM	04:18	7.68 pH	9.63 °C	645.07 µS/cm	0.41 mg/L	11.62 NTU	-6.5 mV	120.70 cm	150.00 ml/min
11/16/2022 11:10 AM	06:27	7.68 pH	9.68 °C	643.98 µS/cm	0.36 mg/L	11.49 NTU	-15.9 mV	120.70 cm	150.00 ml/min
11/16/2022 11:13 AM	09:28	7.67 pH	9.80 °C	642.57 µS/cm	0.30 mg/L	11.19 NTU	-29.9 mV	120.70 cm	150.00 ml/min
11/16/2022 11:15 AM	11:37	7.68 pH	9.86 °C	643.28 µS/cm	0.25 mg/L	11.02 NTU	-39.7 mV	120.70 cm	150.00 ml/min
11/16/2022 11:17 AM	13:46	7.69 pH	9.91 °C	642.44 µS/cm	0.21 mg/L	10.56 NTU	-48.7 mV	120.70 cm	150.00 ml/min
11/16/2022 11:19 AM	15:55	7.68 pH	9.94 °C	641.77 µS/cm	0.19 mg/L	10.63 NTU	-56.8 mV	120.70 cm	150.00 ml/min
11/16/2022 11:22 AM	18:04	7.69 pH	9.95 °C	641.34 µS/cm	0.17 mg/L	10.77 NTU	-63.4 mV	120.70 cm	150.00 ml/min
11/16/2022 11:24 AM	20:13	7.69 pH	9.98 °C	641.45 µS/cm	0.15 mg/L	10.52 NTU	-69.2 mV	120.70 cm	150.00 ml/min
11/16/2022 11:26 AM	22:22	7.69 pH	10.02 °C	640.76 µS/cm	0.14 mg/L	10.09 NTU	-74.9 mV	120.70 cm	150.00 ml/min
11/16/2022 11:28 AM	24:31	7.69 pH	10.07 °C	641.13 µS/cm	0.13 mg/L	8.72 NTU	-79.4 mV	120.70 cm	150.00 ml/min
11/16/2022 11:30 AM	26:40	7.69 pH	10.08 °C	640.87 µS/cm	0.13 mg/L	21.35 NTU	-83.3 mV	120.70 cm	150.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 11/15/2022 12:23:48 PM
Project: OECI OW-6 (2)
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: 6.39 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: 1390 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	
11/15/2022 12:23 PM	00:00	9.48 pH	10.97 °C	796.49 µS/cm	1.38 mg/L	6.74 NTU	65.5 mV	194.77 cm	150.00 ml/min
11/15/2022 12:26 PM	02:19	9.64 pH	11.18 °C	809.28 µS/cm	0.87 mg/L	10.33 NTU	52.7 mV	194.77 cm	150.00 ml/min
11/15/2022 12:28 PM	04:38	9.73 pH	11.22 °C	813.62 µS/cm	0.76 mg/L	5.96 NTU	46.3 mV	194.77 cm	150.00 ml/min
11/15/2022 12:30 PM	06:57	9.79 pH	11.09 °C	815.24 µS/cm	0.70 mg/L	6.12 NTU	42.4 mV	194.77 cm	150.00 ml/min
11/15/2022 12:33 PM	09:16	9.83 pH	10.95 °C	815.60 µS/cm	0.67 mg/L	5.45 NTU	39.3 mV	194.77 cm	150.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 11/15/2022 10:22:20 AM
Project: OECI TW-2021 (2)
Operator Name: Lrc

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: 6.38 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: 1212.5 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	
11/15/2022 10:22 AM	00:00	7.45 pH	11.08 °C	1,185.5 µS/cm	0.95 mg/L	43.92 NTU	122.1 mV	194.46 cm	150.00 ml/min
11/15/2022 10:23 AM	01:37	7.41 pH	11.13 °C	1,248.0 µS/cm	0.70 mg/L	17.51 NTU	125.7 mV	194.46 cm	150.00 ml/min
11/15/2022 10:25 AM	03:14	7.38 pH	11.05 °C	1,261.8 µS/cm	0.56 mg/L	21.24 NTU	127.4 mV	194.46 cm	150.00 ml/min
11/15/2022 10:27 AM	04:51	7.36 pH	11.22 °C	1,266.2 µS/cm	0.46 mg/L	5.02 NTU	128.0 mV	194.46 cm	150.00 ml/min
11/15/2022 10:28 AM	06:28	7.35 pH	11.17 °C	1,263.3 µS/cm	0.42 mg/L	3.00 NTU	128.3 mV	194.46 cm	150.00 ml/min
11/15/2022 10:30 AM	08:05	7.35 pH	10.97 °C	1,261.3 µS/cm	0.39 mg/L	0.61 NTU	128.2 mV	194.46 cm	150.00 ml/min

Samples

Sample ID:	Description:

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 CO2 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^{o}C	At T>20^{o}OC, chemical process can be accelerated[(†)]	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 *cis*-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*).

[(†)] 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.

APPENDIX F

Residential Wells
November 2022 Sampling Event Notifications

State of Wisconsin
Department of Natural Resources
PO Box 7921, Madison WI 53707-7921
dnr.wi.gov

Site Investigation Sample Results Notification

Form 4400-249 (R 03/14)

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 Saliares (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? Yes	In Soil? No	In Groundwater? Yes	In Groundwater? No
Gasoline	○	◉	○	◉
Diesel or Fuel Oil	○	◉	○	◉
Solvents	○	◉	◉	○
Heavy Metals	○	◉	○	◉
Pesticides	○	◉	○	◉
Other: _____	○	◉	○	◉

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	Contaminants in Vapor No
Indoor Air	○	◉
Sub-slab	○	◉
Exterior Soil Gas	○	◉

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.	Lindemann	James

Address	City	State	ZIP Code
W175 N11163 Stonewood Drive, Suite 110	Germantown	WI	53022

Phone # (inc. area code)	Email
(262) 250-1226	jclindemann@hyde-env.com

Select which agency: (●) Natural Resources ( ) Agriculture, Trade and Consumer Protection

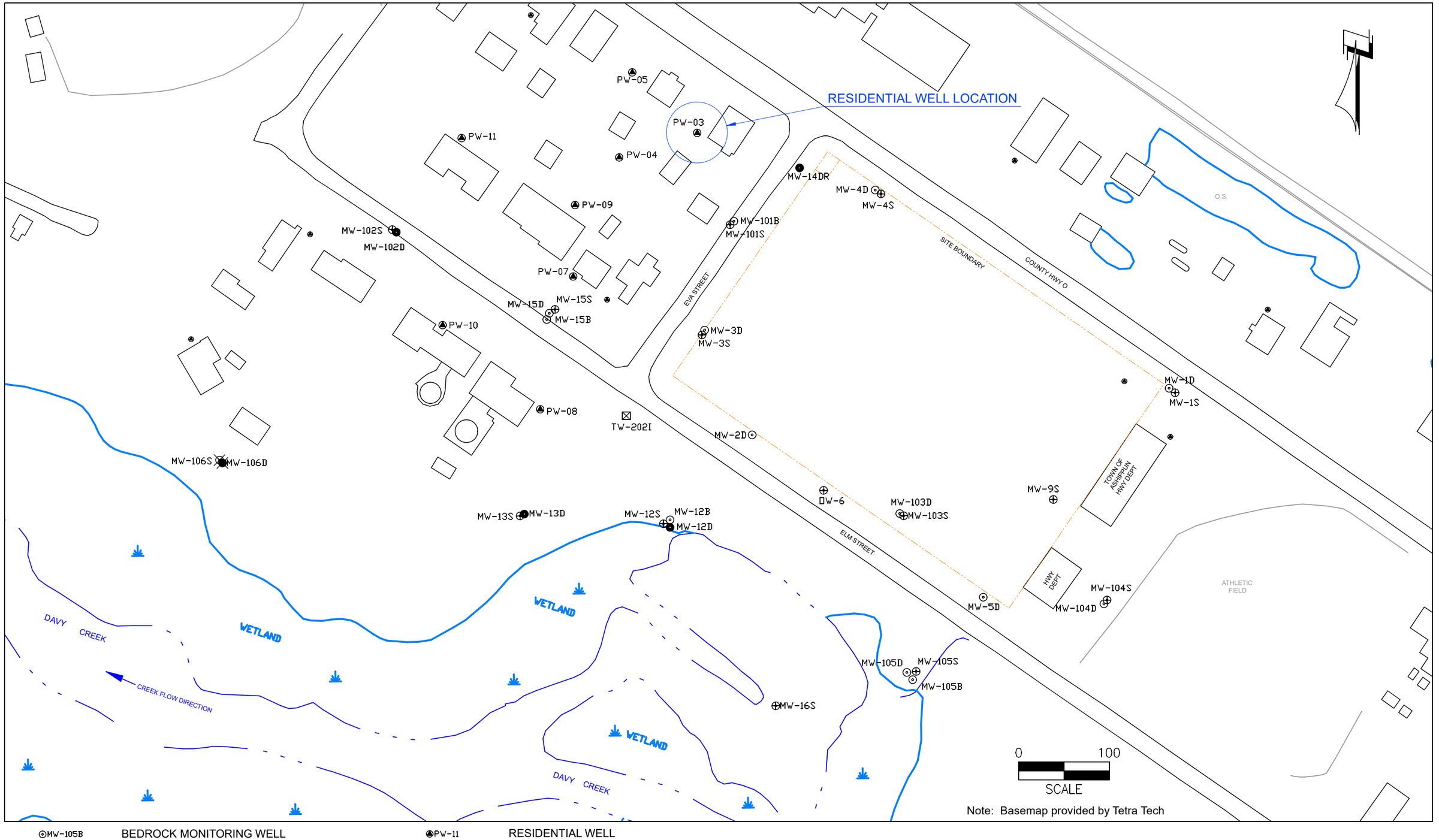
State of Wisconsin Department of Natural Resources

Contact Person Last Name	First Name	Phone # (inc. area code)
Saliares	Gwen	(920) 510-4343

Address	City	State	ZIP Code
625 E County Road Y, Suite 700	Oshkosh	WI	54901

Email

gwen.saliares@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 OECI SITE BOUNDARY		

HEI
HYDE ENVIRONMENTAL, INC.

Figure 1

SITE MAP

Oconomowoc Electroplating Company, Inc.
Ashippun, WI

GROUNDWATER ANALYTICAL RESULTS SUMMARY

W2601 Oak Street, Ashippun, WI

Sampled November 18, 2022

Parameters (ug/L)	*NR 140 Groundwater Quality Health Standards*		
	ES	*PAL*	PW-03
VOCs			
1,2-Dichloroethane	5	0.5	0.04
Chloromethane	30	3	0.12
cis-1,2-Dichloroethene	70	7	3.0
trans-1,2-Dichloroethene	100	20	0.12
Methyl tert-butyl ether (MTBE)	60	12	0.59
Trichloroethene	5	0.5	*0.63*
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)

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608 -356-2760 • www.ctlaboratories.com

ANALYTICAL REPORT

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

Project Name: OEC SUPERFUND WI
Project Phase: ASHIPPUN, WI
Project #:
Folder #: 173848
Purchase Order #:
Contract #: 3451

Arrival Temperature: 4.1
Report Date: 12/1/2022
Date Received: 11/22/2022
Reprint Date: 12/13/2022

CT LAB#: 1266754 Sample Description: PW-03 DNR License/Well #: 04189/051 Sampled: 11/18/2022 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		11/24/2022 04:32	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1	U		11/24/2022 04:32	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1	U		11/24/2022 04:32	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1	U		11/24/2022 04:32	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1	U		11/24/2022 04:32	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1	U		11/24/2022 04:32	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1	U		11/24/2022 04:32	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1	U		11/24/2022 04:32	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1	U		11/24/2022 04:32	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1	U		11/24/2022 04:32	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1	U		11/24/2022 04:32	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1	U		11/24/2022 04:32	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1	U		11/24/2022 04:32	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1	U		11/24/2022 04:32	RLD	EPA 8260C
1,2-Dichloroethane	0.040	ug/L	0.017	0.10	1	J		11/24/2022 04:32	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1	U		11/24/2022 04:32	RLD	EPA 8260C

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

CT LAB#: 1266754 Sample Description:PW-03 DNR License/Well #: 04189/051 Sampled: 11/18/2022 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		11/24/2022 04:32	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1	U		11/24/2022 04:32	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1	U		11/24/2022 04:32	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1	U		11/24/2022 04:32	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1	U		11/24/2022 04:32	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1	U		11/24/2022 04:32	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1	U		11/24/2022 04:32	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1	U		11/24/2022 04:32	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1	U		11/24/2022 04:32	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1	U		11/24/2022 04:32	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1	U		11/24/2022 04:32	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1	U		11/24/2022 04:32	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1	U		11/24/2022 04:32	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1	U		11/24/2022 04:32	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1	U		11/24/2022 04:32	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1	U		11/24/2022 04:32	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1	U Z		11/24/2022 04:32	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1	U		11/24/2022 04:32	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1	U		11/24/2022 04:32	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1	U		11/24/2022 04:32	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1	U		11/24/2022 04:32	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1	U		11/24/2022 04:32	RLD	EPA 8260C
Chloromethane	0.12	ug/L	0.045	0.20	1	J B		11/24/2022 04:32	RLD	EPA 8260C
cis-1,2-Dichloroethene	3.0	ug/L	0.023	0.10	1			11/24/2022 04:32	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1	U		11/24/2022 04:32	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1	U		11/24/2022 04:32	RLD	EPA 8260C

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

CT LAB#: 1266754 Sample Description:PW-03 DNR License/Well #: 04189/051 Sampled: 11/18/2022 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		11/24/2022 04:32	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1	U		11/24/2022 04:32	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1	U		11/24/2022 04:32	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1	U		11/24/2022 04:32	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1	U		11/24/2022 04:32	RLD	EPA 8260C
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1	U		11/24/2022 04:32	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1	U		11/24/2022 04:32	RLD	EPA 8260C
Methyl tert-butyl ether	0.59	ug/L	0.014	0.10	1	Q,Y		11/24/2022 04:32	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1	U		11/24/2022 04:32	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1	U		11/24/2022 04:32	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1	U		11/24/2022 04:32	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1	U		11/24/2022 04:32	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1	U		11/24/2022 04:32	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1	U		11/24/2022 04:32	RLD	EPA 8260C
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1	U		11/24/2022 04:32	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1	U		11/24/2022 04:32	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1	U		11/24/2022 04:32	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1	U		11/24/2022 04:32	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1	U		11/24/2022 04:32	RLD	EPA 8260C
Toluene	<0.020	ug/L	0.020	0.10	1	U		11/24/2022 04:32	RLD	EPA 8260C
trans-1,2-Dichloroethene	0.12	ug/L	0.020	0.10	1			11/24/2022 04:32	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1	U		11/24/2022 04:32	RLD	EPA 8260C
Trichloroethene	0.63	ug/L	0.022	0.10	1			11/24/2022 04:32	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1	U		11/24/2022 04:32	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1	U		11/24/2022 04:32	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1	U		11/24/2022 04:32	RLD	EPA 8260C

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

CT LAB#: 1266754 Sample Description:PW-03 DNR License/Well #: 04189/051 Sampled: 11/18/2022 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	11/22/2022 11:00	11/28/2022 18:00	ALD	EPA 8270D-SIM

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

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" qualifer 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.

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

QC Qualifiers

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

Current CT Laboratories Certifications

Wisconsin (WDNR) Chemistry ID# 157066030

Wisconsin (DATCP) Bacteriology ID# 289

Louisiana NELAP (primary) ID# 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

Rev. 02/2017

CHAIN OF CUSTODY

Page _____ of _____

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

Company: Hyde Environmental
Project Contact: Jim Lindemann
Telephone: 262-250-1226
Project Name: OEC Superfund WI
Project #:
Location: Ashippun WI
Sampled By: Logan Cranley

Folder #: 173848
Company: HYDE ENVIRONMENTAL, INC
Project: OCONOMOWOC ELECTROP
Logged By: erc PM: BMS

Program: CSM RCRA SDWA NPDES Solid Waste Other superfund
PO #

Report To:
EMAIL: jclindemann@hyde-enviro.com
Company: Hyde Environmental
Address: W175 N1163 Stonewood Dr 110, Germantown WI

Invoice To:*
EMAIL:
Company:
Address: Same

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

Client Special Instructions

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

Collection Date	Collection Time	Matrix	Grab/ Comp	Sample #	Sample ID Description	Filtered? Y/N	VOCs low level (8260c)	1,4 Dioxane (8270D-SIM)											Total # Containers	Designated MS/MSD	CT Lab ID # (Lab use only)
							Fill in Spaces with Bottles per Test															
11-18-22	1545	DW	Grab		PW-03	N	3	2													1266754
					Trip Blank - OEC - WI		X															55

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

Relinquished By:	Date/Time	Received By:	Date/Time
Logan Cranley	11-18-22 1700		
Received by:	**Date/Time**	**Received for Laboratory by:**	**Date/Time**
		DL	11/22/22 945

Lab Use Only
Ice Present (Yes) No
Temp 4.1 IR Gun 28
Cooler # 5526

State of Wisconsin
Department of Natural Resources
PO Box 7921, Madison WI 53707-7921
dnr.wi.gov

Site Investigation Sample Results Notification

Form 4400-249 (R 03/14)

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 Saliares (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? Yes	In Soil? No	In Groundwater? Yes	In Groundwater? No
Gasoline	○	◉	○	◉
Diesel or Fuel Oil	○	◉	○	◉
Solvents	○	◉	◉	○
Heavy Metals	○	◉	○	◉
Pesticides	○	◉	○	◉
Other: _____	○	◉	○	◉

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	Contaminants in Vapor No
Indoor Air	○	◉
Sub-slab	○	◉
Exterior Soil Gas	○	◉

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.	Lindemann	James

Address	City	State	ZIP Code
W175 N11163 Stonewood Drive, Suite 110	Germantown	WI	53022

Phone # (inc. area code)	Email
(262) 250-1226	jclindemann@hyde-env.com

Select which agency: (●) Natural Resources ( ) Agriculture, Trade and Consumer Protection

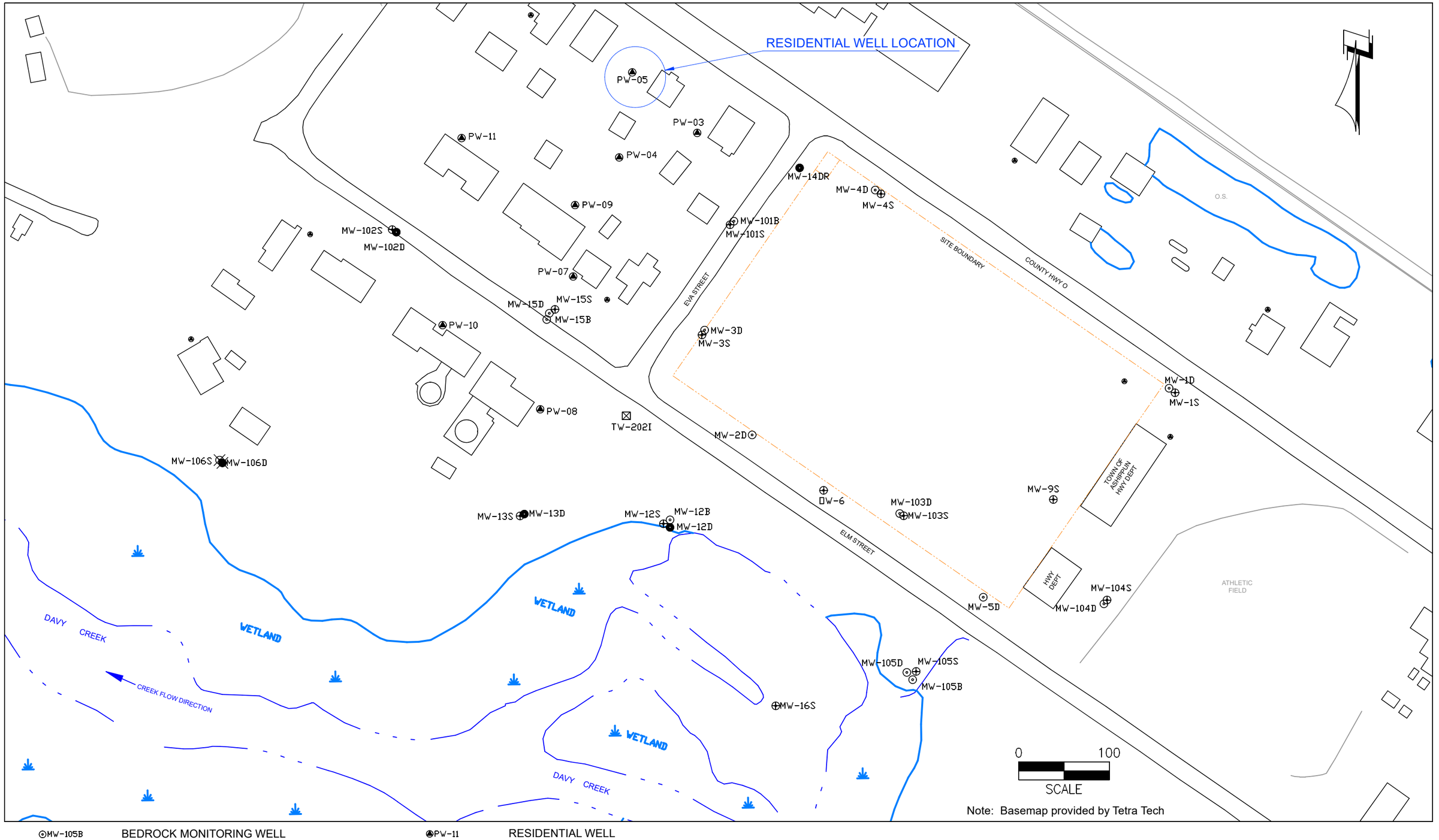
State of Wisconsin Department of Natural Resources

Contact Person Last Name	First Name	Phone # (inc. area code)
Saliares	Gwen	(920) 510-4343

Address	City	State	ZIP Code
625 E County Road Y, Suite 700	Oshkosh	WI	54901

Email

gwen.saliares@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 OECI SITE BOUNDARY		

HEI
HYDE ENVIRONMENTAL, INC.

Figure 1

SITE MAP

Oconomowoc Electroplating Company, Inc.
Ashippun, WI

GROUNDWATER ANALYTICAL RESULTS SUMMARY
W2611 Oak Street, Ashippun, WI

Sampled November 17, 2022

Parameters (ug/L)	*NR 140 Groundwater Quality Health Standards*		
	ES	*PAL*	PW-05
VOCs			
Chloromethane	30	3	0.10
1,2-Dichloroethane	5	0.5	<0.017
cis-1,2-Dichloroethene	70	7	1.2
trans-1,2-Dichloroethene	100	20	0.055
Diisopropyl ether	--	--	0.21
Methyl tert-butyl ether (MTBE)	60	12	0.52
Trichloroethene	5	0.5	0.095
Vinyl acetate	--	--	0.31
1,4-Dioxane	3	0.3	<0.40

Notes:

PAL = Preventive Action Limit
ES = Enforcement Standard
-- = No standard
Italicized values attain or exceed the NR 140 PAL
ug/L = micrograms per liter
< = less than the laboratory method detection limit (MDL)

CT LABORATORIES
delivering more than data from your environmental analyses

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608 -356-2760 • www.ctlaboratories.com

ANALYTICAL REPORT

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

Project Name: OEC SUPERFUND WI
Project Phase: ASHIPPUN, WI
Project #:
Folder #: 173815
Purchase Order #:
Contract #: 3451

Arrival Temperature: 1.7
Report Date: 12/13/2022
Date Received: 11/18/2022
Reprint Date: 12/13/2022

CT LAB#: 1265490 Sample Description: PW-05 DNR License/Well #: 04189/053 Sampled: 11/17/2022 13:30

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		11/24/2022 04:04	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1	U		11/24/2022 04:04	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1	U		11/24/2022 04:04	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1	U		11/24/2022 04:04	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1	U		11/24/2022 04:04	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1	U		11/24/2022 04:04	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1	U		11/24/2022 04:04	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1	U		11/24/2022 04:04	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1	U		11/24/2022 04:04	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1	U		11/24/2022 04:04	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1	U		11/24/2022 04:04	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1	U		11/24/2022 04:04	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1	U		11/24/2022 04:04	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1	U		11/24/2022 04:04	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1	U		11/24/2022 04:04	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1	U		11/24/2022 04:04	RLD	EPA 8260C

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

CT LAB#: 1265490 Sample Description:PW-05 DNR License/Well #: 04189/053 Sampled: 11/17/2022 13:30

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		11/24/2022 04:04	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1	U		11/24/2022 04:04	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1	U		11/24/2022 04:04	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1	U		11/24/2022 04:04	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1	U		11/24/2022 04:04	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1	U		11/24/2022 04:04	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1	U		11/24/2022 04:04	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1	U		11/24/2022 04:04	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1	U		11/24/2022 04:04	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1	U		11/24/2022 04:04	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1	U		11/24/2022 04:04	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1	U		11/24/2022 04:04	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1	U		11/24/2022 04:04	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1	U		11/24/2022 04:04	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1	U		11/24/2022 04:04	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1	U		11/24/2022 04:04	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1	U Z		11/24/2022 04:04	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1	U		11/24/2022 04:04	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1	U		11/24/2022 04:04	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1	U		11/24/2022 04:04	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1	U		11/24/2022 04:04	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1	U		11/24/2022 04:04	RLD	EPA 8260C
Chloromethane	0.10	ug/L	0.045	0.20	1	J B		11/24/2022 04:04	RLD	EPA 8260C
cis-1,2-Dichloroethene	1.2	ug/L	0.023	0.10	1			11/24/2022 04:04	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1	U		11/24/2022 04:04	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1	U		11/24/2022 04:04	RLD	EPA 8260C

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

CT LAB#: 1265490 Sample Description:PW-05 DNR License/Well #: 04189/053 Sampled: 11/17/2022 13:30

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		11/24/2022 04:04	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1	U		11/24/2022 04:04	RLD	EPA 8260C
Diisopropyl ether	0.21	ug/L	0.02	0.1	1			11/24/2022 04:04	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1	U		11/24/2022 04:04	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1	U		11/24/2022 04:04	RLD	EPA 8260C
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1	U		11/24/2022 04:04	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1	U		11/24/2022 04:04	RLD	EPA 8260C
Methyl tert-butyl ether	0.52	ug/L	0.014	0.10	1	Q,Y		11/24/2022 04:04	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1	U		11/24/2022 04:04	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1	U		11/24/2022 04:04	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1	U		11/24/2022 04:04	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1	U		11/24/2022 04:04	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1	U		11/24/2022 04:04	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1	U		11/24/2022 04:04	RLD	EPA 8260C
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1	U		11/24/2022 04:04	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1	U		11/24/2022 04:04	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1	U		11/24/2022 04:04	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1	U		11/24/2022 04:04	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1	U		11/24/2022 04:04	RLD	EPA 8260C
Toluene	<0.020	ug/L	0.020	0.10	1	U		11/24/2022 04:04	RLD	EPA 8260C
trans-1,2-Dichloroethene	0.055	ug/L	0.020	0.10	1	J		11/24/2022 04:04	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1	U		11/24/2022 04:04	RLD	EPA 8260C
Trichloroethene	0.095	ug/L	0.022	0.10	1	J		11/24/2022 04:04	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1	U		11/24/2022 04:04	RLD	EPA 8260C
Vinyl acetate	0.31	ug/L	0.14	1.0	1	J		11/24/2022 04:04	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1	U		11/24/2022 04:04	RLD	EPA 8260C

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

CT LAB#: 1265490 Sample Description:PW-05 DNR License/Well #: 04189/053 Sampled: 11/17/2022 13:30

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	11/22/2022 11:00	11/28/2022 17:39	ALD	EPA 8270D-SIM

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

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" qualifer 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.

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

QC Qualifiers

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

Current CT Laboratories Certifications

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

Rev. 02/2017

CHAIN OF CUSTODY

Page _____ of _____

Company: Hyde Environmental
Project Contact: Jim Lindemann
Telephone: 262-250-1226
Project Name: OEC Superfund WI
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:

173815

Program:
QSM RCRA SDWA NPDES
Solid Waste Other superfund

PO #

Report To:
EMAIL: jclindemann@hyde-env.com
Company: Hyde Environmental
Address: W175 N11163 Stonewood Dr 110, Germantown WI

Invoice To:*
EMAIL:
Company:
Address: Same

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

Client Special Instructions

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

ANALYSES REQUESTED

Collection Date	Collection Time	Matrix	Grab/ Comp	Sample #	Sample ID Description	Filtered? Y/N	VOCs low level (8260C)	1,4 Dioxane (8270D-SIM)	Total # Containers	Designated MS/MSD	CT Lab ID # (Lab use only)
							Fill in Spaces with Bottles per Test				
11-17-22	1330	DW	Grab		PW-05	N	3	2			1265490

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

Relinquished By:	Date/Time	Received By:	Date/Time
Logan Cranley	11-17-22 1445		11/18/22 952
Received by:	**Date/Time**	**Received for Laboratory by:**	**Date/Time**
			11/18/22 1035

Lab Use Only
Ice Present Yes No
Temp 1.7 IR Gun 27
Cooler # Cash

State of Wisconsin
Department of Natural Resources
PO Box 7921, Madison WI 53707-7921
dnr.wi.gov

Site Investigation Sample Results Notification

Form 4400-249 (R 03/14)

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 Saliares (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? Yes	In Soil? No	In Groundwater? Yes	In Groundwater? No
Gasoline	○	◉	○	◉
Diesel or Fuel Oil	○	◉	○	◉
Solvents	○	◉	◉	○
Heavy Metals	○	◉	○	◉
Pesticides	○	◉	○	◉
Other: _____	○	◉	○	◉

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	Contaminants in Vapor No
Indoor Air	○	◉
Sub-slab	○	◉
Exterior Soil Gas	○	◉

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.	Lindemann	James

Address	City	State	ZIP Code
W175 N11163 Stonewood Drive, Suite 110	Germantown	WI	53022

Phone # (inc. area code)	Email
(262) 250-1226	jclindemann@hyde-env.com

Select which agency: (●) Natural Resources ( ) Agriculture, Trade and Consumer Protection

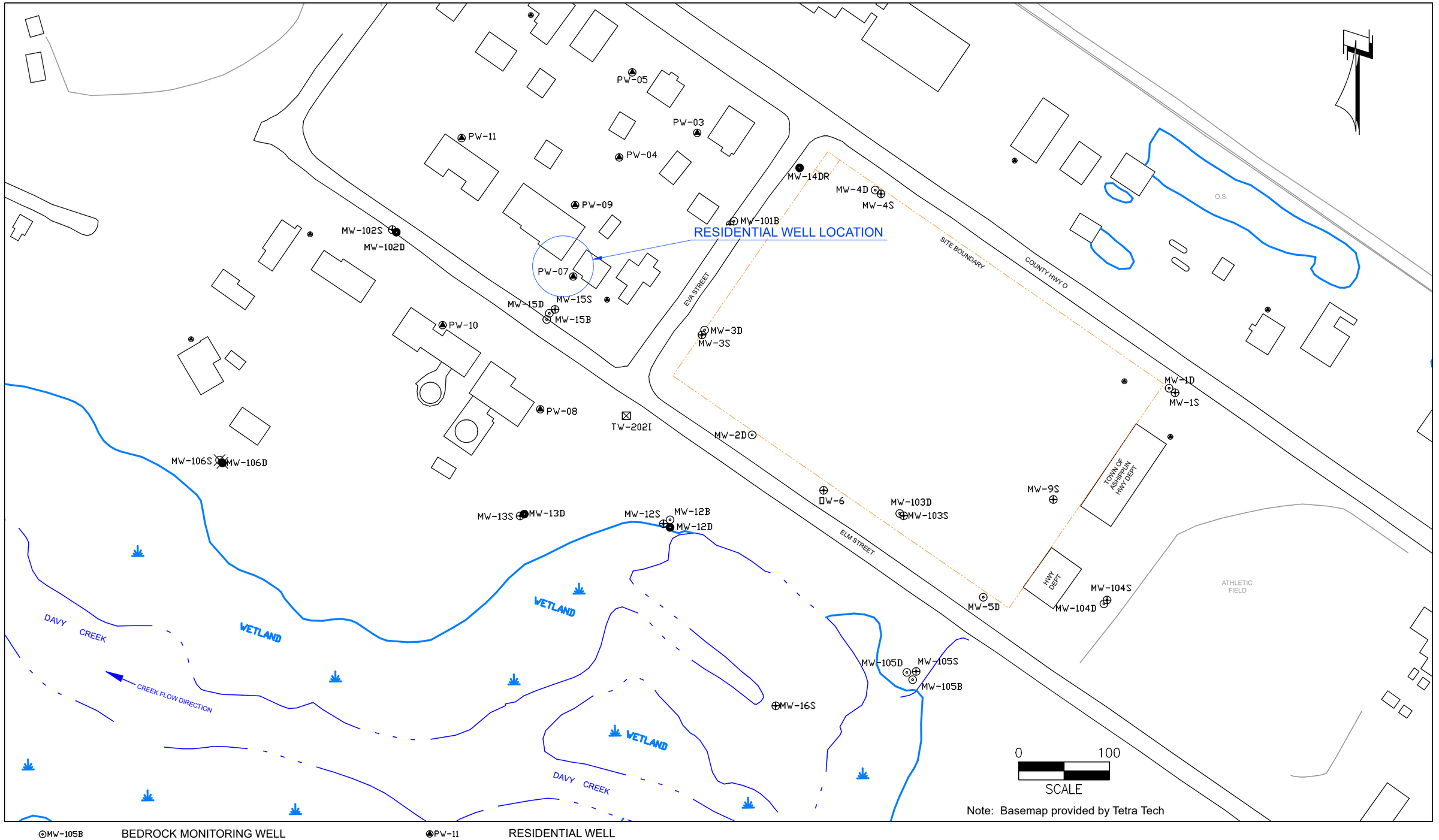
State of Wisconsin Department of Natural Resources

Contact Person Last Name	First Name	Phone # (inc. area code)
Saliares	Gwen	(920) 510-4343

Address	City	State	ZIP Code
625 E County Road Y, Suite 700	Oshkosh	WI	54901

Email

gwen.saliares@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 OECI SITE BOUNDARY		

HEI
HYDE ENVIRONMENTAL, INC.

Figure 1

SITE MAP

Oconomowoc Electroplating Company, Inc.
Ashippun, WI

GROUNDWATER ANALYTICAL RESULTS SUMMARY

W2602 Elm Street, Ashippun, WI

Sampled November 17, 2022

Parameters (ug/L)	*NR 140 Groundwater Quality Health Standards*		
	ES	*PAL*	PW-07
VOCs			
1,2-Dichloroethane	5	0.5	0.048
Chloromethane	30	3	0.11
cis-1,2-Dichloroethene	70	7	6.9
Diisopropyl ether	--	--	0.024
Methyl tert-butyl ether (MTBE)	60	12	0.65
trans-1,2-Dichloroethene	100	20	0.28
Trichloroethene	5	0.5	0.064
Vinyl chloride	0.2	0.02	*0.044*
1,4-Dioxane	3	0.3	<0.40

Notes:

PAL = Preventive Action Limit
ES = Enforcement Standard
-- = No standard
Italicized values attain or exceed the NR 140 PAL
ug/L = micrograms per liter
< = less than the laboratory method detection limit (MDL)

CT LABORATORIES
delivering more than data from your environmental analyses

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

ANALYTICAL REPORT

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

Project Name: OEC SUPERFUND WI
Project Phase: ASHIPPUN, WI
Project #:
Folder #: 173815
Purchase Order #:
Contract #: 3451

Arrival Temperature: 1.7
Report Date: 12/13/2022
Date Received: 11/18/2022
Reprint Date: 12/13/2022

CT LAB#: 1265488 Sample Description: PW-07 DNR License/Well #: 04189/054 Sampled: 11/17/2022 12:30

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		11/24/2022 03:07	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1	U		11/24/2022 03:07	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1	U		11/24/2022 03:07	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1	U		11/24/2022 03:07	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1	U		11/24/2022 03:07	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1	U		11/24/2022 03:07	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1	U		11/24/2022 03:07	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1	U		11/24/2022 03:07	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1	U		11/24/2022 03:07	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1	U		11/24/2022 03:07	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1	U		11/24/2022 03:07	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1	U		11/24/2022 03:07	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1	U		11/24/2022 03:07	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1	U		11/24/2022 03:07	RLD	EPA 8260C
1,2-Dichloroethane	0.048	ug/L	0.017	0.10	1	J		11/24/2022 03:07	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1	U		11/24/2022 03:07	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#: 1265488 Sample Description:PW-07 DNR License/Well #: 04189/054 Sampled: 11/17/2022 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	U		11/24/2022 03:07	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1	U		11/24/2022 03:07	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1	U		11/24/2022 03:07	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1	U		11/24/2022 03:07	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1	U		11/24/2022 03:07	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1	U		11/24/2022 03:07	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1	U		11/24/2022 03:07	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1	U		11/24/2022 03:07	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1	U		11/24/2022 03:07	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1	U		11/24/2022 03:07	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1	U		11/24/2022 03:07	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1	U		11/24/2022 03:07	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1	U		11/24/2022 03:07	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1	U		11/24/2022 03:07	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1	U		11/24/2022 03:07	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1	U		11/24/2022 03:07	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1	U Z		11/24/2022 03:07	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1	U		11/24/2022 03:07	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1	U		11/24/2022 03:07	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1	U		11/24/2022 03:07	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1	U		11/24/2022 03:07	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1	U		11/24/2022 03:07	RLD	EPA 8260C
Chloromethane	0.11	ug/L	0.045	0.20	1	J B		11/24/2022 03:07	RLD	EPA 8260C
cis-1,2-Dichloroethene	6.9	ug/L	0.023	0.10	1			11/24/2022 03:07	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1	U		11/24/2022 03:07	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1	U		11/24/2022 03:07	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#: 1265488 Sample Description:PW-07 DNR License/Well #: 04189/054 Sampled: 11/17/2022 12:30

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		11/24/2022 03:07	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1	U		11/24/2022 03:07	RLD	EPA 8260C
Diisopropyl ether	0.024	ug/L	0.02	0.1	1	J		11/24/2022 03:07	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1	U		11/24/2022 03:07	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1	U		11/24/2022 03:07	RLD	EPA 8260C
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1	U		11/24/2022 03:07	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1	U		11/24/2022 03:07	RLD	EPA 8260C
Methyl tert-butyl ether	0.65	ug/L	0.014	0.10	1	Q,Y		11/24/2022 03:07	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1	U		11/24/2022 03:07	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1	U		11/24/2022 03:07	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1	U		11/24/2022 03:07	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1	U		11/24/2022 03:07	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1	U		11/24/2022 03:07	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1	U		11/24/2022 03:07	RLD	EPA 8260C
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1	U		11/24/2022 03:07	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1	U		11/24/2022 03:07	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1	U		11/24/2022 03:07	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1	U		11/24/2022 03:07	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1	U		11/24/2022 03:07	RLD	EPA 8260C
Toluene	<0.020	ug/L	0.020	0.10	1	U		11/24/2022 03:07	RLD	EPA 8260C
trans-1,2-Dichloroethene	0.28	ug/L	0.020	0.10	1			11/24/2022 03:07	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1	U		11/24/2022 03:07	RLD	EPA 8260C
Trichloroethene	0.064	ug/L	0.022	0.10	1	J		11/24/2022 03:07	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1	U		11/24/2022 03:07	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1	U		11/24/2022 03:07	RLD	EPA 8260C
Vinyl chloride	0.044	ug/L	0.019	0.10	1	J		11/24/2022 03:07	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#: 1265488 Sample Description:PW-07 DNR License/Well #: 04189/054 Sampled: 11/17/2022 12:30

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	11/22/2022 11:00	11/28/2022 16:58	ALD	EPA 8270D-SIM

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

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" qualifer 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.

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

QC Qualifiers

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

Current CT Laboratories Certifications

Wisconsin (WDNR) Chemistry ID# 157066030

Wisconsin (DATCP) Bacteriology ID# 289

Louisiana NELAP (primary) ID# 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

Rev. 02/2017

CHAIN OF CUSTODY

Page _____ of _____

Company: Hyde Environmental
Project Contact: Jim Lindemann
Telephone: 262-250-1226
Project Name: OEC Superfund WI
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

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173815

Program:
QSM RCRA SDWA NPDES
Solid Waste Other superfund

PO #

Report To:
EMAIL: jclindemann@hyde-env.com
Company: Hyde Environmental
Address: W175 N11163 Stonewood Dr 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

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

Collection Date	Collection Time	Matrix	Grab/ Comp	Sample #	Sample ID Description	Filtered? Y/N	VOCs low level (8260C)	1,4 Dioxane (8270D-SIM)	[redacted]	Total # Containers	Designated MS/MSD	CT Lab ID # (Lab use only)
							Fill in Spaces with Both					
11-17-22	1230	DW	Grab		PW-07	N	3	2				1265488

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

Relinquished By:	Date/Time	Received By:	Date/Time
Logan Cranley	11-17-22 1435		11/18/22 952
Received by:	Date/Time	Received for Laboratory by:	Date/Time
			11/18/22 1035

Lab Use Only
Ice Present Yes No
Temp 1.7 IR Gun 27
Cooler # 6389

State of Wisconsin
Department of Natural Resources
PO Box 7921, Madison WI 53707-7921
dnr.wi.gov

Site Investigation Sample Results Notification

Form 4400-249 (R 03/14)

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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 Saliares (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? Yes	In Soil? No	In Groundwater? Yes	In Groundwater? No
Gasoline	○	◉	○	◉
Diesel or Fuel Oil	○	◉	○	◉
Solvents	○	◉	◉	○
Heavy Metals	○	◉	○	◉
Pesticides	○	◉	○	◉
Other: _____	○	◉	○	◉

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	Contaminants in Vapor No
Indoor Air	○	◉
Sub-slab	○	◉
Exterior Soil Gas	○	◉

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.	Lindemann	James

Address	City	State	ZIP Code
W175 N11163 Stonewood Drive, Suite 110	Germantown	WI	53022

Phone # (inc. area code)	Email
(262) 250-1226	jclindemann@hyde-env.com

Select which agency: (●) Natural Resources ( ) Agriculture, Trade and Consumer Protection

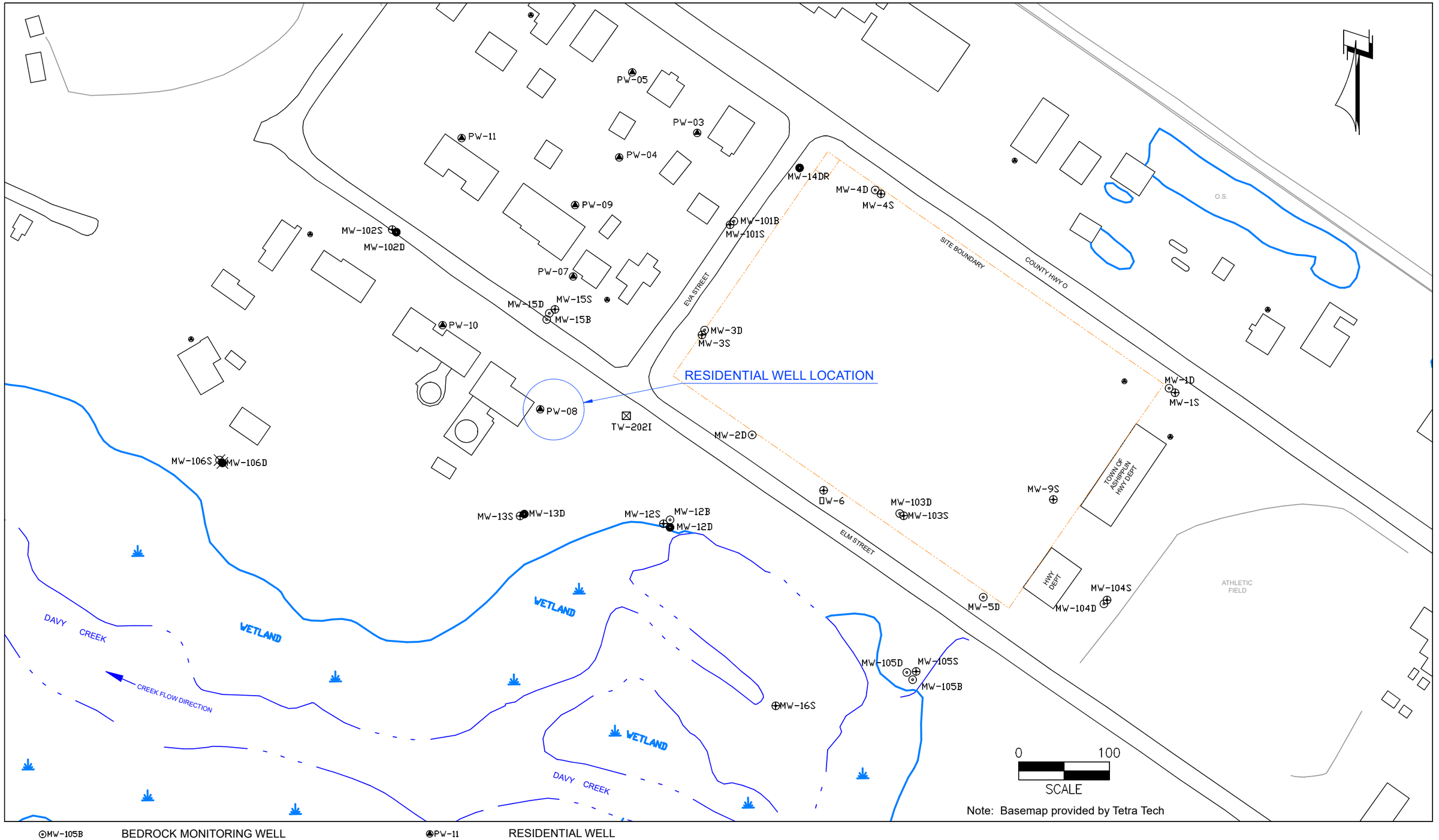
State of Wisconsin Department of Natural Resources

Contact Person Last Name	First Name	Phone # (inc. area code)
Saliares	Gwen	(920) 510-4343

Address	City	State	ZIP Code
625 E County Road Y, Suite 700	Oshkosh	WI	54901

Email

gwen.saliares@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 OECI SITE BOUNDARY		

HEI
HYDE ENVIRONMENTAL, INC.

Figure 1

SITE MAP

Oconomowoc Electroplating Company, Inc.
Ashippun, WI

GROUNDWATER ANALYTICAL RESULTS SUMMARY
W2603 Elm Street, Ashippun, WI

Sampled November 17, 2022

Parameters (ug/L)	*NR 140 Groundwater Quality Health Standards*		
	ES	*PAL*	PW-08
VOCs			
Chloroform	6	0.6	0.038
2-Chlorotoluene	--	--	0.023
Chloromethane	30	3	0.13
cis-1,2-Dichloroethene	70	7	2.6
trans-1,2-Dichloroethene	100	20	0.12
Diisopropyl ether	--	--	0.059
Methyl tert-butyl ether (MTBE)	60	12	0.71
Toluene	800	160	5.80
Trichloroethene	5	0.5	0.052
Vinyl chloride	0.2	0.02	*0.039*
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)

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608 -356-2760 • www.ctlaboratories.com

ANALYTICAL REPORT

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

Project Name: OEC SUPERFUND WI
Project Phase: ASHIPPUN, WI
Project #:
Folder #: 173815
Purchase Order #:
Contract #: 3451

Arrival Temperature: 1.7
Report Date: 12/13/2022
Date Received: 11/18/2022
Reprint Date: 12/13/2022

CT LAB#: 1265489 Sample Description: PW-08 DNR License/Well #: 04189/055 Sampled: 11/17/2022 13:00

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		11/24/2022 03:36	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1	U		11/24/2022 03:36	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1	U		11/24/2022 03:36	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1	U		11/24/2022 03:36	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1	U		11/24/2022 03:36	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1	U		11/24/2022 03:36	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1	U		11/24/2022 03:36	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1	U		11/24/2022 03:36	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1	U		11/24/2022 03:36	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1	U		11/24/2022 03:36	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1	U		11/24/2022 03:36	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1	U		11/24/2022 03:36	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1	U		11/24/2022 03:36	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1	U		11/24/2022 03:36	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1	U		11/24/2022 03:36	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1	U		11/24/2022 03:36	RLD	EPA 8260C

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

CT LAB#: 1265489 Sample Description:PW-08 DNR License/Well #: 04189/055 Sampled: 11/17/2022 13:00

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		11/24/2022 03:36	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1	U		11/24/2022 03:36	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1	U		11/24/2022 03:36	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1	U		11/24/2022 03:36	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1	U		11/24/2022 03:36	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1	U		11/24/2022 03:36	RLD	EPA 8260C
2-Chlorotoluene	0.023	ug/L	0.020	0.10	1	J		11/24/2022 03:36	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1	U		11/24/2022 03:36	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1	U		11/24/2022 03:36	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1	U		11/24/2022 03:36	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1	U		11/24/2022 03:36	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1	U		11/24/2022 03:36	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1	U		11/24/2022 03:36	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1	U		11/24/2022 03:36	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1	U		11/24/2022 03:36	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1	U		11/24/2022 03:36	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1	U Z		11/24/2022 03:36	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1	U		11/24/2022 03:36	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1	U		11/24/2022 03:36	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1	U		11/24/2022 03:36	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1	U		11/24/2022 03:36	RLD	EPA 8260C
Chloroform	0.038	ug/L	0.016	0.10	1	J		11/24/2022 03:36	RLD	EPA 8260C
Chloromethane	0.13	ug/L	0.045	0.20	1	J B		11/24/2022 03:36	RLD	EPA 8260C
cis-1,2-Dichloroethene	2.6	ug/L	0.023	0.10	1			11/24/2022 03:36	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1	U		11/24/2022 03:36	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1	U		11/24/2022 03:36	RLD	EPA 8260C

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

CT LAB#: 1265489 Sample Description:PW-08 DNR License/Well #: 04189/055 Sampled: 11/17/2022 13:00

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		11/24/2022 03:36	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1	U		11/24/2022 03:36	RLD	EPA 8260C
Diisopropyl ether	0.059	ug/L	0.02	0.1	1	J		11/24/2022 03:36	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1	U		11/24/2022 03:36	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1	U		11/24/2022 03:36	RLD	EPA 8260C
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1	U		11/24/2022 03:36	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1	U		11/24/2022 03:36	RLD	EPA 8260C
Methyl tert-butyl ether	0.71	ug/L	0.014	0.10	1	Q,Y		11/24/2022 03:36	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1	U		11/24/2022 03:36	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1	U		11/24/2022 03:36	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1	U		11/24/2022 03:36	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1	U		11/24/2022 03:36	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1	U		11/24/2022 03:36	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1	U		11/24/2022 03:36	RLD	EPA 8260C
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1	U		11/24/2022 03:36	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1	U		11/24/2022 03:36	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1	U		11/24/2022 03:36	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1	U		11/24/2022 03:36	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1	U		11/24/2022 03:36	RLD	EPA 8260C
Toluene	5.8	ug/L	0.020	0.10	1			11/24/2022 03:36	RLD	EPA 8260C
trans-1,2-Dichloroethene	0.12	ug/L	0.020	0.10	1			11/24/2022 03:36	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1	U		11/24/2022 03:36	RLD	EPA 8260C
Trichloroethene	0.052	ug/L	0.022	0.10	1	J		11/24/2022 03:36	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1	U		11/24/2022 03:36	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1	U		11/24/2022 03:36	RLD	EPA 8260C
Vinyl chloride	0.039	ug/L	0.019	0.10	1	J		11/24/2022 03:36	RLD	EPA 8260C

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

CT LAB#: 1265489 Sample Description:PW-08 DNR License/Well #: 04189/055 Sampled: 11/17/2022 13:00

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	11/22/2022 11:00	11/28/2022 17:19	ALD	EPA 8270D-SIM

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

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" qualifer 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.

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

QC Qualifiers

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

Current CT Laboratories Certifications

Wisconsin (WDNR) Chemistry ID# 157066030

Wisconsin (DATCP) Bacteriology ID# 289

Louisiana NELAP (primary) ID# 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

Rev. 02/2017

CHAIN OF CUSTODY

Page _____ of _____

Company: Hyde Environmental
Project Contact: Jim Lindemann
Telephone: 262-250-1226
Project Name: OEC Superfund WI
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

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173815

Program:
QSM RCRA SDWA NPDES
Solid Waste Other superfund

PO #

Report To:
EMAIL: jclindemann@hyde-env.com
Company: Hyde Environmental
Address: W175 N11163 Stonewood Dr 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

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

ANALYSES REQUESTED

Collection Date	Collection Time	Matrix	Grab/ Comp	Sample #	Sample ID Description	Filtered? Y/N	VOCs low level (8260C)	1,4 Dioxane (8270D-SIM)	Total # Containers	Designated MS/MSD	CT Lab ID # (Lab use only)
11-17-22	1300	DW	Grab		PW-08	N	3	2			126589

Fill in Spaces with Bottl

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

Relinquished By:	Date/Time	Received By:	Date/Time
Logan Cranley	11-17-22 1440		11/18/22 952
Received by:	Date/Time	Received for Laboratory by:	Date/Time
			11/18/22 1235

Lab Use Only
Ice Present (Yes) No
Temp 1.7 IR Gun _____
Cooler # 6384

State of Wisconsin
Department of Natural Resources
PO Box 7921, Madison WI 53707-7921
dnr.wi.gov

Site Investigation Sample Results Notification

Form 4400-249 (R 03/14)

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 Saliares (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? Yes	In Soil? No	In Groundwater? Yes	In Groundwater? No
Gasoline	○	◉	○	◉
Diesel or Fuel Oil	○	◉	○	◉
Solvents	○	◉	◉	○
Heavy Metals	○	◉	○	◉
Pesticides	○	◉	○	◉
Other: _____	○	◉	○	◉

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	Contaminants in Vapor No
Indoor Air	○	◉
Sub-slab	○	◉
Exterior Soil Gas	○	◉

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.	Lindemann	James

Address	City	State	ZIP Code
W175 N11163 Stonewood Drive, Suite 110	Germantown	WI	53022

Phone # (inc. area code)	Email
(262) 250-1226	jclindemann@hyde-env.com

Select which agency: (●) Natural Resources ( ) Agriculture, Trade and Consumer Protection

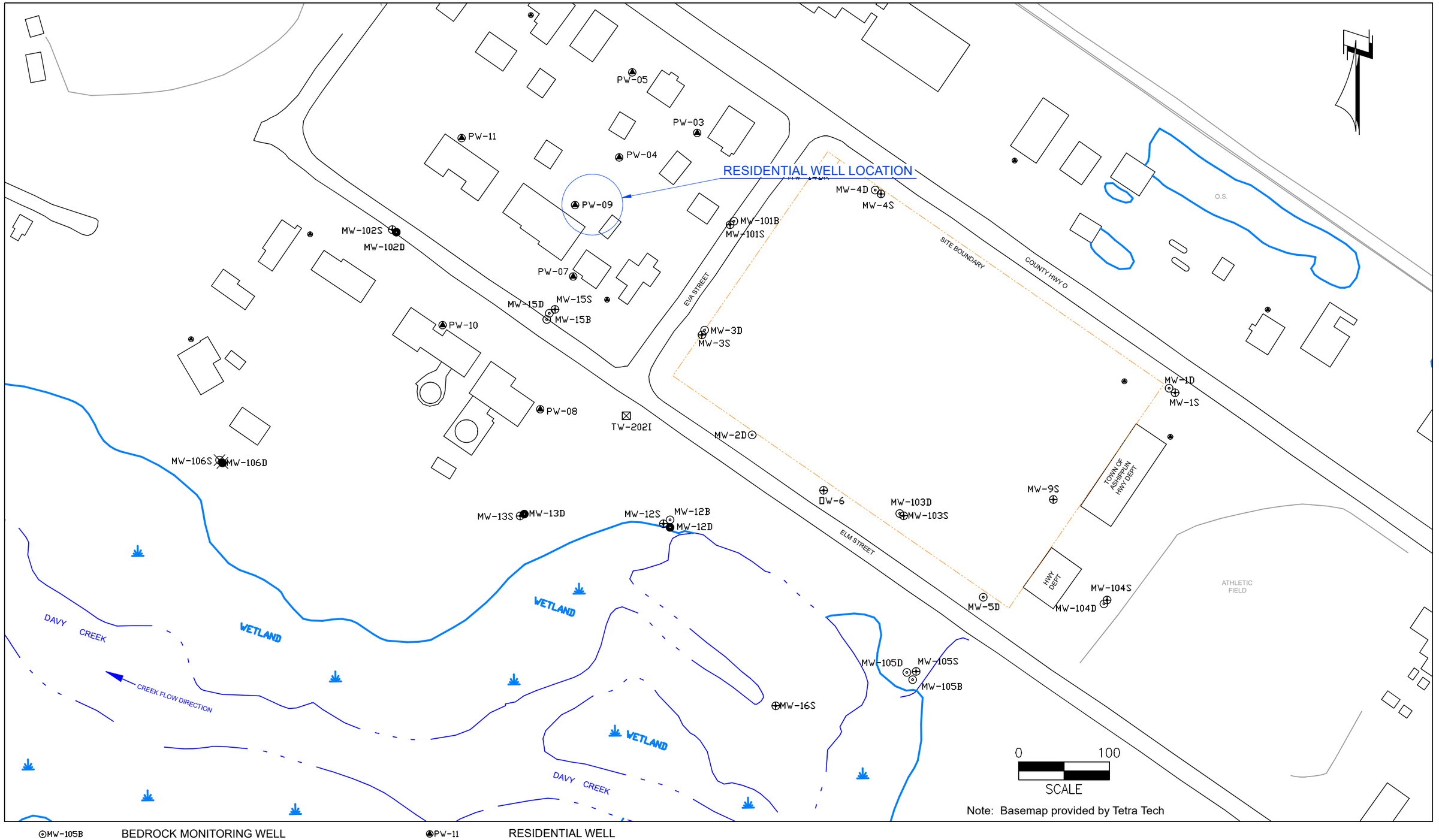
State of Wisconsin Department of Natural Resources

Contact Person Last Name	First Name	Phone # (inc. area code)
Saliares	Gwen	(920) 510-4343

Address	City	State	ZIP Code
625 E County Road Y, Suite 700	Oshkosh	WI	54901

Email

gwen.saliares@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 OECI SITE BOUNDARY		

HEI
HYDE ENVIRONMENTAL, INC.

Figure 1

SITE MAP

Oconomowoc Electroplating Company, Inc.
Ashippun, WI

GROUNDWATER ANALYTICAL RESULTS SUMMARY

W2606 Elm Street, Ashippun, WI

Sampled November 17, 2022

Parameters (ug/L)	*NR 140 Groundwater Quality Health Standards*		
	ES	*PAL*	PW-09
VOCs			
1,2-Dichloroethane	5	0.5	<0.017
Chloromethane	30	3	0.11
cis-1,2-Dichloroethene	70	7	*7.4*
trans-1,2-Dichloroethene	100	20	0.29
Diisopropyl ether	--	--	0.023
Methyl tert-butyl ether (MTBE)	60	12	0.60
Trichloroethene	5	0.5	0.086
Vinyl chloride	0.2	0.02	*0.046*
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)

CT LABORATORIES
delivering more than data from your environmental analyses

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ANALYTICAL REPORT

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

Project Name: OEC SUPERFUND WI
Project Phase: ASHIPPUN, WI
Project #:
Folder #: 173815
Purchase Order #:
Contract #: 3451

Arrival Temperature: 1.7
Report Date: 12/13/2022
Date Received: 11/18/2022
Reprint Date: 12/13/2022

CT LAB#: 1265484 Sample Description: PW-09 DNR License/Well #: 04189/056 Sampled: 11/17/2022 12:15

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		11/24/2022 02:39	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1	U		11/24/2022 02:39	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1	U		11/24/2022 02:39	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1	U		11/24/2022 02:39	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1	U		11/24/2022 02:39	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1	U		11/24/2022 02:39	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1	U		11/24/2022 02:39	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1	U		11/24/2022 02:39	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1	U		11/24/2022 02:39	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1	U		11/24/2022 02:39	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1	U		11/24/2022 02:39	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1	U		11/24/2022 02:39	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1	U		11/24/2022 02:39	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1	U		11/24/2022 02:39	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1	U		11/24/2022 02:39	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1	U		11/24/2022 02:39	RLD	EPA 8260C

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

CT LAB#: 1265484 Sample Description:PW-09 DNR License/Well #: 04189/056 Sampled: 11/17/2022 12:15

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		11/24/2022 02:39	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1	U		11/24/2022 02:39	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1	U		11/24/2022 02:39	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1	U		11/24/2022 02:39	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1	U		11/24/2022 02:39	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1	U		11/24/2022 02:39	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1	U		11/24/2022 02:39	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1	U		11/24/2022 02:39	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1	U		11/24/2022 02:39	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1	U		11/24/2022 02:39	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1	U		11/24/2022 02:39	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1	U		11/24/2022 02:39	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1	U		11/24/2022 02:39	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1	U		11/24/2022 02:39	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1	U		11/24/2022 02:39	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1	U		11/24/2022 02:39	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1	U Z		11/24/2022 02:39	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1	U		11/24/2022 02:39	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1	U		11/24/2022 02:39	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1	U		11/24/2022 02:39	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1	U		11/24/2022 02:39	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1	U		11/24/2022 02:39	RLD	EPA 8260C
Chloromethane	0.11	ug/L	0.045	0.20	1	J B		11/24/2022 02:39	RLD	EPA 8260C
cis-1,2-Dichloroethene	7.4	ug/L	0.023	0.10	1			11/24/2022 02:39	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1	U		11/24/2022 02:39	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1	U		11/24/2022 02:39	RLD	EPA 8260C

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

CT LAB#: 1265484 Sample Description:PW-09 DNR License/Well #: 04189/056 Sampled: 11/17/2022 12:15

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		11/24/2022 02:39	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1	U		11/24/2022 02:39	RLD	EPA 8260C
Diisopropyl ether	0.023	ug/L	0.02	0.1	1	J		11/24/2022 02:39	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1	U		11/24/2022 02:39	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1	U		11/24/2022 02:39	RLD	EPA 8260C
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1	U		11/24/2022 02:39	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1	U		11/24/2022 02:39	RLD	EPA 8260C
Methyl tert-butyl ether	0.60	ug/L	0.014	0.10	1	Q,Y		11/24/2022 02:39	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1	U		11/24/2022 02:39	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1	U		11/24/2022 02:39	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1	U		11/24/2022 02:39	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1	U		11/24/2022 02:39	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1	U		11/24/2022 02:39	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1	U		11/24/2022 02:39	RLD	EPA 8260C
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1	U		11/24/2022 02:39	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1	U		11/24/2022 02:39	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1	U		11/24/2022 02:39	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1	U		11/24/2022 02:39	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1	U		11/24/2022 02:39	RLD	EPA 8260C
Toluene	<0.020	ug/L	0.020	0.10	1	U		11/24/2022 02:39	RLD	EPA 8260C
trans-1,2-Dichloroethene	0.29	ug/L	0.020	0.10	1			11/24/2022 02:39	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1	U		11/24/2022 02:39	RLD	EPA 8260C
Trichloroethene	0.086	ug/L	0.022	0.10	1	J		11/24/2022 02:39	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1	U		11/24/2022 02:39	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1	U		11/24/2022 02:39	RLD	EPA 8260C
Vinyl chloride	0.046	ug/L	0.019	0.10	1	J		11/24/2022 02:39	RLD	EPA 8260C

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

CT LAB#: 1265484 Sample Description:PW-09 DNR License/Well #: 04189/056 Sampled: 11/17/2022 12:15

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	11/22/2022 11:00	11/28/2022 15:57	ALD	EPA 8270D-SIM

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

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" qualifer 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.

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

QC Qualifiers

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

Current CT Laboratories Certifications

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

Rev. 02/2017

CHAIN OF CUSTODY

Page _____ of _____

Company: Hyde Environmental
Project Contact: Jim Lindemann
Telephone: 262-250-1226
Project Name: OEC Superfund WI
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

Folder #: 173815
Company: HYDE ENVIRONMENTAL, INC
Project: OCONOMOWOC ELECTROPLA
Logged By: erc PM: BMS

Program:
SM RCRA SDWA NPDES
olid Waste Other superfund
O #

Report To:
EMAIL: jclindemann@hyde-enviro
Company: Hyde Environmental
Address: W175 N11163 Stonewood Dr 110, Germantown WI

Invoice To:*
EMAIL:
Company:
Address: Same

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

Client Special Instructions

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

Collection Date	Collection Time	Matrix	Grab/ Comp	Sample #	Sample ID Description	Filtered? Y/N	ANALYSES REQUESTED: VOCs low level (8260)	ANALYSES REQUESTED: 1,4 Dioxane (8270D-SIM)	Total # Containers	Designated MS/MSD	CT Lab ID # (Lab use only)
							Fill in Spaces with Bottles per Test				
11-17-22	1215	DW	Grab		PW-09	N	3	2			1265484
					Trip Blank		3				88

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

Relinquished By:	Date/Time	Received By:	Date/Time
Logan Cranley	11-17-22 1430		11/18 952
Received by:	Date/Time	Received for Laboratory by:	Date/Time
			11/18 1035

Lab Use Only
Ice Present Yes No
Temp 1.7 IR Gun 27
Cooler # 9384