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Re: Annual Interim Remedial Action Status Report for 2023  
National Presto Industries, Inc., Eau Claire, Wisconsin  
USEPA CERCLIS ID WID006196174  
WDNR BRRTS 02-09-000267 and FID 609038320

Dear Glenn and Erin:

At your request, Gannett Fleming, Inc. (GF) is submitting the referenced annual report for the National Presto Industries, Inc. (NPI) site in Eau Claire, Wisconsin. The report documents the effectiveness of the past and on-going active soil and groundwater remediation at the site. In addition, this report provides analytical results from two finished water samples collected at the Eau Claire Municipal Well Field (ECMWF) during 2023, conclusions based on the historical groundwater monitoring data, and a list of activities to be completed in 2024.

A completed certification page for this submittal is also attached. However, except for ongoing remedial activities, this report does not include detailed summaries of past remedial action conducted at this site or the ECMWF before this reporting period. Please refer to GF's June 13, 2019, status report for such information and/or GF's August 28, 2019, remedial action report (RAR) for a discussion of the site's institutional control implementation and assurance plan (ICIAP) and long-term stewardship (LTS) plan.

### **EXECUTIVE SUMMARY**

During 2023, NPI continued to monitor groundwater and three soil vapor extraction (SVE) systems: one associated with the Melby Road Disposal Site (MRDS) (former Plume 3/4), and two in the Southwest Corner (SWC) of the site (former Plume 1/2), in accordance with the agency-approved sampling plans. Dissolved-phase volatile organic compounds of concern at the site are limited to trichloroethylene (TCE), 1,1,1-trichloroethane (TCA), tetrachloroethylene (PCE), 1,1-dichloroethane (DCA), and 1,1-dichloroethylene (DCE). For this report, they will hereafter be referred to as NPI volatile organic compounds (NPI VOCs). Since 2015, there were no exceedances of the NR 140 Enforcement Standards (ESs)/Maximum Contaminant Levels (MCLs) for the NPI VOCs in any monitoring well or piezometer either on site or off site.

Extraction well EW-6, installed in 2011 to help capture groundwater migrating from a newly identified VOC source area that NPI and GF believe is located beneath the NPI main building, continued to remove VOC-impacted groundwater from that area of the site in 2023. Due to the improvement in overall groundwater quality though, EW-6 has been offline for a trial shutdown since February 23, 2023, as approved by both agencies.

SVE vent well VW-1, which was installed inside the NPI main building in late 2014 to remove vapor phase VOCs from the suspected source area beneath the building, became operational in January 2015. Since startup of this vent well, NPI VOC concentrations in groundwater samples collected from MW-76A, the water table monitoring well immediately downgradient from the newly identified source area beneath the building, have decreased.

Cadmium (Cd) concentrations in groundwater continue to be above its 5.0 µg/l ES/MCL in on-site monitoring well MW-10A, south of the main building. However, as with the NPI VOC concentrations in MW-76A, overall Cd concentrations continue to show a decreasing trend. In addition, supplemental sampling completed in 2015 confirmed that Cd concentrations above the ES/MCL in groundwater are confined to a relatively small area immediately adjacent to former Lagoon #1, which included MW-10A and its offsetting piezometer MW-10B in 2023.

In summary, VOC concentrations in virtually all the wells used to monitor the original plumes associated with the NPI site are stable or decreasing, and a significant number of wells no longer contain detectable concentrations of TCE. There were no exceedances of the ES/MCL for TCE of 5 µg/l or any other NPI VOC in any monitoring wells either on site or off site in 2016-2023.

#### **SITE DESCRIPTION, HYDROGEOLOGICAL SETTING, AND CONCEPTUAL SITE MODEL**

The site is relatively flat and abuts a sandstone ridge to the south. Areas to the north, east, and west are also relatively level, generally sloping gradually toward the Chippewa River, which is located approximately 2 miles north and west of the site. Lake Hallie, an impounded remnant of a former channel of the Chippewa River, lies approximately 1 mile north of the site.

Extending northward from the northwestern portion of the site to Lake Hallie and westerly from the site to the Chippewa River are buried pre-glacial valleys within which alluvial sand and gravel deposits serve as a primary drinking water aquifer in the Eau Claire area. Approximately 2 miles west of the NPI site, for example, the ECMWF draws groundwater from more of these buried deposits and provides drinking water for the City of Eau Claire. The direction of groundwater flow is controlled by the sandstone and granite bedrock valleys beneath the sand and gravel, which carry groundwater to the northwest towards Lake Hallie and to the west towards the Chippewa River and the ECMWF. The depth to bedrock is at or near the surface at the sandstone ridge in the extreme south-central portion of the NPI site and dips to the north and west. The top of bedrock is at least 100 feet below the ground surface (ft bgs) at the north and west property boundaries. The average depth to water under NPI's main building and the MRDS is about 70 ft bgs.

Past waste-handling practices related to the manufacturing activities on the NPI site have included the use of dry wells and seepage lagoons. Manufacturing wastes were also discharged to a former sand and gravel pit. The major waste stream was waste forge compound. NPI discharged wastewater containing significant amounts of waste forge compound to Lagoon #1, a remnant of the former sand and gravel pit. From 1966 to 1969, waste forge compound was also landfilled at the MRDS.

The conceptual site model is that VOCs observed in the source areas on the NPI property migrated vertically through the unconsolidated soils to the groundwater and then traveled within the aquifer following the buried valleys. These valleys, which trend westerly toward the Chippewa River and ECMWF (former Plume 1/2) and northwesterly toward Lake Hallie (former Plumes 3/4 and 5), control the direction of groundwater flow in the unconsolidated deposits in the area. Figure 1 is a 24-inch x 36-inch area-wide map showing the approximate former locations of Plume 1/2, Plume 3/4, and Plume 5, as defined by select NPI VOCs in 1993. The outlines of the former plumes define a groundwater flow divide that bisects the NPI site along a northwesterly line. The average groundwater flow velocity in the alluvial deposits in the area is

approximately 12.5 feet/day, with an average gradient of about 0.015 in former Plume 1/2 that stretches from the NPI site to the ECMWF. Figure 2 provides an 11-inch x 17-inch on-site groundwater flow map for convenience.

Table 1 is a summary of the construction information for all monitoring and extraction wells associated with the NPI site. This summary table also identifies with which former plume each well is/was associated and provides the grid coordinates for each well shown on Figure 1.

### **GENERAL STATUS OF THE REMEDIAL PROGRAM**

Most of the selected interim and final remedies for the site were implemented in the mid- to late-1990s. These included:

- The excavation and off-site disposal of >5,000 BTU/lb waste forge compound from Lagoon #1 and impacted soil from several other waste management areas of concern, including Dry Wells #2 and #5, the swale between former Lagoons #3 and #4, the southwest corner of former Lagoon #2, and the Loading Dock Area (LDA). TCA was the primary VOC associated with the waste forge compound removed from Lagoon #1.
- The installation of four groundwater extraction wells and two associated cascade aerators for groundwater capture, control, and treatment. These interim systems were designed for continuous operation when needed and to be shut down once the off-site migration of impacted groundwater is no longer of concern.
- The construction of an engineered landfill with a multi-layer cap and SVE system at the MRDS for the long-term management of residual waste forge compound and impacted soil. Excavated material placed at the MRDS prior to installation of the cap included waste forge compound mixed with soil from Lagoon #1 with <5,000 BTU/lb, soil contaminated with waste forge compound from Drainage Ditch #3, and impacted material from the East Extension of Lagoon #1 and East Disposal Site (EDS). The final remedy for the MRDS is the multi-layer cap and SVE system. Over time, it has become apparent that the MRDS SVE no longer needs to operate continuously since the cap has essentially eliminated the vertical migration of contaminants due to the infiltration of precipitation and proven to provide reliable protection of groundwater quality.

However, two supplemental, relatively small TCE source areas have been identified in what is known as the SWC: the MW-34/70 area (i.e., buried degreaser sludge) and an area beneath the main building. SVE systems have been installed and are currently operating at both areas to remove VOCs in the soil and provide a barrier to downward migration of these chemicals to groundwater.

All active remediation systems on site are effective in protecting human health and the environment. Three of the four groundwater extraction wells (EW-1R, EW-2, and EW-5) and one of the cascade aerators (CAS-1) are no longer in use because of the effectiveness of the remedial actions that have been implemented. Since February 23, 2023, EW-6 has been offline for its third trial shutdown, as approved by both agencies. GF's January 2023 *Work Plan for a 12-Month Trial Shutdown of Extraction Well EW-6* provides details.

Current and planned future activities at the site include:

- Maintenance and annual inspection of the cap at the MRDS and direct-contact cover system at the LDA. The maintenance activity is ongoing, and annual inspections are conducted to document conditions

and monitor progress. No further reference to cap maintenance is provided in this remedial action report. However, copies of the annual inspection reports are available upon request.

- Operation and maintenance (O&M) of the three SVE systems and extraction well EW-6.
- Sampling of the exhaust gas from the MRDS, MW-34/70 area, and main building SVE systems and select on- and off-site groundwater monitoring wells/piezometers, EW-6, cascade aerator CAS-2R, manhole MH-18, city water supply wells, and unit operations at the ECMWF.

### **SVE SYSTEM O&M AND SAMPLING**

The NPI site currently has three separate SVE systems in operation, as shown on Figure 3. The purpose of these systems is to remove VOCs from the subsurface and provide either a seasonal or year-round vapor barrier to protect/improve groundwater quality.

The largest SVE system operates seasonally, as approved by both agencies, and is at the MRDS where 12 vent wells are installed beneath the capped landfill, which primarily contains waste forge compound from historic disposal operations there and the on-site remedial excavations described in the previous section. In 2023, the MRDS SVE system was offline until March 15<sup>th</sup>. However, it operated with one blower running in "low flow" mode for 151.1 hours from March 15<sup>th</sup> through 21<sup>st</sup> for quarterly field screening of the vent wells and exhaust gas sampling. The operator used a variable frequency drive (VFD) to control the flow of the vacuum blower(s).

On June 12, 2023, the VFD was adjusted and normal seasonal operation of the SVE system resumed. On November 30<sup>th</sup>, the system was turned off for another 6-month seasonal shutdown period, as approved by both agencies. See GF's August 31, 2020, *Updated Operation and Maintenance Plan for the MRDS Cap and SVE System* and monthly progress reports for additional details.

In the SWC, the MW-34/70 area SVE system is used to address residual TCE present in degreaser sludge that was buried there in the mid-1900s. This system currently includes six vent wells and operates only during warm weather when the ground is not frozen and the average ambient air temperature is above freezing (i.e., the MW-34/70 area SVE system operates seasonally). When temperatures are below freezing, it is more difficult to keep the system running because the condensate that collects in the knock-out tanks freezes. Furthermore, when frost is in the ground, there is virtually no vertical migration from precipitation. Consequently, running the system when the ground is frozen provides little, if any, benefit. Analytical results to date confirm that this remedial approach is effective in protecting groundwater quality at the MW-34/70 area as well.

The main building SVE system is being used to address VOC impacts from a likely source area beneath the main building at NPI. The exact location and size of this source area is not known. The main building SVE system includes just one vent well (VW-1) screened from 15 to 45 feet below the top of the concrete floor, located near the center of Building 103. The intent of this system is to maintain a vapor barrier that helps improve and protect local groundwater quality. Figure 4 shows the locations of VW-1, its blower and condensate knock-out tank, extraction well EW-6, and downgradient monitoring well nests MW-76 and MW-77. As shown on Figure 4, the vacuum blower, its knock-out tank, and the well-head connection to VW-1 are all located indoors. As a result, it is relatively easy for this SVE system to operate continuously, 365 days a year.

The exhaust gas from each of the three SVE systems is discharged directly into the atmosphere through a stack less than 25 feet high. Exhaust gas samples are collected quarterly from the MRDS and main building



SVE systems. The samples are analyzed for TCE, 1,1,1-TCA, PCE, and 1,1-DCA. The MW-34/70 area SVE system is sampled annually and only for TCE. The exhaust gas samples are collected in Summa canisters supplied by the laboratory and analyzed using Method TO-15. Analytical results are used for performance and compliance monitoring and available upon request.

Table 2A summarizes compound-specific emission thresholds, as defined in Table A of NR 445.07, when stack heights are less than 25 feet. Table 2B summarizes estimated emissions for 2020-2023 from:

- Each of the three SVE systems, when operating.
- All three of the systems combined.

Based on the relatively low estimated maximum emission rate and cumulative emission mass of 0.0025 lb/hr and 13.9 lb, respectively, for total VOCs from all three of the SVE systems combined in 2023, the compound-specific emissions of TCE and all other compounds were below their respective limits, as summarized in Tables 2A/B. GF's March 2021 *Annual Interim Remedial Action Status Report for 2020*, April 2022 *Annual Interim Remedial Action Status Report – 2021*, and May 2023 *Annual Interim Remedial Action Status Report for 2022* provide additional detail.

### **GENERAL GROUNDWATER MONITORING INFORMATION**

Groundwater samples were collected for NPI VOC analysis at least once from a total of 49 monitoring wells/piezometers and on-site extraction well EW-6 during the four routine quarterly sampling rounds completed in 2023. In addition to collecting samples from the above wells/piezometers and manhole MH-18, semi-annual samples of the combined pumpage from the production wells in the City's well field were also collected, following routine water treatment and chlorination by the City of Eau Claire.

Samples were also collected from seven monitoring wells/piezometers and manhole MH-18 in the SWC for analysis of dissolved Cd.

Figure 1 shows the locations of all the groundwater monitoring points that have been sampled during this project. Wells that have been abandoned are shaded.

Ms. Mary Gannon, MCW Scientific Solutions, Erie, Colorado, validated the data from each of the four quarterly sampling rounds in 2023. Mary validated the data following USEPA guidance documents *National Functional Guidelines for Superfund Organic Methods Data Review*, dated November 2020, and the *National Functional Guidelines for Inorganic Superfund Methods Data Review*, dated November 2020. The reviews were based on Level II data packages supplied by the analytical laboratory (i.e., Pace Analytical Services, LLC [Pace]). All the VOC and cadmium data reported for 2023 were determined to be usable for assessing groundwater quality.

Water levels were measured in all sampled wells and piezometers quarterly. Water levels were measured in virtually all monitoring wells and piezometers, regardless of whether they were sampled, during the second quarter sampling round to provide a more complete set of groundwater elevations to allow preparation of a comprehensive groundwater flow map for the project.

Table 3 lists the water level measurements for all four 2023 sampling rounds. Figure 1 includes an area-wide groundwater flow map. Figures 2 and 4 are 11-inch x 17-inch groundwater flow maps for the site and SWC, respectively. To provide the most complete groundwater flow maps, all three figures are based on

the water level measurements made during the June 2023 sampling round when virtually all project wells were measured. Site datum is mean sea level (MSL).

Note that water levels have been relatively high since 2016. For example, consider MW-10A located in the SWC between the south end of the main building and former Lagoon #1. Groundwater elevations in the well ranged from 827.16 to 827.86 ft MSL from December 2014 through September 2015, respectively. By August 2017, the measured water level elevation in MW-10A had increased more than 3 feet to 831.16 ft MSL. In 2018, measured elevations in MW-10A ranged from 829.24 to 829.85 ft MSL, lower than in August 2017, but elevated relative to 2013-2015. By December 2019, the measured water level elevation in MW-10A was at its historical maximum of 831.47 ft MSL. In 2023, measured elevations in MW-10A ranged from 827.90 to 829.32 ft MSL, lower than in December 2019, but still somewhat elevated relative to 2013-2015. GF's November 16, 2016, *EW-5 Status Report and Work Plan for a 12-Month Trial Shutdown of EW-6* provides additional detail on the general increase in water levels in the SWC since April 2013.

## **GROUNDWATER SAMPLING METHODS**

Since March 2012, passive diffusion bags (PDBs) have been used almost exclusively to collect groundwater samples for VOC analysis. In March 2012, NPI also received approval from the USEPA to use HydraSleeve® bags for sampling at the NPI site. These bags are used primarily to collect groundwater samples for Cd analysis but can also be used to collect samples for VOC analysis. Other sampling methods have also been approved for use at this site, but these two are the primary methods currently in use, as described in the *Groundwater Monitoring Plan* for the site (last revised January 2012). In addition, an updated quality assurance plan (QAPP) was submitted on October 30, 2017, for review at the USEPA's request. Once approved by the agencies, the updated QAPP will supersede all prior QAPPs prepared for the site. The updated QAPP basically formalizes the January 2012 monitoring plan, with several minor changes in protocol to reduce the project's environmental footprint, optimize workflow, and continue to protect human health and the environment.

## **Groundwater Extraction Well Operation and Sampling**

### **MRDS Extraction Wells**

Extraction wells EW-1R and EW-2 at the MRDS remained shut down in 2023. Likewise, neither of these wells operated in 2015-2022, apart from about 15 minutes in March and June 2015 to purge the wells prior to the collection of groundwater samples from them. In September 2015, the field team was unable to collect a sample from EW-1R, so NPI pulled the pump. The collar between the motor and pump was damaged due to corrosion. Consequently, as approved by both agencies, NPI left the pump out of EW-1R and pulled the pump from EW-2 (to avoid the type of corrosion evident at EW-1R), stockpiled the standpipe and one operable pump in the MRDS equipment building, and hung PDBs in EW-1R and EW-2 for quarterly sampling, instead. A new replacement pump for EW-1R and two local drillers are readily available to get both extraction wells back online promptly (i.e., in one week or less) if VOC rebound occurs.

### **Southwest Corner Extraction Wells**

Extraction well EW-5 in the SWC remained shut down in 2023, as approved by both agencies. Like EW-1R and EW-2 at the MRDS, the pump was pulled and PDBs were hung in EW-5 for quarterly sampling instead, starting in 2015. At the WDNR's request, multi-level PDBs were installed at 10-foot intervals in EW-1R, EW-2, and EW-5 to assess NPI VOC concentrations over the full saturated screen length. GF's November 16, 2016, *EW-5 Status Report and Work Plan for a 12-Month Trial Shutdown of EW-6* provides additional detail regarding EW-5.

In 2018 though, also as approved by both agencies, NPI stopped sampling EW-1R, EW-2, and EW-5, given that their screened intervals are relatively long and other nearby wells/piezometers in the monitoring network with standard-size screened intervals provide adequate coverage. GF's February 2018 *Annual Interim Remedial Action Status Report – 2017* provides additional detail regarding this change.

Extraction well EW-6 operated continuously in 2023 until 11:00am CST on February 23<sup>rd</sup>, when the electric submersible pump in the high-capacity well was turned off to start its third trial shutdown, as approved by both agencies.

## **SOUTHWEST CORNER AND OFF-PROPERTY GROUNDWATER QUALITY (FORMER PLUME 1/2)**

### **Volatile Organic Compounds**

#### **On-Site and Off-Site Monitoring/Extraction Wells and Piezometers**

Table 4 summarizes the analytical results for the samples collected from EW-5 and EW-6, the one SWC extraction well that operated in 2023. Note that:

- All tables attached to this report containing analytical results, emission estimates, groundwater pumping volumes, etc. only include data from the last four years, except as noted below, to minimize the size of the report. As stated in Appendix A, Excel workbooks summarizing all historical analytical data, etc. for all key wells associated with the site are available upon request.
- Starting in 2009, groundwater analytical tables identify the method used for collecting each sample for reference.
- NPI stopped sampling EW-5 but continued sampling EW-6 quarterly in 2018, as approved by both agencies.

Table 5 contains the last four years of historical NPI VOC analytical results for samples collected from the on-site monitoring wells in the SWC area of the site, as well as off-site, downgradient monitoring wells in former Plume 1/2. Note that:

- Table 5 also includes all historical NPI VOC analytical data for all monitoring wells/piezometers between Locust Lane (immediately west of NPI) and Airport Road (immediately west of Chippewa Valley Regional Airport ([CVRA])), given that NPI is proposing to reduce the routine sampling of these wells/piezometers from annual to biennial, as discussed in a separate section below.
- Appendices B and C mention that all the laboratory reports and chain of custody records from the routine quarterly sampling performed in 2023 and a copy of the text of the 2023 quarterly data validation reports, respectively, are available upon request.

The TCE concentration in groundwater samples collected from all monitoring wells/piezometers in former Plume 1/2 were below the ES/MCL of 5.0 µg/ℓ in all four sampling rounds in 2023. This continues the downward trend in Plume 1/2 TCE concentrations and reflects positively on the remedial efforts that have and continue to take place on site. Appendix D contains TCE concentration versus time graphs for all historically impacted Plume 1/2 wells (i.e., TCE ≥ 5 µg/ℓ) and other select wells of interest or concern. These graphs include best-fit exponential trend lines generated using Excel, and they depict the overall decreasing to stable TCE concentrations in the Plume 1/2 wells.

### City of Eau Claire Monitoring Wells

One of the five remaining City of Eau Claire monitoring wells (EC-1, EC-2, and EC-5 through EC-7) was sampled in 2023, as agreed. Monitoring well EC-1 was sampled once. EC-7 was approved for abandonment years ago but was retained at the request of the City of Eau Claire for its internal use. However, EC-7 and EC-2, EC-5, and EC-6 are no longer being routinely sampled by NPI because:

- EC-5 and EC-7 are outside the former 1993 TCE plume boundary.
- EC-6 was non-detect for TCE between May 2001 and August 2022.
- EC-2 is within 150 feet of EC-1 and measured TCE concentrations were higher in EC-1 than EC-2 from July 2009 through June 2019 when TCE concentrations in EC-2 were all non-detect.

Table 5 includes the 2020-2023 analytical data for these wells. See Table 1 for screened interval information.

### City of Eau Claire Production Wells

Historically, the City of Eau Claire collected and analyzed monthly water samples for VOCs from five of its production wells (CW-11, CW-15 to CW-17, and CW-19) in the north well field. In the fall of 2013, their laboratory instrument broke, and the City of Eau Claire contracted the analyses to the Eau Claire County Health Department (County) beginning in December 2013. In May 2014, the City of Eau Claire notified GF that they would no longer collect and analyze monthly samples from the above city wells and that the April 2014 samples would be the last ones collected and analyzed by the City of Eau Claire.

- On April 25, 2017, the City of Eau Claire brought CW-22 and CW-23 online. Production well water routed through the air stripper at the ECMWF included city wells 11, 15, 16, 17, and 19 prior to April 25<sup>th</sup> and city wells 17, 19, 22, and 23 starting on April 25<sup>th</sup>.
- On December 5, 2020, the City of Eau Claire brought CW-24 online to replace CW-10, a municipal water supply well that the City of Eau Claire abandoned in November 2019.
- During the fourth quarter of 2021 and all of 2022 and 2023, the City of Eau Claire was in the process of addressing per- and polyfluoroalkyl substances (PFAS) impacts at the ECMWF. Consequently, sampling at the ECMWF for NPI VOC analysis was limited to the commingled treated water after sand filtration and chlorination (i.e., finished water entering the city distribution system) as requested by the City of Eau Claire.

For an update on the most recent PFAS investigation results and activities at the CVRA, visit the Bureau of Remediation and Redevelopment Tracking System on the web (BOTW) at the following link.

<https://dnr.wi.gov/botw>

The BRRTS No. for the CVRA PFAS site is 02-09-588115.

As approved by both agencies, NPI:

- Stopped sampling CW-11, CW-16, and CW-17 in 2018 because they are downgradient of the TCE capture zone created by CW-15, CW-19, CW-22, and CW-23.

- Continued to sample CW-15, CW-19, CW-22, and CW-23 and had the sample sets analyzed using drinking water Method 524 by Pace's Minneapolis, Minnesota, lab. In 2019, the monitoring frequency was reduced from quarterly to semi-annual sampling.
- Stopped routine semi-annual sampling of CW-15 in 2021.

ECMWF staff continue to accompany GF field staff during the collection of samples from the production wells, air stripper, and water plant.

Table 6 contains analytical results of the finished water samples that GF collected in 2023. As shown in Table 6, both finished water samples collected in 2023 had TCE concentrations below the laboratory's detection limit, which was 0.26 µg/ℓ.

CW-19 and CW-22 are the two northern-most city production wells within the limits of former Plume 1/2, as shown on Figure 1. Based on historical data, NPI and GF believe that CW-19 and CW-22, when pumping, intercept >80 percent of the TCE in former Plume 1/2 that reaches the city well field. For example, the samples collected from CW-19 (0.68 µg/ℓ) and CW-22 (1.7 µg/ℓ) in 2021 and analyzed by Pace contained detectable concentrations of TCE, but all TCE concentrations were well below the 5.0 µg/ℓ ES/MCL, as summarized in Table 6.

During 2022, several hits of PCE were detected in samples collected at the ECMWF. However:

- Analytical results of subsequent resampling of finished water at the plant and several key water supply wells in July 2022 by ECMWF staff were all non-detect for PCE. This suggests that the PCE spike in the June 14<sup>th</sup> NPI VOC sample was an anomalous temporary increase perhaps related to the current non-standard 1) pumping scheme and/or 2) discharge of water to two absorption ponds at the ECMWF, as allowed by the WDNR, for PFAS management.
- TCE, not PCE, is the primary contaminant of concern at NPI. GF's May 2023 *Annual Interim Remedial Action Status Report for 2022* provides supplemental details.

### **Eau Claire Municipal Well Field and Revised Groundwater Clean-Up Goal**

In December 2009, the USEPA issued an Explanation of Significant Differences (ESD) that revised the groundwater clean-up goal for the ECMWF and NPI sites from the PALs to the ESs/MCLs. This change in the groundwater clean-up goal, to be consistent with NR 140 and the MCL, led to a meeting with the City of Eau Claire and ultimately to a short-term sampling program at several of the city wells, the two air stripper towers, and within the water treatment plant. The sampling was conducted on four days in late November and early December 2011. The data from the sampling program documented that, while TCE was detectable in three of the four samples of the finished water entering the city distribution system, the concentrations were an order of magnitude below the 5.0 µg/ℓ ES/MCL.

Based on historical monitoring data and that from the 2011 city well system sampling program, the USEPA issued an August 1, 2012, letter to the City of Eau Claire confirming that operation of the air strippers to remove VOCs prior to distribution to its customers would no longer be required. The City of Eau Claire has subsequently chosen to continue operation of the strippers at its own cost. If the City of Eau Claire ever decides to turn the strippers off, the USEPA letter requires that they be kept in operating condition until the USEPA either deletes the NPI site from the National Priorities List (NPL) or until USEPA's review of future NPI site groundwater monitoring data allows it to determine that the strippers can be permanently

dismantled prior to the deletion of the NPI site from the NPL. On April 5, 2013, the USEPA issued a Final Closeout Report (FCOR) for the ECMWF site, and the site was deleted from the NPL on May 27, 2014.

### **Cadmium Monitoring**

Table 7 summarizes Cd groundwater concentrations in wells routinely sampled in the SWC of the site, including MW-10A and MW-10B, the well and piezometer with Cd remaining above its ES/MCL of 5.0 µg/ℓ in 2023. Dissolved Cd in groundwater was shown to be associated with waste forge compound in Lagoon #1 soils. However, the USEPA has approved monitored natural attenuation as a remedy for Cd in groundwater at the site (see Section 2.3 of GF's August 2019 RAR). WDNR issued an email on January 18, 2019, stating that if the USEPA were to determine that no further remedial action is necessary in the Lagoon #1 and its East Extension, then the WDNR would concur. Appendix A notes that Excel workbooks summarizing all historical Cd analytical data are available upon request.

### **MELBY ROAD DISPOSAL SITE (FORMER PLUME 3/4)**

The groundwater contours at and near the MRDS are shown on Figures 1 and 2 and represent groundwater elevations measured in the monitoring wells in June 2023. Extraction wells EW-1R and EW-2 and CAS-1, previously serving the MRDS, are no longer in use because of the effectiveness of its multilayer cap and SVE system, as noted above.

Table 8 contains the last four years of analytical results for the groundwater monitoring wells/piezometers at the MRDS and downgradient monitoring wells/piezometers in former Plume 3/4. Concentrations of all VOCs in most of the wells/piezometers in the MRDS area have been below the laboratory limit of detection for many years. A total of five of the nine existing wells/piezometers in the MRDS area and downgradient in former Plume 3/4 were sampled once in 2023. VOC concentrations in four of the five wells were below the laboratory limit of detection. There were no exceedances of the TCE ES of 5.0 µg/ℓ in the 2023 groundwater samples collected from any of the former Plume 3/4 wells/piezometers, and none of the analytical results represented an increasing trend in TCE concentration. MW-65C was the only remaining piezometer in former Plume 3/4 with a detectable concentration of TCE in 2023, with a TCE concentration of 0.46J µg/ℓ. MW-65C is located off site and approximately 250 feet north-northwest of the MRDS.

Table 9 contains the 2015-2017 analytical results for the groundwater samples collected from the two MRDS extraction wells (EW-1R and EW-2). They were sampled four times in 2017 but have not been sampled since then, as agreed by both the USEPA and WDNR. None of the samples collected from these two wells in 2017 contained detectable concentrations of any VOCs and have not since August 2001.

Appendix E contains TCE concentration versus time graphs for all monitoring wells/piezometers in the MRDS area with detectable TCE in 2023 and other select wells of interest or concern, both on and off site. These graphs provide a visual representation of TCE concentrations over time and provide further evidence that TCE concentrations in groundwater at and downgradient from the MRDS area are well below the ES/MCL and that the trend in the one remaining well/piezometer (MW-65C) that does have detectable TCE concentrations is stable or decreasing.

### **EAST DISPOSAL SITE (FORMER PLUME 5)**

Groundwater samples collected from monitoring wells associated with the EDS had not contained detectable concentrations of TCE for years. Following approval by the USEPA, all the EDS monitoring wells, apart from two, were abandoned in 2011. Two "Plume 5" wells (MW-7 and MW-8) formerly associated with the EDS but located immediately up- or side-gradient of the MRDS, were retained for future water level



measurements and “re-classified” as Plume 3/4 monitoring wells. Subsequently, MW-7 and MW-8 were properly abandoned in August 2023 and May 2018, respectively, as approved by both agencies.

### **EXTRACTION WELL PUMPING VOLUMES AND CASCADE AERATOR REMOVAL EFFICIENCIES**

Extraction wells EW-1R and EW-2 at the MRDS and EW-5 and EW-6 in the SWC are components of the interim remedial action for groundwater, as described in the September 30, 1991, Record of Decision (ROD). The extraction wells and/or their predecessors have been used since 1994 to remove contaminated groundwater and provide hydraulic gradient control in these two areas of the site. Groundwater pumped from the extraction wells is directed to cascade aeration systems CAS-1 and CAS-2R, respectively. The goal of the cascade aerators is to remove, by volatilization, a minimum of 25 percent of the VOCs from the pumped groundwater before it is discharged to a storm sewer that in turn discharges to the Chippewa River via a subsurface diffuser.

As discussed above, EW-1R, EW-2, and EW-5 are now considered “non-active”. Extraction well EW-6 has been offline for a trial shutdown since February 23, 2023.

Grab samples of the groundwater pumped from EW-6 were collected four times in 2023 prior to the groundwater’s discharge to CAS-2R. Two samples were also collected of the treated effluent from CAS-2R in 2023. These samples are collected from manhole MH-18, which is within 60 feet of CAS-2R and receives its discharge. Samples were not collected from:

- MH-18 in the first or second quarter of 2023 because the pump in EW-6 ran only 5-10 minutes for sampling in March and June 2023. EW-6 (housed in an 8-ft deep well vault that’s classified as a confined space) and MH-18 are greater than 200 yds apart, so it’s not possible for a field team with limited staff to safely sample EW-6 and MH-18 in 15-20 minutes or less.
- CAS-1 in 2023 because EW-1R and EW-2 were “non-active” as summarized above.

Table 10 provides the annual volumes of groundwater pumped by NPI for 2020-2023. In 2023, the total volume of treated groundwater, pumped from EW-6 through CAS-2R and discharged to the storm sewer, was approximately 13.4 million gallons. The volume removed from all the extraction wells since March 1994 now totals over 4.82 billion gallons.

Tables 11 and 12 list the concentrations of TCA and TCE, respectively, in the groundwater pumped from the extraction wells for 2020-2023. The tables also include TCA and TCE effluent concentrations for each of the cascade aerators, the aerators’ calculated removal efficiencies, and the effluent concentration of the combined effluent discharged from the cascade aerators for the period shown. Because extraction wells EW-1R and EW-2 were not operating in 2023, there is no need to calculate the removal efficiency for CAS-1. Table 11 shows that the TCA removal efficiency of CAS-2R in 2023 ranged from 32 to 33 percent. Table 12 shows that the TCE removal efficiency of CAS-2R in 2023 ranged from 22 to 27 percent. The lower end of this range (i.e., 22 percent) is below the removal efficiency goal of 25 percent. One likely reason for the lower-than-goal removal efficiency in August 2023 is that the influent and effluent samples were collected for TCE at different times (i.e., approximately 25 minutes apart). Overall results document that the performance of CAS-2R in 2023 exceeded the TCA/TCE removal efficiency goal of 25 percent.

The discharge from both cascade aerators flows to manhole MH-18 in the southwest corner of the NPI property, from there to the City of Eau Claire storm sewer system, and ultimately discharges to the Chippewa River through a subsurface diffuser. The discharge from the cascade aerators is regulated by the WDNR at MH-18. Discharge monitoring report (DMR) forms for MH-18, etc. are submitted to the WDNR manager of

the Superfund program rather than the manager of the wastewater program, in accordance with a March 12, 2008, WDNR directive.

In April 2018, the WDNR revised NPI's DMR requirements to include:

1. One annual DMR per year for pH, temperature, and total recoverable cadmium.
2. Four quarterly DMRs per year for discharge flow and the NPI VOCs.
3. The priority pollutants (PP) in 2018 and every 5 years thereafter until discharges of the pump-and-treat groundwater to the Chippewa River cease. On September 19, 2018, GF submitted the PP results for 2018 to the WDNR and USEPA on NPI's behalf. On December 13, 2023, the WDNR agreed that NPI did not need to sample MH-18 for PP in 2023 due to the ongoing trial shutdown of EW-6. Likewise, the WDNR is waiting to see if renewal of NPI's discharge permit is necessary based on the outcome of the EW-6 trial shutdown per prior conversations with the agencies.

Meanwhile, routine DMRs are submitted to the WDNR and USEPA on a quarterly basis, and an annual summary report is also submitted to the WDNR and USEPA.

Table 13 summarizes the analytical results of all the MH-18 samples collected during the last four years. There have never been any exceedances of the limitations established by the WDNR. However, while the removal of pumpable waste forge compound from Lagoon #1 was in progress, the estimated discharge of Cd spiked up from its normal rate of <0.10 lb/day to 0.36 lb/day in June 1994 and was temporarily above the 0.21 lb/day weekly average Cd discharge requirement. Supplemental sampling documented that the one-time spike was anomalous.

Following the completion of Lagoon #1 and LDA remedial activities in July 1998 and December 2001, respectively, estimated Cd discharge rates also decreased approximately three orders of magnitude from 0.36 lb/day and have been at relatively low to "non-detect" levels since December 2010. GF's *June 2015 Compilation and Analysis of Cd Soil and Groundwater Data* report provides additional details (e.g., Attachment A to the June 2015 report describes the supplemental sampling that was conducted following the June 1994 spike in Cd concentrations). The total Cd concentration in the sample collected from MH-18 in 2023 was <1.3 µg/l, as shown in Table 13.

### **GROUNDWATER SAMPLING AND MONITORING WELL ABANDONMENT SCHEDULE FOR 2023**

Table 14 presents the proposed 2023 groundwater sampling and monitoring well abandonment (i.e., fill and seal MW-1, MW-7, and PW-2) schedule for the site. Based on the long-term improvement in overall groundwater quality, proposed changes in the former Plume 1/2 sampling schedule for 2023 include:

- Reduce the sampling frequency for NPI VOC analysis from annual to biennial for all monitoring wells/piezometers between Locust Lane, immediately west of NPI, and Airport Road, immediately west of CVRA. Biennial samples are routinely collected in odd years (e.g., 2023 and 2025). Consequently, the first real impact of the proposed change would occur in the second quarter of 2024, when annual samples would not be collected from MW-35A/B, MW-38A/B/C, MW-41A/B, MW-43A/B, MW-51B, MW-52A/B, MW-53B, MW-54B/C, MW-55B, RW-15, RW-16, RW-16B/C, and WW-15.

Table 14 includes notes on historical TCE concentrations in MW-35A/B, MW-38A/B/C, MW-41A/B, MW-43A/B, MW-51B, MW-52A/B, MW-53B, MW-54B/C, MW-55B, RW-15, RW-16, RW-16B/C, and WW-15 for

reference. During the July 20, 2023, annual meeting at NPI, the agencies agreed that they would consider reduced monitoring.

## **FINDINGS AND CONCLUSIONS**

As described in our September 24, 2015, *Remedial Alternatives Analysis for the MW-34/70 Area TCE Degreaser Sludge* report, operation of the MW-34/70 area SVE system has removed a substantial mass of TCE. The residual TCE in this area has been shown to be bound relatively tightly to the buried sludge. However, NPI will continue to operate both mid-depth SVE wells and will rotate the four shallow SVE wells (two at a time) seasonally.

Based on the long-term success of the MW-34/70 area SVE system, continued seasonal operation of the MRDS SVE system is also being conducted to eliminate condensate production and reduce the project's environmental footprint. Continued full-time operation of the system for the protection of groundwater quality appears unnecessary. See GF's August 2020 *Updated Operation and Maintenance Plan for the MRDS Cap and SVE System* report for additional details.

Although the location of the TCE/TCA source area beneath the building has not been completely defined, installation and operation of groundwater extraction well EW-6 reduced TCE/TCA concentrations in groundwater in- and downgradient from this area of the site. The data from monitoring wells and past Geoprobe investigations document that TCE and TCA concentrations in the groundwater at the property boundary remain far below the applicable ESs/MCLs. The installation of SVE vent well VW-1 (began 24/7 operation in January 2015) inside the main building to remove VOCs from the vadose zone beneath the building and improve groundwater quality in that area of the site has been successful. TCE concentrations in monitoring well MW-76A, directly downgradient:

- Decreased an order of magnitude in 2015.
- Were below the PAL of 0.5 µg/l in 2016 (Table 5 includes this data for reference).
- Increased from <0.33 to 4.6 µg/l in March 2017, after EW-6 first stopped pumping groundwater in January. However, with EW-6 back online, TCE concentrations in MW-76A decreased from 4.6 to <0.33 µg/l in June 2017, remained below detection limits for the remainder of 2017 and ranged from 0.26U to 0.36J µg/l in 2018. Virtually coincidental with the January through April 2017 trial shutdown of EW-6, it appears the March 2017 TCE spike occurred because historically high-water levels in the second half of 2016 "flushed out" residual TCE previously trapped in or just above the capillary fringe and below/beyond the main building SVE system's vapor barrier. GF's February 2018 *Annual Interim Remedial Action Status Report – 2017* provides additional detail.
- Rebounded again in November 2021 during the second trial shutdown of EW-6 from September 2021 through January 2022. Like before, it appears local fluctuating water levels "flushed out" residual TCE previously trapped in or just above the capillary fringe. However, this time:
  - TCE concentrations increased from <0.32 to 0.89 and 0.98 to 2.25 µg/l in MW-76A and EW-6, respectively. Hence, maximum measured TCE rebound concentrations were 4.6 (MW-76A) and 2.25 (EW-6) µg/l in March 2017 and November 2021, respectively. NPI and GF believe the over 50 percent decrease in maximum measured rebound concentrations from March 2017 to November 2021 is indicative of a) less residual TCE mass in the source area under the main building and b) the continued improvement in overall groundwater quality.

- Out of an abundance of caution, NPI:
  - Had Midwest Well Drilling LLC of Cornell, Wisconsin:
    - Pull the pump from EW-6 and chemically treat the well on December 22, 2021.
    - Leave the treatment chemicals in the well/filter pack/formation for two to three weeks to improve performance, neutralize the muriatic acid used in the treatment process, and purge/redevelop the well during the week of January 10, 2022.
  - Resumed operation of EW-6 on January 17, 2022, to provide hydraulic control and prevent the off-site migration of dissolved-phase TCE and other VOCs.
- Rebounded again in June 2023 during the ongoing trial shutdown of EW-6. However, NPI and GF believe that the observed rebound of TCE in EW-6 is due in part to back diffusion of TCE from residual organic material in and around the EW-6 well bore and a portion of the organic material is residual fuel/#6 heating oil contamination related to a former NPI leaking underground storage tank (LUST) site (WDNR BRRTS #03-09-001038) defined by petroleum monitoring well PW-1, which was located approximately 180 ft east of the main building and 90 ft west of MW-11A (see Figure 4). Following several years of active remediation, the LUST site was closed in October 1999 based on documentation prepared by GF (fka Eder Associates).

Because of all remedial activities completed through 2023:

- The general trend of TCE concentrations in former Plume 1/2 wells is decreasing, and there were no exceedances of the ES/MCL for TCE of 5 µg/ℓ or any other NPI VOC in any monitoring wells either on site or off site in 2016-2023.
- All NPI VOCs were virtually non-existent in the sampled former Plume 3/4 wells, EW-1R, and EW-2. In 2023, for example, TCE was the only NPI VOC present at concentrations above its limit of detection, TCE was detected in a sample from just one off-site piezometer (i.e., MW-65C at 0.46J µg/ℓ), and its detected concentration was below the limit of quantitation and TCE's PAL of 0.5 µg/ℓ.
- Cd concentrations above its ES/MCL of 5 µg/ℓ are confined to a relatively small area immediately adjacent to former Lagoon #1, which included only MW-10A and MW-10B in 2023.
- Both agencies approved NPI's request to continue/extend the trial shutdown of EW-6 at least through the second quarter (Q2) of 2024.

Table 15 summarizes the steps that NPI has completed to demonstrate that the site was inspected to ensure no inconsistent uses have occurred, certify that ICs remain in place and are effective, and document that any necessary contingency actions have been executed, as requested by the USEPA and per the site's LTS plan. See GF's August 2019 RAR for additional details.

#### **PLANNED WORK (2024)**

NPI plans the following work in 2024:

- Continue to operate the SVE systems at the MRDS, the shallow and mid-depth wells in the MW-34/70 area, and VW-1 inside the main building to remove additional TCE and protect groundwater quality.

Both the MRDS and MW-34/70 area systems will operate seasonally. Sample and report results from each system in accordance with agreed upon schedules.

- Continue to monitor NPI VOCs in the SWC to assess the need to restart extraction well EW-5 and/or EW-6 and submit DMRs in accordance with agreed upon schedules.
- Continue to conduct routine quarterly groundwater monitoring. These activities will include the measuring of water levels and sampling of select on- and off-site monitoring wells/piezometers, city production wells, and unit operations at the ECMWF in accordance with the approved groundwater sampling schedule and QAPP/monitoring plans for the analysis of NPI VOCs and Cd as summarized in Table 14.
- Submit a summary report on the current trial shutdown of EW-6 to the agencies within four weeks of receiving the Q2 2024 groundwater monitoring analytical results from Pace.

If you have any questions during your review of the report, please call.

Sincerely,

GANNETT FLEMING, INC.



Cliff Wright, P.E., P.G.  
Project Engineer

CCW/Enc.

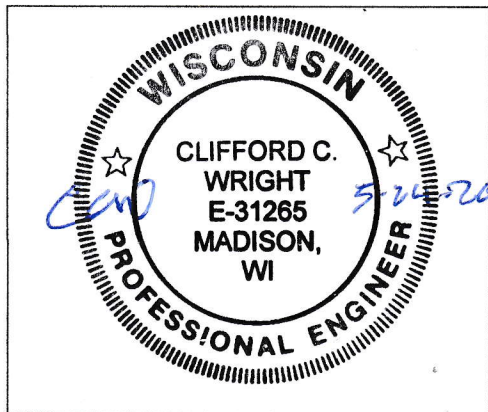
ecc: Derrick Paul (NPI)  
Ben Spanel (City of Eau Claire)  
Kris Fitzsimmons (Village of Lake Hallie)  
Tony Miller (Gannett Fleming)

**ENGINEERING AND HYDROGEOLOGIST CERTIFICATIONS**

I hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 4, Wis. Adm. Code; that this document has been prepared in accordance with the rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all 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.

Print Name Clifford C. Wright	Title Project Engineer/Geologist
Signature <i>Clifford C. Wright</i>	Date <i>5.24.2024</i>

P.E. Seal for E-31265:



I 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 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.

Print Name Clifford C. Wright	Title Project Engineer/Geologist
Signature <i>Clifford C. Wright</i>	Date <i>5.24.2024</i>

*NPI Annual Interim Remediation Status Report - 2023*



## LIST OF ACRONYMS AND ABBREVIATIONS

bgs	below ground surface
BRRTS	Bureau of Remediation and Redevelopment Tracking System (Wisconsin)
CAS	cascade aerator system
Cd	cadmium
CO	continuing obligations
DCA	1,1-dichloroethane
DCE	1,1-dichloroethylene
ECMWF	Eau Claire Municipal Well Field
EDS	East Disposal Site
ES	Enforcement Standard (WAC NR 140)
ESD	explanation of significant difference
EW	extraction well
FCOR	final closeout report
FID	Facility ID (Wisconsin)
ft	feet
GF	Gannett Fleming, Inc.
IC	institutional controls
ICIAP	institutional control implementation and assurance plan
LDA	Loading Dock Area
LTS	long-term stewardship
MCL	Maximum Contaminant Level (federal)
MRDS	Melby Road Disposal Site
MW	monitoring well
µg/ℓ	micrograms per liter
NPI	National Presto Industries, Inc.
NPL	National Priorities List
O&M	operation and maintenance
PAL	Preventative Action Limit (WAC NR 140)
PCE	tetrachloroethylene
RAR	Remedial Action Report
ROD	Record of Decision
R&R	Remediation and Redevelopment
SVE	soil vapor extraction
SWC	Southwest Corner
TCA	1,1,1-trichloroethane
TCE	trichloroethylene
USEPA	U.S. Environmental Protection Agency
VOCs	volatile organic compounds
WAC	Wisconsin Administrative Code
WDNR	Wisconsin Department of Natural Resources
WRRD	Wisconsin Remediation and Redevelopment Database

## FIGURES

<u>No.</u>	<u>Description</u>
1	24" x 36" Water Table Groundwater Contour Map (June 2023) with 1993 Plume Locations
2	11" x 17" Site Plan Showing June 2023 Groundwater Contours
3	11" x 17" Site Plan with Three Existing SVE System Locations
4	11" x 17" Main Building SVE System and June 2023 SWC Groundwater Contour Map

## TABLES

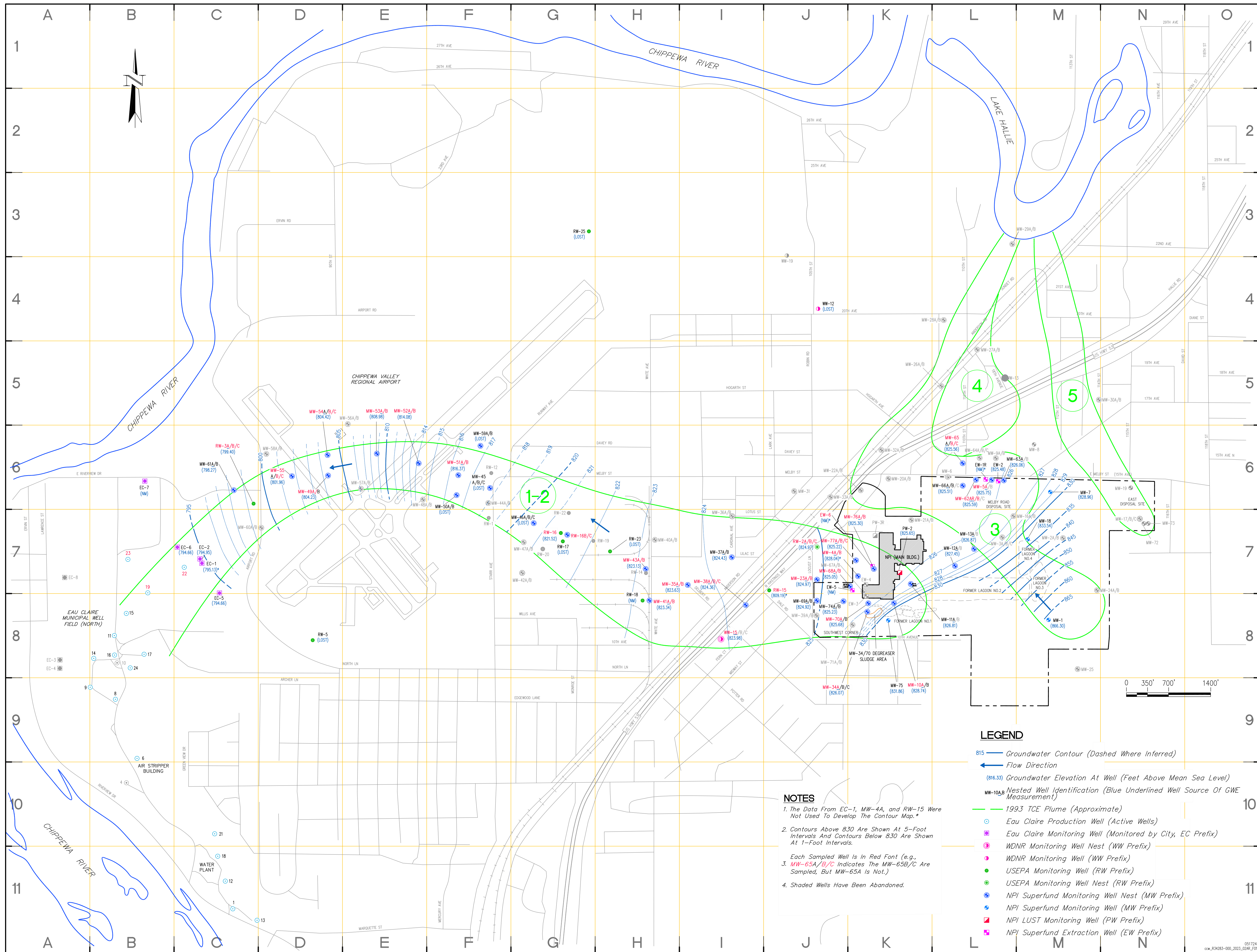
<u>No.</u>	<u>Description</u>
1	Well Construction Information
2A	Emission Threshold Info from Table A in NR 445.07 for Detected VOCs in SVE Exhaust Gas Samples
2B	Summary of Air Emissions from/TCE Removal by NPI SVE Systems (2020-2023)
3	2023 Water Level Measurements
4	NPI VOC Analytical Results from SWC Extraction Wells EW-5 and EW-6 (2020-2023)
5	NPI VOC Analytical Results from Former Plume 1/2 Monitoring Wells & Piezometers (2020-2023)
6	NPI VOC Analytical Results from the Eau Claire Municipal Well Field (2020-2023)
7	Summary of Dissolved Cadmium Analytical Results (2020-2023)
8	NPI VOC Analytical Results from Former Plume 3/4 Monitoring Wells & Piezometers (2020-2023)
9	NPI VOC Analytical Results from MRDS Extraction Wells (2015-2017)
10	Annual Pumpage from NPI Groundwater Extraction Wells (2020-2023)
11	TCA Concentrations in NPI Pumped Groundwater (2020-2023)
12	TCE Concentrations in NPI Pumped Groundwater (2020-2023)
13	Summary of Results from Manhole MH-18 Sampling (2020-2023)
14	Groundwater Sampling and Well/Piezometer Abandonment Schedule for 2024
15	Long-term Stewardship Plan Verification/Confirmation Summary for 2023

## APPENDICES

A	Historical Data Summary Workbooks (available upon request)
B	Laboratory Reports for 2023 Groundwater Analytical Data (available upon request)
C	Text of the 2023 Analytical Data Validation Reports (available upon request)
D	TCE Concentration vs Time Graphs Former Plume 1/2 (Southwest Corner to the ECMWF)
E	TCE Concentration vs Time Graphs Former Plume 3/4 (Melby Road Disposal Site)

## FIGURES





No.	REVISIONS	DATE	BY
0	PRELIMINARY DRAFT.	09/11/23	JSD
1	FIRST DRAFT.	01/05/24	CJP
2	SECOND DRAFT.	01/09/24	CJP

**AREA SITE PLAN WITH WELL AND 1993 PLUME LOCATIONS AND NATIONAL PRESTO INDUSTRIES, INC. AND EAU CLAIRE MUNICIPAL WELL FIELD**  
EAU CLAIRE, WISCONSIN

**GANNETT FLEMING**  
HARRISBURG, PENNSYLVANIA      MADISON, WISCONSIN

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PROJECT  
2023 ANNUAL REPORT  
NATIONAL PRESTO INDUSTRIES, INC.  
EAU CLAIRE, WISCONSIN

TITLE  
**WATER TABLE GROUNDWATER CONTOUR MAP (JUNE 2023) WITH 1993 PLUME LOCATIONS**

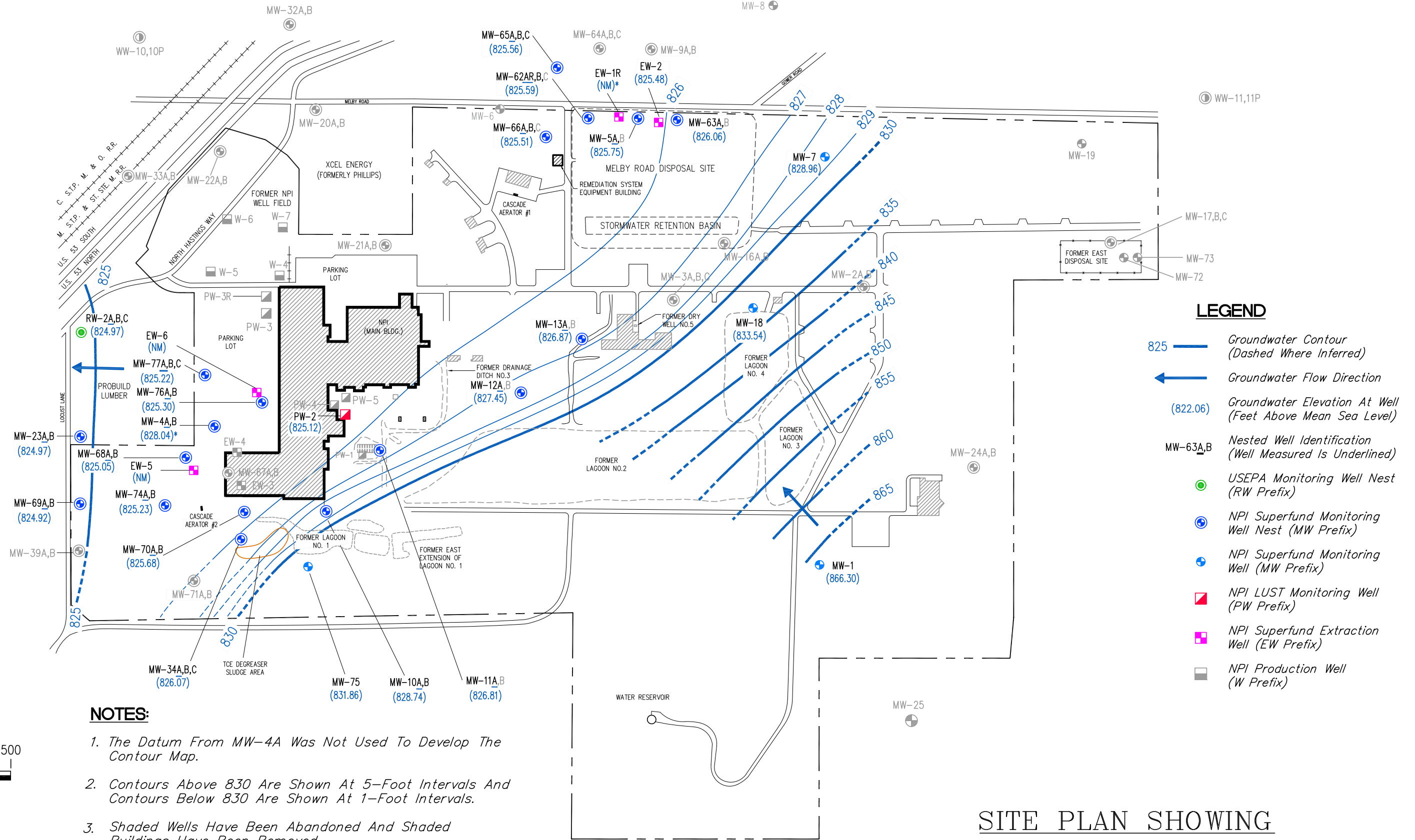
<b>GANNETT FLEMING</b>	
HARRISBURG, PENNSYLVANIA	MADISON, WISCONSIN
DRAWN BY	JSD
DESIGNED BY	CJP
APPROVED BY	CCW
DATE	MAY 2024
SCALE	1" = 700'
PROJECT No.	34283.000
DRAWING No.	
<b>FIGURE 1</b>	

- LEGEND**
- 815 — Groundwater Contour (Dashed Where Inferred)
  - ← Flow Direction
  - (816.33) Groundwater Elevation At Well (Feet Above Mean Sea Level)
  - MW-10A/B Nested Well Identification (Blue Underlined Well Source Of GWE Measurement)
  - Eau Claire Production Well (Active Wells)
  - ⊕ Eau Claire Monitoring Well (Monitored by City, EC Prefix)
  - ⊙ WDNR Monitoring Well Nest (WW Prefix)
  - ⊙ USEPA Monitoring Well (RW Prefix)
  - ⊙ USEPA Monitoring Well Nest (RW Prefix)
  - ⊙ NPI Superfund Monitoring Well Nest (MW Prefix)
  - ⊙ NPI Superfund Monitoring Well (MW Prefix)
  - ⊙ NPI LUST Monitoring Well (PW Prefix)
  - ⊙ NPI Superfund Extraction Well (EW Prefix)

- NOTES**
- The Data From EC-1, MW-4A, and RW-15 Were Not Used To Develop The Contour Map.\*
  - Contours Above 830 Are Shown At 5-Foot Intervals And Contours Below 830 Are Shown At 1-Foot Intervals.
  - Each Sampled Well Is In Red Font (e.g., MW-65A/B/C Indicates The MW-65B/C Are Sampled, But MW-65A Is Not.)
  - Shaded Wells Have Been Abandoned.

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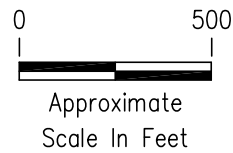


**LEGEND**

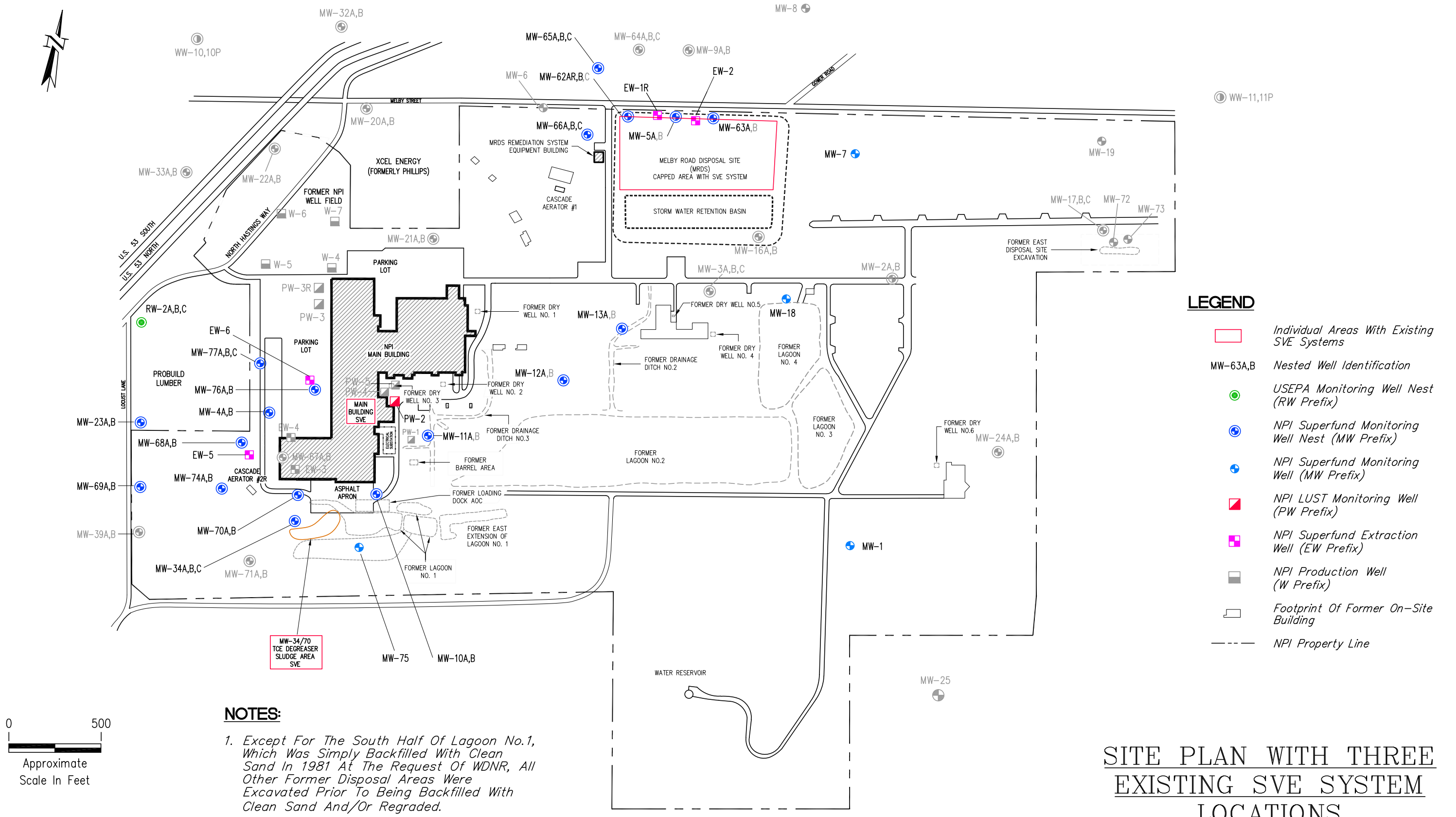
- 825 — Groundwater Contour (Dashed Where Inferred)
- ← Groundwater Flow Direction
- (822.06) Groundwater Elevation At Well (Feet Above Mean Sea Level)
- MW-63A,B Nested Well Identification (Well Measured Is Underlined)
- USEPA Monitoring Well Nest (RW Prefix)
- ⊕ NPI Superfund Monitoring Well Nest (MW Prefix)
- ⊕ NPI Superfund Monitoring Well (MW Prefix)
- ▣ NPI LUST Monitoring Well (PW Prefix)
- ⊕ NPI Superfund Extraction Well (EW Prefix)
- ▣ NPI Production Well (W Prefix)

**NOTES:**

1. The Datum From MW-4A Was Not Used To Develop The Contour Map.
2. Contours Above 830 Are Shown At 5-Foot Intervals And Contours Below 830 Are Shown At 1-Foot Intervals.
3. Shaded Wells Have Been Abandoned And Shaded Buildings Have Been Removed.
4. EW-3 Was Replaced By EW-5 On January 7, 2004, And EW-4 Was Replaced By EW-6 On September 22, 2011.



**SITE PLAN SHOWING  
JUNE 2023 GROUNDWATER CONTOURS**  
2023 ANNUAL REPORT  
NATIONAL PRESTO INDUSTRIES, INC.  
EAU CLAIRE, WISCONSIN



**LEGEND**

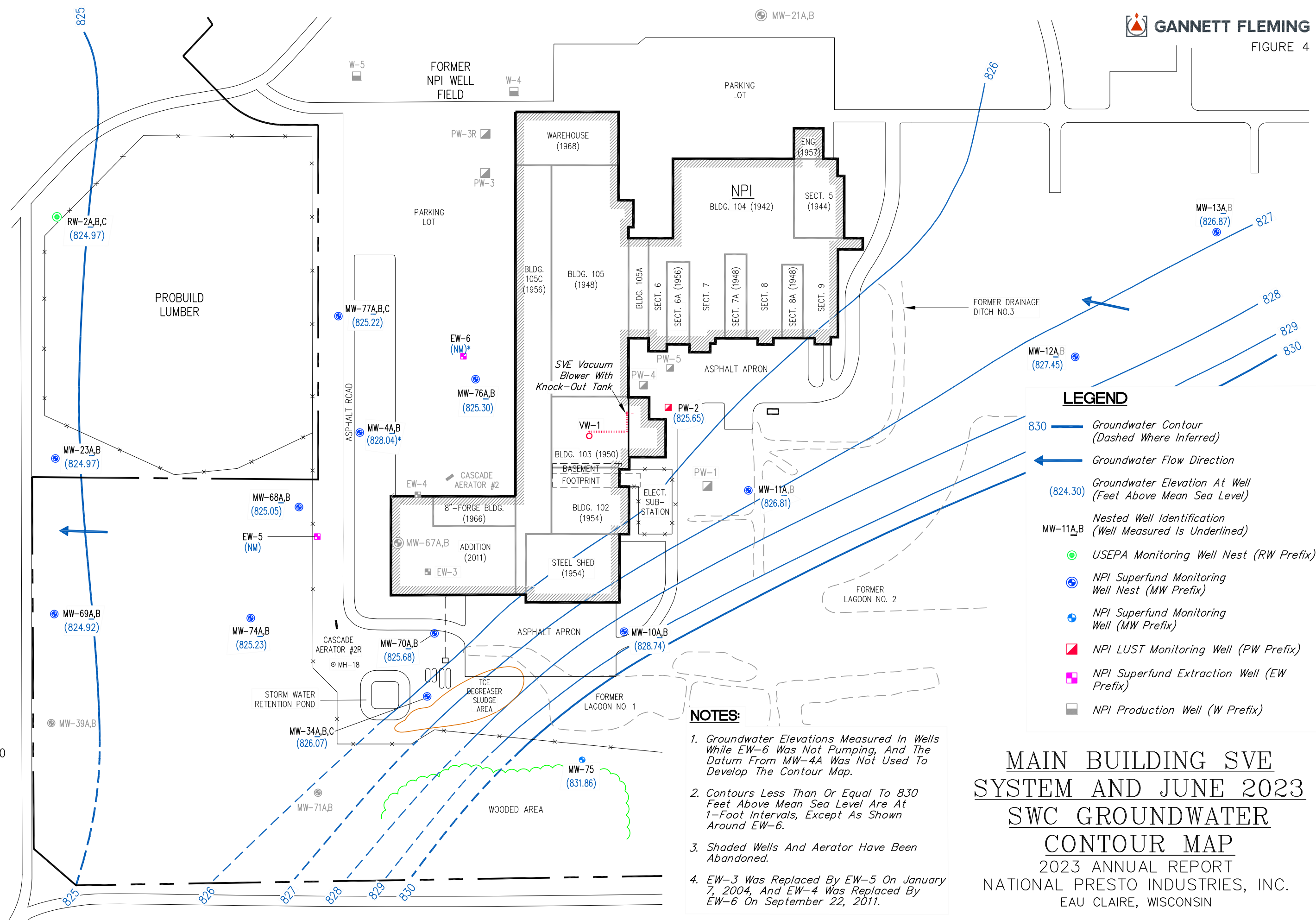
- Individual Areas With Existing SVE Systems
- MW-63A,B Nested Well Identification
- USEPA Monitoring Well Nest (RW Prefix)
- ⊕ NPI Superfund Monitoring Well Nest (MW Prefix)
- ⊕ NPI Superfund Monitoring Well (MW Prefix)
- ▣ NPI LUST Monitoring Well (PW Prefix)
- NPI Superfund Extraction Well (EW Prefix)
- NPI Production Well (W Prefix)
- Footprint Of Former On-Site Building
- NPI Property Line

- NOTES:**
1. Except For The South Half Of Lagoon No.1, Which Was Simply Backfilled With Clean Sand In 1981 At The Request Of WDNR, All Other Former Disposal Areas Were Excavated Prior To Being Backfilled With Clean Sand And/Or Regraded.
  2. Shaded Wells Have Been Abandoned And Shaded Buildings Have Been Demolished And Removed.

## SITE PLAN WITH THREE EXISTING SVE SYSTEM LOCATIONS

2023 ANNUAL REPORT  
NATIONAL PRESTO INDUSTRIES, INC.  
EAU CLAIRE, WISCONSIN





**LEGEND**

- 830 — Groundwater Contour (Dashed Where Inferred)
- ← Groundwater Flow Direction
- (824.30) Groundwater Elevation At Well (Feet Above Mean Sea Level)
- MW-11A,B Nested Well Identification (Well Measured Is Underlined)
- USEPA Monitoring Well Nest (RW Prefix)
- ⊕ NPI Superfund Monitoring Well Nest (MW Prefix)
- ⊕ NPI Superfund Monitoring Well (MW Prefix)
- ▣ NPI LUST Monitoring Well (PW Prefix)
- ⊕ NPI Superfund Extraction Well (EW Prefix)
- NPI Production Well (W Prefix)

- NOTES:**
1. Groundwater Elevations Measured In Wells While EW-6 Was Not Pumping, And The Datum From MW-4A Was Not Used To Develop The Contour Map.
  2. Contours Less Than Or Equal To 830 Feet Above Mean Sea Level Are At 1-Foot Intervals, Except As Shown Around EW-6.
  3. Shaded Wells And Aerator Have Been Abandoned.
  4. EW-3 Was Replaced By EW-5 On January 7, 2004, And EW-4 Was Replaced By EW-6 On September 22, 2011.

**MAIN BUILDING SVE  
 SYSTEM AND JUNE 2023  
 SWC GROUNDWATER  
 CONTOUR MAP**  
 2023 ANNUAL REPORT  
 NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN



## TABLES

NATIONAL PRESTO INDUSTRIES, INC.  
EAU CLAIRE, WISCONSIN

TABLE 1

WELL CONSTRUCTION INFORMATION

Well/Piezometer ID (description/comment)	Plume	Grid Coord.	FN	Drilling Method	Completion Date or Year	Screened Interval (ft bgs)	Screened In (description of material)	Screen Diameter (inches)	Well Top Type	Casing/ Screen Material	Top of Casing Elevation (ft MSL)	Date of Abandon- ment
CW-6 (City Well/water supply)	--	B9		CT	03/17/37	39-76.7	Gravel packed	20	--	AI	812.68	NA
CW-8	--	B9		--	--	49-89	--	16	--	SS	808.79	NA
CW-9	--	B9		CT	01/16/47	65-95	crs S & G	16	--	AI	811.18	NA
<b>CW-10</b>	1/2	B8		CT	01/19/47	65-95	crs S & G	16	--	AI	--	04/22/20
CW-11	1/2	B8		CT	01/17/47	60-90	crs S & G	16	--	AI	812.77	NA
CW-12	--	C11		CT	01/25/55	50-85	Sand & Gravel	--	--	--	805.52	NA
CW-13	--	C11		CT	05/21/62	65-95	Sand & Gravel	16	--	SS	807.65	NA
CW-14	1/2	B8		CT	03/08/68	60-98	crs G & rocks	16	--	SS	810.81	NA
CW-15	1/2	B8		CT	04/12/68	62-87	crs S & G	16	--	SS	812.20	NA
CW-16	1/2	B8		CT	04/08/75	75-110	Sand & Gravel	20	--	SS	810.12	NA
CW-17	1/2	B8		CT	12/09/75	65-100	Sand & Gravel	20	--	SS	808.18	NA
CW-18	--	C11		CT	12/22/77	70-105	Gravel	20	--	SS	810.11	NA
CW-19	1/2	B7		CT	1992	72-97	Gravel	20	--	SS	813.54	NA
CW-21	--	C10		--	--	68-103	--	20	--	SS	806.63	NA
CW-22	1/2	C7		CT	2017	54-100	crs S & G	20	--	SS	811.75	NA
CW-23	1/2	B7		CT	2017	55-80	Sand & Gravel	20	--	SS	813.24	NA
CW-24	1/2	B8		RR	05/22/19	65-100	Sand & Gravel	20	--	SS	807.13	NA
EC-1 (City monitoring well)	1/2	C7		--	12/16/82	90-100	--	4	P	Steel	813.95	NA
EC-2	1/2	C7		--	12/20/82	18-28	--	4	P	Steel	814.44	NA
<b>EC-3</b>	1/2	A8		--	12/23/82	53-75	--	6	P	Steel	799.58	09/04/08
<b>EC-4</b>	1/2	A8		--	01/31/83	9-19	--	4	P	Steel	800.84	09/04/08
EC-5	1/2	C7		--	12/23/82	17-27	--	4	P	Steel	813.56	NA
EC-6	1/2	C7		--	01/04/83	15-25	--	4	P	Steel	813.19	NA
<b>EC-7 (approved for ABND)</b>	1/2	B6	(1)	--	01/05/83	19-29	--	4	P	Steel	816.22	NA
<b>EC-8</b>	1/2	A7		--	01/07/83	20-30	--	4	--	Steel	812.93	09/04/08
<b>EW-1 (fka MW-14)</b>	3/4	L6	(2)	AR	03/05/87	62.5-97.5	Alluvium	5	--	Steel	896.00	08/25/95
EW-1R (replaced EW-1)	3/4	L6		HSA/CT	08/25/95	75-100	Alluvium	6	F	SS	900.08	NA
EW-2 (fka MW-15)	3/4	L6		AR	02/26/87	69-104	Alluvium	8	F	Steel	901.45	NA
<b>EW-3 (Last sampled 7/22/03)</b>	1/2	K8		MR	09/01/92	65.2-85.2	Alluvium	6	Vault	Steel	897.22	06/24/10
<b>EW-4</b>	1/2	K7		MR	09/03/92	72-92	Alluvium	6	Vault	Steel	898.23	10/14/10
EW-5	1/2	K7		MR	07/10/03	70-90	Alluvium	6	Vault	Steel/SS	889.90	NA
EW-6	1/2	K7		Sonic	08/06/11	70.3-100.3	Alluvium	6	Vault	Steel/SS	894.89	NA
<b>MW-1</b>	3/4	M8	(3)	HSA	10/26/76	39.5-49.5	Alluvium	2	P	PVC	910.26	08/15/23
<b>MW-2A</b>	3/4	M7	(3,4)	HSA	10/27/76	45-55	Bedrock	2	--	PVC	905.19	07/15/88
<b>MW-2B</b>	3/4	M7	(3)	HSA	10/27/76	6-16	Alluvium	2	--	PVC	905.19	07/15/88
<b>MW-3A</b>	3/4	L7	(3,4)	HSA	10/28/76	69-72	Bedrock	2	--	PVC	899.95	07/15/88
<b>MW-3B</b>	3/4	L7	(3,4)	HSA	10/28/76	73-76	Bedrock	2	--	PVC	899.95	07/15/88
<b>MW-3C</b>	3/4	L7	(3,4)	HSA	10/28/76	77-80	Bedrock	2	--	PVC	899.95	07/15/88
MW-4A	1/2	K7	(3)	HSA	11/12/76	70-80	Alluvium	2	P	PVC	897.25	NA
MW-4B	1/2	K7		MR	05/24/90	95-105	Alluvium	2	P	PVC	896.65	NA
MW-5A	3/4	L6	(3)	HSA	02/27/84	64-81	Alluvium	2	P	PVC	902.60	NA
<b>MW-5B</b>	3/4	L6	(3)	MR	12/05/86	87-97	Alluvium	2	P	PVC	902.39	04/21/20
<b>MW-6</b>	3/4	L6	(3)	HSA	01/10/85	73.8-88.8	Alluvium	2	P	PVC	904.70	02/24/22
<b>MW-7</b>	3/4	M6	(3,4)	MR	01/08/85	62-77	Bedrock	2	P	PVC	897.73	08/15/23
<b>MW-8</b>	3/4	M6	(3)	HSA	01/11/85	75-90	Alluvium	2	P	PVC	904.24	05/07/18

TABLE 1

WELL CONSTRUCTION INFORMATION

Well/Piezometer ID (description/comment)	Plume	Grid Coord.	FN	Drilling Method	Completion Date or Year	Screened Interval (ft bgs)	Screened In (description of material)	Screen Diameter (inches)	Well Top Type	Casing/ Screen Material	Top of Casing Elevation (ft MSL)	Date of Abandon- ment
MW-9A	3/4	L6	(3)	MR	03/28/85	80-90	Alluvium	2	P	PVC	905.30	04/24/18
MW-9B	3/4	L6	(3,4)	HSA	03/28/85	98-113	Bedrock	2	P	PVC	905.30	04/24/18
MW-10A	1/2	K8	(4)	HSA	11/14/86	56-71	Both	2	P	PVC	894.84	NA
MW-10B	1/2	K8	(4)	MR	11/14/86	90.5-100.5	Bedrock	2	P	PVC	894.91	NA
MW-11A	1/2	K7		HSA	11/15/86	58-73	Alluvium	2	P	PVC	896.03	NA
MW-11B	1/2	K7	(4)	MR	11/17/86	77-87	Bedrock	2	P	PVC	896.27	11/23/11
MW-12A	3/4	L7		HSA	11/18/86	58-73	Alluvium	2	P	PVC	897.09	NA
MW-12B	1/2	L7	(4)	MR	11/18/86	77.5-87.5	Bedrock	2	P	PVC	897.20	11/23/11
MW-13A	3/4	L7		HSA	11/21/86	58.5-73.5	Alluvium	2	P	PVC	896.86	NA
MW-13B	3/4	L7	(4)	HSA	11/21/86	81-91	Bedrock	2	P	PVC	?	11/23/11
MW-14 (nka EW-1)	3/4	L6	(2)	AR	03/05/87	62.5-97.5	Alluvium	2	--	Steel	896.00	03/05/87
MW-15 (nka EW-2)	3/4	L6		AR	02/26/87	69-104	Alluvium	2	--	Steel	895.81	02/26/87
MW-16A	3/4	M7	(4)	HSA	11/25/86	58-73	Bedrock	2	--	PVC	896.62	08/21/98
MW-16B	3/4	M7	(4)	MR	11/24/86	83.5-93.5	Bedrock	2	--	PVC	896.51	08/21/98
MW-17	5	N7	(4)	HSA	12/03/86	25-40	Both	2	P	PVC	898.91	11/23/11
MW-17B	5	N7	(4)	HSA	12/04/86	50-60	Bedrock	2	P	PVC	899.12	11/23/11
MW-17C	5	N7	(4)	MR	05/20/88	70-80	Bedrock	2	P	PVC	899.50	11/23/11
MW-18	3/4	M7	(4)	HSA	05/19/88	58-73	Bedrock	2	P	PVC	898.38	NA
MW-19	5	N6	(4)	HSA	05/17/88	58-73	Bedrock	2	P	PVC	898.89	11/30/11
MW-20A	3/4	K6		HSA	05/25/88	65.5-80.5	Alluvium	2	--	PVC	897.82	04/15/95
MW-20B	3/4	K6		HSA	06/01/88	92-102	Alluvium	2	--	PVC	896.74	04/15/95
MW-21A	3/4	K7		HSA	05/23/88	67-82	Alluvium	2	--	PVC	899.27	04/07/10
MW-21B	3/4	K7		MR	05/20/88	92-102	Alluvium	2	--	PVC	898.95	04/07/10
MW-22A	3/4	K6		HSA	06/03/88	66.5-81.5	Alluvium	2	P	PVC	900.79	05/07/18
MW-22B	3/4	K6		HSA	06/01/88	91.5-101.5	Alluvium	2	P	PVC	900.75	05/07/18
MW-23A	1/2	J7		HSA	06/04/88	65-80	--	2	P	PVC	895.99	NA
MW-23B	1/2	J7		HSA	06/03/88	90-100	--	2	P	PVC	895.95	NA
MW-24A	3/4	M7	(4)	MR	05/25/88	45-60	Bedrock	2	--	PVC	915.66	09/05/08
MW-24B	3/4	M7	(4)	MR	05/23/88	70-80	Bedrock	2	--	PVC	915.57	09/05/08
MW-25	3/4	M8	(4)	HSA	05/17/88	39-54	Both	2	--	PVC	930.35	09/05/08
MW-26A	3/4	L5		HSA	06/22/89	63-78	Alluvium	2	F	PVC	890.17	05/04/18
MW-26B	3/4	L5		MR	06/20/89	109-119	Alluvium	2	F	PVC	890.03	05/04/18
MW-27A	3/4	L5		HSA	06/21/89	62-77	Alluvium	2	F	PVC	890.20	05/04/18
MW-27B	3/4	L5		MR	06/20/89	85.3-95.3	Alluvium	2	F	PVC	890.15	05/04/18
MW-28A	3/4	L4		HSA	06/08/89	65-80	Alluvium	2	--	PVC	892.86	06/15/99
MW-28B	3/4	L4		MR	06/08/89	113-123	Alluvium	2	--	PVC	893.16	06/15/99
MW-29A	3/4	L3		HSA	05/25/89	69-84	Alluvium	2	P	PVC	892.72	05/08/18
MW-29B	3/4	L3		MR	05/31/89	124-134	Alluvium	2	P	PVC	892.49	05/08/18
MW-30A	5	M5		HSA	06/12/89	66-81	Alluvium	2	--	PVC	898.69	09/08/08
MW-30B	5	M5		MR	06/10/89	115-125	Alluvium	2	--	PVC	898.49	09/08/08
MW-31	1/2	J6		HSA	06/02/89	56-71	Alluvium	2	--	PVC	887.65	09/09/08
MW-32A	3/4	K6		HSA	06/23/89	59-74	Alluvium	2	--	PVC	887.83	04/08/95
MW-32B	3/4	K6		MR	06/21/89	90-100	Alluvium	2	--	PVC	887.77	04/08/95
MW-33A	1/2	J6		HSA	07/07/89	55-70	Alluvium	2	--	PVC	885.30	04/07/10
MW-33B	1/2	J6		MR	07/07/89	100-110	Alluvium	2	--	PVC	885.25	04/07/10
MW-34A (data per boring log)	1/2	K8		HSA	06/08/90	67-72	Alluvium	2	P	PVC	895.36	NA
MW-34B (data per boring log)	1/2	K8	(4)	MR	05/31/90	90-100	Both	2	P	PVC	895.28	NA

TABLE 1

WELL CONSTRUCTION INFORMATION

Well/Piezometer ID (description/comment)	Plume	Grid Coord.	FN	Drilling Method	Completion Date or Year	Screened Interval (ft bgs)	Screened In (description of material)	Screen Diameter (inches)	Well Top Type	Casing/ Screen Material	Top of Casing Elevation (ft MSL)	Date of Abandon- ment
MW-34C	1/2	K8	(4)	--	--	?-102	Bedrock	2	P	PVC	895.25	NA
MW-35A	1/2	I7		HSA	05/31/90	59-74	Alluvium	2	P	PVC	888.28	NA
MW-35B	1/2	I7		MR	06/06/90	84-94	Alluvium	2	P	PVC	888.02	NA
MW-36A	1/2	I7		HSA	06/06/90	63.5-78.5	Alluvium	2	F	PVC	889.87	11/23/11
MW-36B	1/2	I7		MR	06/07/90	88.5-98.5	Alluvium	2	F	PVC	889.89	11/23/11
MW-37A	1/2	I7		HSA	12/18/90	55.7-70.7	Alluvium	2	F	PVC	885.55	NA
MW-37B	1/2	I7		HSA	02/12/91	68.5-73.5	Alluvium	2	F	PVC	885.27	NA
MW-38A	1/2	I8		HSA	12/16/90	54.5-69.5	Alluvium	2	F	PVC	884.89	NA
MW-38B	1/2	I8		HSA	02/05/91	97.5-107.5	Alluvium	2	F	PVC	884.82	NA
MW-38C	1/2	I8		MR	01/13/91	139.2-149.2	Alluvium	2	F	PVC	884.83	NA
MW-39A	1/2	J8		HSA	12/11/90	62.5-77.5	Alluvium	2	P	PVC	896.17	11/11/19
MW-39B	1/2	J8		MR	01/26/91	114.8-124.8	Alluvium	2	P	PVC	896.38	11/29/11
MW-40A	1/2	H7		HSA	12/20/90	58-73	Alluvium	2	--	PVC	886.57	08/24/09
MW-40B	1/2	H7		MR	01/16/91	79-89	Alluvium	2	--	PVC	886.34	08/24/09
MW-41A	1/2	H8		HSA	12/19/90	56-71	Alluvium	2	F	PVC	884.04	NA
MW-41B	1/2	H8		MR	01/23/91	102.5-112.5	Alluvium	2	F	PVC	883.84	NA
MW-42A	1/2	G7		HSA	01/31/91	65.5-75.5	Alluvium	2	P	PVC	891.83	11/29/11
MW-42B	1/2	G7		MR	01/17/91	74.5-84.5	Alluvium	2	P	PVC	891.32	11/29/11
MW-43A	1/2	H7		HSA	02/12/91	61-76	Alluvium	2	F	PVC	885.34	NA
MW-43B	1/2	H7		MR	02/11/91	107.5-117.5	Alluvium	2	F	PVC	885.35	NA
MW-44A	1/2	F6		HSA	08/20/91	62-67	Alluvium	2	F	PVC	885.35	08/25/15
MW-44B	1/2	F6		HSA	08/24/91	114-124	Alluvium	2	F	PVC	885.34	08/25/15
MW-45A	1/2	F6	(5)	HSA	08/21/91	63-78	Alluvium	2	F	PVC	886.20	Destroyed
MW-45B	1/2	F6	(5)	MR	09/11/91	101-111	Alluvium	2	F	PVC	886.26	Destroyed
MW-45C	1/2	F6	(5)	MR	08/26/91	134-144	Alluvium	2	F	PVC	886.05	Destroyed
MW-46A (not found)	1/2	G7		HSA	08/22/91	60-75	Alluvium	2	P	PVC	885.46	NA
MW-46B (not found)	1/2	G7		MR	09/12/91	99.5-109.5	Alluvium	2	P	PVC	885.42	NA
MW-46C (not found)	1/2	G7		MR	08/28/91	134.3-144.3	Alluvium	2	P	PVC	885.38	NA
MW-47A	1/2	G7		HSA	08/23/91	60-75	Alluvium	2	P	PVC	888.39	05/08/18
MW-47B	1/2	G7		MR	09/04/91	100-110	Alluvium	2	P	PVC	888.24	05/08/18
MW-48A	1/2	E6		HSA	09/07/91	66.5-81.5	Alluvium	2	F	PVC	885.15	12/01/11
MW-48B	1/2	E6		MR	09/06/91	93-103	Alluvium	2	F	PVC	885.40	12/01/11
MW-49A	1/2	D6		HSA	09/10/91	78.5-91.5	Alluvium	2	F	PVC	883.04	NA
MW-49B	1/2	D6		MR	09/09/91	107-117	Alluvium	2	F	PVC	883.02	NA
MW-50A (not found)	1/2	F6		HSA	09/16/91	63.4-78.4	Alluvium	2	F	PVC	883.61	NA
MW-50B (not found)	1/2	F6		MR	09/15/91	95-105	Alluvium	2	F	PVC	883.57	NA
MW-51A	1/2	F6		HSA	09/17/91	63.5-78.5	Alluvium	2	F	PVC	884.02	NA
MW-51B	1/2	F6		MR	09/17/91	102-112	Alluvium	2	F	PVC	883.99	NA
MW-52A	1/2	F6		HSA	10/02/91	67.4-82.4	Alluvium	2	F	PVC	884.13	NA
MW-52B	1/2	F6		MR	10/02/91	113-123	Alluvium	2	F	PVC	884.12	NA
MW-53A	1/2	E6		HSA	10/05/91	76-91	Alluvium	2	F	PVC	887.93	NA
MW-53B	1/2	E6		MR	10/05/91	112-123	Alluvium	2	F	PVC	888.25	NA
MW-54A	1/2	D6		HSA	10/10/91	77-92	Alluvium	2	F	PVC	883.78	NA
MW-54B	1/2	D6		MR	10/11/91	112-122	Alluvium	2	F	PVC	883.87	NA
MW-54C	1/2	D6		MR	10/09/91	142-152	Alluvium	2	F	PVC	883.66	NA
MW-55A	1/2	D6		HSA	11/05/91	78-93	Alluvium	2	F	PVC	881.75	NA
MW-55B	1/2	D6		MR	11/26/91	118.5-128.5	Alluvium	2	F	PVC	882.08	NA

TABLE 1

WELL CONSTRUCTION INFORMATION

Well/Piezometer ID (description/comment)	Plume	Grid Coord.	FN	Drilling Method	Completion Date or Year	Screened Interval (ft bgs)	Screened In (description of material)	Screen Diameter (inches)	Well Top Type	Casing/ Screen Material	Top of Casing Elevation (ft MSL)	Date of Abandon- ment
MW-55C	1/2	D6		MR	11/04/91	154-164	Alluvium	2	F	PVC	881.91	NA
MW-56A	1/2	E5		HSA	11/06/91	75.5-90.5	Alluvium	2	--	PVC	885.67	09/04/08
MW-56B	1/2	E5		MR	11/11/91	150-160	Alluvium	2	--	PVC	885.89	09/04/08
MW-57A	1/2	E6		HSA	11/23/91	76-91	Alluvium	2	F	PVC	886.31	05/08/18
MW-57B	1/2	E6		MR	11/21/91	108-118	Alluvium	2	F	PVC	886.13	05/08/18
MW-58A	1/2	D6		HSA	11/07/91	76-91	Alluvium	2	F	PVC	880.88	?
MW-58B	1/2	D6		MR	11/13/91	112-122	Alluvium	2	F	PVC	880.96	12/01/11
MW-59A (approved for ABND)	1/2	F6		HSA	11/08/91	62-77	Alluvium	2	--	PVC	882.00	NA
MW-59B (approved for ABND)	1/2	F6		MR	11/19/91	129-139	Alluvium	2	--	PVC	882.07	NA
MW-60A	1/2	D7		HSA	12/04/91	78.5-93.5	Alluvium	2	F	PVC	879.19	05/07/18
MW-60B	1/2	D7		MR	12/08/91	104-114	Alluvium	2	F	PVC	879.09	05/07/18
MW-61A	1/2	C6		HSA	12/05/91	78.5-93.5	Alluvium	2	F	PVC	879.37	NA
MW-61B	1/2	C6		MR	12/11/91	124-134	Alluvium	2	F	PVC	879.58	NA
MW-62A	3/4	L6		HSA	06/25/92	61-76	Alluvium	2	--	PVC	893.69	12/22/98
MW-62AR	3/4	L6		HSA	12/22/98	71-86	Alluvium	2	P	PVC	901.75	NA
MW-62B	3/4	L6		MR	06/30/92	96-106	Alluvium	2	P	PVC	901.79	NA
MW-62C	3/4	L6		MR	06/24/92	126.5-136.5	Alluvium	2	P	PVC	901.15	04/21/20
MW-63A	3/4	M6		HSA	06/28/92	65-80	Alluvium	2	P	PVC	899.05	NA
MW-63B	3/4	M6		MR	06/27/92	95-105	Alluvium	2	P	PVC	899.13	04/21/20
MW-64A	3/4	L6		HSA	07/08/92	63.5-78.5	Alluvium	2	P	PVC	894.89	05/08/14
MW-64B	3/4	L6		MR	07/08/92	103.8-113.8	Alluvium	2	P	PVC	895.24	05/08/14
MW-64C	3/4	L6		MR	07/01/92	139-149	Alluvium	2	P	PVC	894.75	05/08/14
MW-65A	3/4	L6		HSA	07/02/92	60.4-75.4	Alluvium	2	P	PVC	891.68	NA
MW-65B	3/4	L6		MR	07/08/92	100-110	Alluvium	2	P	PVC	891.62	NA
MW-65C	3/4	L6		MR	07/07/92	133.9-143.9	Alluvium	2	P	PVC	891.77	NA
MW-66A	3/4	L6	(6)	HSA	06/27/92	66.5-81.5	Alluvium	2	F	PVC	897.70	NA
MW-66B	3/4	L6	(6)	MR	07/01/92	111-121	Alluvium	2	F	PVC	897.26	NA
MW-66C	3/4	L6	(6)	MR	06/27/92	150-160	Alluvium	2	F	PVC	897.35	04/21/20
MW-67A	1/2	K7		HSA	06/22/92	61-76	Alluvium	2	--	PVC	895.96	09/22/10
MW-67B	1/2	K7		MR	07/09/92	77.8-82.8	Alluvium	2	--	PVC	895.79	09/22/10
MW-68A	1/2	J7		HSA	07/08/92	63.5-78.5	Alluvium	2	P	PVC	896.47	NA
MW-68B	1/2	J7		MR	06/19/92	97-107	Alluvium	2	P	PVC	896.77	NA
MW-69A	1/2	J8		HSA	07/09/92	65-80	Alluvium	2	P	PVC	898.02	NA
MW-69B	1/2	J8		MR	06/21/92	108.8-118.8	Alluvium	2	P	PVC	898.23	NA
MW-70A	1/2	K8	(7)	HSA	06/22/92	62-77	Alluvium	2	F	PVC	893.49	NA
MW-70B	1/2	K8	(7)	HSA	07/10/92	77-82	Alluvium	2	F	PVC	893.62	NA
MW-71A	1/2	K8		MR	06/17/92	57-72	Alluvium	2	P	PVC	894.70	11/11/19
MW-71B	1/2	K8	(4)	MR	07/09/92	79-89	Both	2	P	PVC	894.89	11/23/11
MW-72	5	N7		HSA	09/09/98	34-49	Both	2	P	PVC	899.26	11/23/11
MW-73	5	N7		HSA	09/09/98	32-47	Both	2	P	PVC	899.71	11/23/11
MW-74A	1/2	J8		HSA	07/08/03	66-76	Alluvium	2	P	PVC	896.08	NA
MW-74B	1/2	J8	(4)	MR	07/09/03	95-100	Bedrock	2	P	PVC	895.88	NA
MW-75	1/2	K8	(4)	HSA	07/11/03	56-66	Bedrock	2	P	PVC	890.61	NA
MW-76A	1/2	K7		Sonic	09/22/10	65-80	Alluvium	2	F	PVC	894.80	NA
MW-76B	1/2	K7		Sonic	09/22/10	95-100	Alluvium	2	F	PVC	895.12	NA
MW-77A	1/2	K7		Sonic	09/22/10	65-80	Alluvium	2	F	PVC	895.22	NA
MW-77B	1/2	K7		Sonic	09/21/10	95-100	Alluvium	2	F	PVC	895.21	NA



TABLE 1

WELL CONSTRUCTION INFORMATION

Well/Piezometer ID (description/comment)	Plume	Grid Coord.	FN	Drilling Method	Completion Date or Year	Screened Interval (ft bgs)	Screened In (description of material)	Screen Diameter (inches)	Well Top Type	Casing/ Screen Material	Top of Casing Elevation (ft MSL)	Date of Abandon- ment
MW-77C	1/2	K7		Sonic	09/21/10	115-120	Alluvium	2	F	PVC	895.18	NA
PW-1	1/2	K7		HSA	01/05/94	65-75	Alluvium	2		PVC	898.28	09/08/08
PW-2	1/2	K7		HSA	01/03/94	66-76	Alluvium	2	--	PVC	894.71	08/15/23
PW-3	1/2	K7		HSA	07/12/94	69-79	Alluvium	2	--	PVC	898.83	06/15/96
PW-3R	1/2	K7		HSA	11/22/96	69-79	Alluvium	2	F	PVC	896.21	08/18/17
PW-4	1/2	K7		HSA	07/12/97	68-78	Alluvium	2	--	PVC	895.59	09/08/08
PW-5	1/2	K7		HSA	07/13/94	67-77	Alluvium	2	--	PVC	886.93	01/15/04
PW-67 (Owner: Joles)	5	M4		--	--	--	--	--	--	--	--	NA
PW-218 (Owner: Martens)	5	M4		--	--	--	--	--	--	--	--	NA
PW-230 (Owner: Ihlenfeld)	5	M4		--	--	--	--	--	--	--	--	NA
RW-1	1/2	F7		HSA	12/12/85	60.5-112.5	Alluvium	2	--	PVC	887.19	07/27/09
RW-2A	1/2	J7		HSA	01/03/86	69-79	Alluvium	2	P	PVC	897.18	NA
RW-2B	1/2	J7		HSA	01/04/86	91-101	Alluvium	2	P	PVC	896.78	NA
RW-2C	1/2	J7		HSA	12/15/85	108-118	Alluvium	2	P	PVC	897.57	NA
RW-3A	1/2	C6		HSA	12/19/85	79-89	Alluvium	2	P	PVC	881.78	NA
RW-3B	1/2	C6		HSA	01/07/86	96-106	Alluvium	2	P	PVC	881.48	NA
RW-3C	1/2	C6		HSA	01/05/86	108.5-118.5	Alluvium	2	P	PVC	881.30	NA
RW-4	1/2	H9	(4)	HSA	02/04/86	53-78	Both	2	--	PVC	884.65	09/10/08
RW-5 (approved for ABND)	1/2	D8		HSA	01/18/86	82-112	Alluvium	2	--	PVC	882.19	NA
RW-6	1/2	D7	(4)	HSA	02/11/86	78.5-103.5	Both	2	--	PVC	883.89	09/03/08
RW-7	1/2	H6		HSA	01/29/86	68-118	Alluvium	2	--	PVC	890.71	09/10/08
RW-8	1/2	G5		HSA	02/05/86	64-109	Alluvium	2	--	PVC	889.12	09/09/08
RW-9	1/2	D4		HSA	01/20/86	75.5-105.5	Alluvium	2	--	PVC	886.62	09/10/08
RW-10	1/2	D6		HSA	07/21/87	70-120	Alluvium	2	--	PVC	888.28	09/04/08
RW-11	1/2	E5		HSA	07/21/87	65-120	Alluvium	2	--	PVC	890.45	09/03/08
RW-12	1/2	F6		HSA	07/22/87	60-120	Alluvium	2	--	PVC	891.01	07/27/09
RW-13	1/2	F8	(4)	HSA	08/11/87	65-75	Bedrock	2	--	PVC	885.57	09/03/08
RW-14	1/2	H7		HSA	07/24/87	54-114	Alluvium	2	--	PVC	888.06	07/27/09
RW-15	1/2	J7		HSA	07/24/87	52-92	Alluvium	2	P	PVC	874.76	NA
RW-16	1/2	G7		HSA	07/28/87	63-73	Alluvium	2	P	SS	888.87	NA
RW-16B	1/2	G7		HSA	02/06/91	103-113	Alluvium	2	P	PVC	889.66	NA
RW-16C	1/2	G7		MR	01/31/91	142.5-152.5	Alluvium	2	P	PVC	890.01	NA
RW-17 (approved for ABND)	1/2	G7		HSA	07/29/87	60-70	Alluvium	2	--	SS	890.24	NA
RW-18 (not found)	1/2	H8	(9)	HSA	07/29/87	62-72	Alluvium	2	--	SS	890.62	NA
RW-19	1/2	G7		HSA	07/30/87	60-70	Alluvium	2	P	SS	888.57	12/01/11
RW-20	1/2	G7		HSA	07/30/87	64-74	Alluvium	2	--	SS	889.43	05/15/95
RW-21	1/2	G6		HSA	07/31/87	63-73	Alluvium	2	--	SS	890.39	02/15/95
RW-22	1/2	G7		HSA	07/31/87	62-72	Alluvium	2	P	SS	887.42	12/01/11
RW-23 (not found)	1/2	H7		HSA	07/31/87	61-71	Alluvium	2	--	SS	890.30	NA
RW-24	1/2	E6		HSA	08/01/87	66-76	Alluvium	2	--	SS	886.52	09/04/08
RW-25 (approved for ABND)	1/2	G3	(4)	HSA	08/13/87	55-65	Bedrock	2	--	PVC	926.22	NA
WW-1	--	--		HSA	08/08/85	30-40	--	2	--	PVC	945.05	10/16/01
WW-2	--	--		HSA	08/10/85	57.5-67.5	--	2	--	PVC	900.53	NA
WW-3	3/4	K5		HSA	07/27/85	63.2-73.2	--	2	--	PVC	891.45	12/12/91
WW-3B	3/4	K5		MR	06/19/89	138.5-148.5	Alluvium	2	--	PVC	888.98	12/12/91
WW-4	--	--		HSA	08/07/85	70-80	--	2	--	PVC	904.18	07/26/06
WW-5	3/4	K4		HSA	08/01/85	69-79	--	2	--	PVC	892.55	09/09/08

TABLE 1

WELL CONSTRUCTION INFORMATION

Well/Piezometer ID (description/comment)	Plume	Grid Coord.	FN	Drilling Method	Completion Date or Year	Screened Interval (ft bgs)	Screened In (description of material)	Screen Diameter (inches)	Well Top Type	Casing/ Screen Material	Top of Casing Elevation (ft MSL)	Date of Abandon- ment
WW-5P	3/4	K4		HSA	10/01/85	104-109	--	2	--	PVC	892.69	09/09/08
WW-6	1/2	I6		HSA	07/31/85	57.8-67.8	--	2	--	PVC	889.46	09/09/08
WW-7	1/2	I4		HSA	08/08/85	15-25	--	2	--	PVC	893.19	09/08/08
WW-8	3/4	J2		HSA	08/01/85	16.75-26.75	--	2	--	PVC	846.94	09/08/08
WW-9	3/4	N3		HSA	08/06/85	74.9-84.9	--	2	--	PVC	901.71	08/19/99
WW-9P	3/4	N3		HSA	07/25/85	105-115	--	2	--	PVC	901.63	08/19/99
WW-10	3/4	J6		HSA	10/02/85	60-70	--	2	--	PVC	889.10	05/07/99
WW-10P	3/4	J6		HSA	10/02/85	91.3-96.3	--	2	--	PVC	889.19	05/07/99
WW-11	5	N6		HSA	09/26/85	36.5-46.5	--	2	--	PVC	901.36	09/05/08
WW-11P	5	N6		HSA	09/30/85	72-77	--	2	--	PVC	901.16	09/05/08
WW-12 (not found)	3/4	J4		HSA	09/27/85	17-27	--	2	--	PVC	892.25	NA
WW-13	4	L5		HSA	10/01/85	67-77	--	2	P	PVC	905.45	11/29/11
WW-14	5	O4		HSA	05/07/85	70-80	--	2	--	PVC	899.72	09/10/08
WW-15	1/2	I8		HSA	10/03/85	53-63	Alluvium	2	P	PVC	882.61	NA
WW-15B	1/2	I8		HSA	02/06/91	95.6-105.6	Alluvium	2	F	PVC	879.97	11/23/11
WW-15C	1/2	I8		MR	02/01/91	137-147	Alluvium	2	F	PVC	879.76	11/23/11
WW-16	1/2	H8		HSA	10/02/86	57-67	--	2	--	PVC	885.63	09/10/08
WW-17	1/2	H5		HSA	10/01/85	13-23	--	2	--	PVC	887.21	09/08/08
WW-18	1/2	I5		HSA	10/01/85	16-26	--	2	--	PVC	890.84	09/08/08
WW-19	3/4	J3		HSA	09/28/85	20-30	--	2	--	PVC	894.02	11/30/11
Hallie Golf Course	--	110th Avenue		--	--	TD = 86	--	6.5	--	--	--	09/05/08
Don & Bonnie Berg	5	11265 16th Ave		--	--	TD = 73.4	--	4	--	--	--	09/09/08

TABLE 1

WELL CONSTRUCTION INFORMATIONNOTES:

Red font in the "Well/Piezometer ID" column indicates the well/piezometer is abandoned or lost/destroyed (139).

Purple font in the "Well/Piezometer ID" column indicates well/piezometer is approved for ABND (six).

Blue font in the "Grid Coord." column indicates well/piezometer not found (13).

Melby Rd. wells MW-62B/C and MW-5A/B and East Disposal Site wells MW-17A, MW-72, and MW-73 were resurveyed by Ayres in December 1998.

Site datum = Mean sea level (MSL).

ABND = Abandonment.

AI = Armco Iron (screen).

AR = Air rotary.

crs S & G = Coarse sand and gravel.

CT = Cable tool.

CW = City production well.

EC = City monitoring well.

EW = NPI extraction well.

F = Flush-mount well.

FN = Footnote (see below).

HSA = Hollow stem auger.

LUST = Leaking underground storage tank.

MR = Mud rotary.

MW = NPI monitoring well.

NA = Not abandoned.

P = Pro top well.

PVC = Polyvinyl chloride.

PW = former NPI petroleum LUST wells PW-1 thru PW-5 on site & for "private well" at the listed residential/commercial locations.

RR = Reverse rotary.

RW = EPA monitoring well.

Screened Interval = Depth in feet below ground surface (ft bgs) of screened interval.

SS = Stainless steel.

TD = Total depth.

WW = WDNR monitoring well.

-- = Not available/not applicable/unknown.

FOOTNOTES:

(1) Approved for ABND but kept by City.

(2) Converted to/replaced by EW-1R in August 1995.

(3) Pre-remedial investigation monitoring well.

(4) Denotes a well screened in sandstone bedrock or both bedrock and alluvium (i.e., sand and gravel glacial outwash).

(5) MW-45A/B/C were inadvertently destroyed in the second half of 2019 by an excavation contractor while site grading.

(6) MW-66A/B/C were changed from stickup to flush-mount wells in Oct. 2017; their measuring point elevations decreased as a result.

(7) MW-70A/B were changed from stickup to flush mount wells in May 2019; their measuring point elevations decreased as a result.

(8) Approved for ABND but kept for water level measurements.

(9) Could be private well PW-6 on the Indianhead property. Hence, PW-6 is not included in Table 1 or shown on Figure 1.

NATIONAL PRESTO INDUSTRIES, INC.  
EAU CLAIRE, WISCONSIN

TABLE 2A

EMISSION THRESHOLD INFO FROM TABLE A IN NR 445.07 FOR DETECTED VOCs IN SVE EXHAUST GAS SAMPLES

Hazardous Air Contaminant	Detected VOCs <sup>(1,2)</sup>			Emission Threshold <sup>(3)</sup>	Time Period for Threshold	Control Requirement <sup>(4)</sup>
	Main Bldg. SVE	MRDS SVE	MW-34/70 Area SVE			
Acetone	X	X	X	Not regulated	na	na
Benzene	X			228	Annual	LAER
2- Butanone (MEK)	X	X	X	Not regulated	na	na
Carbon disulfide	X			124,381	Annual	na
"	X			1.67	24-hr avg	na
Carbon tetrachloride	X			118	Annual	BACT
Chlorobenzene	X			2.47	24-hr avg	na
Chloroethane	X	X		14.2	24-hr avg	na
"	X	X		1,776,876	Annual	na
Chloroform	X			2.62	24-hr avg	na
"	X			77.3	Annual	BACT
Chloromethane	X			5.55	24-hr avg	na
1,1-Dichloroethane	X	X	X	21.7	24-hr avg	na
1,1-Dichloroethene	X			1.06	24-hr avg	na
1,2-Dichloroethene (combined)	X		X	42.6	24-hr avg	na
Ethylbenzene	X	X		23.3	24-hr avg	na
"	X	X		177,688	Annual	na
2-Hexanone	X			1.1	24-hr avg	na
Methylene chloride	X			9.33	24-hr avg	na
"	X			3,781	Annual	BACT
4-Methyl-2-pentanone (Methyl isobutyl ketone)	X			11	24-hr avg	na
Tetrachloroethene	X	X	X	9.11	24-hr avg	na
"	X	X	X	301	Annual	BACT
Toluene	X	X		71,075	Annual	na
"	X	X		10.1	24-hr avg	na
1,1,1-Trichloroethane	X	X	X	Not regulated	na	na
Trichloroethene	X	X	X	888	Annual	BACT
"	X	X	X	14.4	24-hr avg	na
Xylenes (mixtures and isomers, combined)	X	X		23.3	24-hr avg	na

**NOTES:**

Emission thresholds are in lb/hr or lb/yr based on time period shown.

NR 445.07 Table A thresholds are from Wisconsin Administrative Code updated March 2016, and the NR 406.04(2) emission limit for total VOCs is 5.7 lb/hr.

1,2-Dichloroethene = cis-1,2-Dichloroethene and trans-1,2-Dichloroethene concentrations, combined.

Xylenes = m&p-Xylene and o-Xylene concentrations, combined.

BACT = Best available control technology.

LAER = Lowest achievable emission rate.

na = Not applicable.

VOCs = Volatile organic compounds on the USEPA target compound list (TCL).

**FOOTNOTES:**

(1) For MRDS SVE - includes only those TCL VOCs historically detected at or above 0.1 µg/l in one or more samples, as shown.

(2) For MW-34/70 Area SVE - includes only those TCL VOCs historically detected at or above 0.1 µg/l in one or more samples.

(3) Listed thresholds are for emissions from stacks <25 ft high.

(4) Control listed is required if emissions exceed threshold shown, unless other conditions are met.

NATIONAL PRESTO INDUSTRIES, INC.  
EAU CLAIRE, WISCONSIN

TABLE 2B

SUMMARY OF AIR EMISSIONS FROM/TCE REMOVAL BY NPI SVE SYSTEMS (2020-2023)<sup>(1)</sup>

Year	Main Building SVE (operates year round) <sup>(2)</sup>			MRDS SVE <sup>(3)</sup>				MW-34/70 Area SVE (operates seasonally) <sup>(4)</sup>			Combined <sup>(5)</sup>					
	TCE			Total VOCs <sup>(6)</sup>		TCE		Total VOCs <sup>(6)</sup>		TCE			Total VOCs <sup>(7)</sup>		Total VOCs	
	Hourly (lb/hr)	Annual (lb)	Cumulative (lb)	Hourly (lb/hr)	Annual (lb)	Hourly (lb/hr)	Annual (lb)	Hourly (lb/hr)	Annual (lb)	Hourly (lb/hr)	Annual (lb)	Cumulative (lb)	Hourly (lb/hr)	Annual (lb)	Hourly (lb/hr)	Annual (lb)
2020	0.00147	10.6	46.2	0.0016	12.5	NC	NC	0.00037	0.70	0.0013	5.5	213.1	0.0015	6.4	0.0035	19.6
2021	0.00143	9.0	55.2	0.0016	11.0	NC	NC	0.00048	1.06	0.0015	7.2	220.3	0.0018	8.5	0.0039	20.6
2022	0.00100	6.9	62.1	0.0013	9.0	NC	NC	0.00043	0.73	0.0011	4.8	225.1	0.0013	5.6	0.0030	15.3
2023	0.00084	6.3	68.4	0.0010	8.0	NC	NC	0.00038	0.69	0.0010	4.4	229.5	0.0011	5.2	0.0025	13.9

**NOTES:**

The exhaust gas from each of the three SVE systems is discharged directly into the atmosphere through a stack <25 feet high.

SVE system exhaust gas samples were analyzed for the 34 volatile organic compounds (VOCs) on USEPA's target compound list (TCL) through 2015. Starting in 2016, exhaust gas samples were analyzed for:

Trichloroethylene (TCE); 1,1,1-trichloroethane (TCA); tetrachloroethylene (PCE); & 1,1-dichloroethane (DCA) from the main building and MRDS SVE systems.  
TCE from the MW-34/70 Area system.

NC = Not calculated because total VOC emissions are not elevated and, in some years, TCE was not detected in one or more of the quarterly samples collected.

**FOOTNOTES:**

(1) TCE and total VOC hourly rates shown are the maximum estimated rate for each year shown. See Table 2A for compound-specific emission thresholds. The NR 406.04(2) emission limit for total VOCs is 5.7 lb/hr.

(2) The main building SVE system began full-time operation in January 2015.

(3) The MRDS system has operated seasonally (i.e., about six months per year) since December 2016.

(4) The exhaust gas from the MW-34/70 area SVE system is sampled only annually and then typically in August. Consequently, its total mass estimates are biased high. Starting in 2015, the system uses only one unit for SVE.

(5) Combined = Summation of air emissions from the SVE systems that operated during a given year.

(6) Total VOCs for the main building & MRDS SVE systems = Summation of detected TCE, TCA, PCE, & 1,1-DCA starting in 2016.

(7) Total VOCs for the MW-34/70 Area SVE system = TCE/0.85 starting in 2016 based on historical data prior to 2016.

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EAU CLAIRE, WISCONSIN

TABLE 3

2023 WATER LEVEL MEASUREMENTS<sup>(1)</sup>

Well Group/ Well ID	Measuring Point Elevation (ft MSL)	3/21/2023 (Q1)		6/12-14/2023 (Q2)		8/29-30/2023 (Q3)		11/30/2023 (Q4)	
		Depth to Water (ft)	Water Level Elevation (ft MSL)	Depth to Water (ft)	Water Level Elevation (ft MSL)	Depth to Water (ft)	Water Level Elevation (ft MSL)	Depth to Water (ft)	Water Level Elevation (ft MSL)
Southwest Corner to the Eau Claire Municipal Well Field (former Plume 1/2)									
EC-1	813.95	NM	NM	18.82	795.13	20.93	793.02	NM	NM
EC-2	814.44	NM	NM	19.49	794.95	NM	NM	NM	NM
EC-5	813.56	NM	NM	18.90	794.66	NM	NM	NM	NM
EC-6	813.19	NM	NM	18.53	794.66	NM	NM	NM	NM
EW-5	889.90	NM	NM	NM	NM	NM	NM	NM	NM
EW-6	894.89	71.00	823.89	NM	NM	69.56	825.33	69.63	825.26
MW-4A	897.25	69.99	827.26	69.21	828.04	68.60	828.65	68.43	828.82
MW-4B	896.65	69.97	826.68	69.21	827.44	68.59	828.06	68.42	828.23
MW-10A	894.60	66.70	827.90	65.86	828.74	65.49	829.11	65.28	829.32
MW-10B	894.91	67.39	827.52	66.61	828.30	66.01	828.90	65.87	829.04
MW-11A	897.20	71.18	826.02	70.39	826.81	69.83	827.37	69.61	827.59
MW-12A	896.95	snow	snow	69.50	827.45	69.30	827.65	68.71	828.24
MW-23A	895.99	71.80	824.19	71.02	824.97	70.38	825.61	70.22	825.77
MW-23B	895.95	71.51	824.44	70.73	825.22	70.16	825.79	70.15	825.80
MW-34A	895.36	70.08	825.28	69.29	826.07	68.63	826.73	68.43	826.93
MW-34B	895.28	69.97	825.31	69.20	826.08	68.68	826.60	68.37	826.91
MW-34C	895.25	69.85	825.40	69.09	826.16	68.41	826.84	68.27	826.98
MW-35A	888.28	NM	NM	64.65	823.63	NM	NM	NM	NM
MW-35B	888.02	NM	NM	64.41	823.61	NM	NM	NM	NM
MW-37A	885.55	NM	NM	61.12	824.43	NM	NM	NM	NM
MW-37B	885.27	NM	NM	60.85	824.42	NM	NM	NM	NM
MW-38A	884.89	snow	snow	60.53	824.36	59.96	824.93	58.80	826.09
MW-38B	884.82	snow	snow	60.40	824.42	59.75	825.07	59.60	825.22
MW-38C	884.83	snow	snow	60.41	824.42	59.77	825.06	59.65	825.18
MW-41A	884.04	NM	NM	60.70	823.34	NM	NM	NM	NM
MW-41B	883.84	NM	NM	60.52	823.32	NM	NM	NM	NM
MW-43A	885.34	NM	NM	62.21	823.13	NM	NM	NM	NM
MW-43B	885.35	NM	NM	62.20	823.15	NM	NM	NM	NM
MW-49A	883.04	NM	NM	78.81	804.23	NM	NM	NM	NM
MW-49B	883.02	NM	NM	78.79	804.23	NM	NM	NM	NM
MW-51A	884.02	NM	NM	67.65	816.37	NM	NM	NM	NM
MW-51B	883.99	NM	NM	67.59	816.40	NM	NM	NM	NM
MW-52A	884.13	NM	NM	70.05	814.08	NM	NM	NM	NM
MW-52B	884.12	NM	NM	69.98	814.14	NM	NM	NM	NM
MW-53A	887.93	NM	NM	78.95	808.98	NM	NM	NM	NM
MW-53B	888.25	NM	NM	79.03	809.22	NM	NM	NM	NM



TABLE 3

2023 WATER LEVEL MEASUREMENTS<sup>(1)</sup>

Well Group/ Well ID	Measuring Point Elevation (ft MSL)	3/21/2023 (Q1)		6/12-14/2023 (Q2)		8/29-30/2023 (Q3)		11/30/2023 (Q4)	
		Depth to Water (ft)	Water Level Elevation (ft MSL)	Depth to Water (ft)	Water Level Elevation (ft MSL)	Depth to Water (ft)	Water Level Elevation (ft MSL)	Depth to Water (ft)	Water Level Elevation (ft MSL)
MW-54A	882.42	NM	NM	78.00	804.42	NM	NM	NM	NM
MW-54B	882.43	NM	NM	78.05	804.38	NM	NM	NM	NM
MW-54C	882.54	NM	NM	77.97	804.57	NM	NM	NM	NM
MW-55A	881.75	NM	NM	79.79	801.96	NM	NM	NM	NM
MW-55B	882.08	NM	NM	80.16	801.92	NM	NM	NM	NM
MW-55C	881.91	NM	NM	79.89	802.02	NM	NM	NM	NM
MW-61A	879.37	NM	NM	81.10	798.27	NM	NM	NM	NM
MW-61B	879.58	NM	NM	81.22	798.36	NM	NM	NM	NM
MW-68A	896.47	72.31	824.16	71.42	825.05	70.80	825.67	70.65	825.82
MW-68B	896.77	72.54	824.23	71.76	825.01	71.12	825.65	70.95	825.82
MW-69A	898.02	73.86	824.16	73.10	824.92	72.52	825.50	72.35	825.67
MW-69B	898.23	74.05	824.18	73.32	824.91	72.67	825.56	72.51	825.72
MW-70A	893.49	68.56	824.93	67.81	825.68	67.13	826.36	66.95	826.54
MW-70B	893.52	68.63	824.89	67.86	825.66	67.20	826.32	67.00	826.52
MW-74A	896.08	71.61	824.47	70.85	825.23	70.22	825.86	70.02	826.06
MW-74B	895.88	71.86	824.02	70.61	825.27	69.96	825.92	69.75	826.13
MW-75	890.61	59.72	830.89	58.75	831.86	58.45	832.16	58.17	832.44
MW-76A	894.80	70.30	824.50	69.50	825.30	68.93	825.87	68.85	825.95
MW-76B	895.12	70.62	824.50	69.84	825.28	69.23	825.89	69.20	825.92
MW-77A	895.22	70.75	824.47	70.00	825.22	69.38	825.84	69.22	826.00
MW-77B	895.21	70.75	824.46	69.97	825.24	69.35	825.86	69.19	826.02
MW-77C	895.18	70.70	824.48	69.91	825.27	69.32	825.86	69.13	826.05
PW-2	894.46	69.54	824.92	68.81	825.65	(2)	(2)	(2)	(2)
RW-2A	897.18	72.98	824.20	72.21	824.97	71.59	825.59	71.40	825.78
RW-2B	896.78	72.54	824.24	71.75	825.03	71.13	825.65	70.95	825.83
RW-2C	897.57	73.35	824.22	72.61	824.96	71.96	825.61	71.80	825.77
RW-3A	881.78	NM	NM	82.38	799.40	NM	NM	NM	NM
RW-3B	881.48	NM	NM	82.07	799.41	NM	NM	NM	NM
RW-3C	881.30	NM	NM	81.84	799.46	NM	NM	NM	NM
RW-15	874.76	66.36	808.40	65.57	809.19	64.91	809.85	64.79	809.97
RW-16	888.87	NM	NM	67.35	821.52	NM	NM	NM	NM
RW-16B	889.66	NM	NM	68.17	821.49	NM	NM	NM	NM
RW-16C	890.01	NM	NM	68.49	821.52	NM	NM	NM	NM
WW-15	882.61	59.40	823.21	58.63	823.98	58.02	824.59	58.30	824.31
Melby Road Disposal Site Area to Lake Hallie (former Plumes 3/4)									
EW-1R	900.08	NM	NM	NM	NM	NM	NM	NM	NM
EW-2	901.46	NM	NM	75.98	825.48	NM	NM	NM	NM
MW-1	910.26	NM	NM	43.96	866.30	(2)	(2)	(2)	(2)
MW-5A	902.60	NM	NM	76.85	825.75	NM	NM	NM	NM
MW-7	897.73	NM	NM	68.77	828.96	(2)	(2)	(2)	(2)

TABLE 3

2023 WATER LEVEL MEASUREMENTS<sup>(1)</sup>

Well Group/ Well ID	Measuring Point Elevation (ft MSL)	3/21/2023 (Q1)		6/12-14/2023 (Q2)		8/29-30/2023 (Q3)		11/30/2023 (Q4)	
		Depth to Water (ft)	Water Level Elevation (ft MSL)	Depth to Water (ft)	Water Level Elevation (ft MSL)	Depth to Water (ft)	Water Level Elevation (ft MSL)	Depth to Water (ft)	Water Level Elevation (ft MSL)
MW-13A	896.72	NM	NM	69.85	826.87	NM	NM	NM	NM
MW-18	898.38	NM	NM	64.84	833.54	NM	NM	NM	NM
MW-62AR	901.69	NM	NM	76.10	825.59	NM	NM	NM	NM
MW-62B	901.79	NM	NM	76.18	825.61	NM	NM	NM	NM
MW-63A	902.59	NM	NM	76.53	826.06	NM	NM	NM	NM
MW-65A	891.68	NM	NM	66.12	825.56	NM	NM	NM	NM
MW-65B	891.62	NM	NM	66.04	825.58	NM	NM	NM	NM
MW-65C	891.77	NM	NM	66.20	825.57	NM	NM	NM	NM
MW-66A	897.70	NM	NM	72.19	825.51	NM	NM	NM	NM
MW-66B	897.26	NM	NM	NM	NM	NM	NM	NM	NM

NOTE:

NM = Not measured.

FOOTNOTES:

(1) Wells that cannot be located are not shown including MW-46A/B/C, MW-50A/B, MW59A, RW-18, and RW-23.

(2) Abandoned in August 2023.

NATIONAL PRESTO INDUSTRIES, INC.  
EAU CLAIRE, WISCONSIN

TABLE 4

NPI VOC ANALYTICAL RESULTS FROM SWC EXTRACTION WELLS EW-5 AND EW-6 (2020-2023)

Well ID	Sample Date	Sample Method/ MCL/ES/PAL	NPI Volatile Organic Compound (VOC) Concentration (µg/l) and Results Qualifier(s)									
			1,1-DCA	1,1-DCE	PCE	1,1,1-TCA	TCE					
			None/850/85	7/7/0.7	5/5/0.5	200/200/40	5/5/0.5					
EW-5 (extraction well at Grid Coordinate K7) <sup>(1)</sup>												
Not sampled												
EW-6 (extraction well at Grid Coordinate K7) <sup>(2)</sup>												
	03/26/20	G	0.27	U	0.24	U	0.33	U	1.3		<i>0.73</i>	J
	06/08/20	G	0.27	UA	0.24	UA	0.33	UA	1.03	JA	<i>0.75</i>	JA
	08/24/20	G	0.27	UA	0.24	UA	0.33	UA	1.1	A	<i>0.88</i>	JA
	12/02/20	G	0.27	UA	0.24	UA	0.33	UA	0.81	JA	<i>0.74</i>	JA
	03/16/21	G	0.27	UJA	0.24	UA	0.33	UA	1.2	JA	<i>0.82</i>	JA
	05/25/21	G	0.30	UA	0.58	UA	0.41	UA	1.3	A	<i>0.75</i>	JA
	08/31/21	G	0.30	UA	0.58	UA	0.41	UA	0.86	JA	<i>0.98</i>	JA
	11/29/21	G <sup>(2)</sup>	1.55	A	0.58	UA	0.84	JA	1.9	A	<i>2.25</i>	A
	03/24/22	G	0.30	UA	0.58	UA	0.41	UA	0.705	JA	<i>0.78</i>	JA
	06/14/22	G	0.30	U	0.58	U	0.41	U	0.88	J	<i>1.2</i>	
	08/30/22	G	0.30	UA	0.58	UA	0.41	UA	0.60	JA	<i>0.99</i>	JA
	12/05/22	Offline for re-development 11/29/22-12/20/22, as approved by both agencies, so no sample collected										
	03/21/23	G	0.30	UA	0.58	UA	0.41	UA	0.30	UA	0.32	UA
	06/13/23	G	2.0	A	0.58	UA	<i>1.05</i>	A	2.25	A	<i>2.7</i>	A
	08/29/23	G	1.8	A	0.58	UA	<i>1.1</i>	A	3.3	A	<i>2.55</i>	A
	08/30/23	G	1.0		0.58	U	<i>0.69</i>	J	4.6		<i>1.5</i>	
	11/30/23	G	2.9	A	0.58	UA	<i>1.05</i>	A	6.5	A	<i>2.6</i>	A
	12/01/23	G	1.3		0.58	U	0.41	U	2.8		<i>1.3</i>	

**NOTES:**

Concentrations are in micrograms per liter (µg/L)/parts per billion (ppb).

Detected concentrations at or above an applicable NR 140 PAL are in red font and italicized.

Detected concentrations at or above an applicable MCL/NR 140 ES are in red font and bold.

A = Average of original sample and duplicate. Began this approach in 2014.

J = Estimated concentration below laboratory quantitation level.

U = Compound not detected at or above the detection limit, which is the value shown.

**SAMPLE METHOD/LEVEL KEY:**

G = Grab sample collected from sample tap while the extraction well was pumping groundwater.

**FOOTNOTES:**

(1) EW-5 has been shut down since Sept 2015, & NPI stopped sampling the well in 2018, as approved by both agencies.

(2) EW-6 was shut down 01/16/17-04/27/17, 09/01/21-01/17/22, and since 02/23/23, as approved by both agencies.

NATIONAL PRESTO INDUSTRIES, INC.  
EAU CLAIRE, WISCONSIN

TABLE 5

NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 1/2 MONITORING WELLS & PIEZOMETERS (2020-2023)<sup>(1)</sup>

Well ID Sample Date MCL/ES/PAL	Sample Method/ Level	NPI Volatile Organic Compound (VOC) Concentration (µg/l) and Results Qualifier(s)									
		1,1-DCA		1,1-DCE		PCE		1,1,1-TCA		TCE	
		None/850/85		7/7/0.7		5/5/0.5		200/200/40		5/5/0.5	
EC-1 (monitoring well at Grid Coordinate C7)											
6/9/20	M	0.27	UA	0.24	UA	0.33	UA	0.24	UA	0.93	JA
8/31/21	M	0.30	UA	0.58	UA	0.41	UA	0.30	UA	1.23	JA
8/30/22	M	0.30	U	0.58	U	0.41	U	0.30	U	0.84	J
08/30/23	M	0.30	U	0.58	U	0.41	U	0.30	U	0.62	J
EC-6 (monitoring well at Grid Coordinate C7 no longer scheduled for routine sampling)											
6/9/20	M	0.27	U	0.24	U	0.33	U	0.24	U	0.26	U
8/31/21	M	0.30	U	0.58	U	0.41	U	0.30	U	0.32	U
8/30/22	M	0.30	U	0.58	U	0.41	U	0.30	U	0.32	U
MW-4A (monitoring well at Grid Coordinate K7 no longer scheduled for routine sampling)											
11/29/21	M	0.30	U	0.58	U	0.41	U	0.30	U	0.32	U
03/21/23	M	0.30	U	0.58	U	0.41	U	0.30	U	0.32	U
06/12/23	M	0.30	U	0.58	U	0.41	U	0.30	U	0.32	U
08/29/23	M	0.30	U	0.58	U	0.41	U	0.30	U	0.32	U
11/30/23	M	0.30	U	0.58	U	0.41	U	0.30	U	0.32	U
MW-4B (piezometer at Grid Coordinate K7)											
6/8/20	M	0.48	J	0.24	U	0.33	U	0.34	J	0.33	J
5/24/21	M	0.30	U	0.58	U	0.41	U	0.30	U	0.32	U
11/29/21	M	0.30	U	0.58	U	0.41	U	0.30	U	0.32	U
6/13/22	M	0.30	U	0.58	U	0.41	U	0.30	U	0.34	J
03/21/23	M	0.30	U	0.58	U	0.41	U	0.30	U	0.32	U
06/12/23	M	0.30	U	0.58	U	0.41	U	0.30	U	0.32	U
08/29/23	M	0.30	U	0.58	U	0.41	U	0.30	U	0.32	U
11/30/23	M	0.30	U	0.58	U	0.41	U	0.30	U	0.32	U
MW-23A (monitoring well at Grid Coordinate J7)											
6/10/20	M	0.27	U	0.24	U	0.33	U	0.24	U	0.38	J
5/25/21	M	0.30	U	0.58	U	0.41	U	0.30	U	0.43	J
6/14/22	M	0.30	U	0.58	U	0.41	U	0.30	U	0.54	J
06/13/23	M	0.30	U	0.58	U	0.41	U	0.30	U	0.46	J
MW-23B (piezometer at Grid Coordinate J7)											
6/10/20	M	0.27	U	0.24	U	0.33	U	0.24	U	1.8	
5/25/21	M	0.30	U	0.58	U	0.41	U	0.30	U	1.7	
6/14/22	M	0.30	U	0.58	U	0.41	U	0.32	J	1.6	
06/13/23	M	0.30	U	0.58	U	0.41	U	0.30	U	1.6	
MW-34A (monitoring well at Grid Coordinate K8)											
6/8/20	M	0.31	J	0.24	U	0.33	U	0.24	U	0.26	U
12/2/20	M	0.33	J	0.24	U	0.33	U	0.24	U	0.26	U
5/25/21	M	0.30	U	0.58	U	0.41	U	0.30	U	0.32	U
11/29/21	M	0.30	U	0.58	U	0.41	U	0.30	U	0.32	U
6/13/22	M	0.30	U	0.58	U	0.41	U	0.30	U	0.32	U

TABLE 5

 NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 1/2 MONITORING WELLS & PIEZOMETERS (2020-2023)<sup>(1)</sup>

Well ID Sample Date MCL/ES/PAL	Sample Method/ Level	NPI Volatile Organic Compound (VOC) Concentration (µg/l) and Results Qualifier(s)									
		1,1-DCA		1,1-DCE		PCE		1,1,1-TCA		TCE	
		None/850/85		7/7/0.7		5/5/0.5		200/200/40		5/5/0.5	
12/5/22	M	0.30	UA	0.58	UA	0.41	UA	0.30	UA	0.32	UA
06/12/23	M	0.30	U	0.58	U	0.41	U	0.30	U	0.32	U
11/30/23	M	0.30	U	0.58	U	0.41	U	0.30	U	0.32	U
MW-35A (monitoring well at Grid Coordinate I7)											
6/90	NR	1		0.3		0.2	J	2		4	
4/91	NR	0.8		0.3	U	0.3		2		5.0	B,J
4/1/08	NR	0.2	U	0.4	U	0.3	J	1.76		4.06	
10/18/11	M	0.4	U	0.4	U	0.3	U	1	J	2.16	
10/10/12	M	0.75	U	0.57	U	0.45	U	0.9	U	2.8	
7/2/13	M	0.28	U	0.43	U	0.47	U	0.72	J	2.9	
6/18/14	M	0.24	U	0.41	U	0.50	U	0.61	J	2.3	
6/16/15	M	0.24	U	0.41	U	0.50	U	0.50	U	1.6	
6/14/16	M	0.24	U	0.41	U	0.50	U	0.50	U	1.0	
6/14/17	M	0.24	UA	0.41	UA	0.50	UA	0.65	JA	1.9	A
6/19/18	M	0.24	U	0.41	U	0.50	U	0.50	U	1.8	
6/12/19	M	0.27	U	0.24	U	0.33	U	0.37	J	0.97	J
6/9/20	M	0.27	U	0.24	U	0.33	U	0.44	J	1.1	
5/25/21	M	0.30	U	0.58	U	0.41	U	0.30	U	0.98	J
6/14/22	M	0.30	U	0.58	U	0.41	U	0.43	J	0.84	J
06/13/23	M	0.30	U	0.58	U	0.41	U	0.30	U	0.76	J
MW-35B (piezometer at Grid Coordinate I7)											
6/90	NR	0.9		0.2	J	0.2	J	1		3	
7/90	NR	0.9		0.3		0.2	U	2		3	
4/91	NR	1		0.3		0.3		2		3	U
4/1/08	NR	0.4	J	0.4	U	0.3	U	1.58		2.15	
10/18/11	M	0.4	U	0.4	U	0.3	U	0.88	J	1.68	
10/10/12	M	0.75	U	0.57	U	0.45	U	0.90	U	1.6	
7/2/13	M	0.28	U	0.43	U	0.47	U	0.49	J	1.3	
6/18/14	M	0.24	U	0.41	U	0.50	U	0.50	U	1.5	
6/16/15	M	0.24	U	0.41	U	0.50	U	0.50	U	1.3	
6/14/16	M	0.24	U	0.41	U	0.50	U	0.50	U	1.0	
6/14/17	M	0.24	U	0.41	U	0.50	U	0.50	U	1.3	
6/19/18	M	0.24	U	0.41	U	0.50	U	0.50	U	1.1	
6/12/19	M	0.27	U	0.24	U	0.33	U	0.42	J	0.91	J
6/9/20	M	0.27	U	0.24	U	0.33	U	0.38	J	0.96	J
5/25/21	M	0.30	U	0.58	U	0.41	U	0.30	UJ	0.80	J
6/14/22	M	0.30	U	0.58	U	0.41	U	0.40	J	1.0	
06/13/23	M	0.30	U	0.58	U	0.41	U	0.30	U	0.82	J

TABLE 5

 NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 1/2 MONITORING WELLS & PIEZOMETERS (2020-2023)<sup>(1)</sup>

Well ID	Sample Date	Sample Method/ MCL/ES/PAL	NPI Volatile Organic Compound (VOC) Concentration (µg/l) and Results Qualifier(s)									
			1,1-DCA		1,1-DCE		PCE		1,1,1-TCA		TCE	
			None/850/85		7/7/0.7		5/5/0.5		200/200/40		5/5/0.5	
MW-38A (monitoring well at Grid Coordinate I8)												
	4/91	NR	4.0		2.0		0.5		52		7.0	B,J
	12/91	NR	3.0		2.0		0.3		39		5.0	
	7/12/05	NR	0.5	U	0.5	U	0.45	U	0.42	U	1.74	
	10/11/05	NR	0.5	U	0.5	U	0.45	U	0.42	U	1.62	J
	7/25/06	NR	0.5	U	0.5	U	0.71	U	0.42	U	1.33	J
	10/16/06	NR	0.15	U	0.15	U	0.11	J	0.2	U	1.35	
	6/19/07	NR	0.2	U	0.4	U	0.3	U	0.32	J	1.75	
	11/13/07	NR	0.2	U	0.4	U	0.3	U	0.2	U	0.8	
	4/1/08	NR	0.2	U	0.4	U	0.3	U	0.32	J	1.52	
	6/25/08	NR	0.2	U	0.4	U	0.3	U	0.25	J	1.13	J
	12/16/08	NR	0.2	U	0.4	U	0.3	U	0.31	J	1.74	
	7/21/09	NR	0.4	U	0.4	U	0.3	U	0.5	U	1.6	
	12/1/09	L	0.4	U	0.4	U	0.3	U	0.5	U	0.79	J
	6/29/10	M	0.4	U	0.4	U	0.3	U	0.5	U	1.21	J
	10/5/10	M	0.4	U	0.4	U	0.3	U	1.04	J	4.73	
	12/16/10	M	0.4	U	0.4	U	0.3	U	0.5	U	1.33	
	6/7/11	M	0.4	U	0.4	U	0.3	U	0.5	U	0.78	J
	10/18/11	M	0.4	U	0.4	U	0.3	U	0.5	U	2.09	J
	10/15/13	M	0.28	U	0.43	U	0.47	U	0.44	U	2.2	
	6/17/14	M	0.24	U	0.41	U	0.50	U	0.50	U	1.6	
	6/16/15	M	0.24	U	0.41	U	0.50	U	0.50	U	2.0	
	6/13/16	M	0.24	U	0.41	U	0.50	U	0.50	U	2.0	A
	6/13/17	M	0.24	U	0.41	U	0.50	U	0.50	U	2.0	
	6/19/18	M	0.24	U	0.41	U	0.50	U	0.50	U	1.9	
	6/12/19	M	0.27	U	0.24	U	0.33	U	0.26	J	2.0	
	6/8/20	M	0.27	U	0.24	U	0.33	U	0.24	U	1.9	
	5/25/21	M	0.30	U	0.58	U	0.41	U	0.30	U	1.7	
	6/14/22	M	0.30	U	0.58	U	0.41	U	0.30	U	1.3	
	06/13/23	M	0.30	U	0.58	U	0.41	U	0.30	U	1.1	
MW-38B (piezometer at Grid Coordinate I8)												
	4/91	NR	5.0		3.0		1.0		70		11.0	B,J
	12/91	NR	4.0		2.0		0.9		48		10.0	
	7/12/05	NR	0.5	U	0.5	U	0.45	U	0.872	J	5.03	
	10/11/05	NR	0.5	U	0.5	U	0.45	U	0.957	J	4.07	
	7/25/06	NR	0.5	U	0.5	U	0.71	U	0.94	J	3.91	
	10/18/06	NR	0.16	J	0.15	U	0.34	J	0.2	U	5.4	
	3/26/07	NR	0.17	J	0.15	U	0.38	J	0.2	U	5.01	
	6/19/07	NR	0.2	U	0.4	U	0.3	U	0.2	U	4.76	
	9/25/07	NR	0.2	U	0.4	U	0.3	U	1.05		4.46	
	11/13/07	NR	0.2	U	0.4	U	0.3	U	0.96		3.82	
	4/1/08	NR	0.2	J	0.4	U	0.3	U	1.12		4.38	
	6/25/08	NR	0.2	U	0.4	U	0.3	U	0.78		4.06	



TABLE 5

 NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 1/2 MONITORING WELLS & PIEZOMETERS (2020-2023)<sup>(1)</sup>

Well ID Sample Date MCL/ES/PAL	Sample Method/ Level	NPI Volatile Organic Compound (VOC) Concentration (µg/l) and Results Qualifier(s)									
		1,1-DCA		1,1-DCE		PCE		1,1,1-TCA		TCE	
		None/850/85		7/7/0.7		5/5/0.5		200/200/40		5/5/0.5	
9/18/08	NR	0.2	U	0.4	U	0.34	J	1.12		4.74	
12/16/08	NR	0.2	U	0.4	U	0.46	J	0.96		4.68	
3/24/09	LF	0.2	U	0.4	U	0.39	J	1.2		4.69	
3/24/09	H	0.2	U	NA		0.3	U	1.04		4.66	
3/24/09	L	0.62	J	NA		0.3	J	1.5		4.48	
7/21/09	M	0.4	U,CSH	0.4	U	0.3	U	1.22	J	5.04	
9/22/09	M	0.4	U	0.4	U	0.3	U	1.19	J	4.64	
12/1/09	M	0.4	U	0.4	U	0.31	J	1.17	J	4.68	
3/15/10	M	0.4	U	0.4	U	0.37	J	0.81	J	3.84	
6/29/10	M	0.4	U	0.4	U	0.3	J	1.07	J	4.93	
12/16/10	M	0.4	U	0.4	U	0.3	J	1.06	J	5.22	
3/29/11	M	0.4	U	0.4	U	0.34	J	0.9	J	4.46	
6/7/11	M	0.4	U	0.4	U	0.3	U	0.9	J	3.87	
10/18/11	M	0.4	U	0.4	U	0.3	U	0.88	J	4.23	
6/26/12	M	0.75	U	0.57	U	0.45	U	0.9	U	3.7	
12/4/12	M	0.75	U	0.57	U	0.45	U	0.9	U	3.7	
7/2/13	M	0.28	U	0.43	U	0.47	U	0.68	J	4.1	
7/2/13	M	0.28	U	0.43	U	0.47	U	0.75	J	3.8	
12/4/13	M	0.28	U	0.43	U	0.47	U	0.50	J	2.9	
6/17/14	M	0.24	U	0.41	U	0.50	U	0.50	U	3.0	
12/4/14	M	0.24	U	0.41	U	0.50	U	0.50	U	1.8	
6/16/15	M	0.24	U	0.41	U	0.50	U	0.57	J	3.4	
12/8/15	M	0.24	U	0.41	U	0.50	U	0.50	U	3.3	
6/13/16	M	0.24	U	0.41	U	0.50	U	0.79	J	3.7	
12/6/16	M	0.24	U	0.41	U	0.50	U	0.65	J	3.2	
6/13/17	M	0.24	U	0.41	U	0.50	U	0.60	J	3.7	
12/13/17	M	0.24	U	0.41	U	0.50	U	0.54	J	3.0	
6/19/18	M	0.24	U	0.41	U	0.50	U	0.51	J	2.9	
6/12/19	M	0.27	U	0.24	U	0.33	U	0.53	J	3.2	
6/8/20	M	0.27	UA	0.24	UA	0.33	UA	0.45	JA	2.9	A
5/25/21	M	0.30	UA	0.58	UA	0.41	UA	0.49	JA	3.5	A
6/14/22	M	0.30	U	0.58	U	0.41	U	0.52	J	3.1	
06/13/23	M	0.30	U	0.58	U	0.41	U	0.38	J	2.9	
MW-38C (piezometer at Grid Coordinate I8)											
4/91	NR	0.6		0.3	U	0.1	B,J	6.0		3.0	U
12/91	NR	0.2	U	0.3	U	0.3	U	14		4.0	
7/12/05	NR	0.5	U	0.5	U	0.45	U	0.42	U	2.58	
7/25/06	NR	0.5	U	0.5	U	0.71	U	0.49	J	1.99	
10/18/06	NR	0.17	J	0.15	U	0.16	J	0.2	U	2.59	
3/26/07	NR	0.18	J	0.15	U	0.14	J	0.2	U	2.52	
9/25/07	NR	0.2	U	0.4	U	0.3	U	0.35	J	2.33	
11/13/07	NR	0.2	U	0.4	U	0.3	U	0.3	J	2.1	
6/25/08	NR	0.2	U	0.4	U	0.3	U	0.36	J	2.27	

TABLE 5

 NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 1/2 MONITORING WELLS & PIEZOMETERS (2020-2023)<sup>(1)</sup>

Well ID Sample Date MCL/ES/PAL	Sample Method/ Level	NPI Volatile Organic Compound (VOC) Concentration (µg/l) and Results Qualifier(s)									
		1,1-DCA		1,1-DCE		PCE		1,1,1-TCA		TCE	
		None/850/85		7/7/0.7		5/5/0.5		200/200/40		5/5/0.5	
12/16/08	NR	0.2		0.4	U	0.3	U	0.43	J	3.16	
7/21/09	M	0.4	U,CSH	0.4	U	0.3	U	1	U	3.01	
12/1/09	M	0.4	U	0.4	U	0.3	U	1	U	2.73	
6/9/10	M	0.4	U	0.4	U	0.3	U	1	U	2.59	
12/16/10	M	0.4	U	0.4	U	0.3	U	1	U	2.56	
6/7/11	M	0.4	U	0.4	U	0.3	U	1	U	2.35	
10/18/11	M	0.4	U	0.4	U	0.3	U	1	U	1.92	
7/2/13	M	0.28	U	0.43	U	0.47	U	0.44	U	1.6	
6/17/14	M	0.24	U	0.41	U	0.50	U	0.50	U	2.2	
6/16/15	M	0.24	U	0.41	U	0.50	U	0.50	U	1.5	
6/13/16	M	0.24	U	0.41	U	0.50	U	0.50	U	1.5	
6/13/17	M	0.24	U	0.41	U	0.50	U	0.50	U	1.4	
6/19/18	M	0.24	U	0.41	U	0.50	U	0.50	U	1.5	
6/12/19	M	0.27	U	0.24	U	0.33	U	0.24	U	1.7	
6/8/20	M	0.27	U	0.24	U	0.33	U	0.24	U	1.4	
5/25/21	M	0.30	U	0.58	U	0.41	U	0.30	U	1.4	
6/14/22	M	0.30	U	0.58	U	0.41	U	0.30	U	1.2	
06/13/23	M	0.30	U	0.58	U	0.41	U	0.30	U	0.83	J
MW-41A (monitoring well at Grid Coordinate H8)											
10/15/85	NR		NA		NA		NA		NA	5	
4/22/91	NR	2		2		0.5		41		8	J
12/16/91	NR	2		1		0.4		32		8	
6/15/92	NR		NA		NA		NA		NA	8	
6/20/92	NR		NA		NA		NA		NA	8	
7/15/92	NR		NA		NA		NA		NA	8	
6/15/95	NR		NA		NA		NA		NA	4	
3/16/98	NR		NA		NA		NA		NA	5.08	
4/16/99	NR	0.461	CSH,J,MSH	0.2	U	0.373	J,Dup	1.79		4.98	CSH
10/7/99	NR	0.685	Dup	0.15	U	0.321	J	2.08	Dup	6.76	
5/23/00	NR	0.223	J	0.15	U,CSH	0.213	J	0.938		3.67	
10/12/00	NR	0.363	J	0.15	U	0.29	J	1.6		4.82	
5/9/01	NR	0.15	U	0.15	U	0.227	J	0.794		3.5	
10/18/01	NR	0.38	U	0.38	U	0.26	U	0.36	J	3.63	
4/22/02	NR	0.36	U	0.4	U,SPL	0.32	U,SPL	0.483	J	3.08	
10/23/02	NR	0.36	U	0.39	U	0.32	U	0.781	J	3.66	
4/9/03	NR	0.36	U	0.39	U	0.32	U	0.42	U	3.53	
10/8/03	NR	0.36	U	0.39	U	0.32	U	0.618	J	3.3	
4/13/04	NR	0.5	U	0.5	U	0.45	U	0.497	J	2.98	
10/19/04	NR	0.5	U	0.5	U	0.45	U	0.572	J	3.28	
4/12/05	NR	0.5	U	0.5	U	0.45	U	0.428	J	3.02	
10/11/05	NR	0.5	U	0.5	U	0.485	J	0.436	J	3.52	
4/18/06	NR	0.5	U	0.5	U	0.45	U	0.911	J	3.7	
10/18/06	NR	0.15	U,CSL	0.15	U	0.32	J	0.55	J	2.92	

TABLE 5

 NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 1/2 MONITORING WELLS & PIEZOMETERS (2020-2023)<sup>(1)</sup>

Well ID Sample Date MCL/ES/PAL	Sample Method/ Level	NPI Volatile Organic Compound (VOC) Concentration (µg/l) and Results Qualifier(s)									
		1,1-DCA		1,1-DCE		PCE		1,1,1-TCA		TCE	
		None/850/85		7/7/0.7		5/5/0.5		200/200/40		5/5/0.5	
6/20/07	NR	0.2	U	0.4	U	0.56	J	0.69		3.57	
11/13/07	NR	0.2	U	0.4	U	0.33	J	0.57	J	3.02	
6/25/08	NR	0.2	U	0.4	U	0.3	U	0.7		3.63	
12/16/08	NR	0.2	U	0.4	U	0.42	J	0.6	J	3.68	
3/25/09	LF	0.2	U	0.4	U	0.31	J	0.37	J	2.55	
3/25/09	L	0.2	U	NA		0.41	J	0.47	J	3.51	
7/21/09	L	0.4	U	0.4	U	0.3	U	0.5	U	2.13	
12/1/09	L	0.4	U	0.4	U	0.41	J	0.5	U	2.88	
6/29/10	M	0.4	U	0.4	U	0.3	U	0.5	U	2.84	
3/29/11	M	0.4	U	0.4	U	0.38		0.53	J	3.47	
6/7/11	M	0.4	U	0.4	U	0.34	J	0.5	U	3.13	
10/18/11	M	0.4	U	0.4	U	0.3	U	0.5	U	3.19	
10/10/12	M	0.75	U	0.57	U	0.45	U	0.90	U	2.6	
7/2/13	M	0.28	U	0.43	U	0.47	U	0.44	U	3.2	
6/18/14	M	0.24	U	0.41	U	0.50	U	0.50	U	2.8	
6/17/15	M	0.24	U	0.41	U	0.50	U	0.50	U	2.7	
6/14/16	M	0.24	U	0.41	U	0.50	U	0.50	U	2.1	
6/13/17	M	0.24	U	0.41	U	0.50	U	0.50	U	2.5	
6/19/18	M	0.24	U	0.41	U	0.50	U	0.50	U	2.5	
6/11/19	M	0.27	U	0.24	U	0.33	U	0.24	U	2.3	
6/10/20	M	0.27	U	0.24	U	0.33	U	0.24	U	2.1	
5/25/21	M	0.30	U	0.58	U	0.41	U	0.30	UJ	2.0	J
6/14/22	M	0.30	U	0.58	U	0.41	U	0.30	UJ	2.3	
06/14/23	M	0.30	U	0.58	U	0.41	U	0.30	U	2.2	
MW-41B (piezometer at Grid Coordinate H8)											
10/15/85	NR		NA		NA		NA		NA	5	
4/22/91	NR	1		0.4		0.3		9		7	J
12/16/91	NR	0.9		0.2	U	0.2	J	5		5	
6/15/92	NR		NA		NA		NA		NA	5	
6/20/92	NR		NA		NA		NA		NA	5	
7/15/92	NR		NA		NA		NA		NA	5	
6/15/95	NR		NA		NA		NA		NA	4	
3/16/98	NR		NA		NA		NA		NA	1.89	
4/16/99	NR	1.13		0.2	U	0.254	J	2		3.79	CSH
10/7/99	NR	1.5	Dup	0.15	U	0.255	J	2.28	Dup	5.78	
5/23/00	NR	0.545		0.15	U,CSH	0.206	J	0.873		2.16	
10/12/00	NR	0.28	J	0.15	U	0.15	U	0.619		1.23	
5/9/01	NR	0.15	U	0.15	U	0.15	U	0.15	U	0.56	J
10/18/01	NR	0.38	U	0.38	U	0.26	U	0.586	J	3.64	
4/22/02	NR	0.36	U	0.39	U,SPL	0.32	U,SPL	0.488	J	2.87	
10/23/02	NR	0.36	U	0.39	U	0.32	U	1.1	J	3.64	
4/9/03	NR	0.36	U	0.39	U	0.32	U	0.42	U	3.5	
10/8/03	NR	0.36	U	0.39	U	0.32	U	0.748	J	3.53	

TABLE 5

 NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 1/2 MONITORING WELLS & PIEZOMETERS (2020-2023)<sup>(1)</sup>

Well ID Sample Date MCL/ES/PAL	Sample Method/ Level	NPI Volatile Organic Compound (VOC) Concentration (µg/l) and Results Qualifier(s)									
		1,1-DCA		1,1-DCE		PCE		1,1,1-TCA		TCE	
		None/850/85		7/7/0.7		5/5/0.5		200/200/40		5/5/0.5	
4/13/04	NR	0.5	U	0.5	U	0.45	U	0.651	J	3.57	
10/19/04	NR	0.5	U	0.5	U	0.45	U	0.615	J	3.53	
4/12/05	NR	0.5	U	0.5	U	0.45	U	0.42	U	3.53	
10/11/05	NR	0.5	U	0.5	U	0.45	U	0.457	J	3.69	
4/18/06	NR	0.5	U	0.5	U	0.45	U	0.9	J	3.89	
10/18/06	NR	0.15	U,CSL	0.15	U	0.1	U	0.52	J	3.19	
6/20/07	NR	0.2	J	0.4	U	0.3	U	0.68		3.62	
11/13/07	NR	0.2	J	0.4	U	0.3	U	0.57	J	2.95	
6/25/08	NR	0.2	U	0.4	U	0.3	U	0.66	J	3.97	
12/16/08	NR	0.2	U	0.4	U	0.44	J	0.63	J	3.86	
7/21/09	M	0.4	U	0.4	U	0.3	U	0.5	U	3.07	
12/1/09	M	0.4	U	0.4	U	0.3	U	0.56	J	3.44	
6/29/10	M	0.4	U	0.4	U	0.3	U	0.58	J	3.77	
3/29/11	M	0.4	U	0.4	U	0.3	U	0.6	J	2.97	
6/7/11	M	0.4	U	0.4	U	0.3	U	0.53	J	2.81	
10/18/11	M	0.4	U	0.4	U	0.3	U	0.5	U	3.07	
10/10/12	M	0.75	U	0.57	U	0.45	U	0.9	U	2.7	
7/2/13	M	0.28	U	0.43	U	0.47	U	0.47	J	2.7	
6/18/14	M	0.24	U	0.41	U	0.50	U	0.5	U	3	
6/17/15	M	0.24	U	0.41	U	0.50	U	0.50	U	2.7	
6/14/16	M	0.24	U	0.41	U	0.50	U	0.50	U	2.3	
6/13/17	M	0.24	UA	0.41	UA	0.50	UA	0.50	UA	2.4	A
6/19/18	M	0.24	U	0.41	U	0.50	U	0.50	U	2.4	
6/11/19	M	0.27	U	0.24	U	0.33	U	0.24	U	1.8	
6/10/20	M	0.27	U	0.24	U	0.33	U	0.26	J	2.3	
5/25/21	M	0.30	U	0.58	U	0.41	U	0.30	UJ	2.2	J
6/14/22	M	0.30	U	0.58	U	0.41	U	0.30	U	2.5	
06/14/23	M	0.30	U	0.58	U	0.41	U	0.30	U	2.3	
MW-43A (monitoring well at Grid Coordinate H7)											
10/15/85	NR		NA		NA		NA		NA	5	
4/19/91	NR	0.5		0.3	U	0.4		3		7	J
12/16/91	NR	0.6		0.2	U	0.2	J	3		6	
6/15/92	NR		NA		NA		NA		NA	6	
6/20/92	NR		NA		NA		NA		NA	6	
7/15/92	NR		NA	1	U		NA	1	U	6	
6/15/95	NR		NA		NA		NA		NA	5	
7/27/95	NR	2	J		NA		NA	4	J	5	J
1/10/96	NR		NA		NA		NA		NA	5	
3/16/98	NR		NA		NA		NA		NA	3.8	
4/16/99	NR	2.68	CSH,MSH	0.227	J,MSH	0.276	J,Dup	4.72		4.36	CSH
10/7/99	NR	2.78		0.161	J,MSH	0.158	J,MSL	4.95		3.72	
5/23/00	NR	2.49		0.282	J,CSH	0.18	J	4.03		3.75	
10/12/00	NR	1.04		0.207	J	0.28	J	7.37		4.87	

TABLE 5

 NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 1/2 MONITORING WELLS & PIEZOMETERS (2020-2023)<sup>(1)</sup>

Well ID Sample Date MCL/ES/PAL	Sample Method/ Level	NPI Volatile Organic Compound (VOC) Concentration (µg/l) and Results Qualifier(s)									
		1,1-DCA		1,1-DCE		PCE		1,1,1-TCA		TCE	
		None/850/85		7/7/0.7		5/5/0.5		200/200/40		5/5/0.5	
5/9/01	NR	1.56		0.15	U	0.178	J	3.15		3.0	
10/18/01	NR	0.68	J	0.38	U	0.26	U	1.98		3.41	
4/22/02	NR	0.36	U	0.39	U,SPL	0.32	U,SPL	1.51		2.6	
10/23/02	NR	0.808	J	0.39	U	0.32	U	2.67		3.3	
4/9/03	NR	0.36	U	0.39	U	0.32	U	0.981	J	3.08	
10/8/03	NR	0.63	J	0.39	U	0.32	U	2.2		3.46	
4/13/04	NR	0.5	U	0.5	U	0.45	U	1.69		3.02	
10/19/04	NR	0.602	J	0.5	U	0.45	U	1.55		3.04	
4/12/05	NR	0.5	U	0.5	U	0.45	U	1.21	J	2.92	
10/11/05	NR	0.5	U	0.5	U	0.45	U	1.04	J	3.46	
4/18/06	NR	0.5	U	0.5	U	0.45	U	1.61		3.65	
10/18/06	NR	0.41	J	0.16	J	0.3	J	0.2	U	3.9	
6/20/07	NR	0.31	J	0.4	U	0.3	U	1.36		3.8	
11/13/07	NR	0.2	U	0.4	U	0.3	U	0.98		2.96	
6/25/08	NR	0.2	U	0.4	U	0.3	U	0.89		2.9	
12/16/08	NR	0.2	U	0.4	U	0.3	U	0.88		3.55	
7/21/09	L	0.4	U,CSH	0.4	U	0.3	U	1.51	J	4.18	
12/1/09	L	0.4	U	0.4	U	0.3	U	1.52	J	4.15	
6/29/10	M	0.4	U	0.4	U	0.3	U	1.43	J	4.8	
3/29/11	M	0.4	U	0.4	U	0.3	U	0.77	J	3.87	
6/7/11	M	0.4	U	0.4	U	0.3	U	0.87	J	3.45	
10/18/11	M	0.4	U	0.4	U	0.3	U	0.86	J	3.6	
10/10/12	M	0.75	U	0.57	U	0.45	U	0.90	U	3.3	
7/2/13	M	0.28	U	0.43	U	0.47	U	0.88	J	3.6	
6/18/14	M	0.24	U	0.41	U	0.50	U	0.63	J	2.9	
6/17/15	M	0.24	U	0.41	U	0.50	U	0.50	U	2.7	
6/14/16	M	0.24	U	0.41	U	0.50	U	0.50	U	1.7	
6/13/17	M	0.24	U	0.41	U	0.50	U	0.50	U	2.5	
6/19/18	M	0.24	U	0.41	U	0.50	U	0.54	J	3.6	
6/11/19	M	0.27	U	0.24	U	0.33	U	0.30	J	1.7	
6/10/20	M	0.27	U	0.24	U	0.33	U	0.51	J	2.2	
5/25/21	M	0.30	U	0.58	U	0.41	U	0.30	UJ	1.7	J
6/14/22	M	0.30	U	0.58	U	0.41	U	0.47	J	2.3	
06/14/23	M	0.30	U	0.58	U	0.41	U	0.30	U	1.8	
MW-43B (piezometer at Grid Coordinate H7)											
10/15/85	NR		NA		NA		NA		NA	4.7	
4/23/91	NR	1		0.3		0.3		2		5.0	U
12/16/91	NR	1		0.3		0.2	J	3		4	
6/15/92	NR		NA		NA		NA		NA	4	
6/20/92	NR		NA		NA		NA		NA	4	
7/15/92	NR		NA		NA		NA		NA	4	
6/15/95	NR		NA		NA		NA		NA	2	
7/27/95	NR	4	J	0.3	J		NA	6	J	2	J

TABLE 5

 NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 1/2 MONITORING WELLS & PIEZOMETERS (2020-2023)<sup>(1)</sup>

Well ID	Sample Date	Sample Method/ MCL/ES/PAL	Sample Level	NPI Volatile Organic Compound (VOC) Concentration (µg/l) and Results Qualifier(s)									
				1,1-DCA		1,1-DCE		PCE		1,1,1-TCA		TCE	
				None/850/85		7/7/0.7		5/5/0.5		200/200/40		5/5/0.5	
3/16/98	NR		NR	NA		NA		NA		NA	1.01		
4/16/99	NR	9.52	NR	CSH,MSH	1.11	MSH	0.38	J,Dup	15.3		3.57	CSH	
10/7/99	NR	9.16	NR		1.1		0.304	J,MSL	15.3		2.93		
5/23/00	NR	6.35	NR		0.92	CSH	0.263	J	8.27		2.19		
10/12/00	NR	1.57	NR		0.15	U	0.15	U	2.39		0.73		
5/9/01	NR	0.371	NR	J	0.15	U	0.15	U	0.718		0.4	U	
10/18/01	NR	3.01	NR		0.38	U	0.313	J	5.37		2.63		
4/22/02	NR	2.35	NR		0.39	U,SPL	0.32	U,SPL	6		1.81		
10/23/02	NR	3.37	NR		0.39	U	0.33	J,Dup	6.38		2.49		
4/9/03	NR	1.06	NR	J	0.39	U	0.32	U	3.77		2.24		
10/8/03	NR	2.34	NR		0.39	U	0.32	U	4.61		2.43		
4/13/04	NR	1.86	NR		0.5	U	0.45	U	0.42	U	2.27		
10/19/04	NR	1.97	NR		0.5	U	0.45	U	3.9		2.62		
4/12/05	NR	1.27	NR	J	0.5	U	0.45	U	2.91		2.44		
10/11/05	NR	1.18	NR	J	0.5	U	0.45	U	2.84		2.74		
4/18/06	NR	1.44	NR	J	0.5	U	0.45	U	2.77		3.13		
10/18/06	NR	1	NR		0.5		0.32	J	2.79		3.05		
6/20/07	NR	0.67	NR		0.44	J	0.3	U	2.09		2.55		
11/13/07	NR	0.53	NR	J	0.4	U	0.3	U	1.79		2.23		
6/25/08	NR	0.49	NR	J	0.4	U	0.3	U	1.91		2.75		
12/16/08	NR	0.42	NR	J	0.76		0.3	U	1.66		2.63		
7/21/09	M	0.59	M	J,CSH	1	U	0.3	U	0.165	J	2.56		
12/1/09	M	0.46	M	J	0.4	J	0.3	U	1.5	J	2.69		
6/29/10	M	0.47	M	J	0.4	U	0.3	U	1.5	J	2.95		
3/29/11	M	0.4	M	U	0.4	U	0.3	U	1.22	J	2.25		
6/7/11	M	0.4	M	U	0.4	U	0.3	U	0.95	J	1.92		
10/18/11	M	0.4	M	U	0.4	U	0.3	U	1.15	J	2.47		
10/10/12	M	0.75	M	U	0.57	U	0.45	U	0.9	U	2.2		
7/2/13	M	0.28	M	U	0.43	U	0.47	U	0.82	J	2.3		
6/18/14	M	0.24	M	U	0.41	U	0.50	U	0.58	J	1.9		
6/17/15	M	0.24	M	U	0.41	U	0.50	U	0.50	U	2.2		
6/14/16	M	0.24	M	U	0.41	U	0.50	U	0.54	J	2.0		
6/13/17	M	0.24	M	U	0.41	U	0.50	U	0.54	J	1.7		
6/19/18	M	0.24	M	U	0.41	U	0.50	U	0.50	U	1.5		
6/11/19	M	0.27	M	UA	0.24	UA	0.33	UA	0.35	JA	1.35	A	
6/10/20	M	0.27	M	U	0.24	U	0.33	U	0.44	J	1.3		
5/25/21	M	0.30	M	U	0.58	U	0.41	U	0.30	UJ	1.1	J	
6/14/22	M	0.30	M	UA	0.58	UA	0.41	UA	0.45	JA	1.35	A	
06/14/23	M	0.30	M	U	0.58	U	0.41	U	0.30	J	1.3		
MW-49A (monitoring well at Grid Coordinate D6)													
5/26/21	M	0.30	M	U	0.58	U	0.41	U	0.30	U	0.41	J	
06/13/23	M	0.30	M	U	0.58	U	0.41	U	0.30	U	0.32	J	

TABLE 5

 NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 1/2 MONITORING WELLS & PIEZOMETERS (2020-2023)<sup>(1)</sup>

Well ID	Sample Date	Sample Method/ MCL/ES/PAL	NPI Volatile Organic Compound (VOC) Concentration (µg/l) and Results Qualifier(s)									
			1,1-DCA		1,1-DCE		PCE		1,1,1-TCA		TCE	
			None/850/85		7/7/0.7		5/5/0.5		200/200/40		5/5/0.5	
MW-49B (piezometer at Grid Coordinate D6 no longer scheduled for routine sampling)												
	5/26/21	M	0.30	U	0.58	U	0.41	U	0.30	U	0.32	U
MW-51A (monitoring well at Grid Coordinate F6 no longer scheduled for routine sampling)												
	5/26/21	M	0.30	U	0.58	U	0.41	U	0.30	U	0.32	U
MW-51B (piezometer at Grid Coordinate F6)												
	12/91	NR	0.5		0.3		0.2	U	5		3	
	4/2/08	NR	0.3	J	0.4	U	0.36	J	1.49		5.26	
	10/5/10	M	0.4	U	0.4	U	0.3	U	0.84	J	5.23	
	10/18/11	M	0.4	U	0.4	U	0.3	U	0.89	J,DUP	5.68	
	10/10/12	M	0.75	U	0.57	U	0.45	U	0.9	U	5.50	
	6/19/14	M	0.24	U	0.41	U	0.50	U	0.58	J	4.00	
	6/16/15	M	0.24	U	0.41	U	0.50	U	0.50	U	4.5	
	6/15/16	M	0.24	U	0.41	U	0.50	U	0.51	J	4.5	
	6/13/17	M	0.24	UA	0.41	UA	0.50	UA	0.50	UA	4.2	A
	6/20/18	M	0.24	U	0.41	U	0.50	U	0.50	U	4.0	
	6/11/19	M	0.27	U	0.24	U	0.34	J	0.49	J	3.6	
	6/11/20	M	0.27	U	0.24	U	0.33	U	0.38	J	3.5	
	5/26/21	M	0.30	U	0.58	U	0.41	U	0.40	J	3.0	
	6/15/22	M	0.30	U	0.58	U	0.41	U	0.37	J	3.6	
	06/13/23	M	0.30	U	0.58	U	0.41	U	0.30	U	3.2	
MW-52A (monitoring well at Grid Coordinate F6)												
	12/91	NR	3		2		1		48		11	
	4/2/08	NR	0.2	U	0.4	U	0.52	J	0.93		4.45	
	10/18/11	M	0.4	U	0.4	U	0.54	J	0.62	J	4.00	
	10/10/12	M	0.75	U	0.57	U	0.46	J	0.90	U	3.6	
	6/19/14	M	0.24	U	0.41	U	0.50	U	0.51	J	3.6	
	6/16/15	M	0.24	U	0.41	U	0.50	U	0.51	J	3.0	
	6/14/16	M	0.24	U	0.41	U	0.50	U	0.50	U	4.4	
	6/13/17	M	0.24	U	0.41	U	0.50	U	0.50	U	3.7	
	6/20/18	M	0.24	U	0.41	U	0.50	U	0.50	U	3.2	
	6/11/19	M	0.27	U	0.24	U	0.35	J	0.24	U	2.5	
	6/11/20	M	0.27	UA	0.24	UA	0.33	UA	0.38	JA	2.85	A
	5/26/21	M	0.30	UA	0.58	UA	0.41	UA	0.31	JUA	3.0	A
	6/15/22	M	0.30	UA	0.58	UA	0.41	UA	0.365	JA	3.15	A
	06/13/23	M	0.30	UA	0.58	UA	0.41	UA	0.30	UA	2.9	A



TABLE 5

 NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 1/2 MONITORING WELLS & PIEZOMETERS (2020-2023)<sup>(1)</sup>

Well ID	Sample Date	Sample Method/ MCL/ES/PAL	NPI Volatile Organic Compound (VOC) Concentration (µg/l) and Results Qualifier(s)										
			1,1-DCA			1,1-DCE		PCE		1,1,1-TCA		TCE	
			None/850/85			7/7/0.7		5/5/0.5		200/200/40		5/5/0.5	
MW-52B (piezometer at Grid Coordinate F6)													
	12/91	NR	3		2		0.3		34		11		
	4/2/08	NR	0.2	U	0.4	U	0.2	J	1.04		5.01		
	3/25/09	LF	0.2	J	0.4	U	0.37	J	0.79		5.17		
	3/25/09	H	0.28	J	NA		0.33	J	1.21		5.31		
	3/25/09	L	0.4	U	NA		0.36	J	1.92		5.64		
	10/5/10	M	0.4	U,S1H, S2H,DUP	0.4	U,S2H,DUP	0.3	U,S2H,DUP	0.5	U,S1H, S2H,DUP	1.29	J,S1H, S2H,DUP	
	10/18/11	M	0.4	U	0.4	U	0.3	U	0.5	U	0.48	J	
	10/10/12	M	0.75	U	0.57	U	0.46	J	0.9	U	0.48	U	
	6/19/14	M	0.24	U	0.41	U	0.50	U	0.50	U	0.37	JA	
	6/16/15	M	0.24	UA	0.41	UA	0.50	UA	0.50	UA	3.35	A	
	6/14/16	M	0.24	U	0.41	U	0.50	U	0.50	U	0.37	J	
	6/13/17	M	0.24	U	0.41	U	0.50	U	0.51	J	5.0		
	6/20/18	M	0.24	U	0.41	U	0.50	U	0.50	U	3.5		
	6/11/19	M	0.27	U	0.24	U	0.33	U	0.46	J	3.8		
	6/11/20	M	0.27	U	0.24	U	0.33	U	0.36	J	2.7		
	5/26/21	M	0.30	U	0.58	U	0.41	U	0.37	J	3.0		
	6/15/22	M	0.30	U	0.58	U	0.41	U	0.30	U	3.3		
	06/12/23	M	0.30	U	0.58	U	0.41	U	0.30	U	3.0		
MW-53A (monitoring well at Grid Coordinate E6)													
	6/11/19	M	0.27	U	0.24	U	0.33	U	0.24	U	1.7		
	5/26/21	M	0.30	U	0.58	U	0.41	U	0.30	U	1.5		
	06/13/23	M	0.30	U	0.58	U	0.41	U	0.30	U	1.6		
MW-53B (piezometer at Grid Coordinate E6)													
	10/15/85	NR		NA		NA		NA		NA	10		
	12/13/91	NR	4		2		0.4		36		12		
	6/15/92	NR		NA		NA		NA		NA	12		
	6/20/92	NR		NA		NA		NA		NA	12		
	7/15/92	NR		NA		NA		NA		NA	12		
	6/15/95	NR		NA		NA		NA		NA	2		
	7/27/95	NR	0.4	J		NA		NA	4	J	2	J	
	3/16/98	NR		NA		NA		NA		NA	5.52		
	4/15/99	NR	1.41	CSH	0.244	J	0.415	J	4.34		5.84	MSH	
	10/7/99	NR	1.35	Dup	0.196	J	0.224	J	3.51	Dup	6.16		
	5/23/00	NR	0.514		0.15	U	0.15	U	1.75		3.57		
	10/12/00	NR	0.15	U,CSH,SPH	0.15	U	0.15	U	0.445	J	1.14	J	
	5/10/01	NR	0.15	U	0.15	U	0.15	U	0.199	J	0.74	J	
	10/17/01	NR	0.38	U	0.38	U	0.26	U	0.2	U	0.82	J	
	4/22/02	NR	0.36	U	0.4	U,SPL	0.32	U,SPL	0.899	J	3.76		
	10/24/02	NR	0.36	U	0.39	U	0.32	U	1.42		4.68		
	4/10/03	NR	0.36	U	0.39	U	0.32	U	0.463	J	4.44		
	10/8/03	NR	0.38	J	0.195	J	0.16	J	1.4		5.3		

TABLE 5

 NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 1/2 MONITORING WELLS & PIEZOMETERS (2020-2023)<sup>(1)</sup>

Well ID Sample Date MCL/ES/PAL	Sample Method/ Level	NPI Volatile Organic Compound (VOC) Concentration (µg/l) and Results Qualifier(s)									
		1,1-DCA		1,1-DCE		PCE		1,1,1-TCA		TCE	
		None/850/85		7/7/0.7		5/5/0.5		200/200/40		5/5/0.5	
4/14/04	NR	0.5	U	0.5	U	0.45	U	0.919		4.08	
7/15/04	NR	0.5	U	0.5	U	0.45	U	1.18	J	5.08	
10/21/04	NR	0.5	U	0.5	U	0.45	U	0.862	J	4.47	
4/12/05	NR	0.5	U	0.5	U	0.45	U	0.657	J	3.94	
7/12/05	NR	0.5	U	0.5	U	0.45	U	0.592	J	3.4	
10/11/05	NR	0.5	U	0.5	U	0.45	U	0.586	J	4.26	
4/18/06	NR	0.5	U	0.5	U	0.45	U	0.855	J	5.00	
7/26/06	NR	0.5	U	0.5	U	0.71	U	0.75	J	3.51	
10/18/06	NR	0.15	U,CSL	0.15	U	0.1	U	0.58	J	3.26	
3/27/07	NR	0.2	U	0.4	U	0.3	U	0.2	U	3.93	
6/20/07	NR	0.2	U	0.4	U	0.3	U	0.77		3.78	
9/25/07	NR	0.2	U	0.4	U	0.3	U	0.68		3.42	
11/14/07	NR	0.2	U	0.4	U	0.3	U	0.49	J	2.96	
6/26/08	NR	0.2	U	0.4	U	0.3	U	0.62	J	3.73	
12/16/08	NR	0.2	U	0.4	U	0.3	U	0.7	J	3.5	
7/22/09	M	0.4	U	0.4	U	0.3	U	0.51	J	3.32	
12/1/09	M	0.4	U	0.4	U	0.3	U	0.67	J	3.74	
6/30/10	M	0.4	U	0.4	U	0.3	J	0.52	J	3.93	
3/29/11	M	0.4	U	0.4	U	0.3	J	0.5	U	3.52	
6/8/11	M	0.4	U	0.4	U	0.3	J	0.51	J	3.64	
10/18/11	M	0.4	U	0.4	U	0.3	U	0.54	J	3.55	
10/10/12	M	0.75	U	0.57	U	0.45	U	0.9	U	1.6	
10/16/13	M	0.28	U	0.43	U	0.47	U	0.44	U	3.3	
6/19/14	M	0.24	U	0.41	U	0.50	U	0.50	U	2.8	
6/16/15	M	0.24	U	0.41	U	0.50	U	0.50	U	3.7	
6/14/16	M	0.24	U	0.41	U	0.50	U	0.50	U	0.8	J
6/13/17	M	0.24	U	0.41	U	0.50	U	0.50	U	4.1	
6/20/18	M	0.24	U	0.41	U	0.50	U	0.50	U	3.4	
6/11/19	M	0.27	U	0.24	U	0.33	U	0.37	J	3.1	
6/11/20	M	0.27	U	0.24	U	0.33	U	0.32	J	2.9	
5/26/21	M	0.30	U	0.58	U	0.41	U	0.32	J	2.5	
6/15/22	M	0.30	U	0.58	U	0.41	U	0.33	J	2.7	
06/13/23	M	0.30	U	0.58	U	0.41	U	0.30	U	2.4	
MW-54A (monitoring well at Grid Coordinate D6 no longer scheduled for routine sampling)											
5/26/21	M	0.30	U	0.58	U	0.41	U	0.30	U	0.32	U
MW-54B (piezometer at Grid Coordinate D6)											
12/91	NR	1	J	0.4	J	0.3	U	9	J	3	J
4/3/08	NR	0.2	U	0.4	U	0.38	J	0.85		3.49	J
10/18/11	M	0.4	U	0.4	U	0.3	U	0.56	J	3.56	
10/16/13	M	0.28	U	0.43	U	0.47	U	0.44	U	3.9	
6/18/14	M	0.24	U	0.41	U	0.50	U	0.50	U	3.1	
6/16/15	M	0.24	U	0.41	U	0.50	U	0.50	U	3.6	
6/14/16	M	0.24	U	0.41	U	0.50	U	0.50	U	3.8	

TABLE 5

 NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 1/2 MONITORING WELLS & PIEZOMETERS (2020-2023)<sup>(1)</sup>

Well ID Sample Date MCL/ES/PAL	Sample Method/ Level	NPI Volatile Organic Compound (VOC) Concentration (µg/l) and Results Qualifier(s)									
		1,1-DCA		1,1-DCE		PCE		1,1,1-TCA		TCE	
		None/850/85		7/7/0.7		5/5/0.5		200/200/40		5/5/0.5	
6/13/17	M	0.24	U	0.41	U	0.50	U	0.50	U	4.5	
6/20/18	M	0.24	U	0.41	U	0.50	U	0.50	U	3.6	
6/11/19	M	0.27	U	0.24	U	0.33	U	0.38	J	3.8	
6/11/20	M	0.27	U	0.24	U	0.33	U	0.37	J	3.2	
5/26/21	M	0.30	U	0.58	U	0.41	U	0.30	U	3.0	
6/15/22	M	0.30	U	0.58	U	0.41	U	0.30	U	2.7	
06/13/23	M	0.30	U	0.58	U	0.41	U	0.30	U	2.9	
MW-54C (piezometer at Grid Coordinate D6)											
12/91	NR	2		0.5		0.3	U	14		8	
4/3/08	NR	0.29	J	0.4	U	0.3	U	0.95		4.6	
10/18/11	M	0.4	U	0.4	U	0.3	U	0.95	J	5.70	
10/10/12	M	0.75	U	0.57	U	0.45	U	0.90	U	5.40	
6/19/14	M	0.24	U	0.41	U	0.50	U	0.50	U	5.0	
6/16/15	M	0.24	U	0.41	U	0.50	U	0.50	J	2.5	
6/14/16	M	0.24	U	0.41	U	0.50	U	0.57	J	4.7	
6/13/17	M	0.24	UA	0.41	UA	0.50	UA	0.50	UA	4.5	A
6/20/18	M	0.24	U	0.41	U	0.50	U	0.53	J	4.0	
6/11/19	M	0.27	U	0.24	U	0.33	U	0.43	J	4.1	
6/11/20	M	0.27	U	0.24	U	0.33	U	0.39	J	3.4	
5/26/21	M	0.30	U	0.58	U	0.41	U	0.35	J	3.1	
6/15/22	M	0.30	U	0.58	U	0.41	U	0.30	U	3.0	
06/13/23	M	0.30	U	0.58	U	0.41	U	0.30	U	2.9	
MW-55B (piezometer at Grid Coordinate D6)											
10/15/85	NR	0	NA	0	NA	0	NA	0	NA	1	
12/6/91	NR	2		0.2	J	0.3	U	12		4	
6/15/92	NR	0	NA	0	NA	0	NA	0	NA	4	
6/20/92	NR	0	NA	0	NA	0	NA	0	NA	4	
7/15/92	NR	0	NA	0	NA	0	NA	0	NA	4	
6/15/95	NR	0	NA	0	NA	0	NA	0	NA	3	
3/16/98	NR	0	NA	0	NA	0	NA	0	NA	3.77	
10/12/00	NR	0.182	J,CSH,SPH	0.15	U	0.15	U	1.89		1.43	
4/3/08	NR	0.2	U	0.4	U	0.3	U	0.46	J	2.16	
10/18/11	M	0.4	U	0.4	U	0.3	U	0.5	U	1.21	J
6/19/14	M	0.24	U	0.41	U	0.50	U	0.50	U	1.4	
6/16/15	M	0.24	U	0.41	U	0.50	U	0.50	U	1.8	
6/14/16	M	0.24	U	0.41	U	0.50	U	0.50	U	1.9	
6/13/17	M	0.24	U	0.41	U	0.50	U	0.50	U	1.6	
6/20/18	M	0.24	U	0.41	U	0.50	U	0.50	U	2.1	
6/11/19	M	0.27	U	0.24	U	0.33	U	0.24	U	1.6	
6/11/20	M	0.27	U	0.24	U	0.33	U	0.24	U	1.7	
5/26/21	M	0.30	U	0.58	U	0.41	U	0.30	U	1.7	
6/15/22	M	0.30	U	0.58	U	0.41	U	0.30	U	1.6	
06/13/23	M	0.30	U	0.58	U	0.41	U	0.30	U	1.4	

TABLE 5

 NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 1/2 MONITORING WELLS & PIEZOMETERS (2020-2023)<sup>(1)</sup>

Well ID	Sample Date	Sample Method/ MCL/ES/PAL	NPI Volatile Organic Compound (VOC) Concentration (µg/l) and Results Qualifier(s)									
			1,1-DCA		1,1-DCE		PCE		1,1,1-TCA		TCE	
			None/850/85		7/7/0.7		5/5/0.5		200/200/40		5/5/0.5	
MW-55C (piezometer at Grid Coordinate D6)												
	6/11/19	M	0.27	U	0.24	U	0.33	U	0.24	U	0.26	U
	5/26/21	M	0.30	U	0.58	U	0.41	U	0.30	U	0.32	J
	06/13/23	M	0.30	U	0.58	U	0.41	U	0.30	U	0.32	U
MW-68A (monitoring well at Grid Coordinate J7)												
	6/8/20	M	0.27	U	0.24	U	0.33	U	0.24	U	0.26	U
	5/24/21	M	0.30	U	0.58	U	0.41	U	0.30	U	0.40	J
	6/13/22	M	0.30	U	0.58	U	0.41	U	0.30	U	0.39	J
	06/12/23	M	0.30	U	0.58	U	0.41	U	0.30	U	0.54	J
	08/29/23	M	0.30	U	0.58	U	0.41	U	0.30	U	0.50	J
MW-68B (piezometer at Grid Coordinate J7)												
	6/8/20	M	0.27	U	0.24	U	0.33	U	0.24	U	0.26	U
	12/2/20	M	0.27	U	0.24	U	0.33	U	0.24	U	0.34	J
	5/24/21	M	0.30	U	0.58	U	0.41	U	0.30	U	0.32	U
	6/13/22	M	0.30	U	0.58	U	0.41	U	0.30	U	0.32	U
	06/12/23	M	0.30	U	0.58	U	0.41	U	0.30	U	0.32	U
MW-70A (monitoring well at Grid Coordinate K8)												
	4/27/20	M	0.36	J	0.24	U	0.33	U	0.24	U	0.58	J
	6/8/20	M	0.40	J	0.24	U	0.33	U	0.24	U	0.63	J
	8/24/20	M	0.27	U	0.24	U	0.33	U	0.24	U	0.59	J
	12/2/20	M	0.27	U	0.24	U	0.33	U	0.24	U	0.46	J
	3/16/21	M	0.27	UJ	0.24	U	0.33	U	0.24	U	0.62	J
	5/24/21	M	0.30	U	0.58	U	0.41	U	0.30	U	0.46	J
	8/31/21	M	0.30	U	0.58	U	0.41	U	0.30	U	0.51	J
	11/29/21	M	0.32	J	0.58	U	0.41	U	0.30	U	0.52	J
	6/13/22	M	0.30	U	0.58	U	0.41	U	0.30	U	0.32	U
	8/30/22	M	0.30	U	0.58	U	0.41	U	0.30	U	0.32	U
	12/5/22	M	0.30	J	0.58	U	0.41	U	0.30	U	0.50	J
	03/27/24	M	0.30	U	0.58	U	0.41	U	0.30	U	0.32	U
MW-76A (monitoring well at Grid Coordinate K7)												
	3/21/16	M	0.24	U	0.41	U	0.50	U	2.2		0.33	U
	6/13/16	M	0.24	U	0.41	U	0.50	U	0.61	J	0.38	J
	8/30/16	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
	12/6/16	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
	3/21/17	M	1.9		0.41	U	1.0		42.8		4.6	
	6/13/17	M	0.24	U	0.41	U	0.50	U	1.7		0.33	U
	8/28/17	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
	12/13/17	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
	3/27/18	M	0.24	UA	0.41	UA	0.50	UA	0.50	JUA	0.33	UA
	6/19/18	M	0.24	U	0.41	U	0.56	J	0.62	J	0.33	U
	8/14/18	M	0.27	U	0.24	U	0.60	J	2.2		0.36	J
	12/10/18	M	0.27	U	0.24	U	0.33	U	0.24	U	0.26	U
	3/25/19	M	0.27	U	0.24	U	0.33	U	0.24	U	0.28	J

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NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 1/2 MONITORING WELLS & PIEZOMETERS (2020-2023)<sup>(1)</sup>

Well ID Sample Date MCL/ES/PAL	Sample Method/ Level	NPI Volatile Organic Compound (VOC) Concentration (µg/l) and Results Qualifier(s)									
		1,1-DCA		1,1-DCE		PCE		1,1,1-TCA		TCE	
		None/850/85		7/7/0.7		5/5/0.5		200/200/40		5/5/0.5	
6/10/19	M	0.27	U	0.24	U	0.33	U	0.34	J	0.34	J
8/19/19	M	0.27	U	0.24	U	0.33	U	0.40	J	0.26	U
12/3/19	M	0.27	UA	0.24	UA	0.33	UA	0.27	JUA	0.26	UA
4/27/20	M	0.27	UA	0.24	UA	0.40	JA	0.33	JA	0.29	JA
6/8/20	M	0.27	UA	0.24	UA	0.33	UA	0.24	UA	0.26	UA
8/24/20	M	0.27	U	0.24	U	0.33	U	0.24	U	0.26	U
12/2/20	M	0.27	UA	0.24	UA	0.33	UA	0.93	JA	0.26	UA
3/16/21	M	0.27	UJ	0.24	U	0.49	J	2.9		0.37	J
5/24/21	M	0.30	UA	0.58	UA	0.45	JUA	2.3	JA	0.32	UJA
8/31/21	M	0.30	U	0.58	U	0.41	U	0.30	U	0.32	U
11/29/21	M	0.32	JUA	0.58	UA	1.15	A	5.5	A	0.89	JA
3/24/22	M	0.30	U	0.58	U	0.41	U	1.4		0.32	U
6/13/22	M	0.30	U	0.58	U	0.41	U	0.45	J	0.32	U
8/30/22	M	0.30	U	0.58	U	0.41	U	13.4		0.71	J
12/5/22	M	0.30	U	0.58	U	0.41	U	2.9		0.32	U
03/21/23	M	0.30	UA	0.58	UA	0.41	UA	0.57	JA	0.32	UA
06/12/23	M	0.30	UA	0.58	UA	0.55	JA	1.1	A	0.56	JA
08/29/23	M	1.35	A	0.58	UA	0.795	JA	9.1	A	1.2	A
11/30/23	M	1.95	A	0.58	UA	0.515	JA	12.7	A	1.75	A
MW-76B (piezometer at Grid Coordinate K7 no longer scheduled for routine sampling)											
11/29/21	M	0.30	U	0.58	U	0.41	U	0.30	U	0.32	U
03/21/23	M	0.30	U	0.58	U	0.41	U	0.30	U	0.32	U
06/12/23	M	0.30	U	0.58	U	0.41	U	0.30	U	0.32	U
08/29/23	M	0.30	U	0.58	U	0.41	U	0.30	U	0.32	U
11/30/23	M	0.30	U	0.58	U	0.41	U	0.30	U	0.32	U
MW-77A (monitoring well at Grid Coordinate K7)											
6/8/20	M	0.27	U	0.24	U	0.33	U	0.24	U	0.26	U
12/2/20	M	0.27	U	0.24	U	0.33	U	0.24	U	0.26	U
5/24/21	M	0.30	U	0.58	U	0.41	U	0.30	U	0.38	J
11/29/21	M	0.30	U	0.58	U	0.41	U	0.30	U	0.54	J
6/13/22	M	0.30	U	0.58	U	0.41	U	0.30	U	0.58	J
12/5/22	M	0.30	U	0.58	U	0.41	U	0.30	U	0.49	J
03/21/23	M	0.30	U	0.58	U	0.41	U	0.30	U	0.52	J
06/12/23	M	0.30	U	0.58	U	0.41	U	0.30	U	0.87	J
08/29/23	M	0.30	U	0.58	U	0.41	U	0.30	U	0.63	J
11/30/23	M	0.30	U	0.58	U	0.41	U	0.30	U	0.47	J
MW-77B (piezometer at Grid Coordinate K7)											
6/8/20	M	0.27	U	0.24	U	0.33	U	0.24	U	1.8	
12/2/20	M	0.27	U	0.24	U	0.33	U	0.24	U	1.6	
5/24/21	M	0.30	U	0.58	U	0.41	U	0.30	U	1.8	
11/29/21	M	0.30	UA	0.58	UA	0.41	UA	0.30	UA	1.6	A
6/13/22	M	0.30	UA	0.58	UA	0.41	UA	0.37	JA	2.15	A
12/5/22	M	0.30	U	0.58	U	0.41	U	0.30	U	1.7	

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 NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 1/2 MONITORING WELLS & PIEZOMETERS (2020-2023)<sup>(1)</sup>

Well ID Sample Date MCL/ES/PAL	Sample Method/ Level	NPI Volatile Organic Compound (VOC) Concentration (µg/l) and Results Qualifier(s)									
		1,1-DCA		1,1-DCE		PCE		1,1,1-TCA		TCE	
		None/850/85		7/7/0.7		5/5/0.5		200/200/40		5/5/0.5	
03/21/23	M	0.30	U	0.58	U	0.41	U	0.30	U	2.1	
06/12/23	M	0.30	UA	0.58	UA	0.41	UA	0.30	UA	1.9	A
08/29/23	M	0.30	U	0.58	U	0.41	U	0.30	U	1.5	
11/30/23	M	0.30	U	0.58	U	0.41	U	0.30	U	1.4	
MW-77C (piezometer at Grid Coordinate K7)											
6/8/20	M	0.27	U	0.24	U	0.33	U	0.24	U	0.57	J
5/24/21	M	0.30	U	0.58	U	0.41	U	0.30	U	0.67	J
11/29/21	M	0.30	U	0.58	U	0.41	U	0.30	U	0.49	J
6/13/22	M	0.30	U	0.58	U	0.41	U	0.30	U	0.65	J
03/21/23	M	0.30	U	0.58	U	0.41	U	0.30	U	1.0	J
06/12/23	M	0.30	U	0.58	U	0.41	U	0.30	U	0.55	J
08/29/23	M	0.30	U	0.58	U	0.41	U	0.30	U	0.45	J
11/30/23	M	0.30	U	0.58	U	0.41	U	0.30	U	0.58	J
RW-2A (monitoring well at Grid Coordinate J7)											
6/10/20	M	0.27	U	0.24	U	0.33	U	0.24	U	0.98	J
5/25/21	M	0.30	U	0.58	U	0.41	U	0.30	U	0.87	J
11/30/21	M	0.30	U	0.58	U	0.41	U	0.30	U	0.89	J
6/14/22	M	0.30	U	0.58	U	0.41	U	0.30	U	1.0	
03/21/23	M	0.30	U	0.58	U	0.41	U	0.30	U	1.1	
06/13/23	M	0.30	U	0.58	U	0.41	U	0.30	U	1.1	
08/30/23	M	0.30	U	0.58	U	0.41	U	0.32	J	2.2	
11/30/23	M	0.30	U	0.58	U	0.41	U	0.30	U	1.0	
RW-2B (piezometer at Grid Coordinate J7)											
6/10/20	M	0.27	U	0.24	U	0.33	U	0.30	J	2.0	
5/25/21	M	0.30	U	0.58	U	0.41	U	0.30	U	1.7	
11/30/21	M	0.30	U	0.58	U	0.41	U	0.35	J	1.9	
6/14/22	M	0.30	U	0.58	U	0.41	U	0.43	J	2.4	
03/21/23	M	0.30	U	0.58	U	0.41	U	0.32	J	2.6	
06/13/23	M	0.30	U	0.58	U	0.41	U	0.30	U	2.3	
08/30/23	M	0.30	U	0.58	U	0.41	U	0.30	U	1.2	
11/30/23	M	0.30	U	0.58	U	0.41	U	0.30	U	2.5	
RW-2C (piezometer at Grid Coordinate J7)											
6/10/20	M	0.27	U	0.24	U	0.33	U	0.24	U	1.7	
5/25/21	M	0.30	U	0.58	U	0.41	U	0.30	U	1.8	
11/30/21	M	0.30	U	0.58	U	0.41	U	0.30	U	2.0	
6/14/22	M	0.30	U	0.58	U	0.41	U	0.32	J	2.1	
03/21/23	M	0.30	U	0.58	U	0.41	U	0.30	U	1.7	
06/13/23	M	0.30	U	0.58	U	0.41	U	0.30	U	1.6	
08/30/23	M	0.30	U	0.58	U	0.41	U	0.30	U	2.1	
11/30/23	M	0.30	U	0.58	U	0.41	U	0.30	U	2.1	
RW-3A (monitoring well at Grid Coordinate C6)											
6/9/20	M	0.27	UA	0.24	UA	0.33	UA	0.24	UA	1.85	A
5/25/21	M	0.30	UA	0.58	UA	0.41	UA	0.30	UJA	1.25	JA

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 NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 1/2 MONITORING WELLS & PIEZOMETERS (2020-2023)<sup>(1)</sup>

Well ID Sample Date MCL/ES/PAL	Sample Method/ Level	NPI Volatile Organic Compound (VOC) Concentration (µg/l) and Results Qualifier(s)									
		1,1-DCA		1,1-DCE		PCE		1,1,1-TCA		TCE	
		None/850/85		7/7/0.7		5/5/0.5		200/200/40		5/5/0.5	
6/14/22	M	0.30	UA	0.58	UA	0.41	UA	0.30	UA	2.15	A
06/13/23	M	0.30	UA	0.58	UA	0.41	UA	0.30	UA	1.9	A
RW-3B (piezometer at Grid Coordinate C6)											
6/9/20	M	0.27	U	0.24	U	0.33	U	0.32	J	3.1	
12/2/20	M	0.27	U	0.24	U	0.33	U	0.24	U	2.5	
5/25/21	M	0.30	U	0.58	U	0.41	U	0.30	U	2.6	
11/30/21	M	0.30	U	0.58	U	0.41	U	0.30	U	2.2	
6/14/22	M	0.30	U	0.58	U	0.41	U	0.30	J	3.1	
12/5/22	M	0.30	U	0.58	U	0.41	U	0.30	U	2.5	
06/13/23	M	0.30	U	0.58	U	0.41	U	0.30	U	2.1	
RW-3C (piezometer at Grid Coordinate C6)											
6/9/20	M	0.27	U	0.24	U	0.33	U	0.37	J	3.6	
12/2/20	M	0.27	U	0.24	U	0.33	U	0.24	U	3.2	
5/25/21	M	0.30	U	0.58	U	0.41	U	0.31	J	3.0	
11/30/21	M	0.30	U	0.58	U	0.41	U	0.30	U	2.7	
6/14/22	M	0.30	U	0.58	U	0.41	U	0.30	J	3.5	
12/5/22	M	0.30	U	0.58	U	0.41	U	0.30	J	2.4	
06/13/23	M	0.30	U	0.58	U	0.41	U	0.30	J	2.5	
RW-15 (monitoring well at Grid Coordinate J7)											
10/15/85	NR		NA		NA		NA		NA	7.9	
7/15/87	NR		NA	1	U		NA	1	U	11	
10/15/87	NR		NA	1	U		NA	1	U	14	
9/11/89	NR	4	J	4		0.8		93	E	9	
5/29/90	NR	3		3		0.8		63	E,R	10	
4/23/91	NR	0.8		0.6		0.6		12		8	J
12/18/91	NR	0.2	U	0.3	U	0.3	U	0.5	J,B	3	U
6/15/92	NR		NA		NA		NA		NA	10	
6/20/92	NR		NA		NA		NA		NA	10	
7/15/92	NR		NA	1	U		NA	1	U	10	
4/15/95	NR	1	U	1	U	1	U	4.1		7.3	
6/15/95	NR		NA		NA		NA		NA	7	
7/21/95	NR		NA		NA	0.5	J	3	J	7	J
1/10/96	NR		NA		NA		NA		NA	7.8	
3/16/98	NR		NA		NA		NA		NA	4.71	
10/12/00	NR	0.332	J	0.15	U	0.224	J	1.42		4.75	
6/29/10	M	0.4	U	0.4	U	0.3	U	0.68	J	5.24	
12/16/10	M	0.4	U	0.4	U	0.3	U	0.8	J	5.78	
3/29/11	M	0.4	U	0.4	U	0.35	J	0.7	J	5.12	
6/7/11	M	0.4	U	0.4	U	0.3	U	0.69	J	5.78	
10/18/11	M	0.4	U	0.4	U	0.3	U	0.63	J	4.72	
12/22/11	M	0.4	U	0.4	U	0.39	J	0.86	J	4.95	
6/26/12	M	0.75	U	0.57	U	0.45	U	0.90	U	4.6	
12/4/12	M	0.75	U	0.57	U	0.45	U	0.90	U	4.4	



TABLE 5

 NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 1/2 MONITORING WELLS & PIEZOMETERS (2020-2023)<sup>(1)</sup>

Well ID Sample Date MCL/ES/PAL	Sample Method/ Level	NPI Volatile Organic Compound (VOC) Concentration (µg/l) and Results Qualifier(s)									
		1,1-DCA		1,1-DCE		PCE		1,1,1-TCA		TCE	
		None/850/85		7/7/0.7		5/5/0.5		200/200/40		5/5/0.5	
7/2/13	M	0.28	U	0.43	U	0.47	U	0.66	J	4.8	
12/4/13	M	0.28	U	0.43	U	0.47	U	0.49	J	4.2	
6/17/14	M	0.24	U	0.41	U	0.50	U	0.54	J	4.3	
12/4/14	M	0.24	U	0.41	U	0.50	U	0.58	J	4.2	
6/16/15	M	0.24	U	0.41	U	0.50	U	0.50	U	2.1	
12/8/15	M	0.24	U	0.41	U	0.50	U	0.50	U	3.4	
6/13/16	M	0.24	U	0.41	U	0.50	U	0.50	U	3.7	
12/6/16	M	0.24	U	0.41	U	0.50	U	0.50	U	3.1	
6/13/17	M	0.24	U	0.41	U	0.50	U	0.50	U	4.4	
12/13/17	M	0.24	UA	0.41	UA	0.50	UA	0.60	JA	3.7	A
6/19/18	M	0.24	UA	0.41	UA	0.50	UA	0.60	JA	3.45	A
6/12/19	M	0.27	U	0.24	U	0.33	U	0.38	J	3.2	
6/8/20	M	0.27	U	0.24	U	0.33	U	0.31	J	3.1	
5/25/21	M	0.30	U	0.58	U	0.41	U	0.30	U	2.3	
6/14/22	M	0.30	U	0.58	U	0.41	U	0.38	J	3.0	
06/13/23	M	0.30	U	0.58	U	0.41	U	0.30	U	2.8	
RW-16 (monitoring well at Grid Coordinate G7)											
10/15/85	NR		NA		NA		NA		NA	9.6	
7/15/87	NR		NA		NA		NA		NA	9.6	
10/15/87	NR		NA		NA		NA		NA	7.6	
5/29/90	NR		NA		NA		NA		NA	8	
6/2/90	NR	3		2		2		41		8	
4/19/91	NR	2		1		2		31		8	J
12/19/91	NR	2	J	0.7	J	1	JB	22		7	J
6/15/92	NR		NA		NA		NA		NA	8	
6/20/92	NR		NA		NA		NA		NA	8	
6/15/95	NR		NA		NA		NA		NA	4	
3/16/98	NR		NA		NA		NA		NA	4.16	
4/15/99	NR	0.333	J,CSH	0.2	U	0.85		2.3		4.84	MSH
5/23/00	NR	0.075	J	0.15	U,CSH	0.51		0.955		0.4	U
10/12/00	NR	0.252	J	0.15	U	0.58		1.56		4.51	
5/9/01	NR	0.15	U	0.15	U	0.67		0.809		3.15	
4/22/02	NR	0.36	U	0.39	U,SPL	1.04	SPL	0.42	U	2.24	
10/24/02	NR	0.36	U	0.39	U	1.23		0.735	J	3.41	
4/10/03	NR	0.36	U	0.39	U	0.91	J	0.42	U	3.28	
10/8/03	NR	0.36	U	0.39	U	1	J	0.925	J	3.85	
4/14/04	NR	0.5	U	0.5	U	0.62	J	0.557	J	2.76	
10/20/04	NR	0.5	U	0.5	U	0.58	J	0.518	J	2.90	
4/12/05	NR	0.5	U	0.5	U	0.45	U	0.42	U	2.73	
10/11/05	NR	0.5	U	0.5	U	0.61	J	0.42	U	3.03	
4/18/06	NR	0.5	U	0.5	U	0.61	J	0.42	U	3.26	
10/18/06	NR	0.15	U,CSL	0.15	U	0.27	J	0.32	J	2.17	
6/20/07	NR	0.2	U	0.4	U	0.53	J	0.47	J	2.63	

TABLE 5

 NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 1/2 MONITORING WELLS & PIEZOMETERS (2020-2023)<sup>(1)</sup>

Well ID Sample Date MCL/ES/PAL	Sample Method/ Level	NPI Volatile Organic Compound (VOC) Concentration (µg/l) and Results Qualifier(s)									
		1,1-DCA		1,1-DCE		PCE		1,1,1-TCA		TCE	
		None/850/85		7/7/0.7		5/5/0.5		200/200/40		5/5/0.5	
11/13/07	NR	0.2	U	0.4	U	0.34	J	0.31	J	1.98	
6/26/08	NR	0.2	U	0.4	U	0.49	J	0.51	J	2.98	
12/17/08	NR	0.2	U	0.4	U	0.54	J	0.5	J	3.04	
7/21/09	L	0.4	U	0.4	U	0.15	J	0.5	U	1.83	
12/1/09	L	0.4	U	0.4	U	0.3	U	0.5	U	1.69	
6/29/10	M	0.4	U	0.4	U	0.3	U	0.5	U	1.56	
12/20/10	M	0.4	U	0.4	U	0.36	J	0.5	U	1.77	
6/7/11	M	0.4	U	0.4	U	0.3	U	0.5	U	1.59	
10/19/11	M	0.4	U	0.4	U	0.46	J	0.5	U	2.39	
10/10/12	M	0.75	U	0.57	U	0.45	U	0.90	U	1.7	
7/3/13	M	0.28	U	0.43	U	0.47	U	0.44	U	1.3	
6/18/14	M	0.24	U	0.41	U	0.50	U	0.50	U	1.1	
6/17/15	M	0.24	UA	0.41	UA	0.50	UA	0.50	UA	2.7	A
6/14/16	M	0.24	U	0.41	U	0.50	U	0.50	U	2.3	
6/13/17	M	0.24	U	0.41	U	0.50	U	0.50	U	2.2	
6/19/18	M	0.24	U	0.41	U	0.50	U	0.50	U	2.2	
6/11/19	M	0.27	U	0.24	U	0.33	U	0.24	U	1.9	
6/9/20	M	0.27	U	0.24	U	0.33	U	0.24	U	2.2	
5/25/21	M	0.30	U	0.58	U	0.41	U	0.30	UJ	1.9	J
6/14/22	M	0.30	U	0.58	U	0.41	U	0.30	UJ	2.5	
06/14/23	M	0.30	U	0.58	U	0.41	U	0.30	U	1.9	
RW-16B (piezometer at Grid Coordinate G7)											
10/15/85	NR		NA		NA		NA		NA	10	
4/19/91	NR	3		2		0.5		43		9	B
12/19/91	NR	6		4		1	J	32	J	17	J
6/15/92	NR		NA		NA		NA		NA	18	
6/20/92	NR		NA		NA		NA		NA	18	
7/15/92	NR		NA	1	U		NA	1	U	18	
6/15/95	NR		NA		NA		NA		NA	8	
7/27/95	NR	1	J	0.5	J	0.4	J	17		8	J
1/11/96	NR		NA		NA		NA		NA	8.9	
3/16/98	NR		NA		NA		NA		NA	1.81	
4/15/99	NR	0.373	J,CSH	0.2	U	0.242	J	2.94		3.96	MSH
10/7/99	NR	0.8	Dup	0.15	U	0.36	J	2.66	Dup	7.75	
5/23/00	NR	0.424	J	0.15	U,CSH	0.262	J	1.52		0.4	U
10/12/00	NR	0.575		0.15	U	0.35		2.43		7.16	
5/9/01	NR	0.215	J	0.15	U	0.289	J	1.2		4.74	
10/18/01	NR	0.38	U	0.38	U	0.26	U	1.03		3.63	
4/22/02	NR	0.36	U	0.39	U,SPL	0.32	U,SPL	0.77	J	4.34	
10/24/02	NR	0.36	U	0.39	U	0.32	U	1.2	J	5.08	
4/10/03	NR	0.36	U	0.39	U	0.32	U	0.42	U	4.73	
7/23/03	NR	0.36	U	0.39	U	0.32	U	1.02	J	4.64	
10/8/03	NR	0.36	U	0.39	U	0.32	U	1.25	J	5.01	

TABLE 5

 NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 1/2 MONITORING WELLS & PIEZOMETERS (2020-2023)<sup>(1)</sup>

Well ID Sample Date MCL/ES/PAL	Sample Method/ Level	NPI Volatile Organic Compound (VOC) Concentration (µg/l) and Results Qualifier(s)									
		1,1-DCA		1,1-DCE		PCE		1,1,1-TCA		TCE	
		None/850/85		7/7/0.7		5/5/0.5		200/200/40		5/5/0.5	
2/24/04	NR	0.5	U	0.5	U	0.45	U	1.01	J	4.24	
4/14/04	NR	0.5	U	0.5	U	0.45	U	0.892	J	4.32	
7/15/04	NR	0.5	U	0.5	U	0.45	U	1.24	J	4.97	
10/20/04	NR	0.5	U	0.5	U	0.45	U	0.977	J	4.83	
1/18/05	NR	0.5	U	0.5	U	0.45	U	0.695	J	4.79	
4/12/05	NR	0.5	U	0.5	U	0.45	U	0.785	J	4.86	
10/11/05	NR	0.5	U	0.5	U	0.45	U	0.739	J	5.00	
4/18/06	NR	0.5	U	0.5	U	0.45	U	1.1	J	5.07	
10/18/06	NR	0.15	U,CSL	0.15	U	0.17	J	0.78		4.30	
3/26/07	NR	0.42	U	0.15	U	0.34	J	0.2	U	5.10	
6/20/07	NR	0.2	U	0.4	U	0.3	U	0.89		4.44	
9/25/07	NR	0.2	U	0.4	U	0.3	U	0.91		4.45	
11/13/07	NR	0.2	U	0.4	U	0.3	U	0.76		4.05	
4/1/08	NR	0.2	U	0.4	U	0.3	U	0.81		3.88	
6/26/08	NR	0.2	U	0.4	U	0.3	U	1		5.04	
9/18/08	NR	0.33	J	0.4	U	0.42	J	1.04		4.35	
12/17/08	NR	0.2	U	0.4	U	0.3	U	0.95		5.29	
3/25/09	M	0.2	U	0.4	U	0.3	U	0.75		4.73	
7/21/09	M	0.4	U	0.4	U	0.3	U	0.88	J	4.76	
9/22/09	M	0.4	U	0.4	U	0.3	U	0.97	J	5.14	
12/1/09	M	0.4	U	0.4	U	0.3	U	0.81	J	4.72	
3/16/10	M	0.4	U	0.4	U	0.3	U	0.5	U	0.4	U
6/29/10	M	0.4	U	0.4	U	0.3	U	0.78	J	4.94	
10/5/10	M	0.4	U	0.4	U	0.3	U	0.85	J	4.57	
12/20/10	M	0.4	U	0.4	U	0.3	J	0.81	J	5.07	
3/29/11	M	0.4	U	0.4	U	0.3	J	0.54	J	4.26	
6/7/11	M	0.4	U	0.4	U	0.39	J	0.76	J	5.08	
10/19/11	M	0.4	U	0.4	U	0.3	U	0.77	J	4.24	
12/22/11	M	0.8	U	0.8	U	0.39	J	0.86	J	4.95	
10/10/12	M	0.75	U	0.57	U	0.45	U	0.90	U	4.1	
7/3/13	M	0.28	U	0.43	U	0.47	U	0.62	J	3.5	
6/18/14	M	0.24	U	0.41	U	0.50	U	0.52	J	3.4	
6/17/15	M	0.24	U	0.41	U	0.50	U	0.50	U	1.8	
6/14/16	M	0.24	U	0.41	U	0.50	U	0.50	U	3.1	
6/13/17	M	0.24	U	0.41	U	0.50	U	0.50	U	0.90	J
6/19/18	M	0.24	U	0.41	U	0.50	U	0.50	U	3.2	
6/11/19	M	0.27	U	0.24	U	0.33	U	0.28	J	2.6	
6/9/20	M	0.27	U	0.24	U	0.33	U	0.29	J	2.9	
5/25/21	M	0.30	U	0.58	U	0.41	U	0.30	UJ	2.6	J
6/14/22	M	0.30	U	0.58	U	0.41	U	0.41	J	3.1	
06/14/23	M	0.30	U	0.58	U	0.41	U	0.30	U	2.8	

TABLE 5

 NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 1/2 MONITORING WELLS & PIEZOMETERS (2020-2023)<sup>(1)</sup>

Well ID Sample Date MCL/ES/PAL	Sample Method/ Level	NPI Volatile Organic Compound (VOC) Concentration (µg/l) and Results Qualifier(s)									
		1,1-DCA		1,1-DCE		PCE		1,1,1-TCA		TCE	
		None/850/85		7/7/0.7		5/5/0.5		200/200/40		5/5/0.5	
RW-16C (piezometer at Grid Coordinate G7)											
10/15/85	NR		NA		NA		NA		NA	<b>10</b>	
4/19/91	NR	2		0.8		0.3		22		<b>9</b>	J
12/19/91	NR	2		0.7		0.2	J	22		<b>8</b>	
6/15/92	NR		NA		NA		NA		NA	<b>8</b>	
6/20/92	NR		NA		NA		NA		NA	<b>8</b>	
7/15/92	NR		NA		NA		NA		NA	<b>8</b>	
6/15/95	NR		NA		NA		NA		NA	<b>3</b>	
7/27/95	NR	0.8	J		NA		NA	10		<b>3</b>	J
3/16/98	NR		NA		NA		NA		NA	<b>1.98</b>	
4/15/99	NR	0.863	CSH,MSH	0.2	U	0.299	J	2.44		<b>5.62</b>	CSH
10/7/99	NR	0.8	Dup	0.15	U	0.173	J	1.84	Dup	<b>5.39</b>	
5/23/00	NR	0.328	J	0.15	U,CSH	0.15	U	1.01		0.4	U
10/12/00	NR	0.358	J	0.15	U	0.15	U	1.06		<b>3.59</b>	
5/9/01	NR	0.15	U	0.15	U	0.15	U	0.313	J	<b>1.67</b>	
10/18/01	NR	0.38	U	0.38	U	0.26	U	0.792		0.26	U
4/22/02	NR	0.36	U	0.39	U,SPL	0.32	U,SPL	0.517	J	<b>3.74</b>	
10/24/02	NR	0.36	U	0.39	U	0.32	U	0.899	J	<b>4.20</b>	
10/8/03	NR	0.36	U	0.39	U	0.32	U	0.94	J	<b>4.46</b>	
4/14/04	NR	0.5	U	0.5	U	0.45	U	0.631	J	<b>4.14</b>	
10/20/04	NR	0.5	U	0.5	U	0.45	U	0.64	J	<b>4.26</b>	
4/12/05	NR	0.5	U	0.5	U	0.45	U	0.479	J	<b>3.98</b>	
10/11/05	NR	0.5	U	0.5	U	0.45	U	0.42	U	<b>4.06</b>	
4/18/06	NR	0.5	U	0.5	U	0.45	U	0.42	U	<b>4.39</b>	
10/18/06	NR	0.15	U,CSL	0.15	U	0.1	U	0.48	J	<b>3.40</b>	
6/20/07	NR	0.2	U	0.4	U	0.3	U	0.2	U	<b>3.54</b>	
11/13/07	NR	0.2	U	0.4	U	0.3	U	0.38	J	<b>2.73</b>	
6/26/08	NR	0.48	J	0.4	U	0.3	U	0.66	J	<b>3.00</b>	
12/17/08	NR	0.2	U	0.4	U	0.3	U	0.52	J	<b>3.77</b>	
7/21/09	M	0.4	U	0.4	U	0.3	U	0.5	U	<b>3.31</b>	
12/1/09	M	0.4	U	0.4	U	0.3	U	0.58	J	<b>3.84</b>	
6/29/10	M	0.4	U	0.4	U	0.3	U	0.51	J	<b>3.86</b>	
12/20/10	M	0.4	U	0.4	U	0.3	U	0.57	J	<b>4.02</b>	
6/7/11	M	0.4	U	0.4	U	0.3	U	0.51	J	<b>3.96</b>	
10/19/11	M	0.4	U	0.4	U	0.3	U	0.55	J	<b>3.78</b>	
10/10/12	M	0.75	U	0.57	U	0.45	U	0.90	U	<b>3.5</b>	
7/3/13	M	0.28	U	0.43	U	0.47	U	0.44	U	<b>2.7</b>	
6/18/14	M	0.24	U	0.41	U	0.50	U	0.50	U	<b>2.8</b>	
6/17/15	M	0.24	U	0.41	U	0.50	U	0.50	U	<b>0.72</b>	J
6/14/16	M	0.24	U	0.41	U	0.50	U	0.50	U	<b>3.6</b>	
6/13/17	M	0.24	U	0.41	U	0.50	U	0.50	U	<b>3.9</b>	
6/19/18	M	0.24	U	0.41	U	0.50	U	0.50	U	<b>3.3</b>	
6/11/19	M	0.27	U	0.24	U	0.33	U	0.24	U	<b>2.4</b>	

TABLE 5

 NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 1/2 MONITORING WELLS & PIEZOMETERS (2020-2023)<sup>(1)</sup>

Well ID	Sample Date	Sample Method/ MCL/ES/PAL	Sample Level	NPI Volatile Organic Compound (VOC) Concentration (µg/l) and Results Qualifier(s)									
				1,1-DCA		1,1-DCE		PCE		1,1,1-TCA		TCE	
				None/850/85		7/7/0.7		5/5/0.5		200/200/40		5/5/0.5	
6/9/20	M			0.27	U	0.24	U	0.33	U	0.24	U	3.1	
8/31/21	M			0.30	U	0.58	U	0.41	U	0.30	U	2.6	
6/14/22	H			0.30	U	0.58	U	0.41	U	0.32	J	3.1	
06/14/23	H			0.30	U	0.58	U	0.41	U	0.30	U	2.2	
WW-15 (monitoring well at Grid Coordinate I8)													
9/89	NR			0.2	U	0.2	U	0.2	U	0.4		3	
5/90	NR			0.2	U	0.2	U	0.2	U	0.6		3	
4/91	NR			0.3		0.3	U	0.3	U	0.9		3	U
4/1/08	NR			0.2	U	0.4	U	0.3	U	0.21	J	1.08	J
10/18/11	M			0.4	U	0.4	U	0.3	U	0.5	U	1.21	J
10/10/12	M			0.75	U	0.57	U	0.45	U	0.90	U	0.84	J
7/2/13	M			0.28	U	0.43	U	0.47	U	0.44	U	0.43	U
6/17/14	M			0.24	U	0.41	U	0.50	U	0.50	U	1.00	
6/16/15	M			0.24	U	0.41	U	0.50	U	0.50	U	0.89	J
6/13/16	M			0.24	U	0.41	U	0.50	U	0.50	U	1.3	
6/13/17	M			0.24	U	0.41	U	0.50	U	0.50	U	1.0	
6/19/18	M			0.24	U	0.41	U	0.50	U	0.50	U	0.73	J
6/12/19	M			0.27	U	0.24	U	0.33	U	0.24	U	0.65	J
6/8/20	M			0.27	U	0.24	U	0.33	U	0.24	U	0.46	J
5/25/21	M			0.30	U	0.58	U	0.41	U	0.30	U	0.40	J
6/14/22	M			0.30	U	0.58	U	0.41	U	0.30	U	0.50	J
06/13/23	M			0.30	U	0.58	U	0.41	U	0.30	U	0.47	J

TABLE 5

NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 1/2 MONITORING WELLS (2020-2023)<sup>(1)</sup>NOTES:

Concentrations are in micrograms per liter (µg/L)/parts per billion (ppb).

Detected concentrations at or above an applicable NR 140 PAL are in red font and italicized.

Detected concentrations at or above an applicable MCL/NR 140 ES are in red font and bold.

A = Average of original sample and duplicate. Began this approach in 2014.

B = Compound detected in blank.

CSH = Check standard for this analyte exhibited a high bias. Sample results may also be biased high.

CSL = Check standard for this analyte exhibited a low bias. Sample results may also be biased low.

D = Indicates initial analysis exceeded the calibration range, was diluted and re-analyzed.

Dup = Result of duplicate analysis in this quality assurance batch exceeds the limits for precision.

E = Concentration exceeds calibration range of instrument.

ISH = Internal standard recovery exceeds normal limits. Sample results may be biased low.

J = Estimated concentration below laboratory quantitation level.

MSH = Matrix spike recovery within analytical batch was high. Sample matrix appears similar to your sample; result may be biased high.

MSL = Matrix spike recovery within analytical batch was low. Sample matrix appears similar to your sample; result may be biased low.

NA = Not analyzed.

NS = Not sampled.

R = Unusable.

S1H = First sample matrix spike recovery was high.

S2H = Second sample matrix spike recovery was high.

SPH = Matrix spike recovery within analytical batch was high. Sample matrix appears similar to your sample; result may be biased high.

SPL = Matrix spike recovery within analytical batch was low. Sample matrix appears similar to your sample; result may be biased low.

U = Compound not detected at or above the detection limit, which is the value shown.

SAMPLE METHOD/LEVEL KEY:

B = Bailer.

HS = HydraSleeve.

LF = Low flow.

NR = Not recorded until 2009.

PDB = Passive diffusion bag.

H = PDB or HS in upper portion of saturated screened interval.

M = PDB or HS in middle portion of saturated screened interval.

L = PDB or HS in lower portion of saturated screened interval.

FOOTNOTE:

(1) Select monitoring wells/piezometers include all historical NPI VOC analytical data for reference. See text of report for details.

NATIONAL PRESTO INDUSTRIES, INC.  
EAU CLAIRE, WISCONSIN

TABLE 6

NPI VOC ANALYTICAL RESULTS FROM THE EAU CLAIRE MUNICIPAL WELL FIELD (2020-2023)

Date(s)	City	GF	City	GF	City	GF	City	GF
NPI VOC	1,1-DCA		PCE		1,1,1-TCA		TCE	
MCL/ES/PAL	None/850/85		5/5/0.5		200/200/40		5/5/0.5	
City Well 15 (CW-15 no longer scheduled for routine sampling)								
06/09/20	(10)	0.079 U	(10)	0.064 U	(10)	0.091 U	(10)	0.053 U
12/02/20-present	Not in service on 12/02/20 and, starting in 2021, no longer scheduled for routine sampling							
City Well 19 (CW-19)								
06/09/20	(10)	0.079 U	(10)	0.064 U	(10)	0.091 U	(10)	0.30
12/02/20	(10)	0.16 U	(10)	0.17 U	(10)	0.19 U	(10)	0.26 J
05/26/21	(10)	0.27 U	(10)	0.26 U	(10)	0.27 U	(10)	0.68
11/30/21-present	Not in service for drinking water supply; see text of annual report for details							
City Well 22 (CW-22 started production pumping on 04/25/17)								
06/09/20	(10)	0.079 U	(10)	0.064 U	(10)	0.17 J	(10)	1.7
12/02/20	(10)	0.16 U	(10)	0.17 U	(10)	0.19 U	(10)	1.7
05/26/21	(10)	0.27 U	(10)	0.26 U	(10)	0.27 U	(10)	1.7
11/30/21-present	Not in service for drinking water supply; see text of annual report for details							
City Well 23 (CW-23 started production pumping on 04/25/17)								
06/09/20	(10)	0.079 U	(10)	0.064 U	(10)	0.091 U	(10)	0.24
12/02/20	(10)	0.16 U	(10)	0.17 U	(10)	0.19 U	(10)	0.26 J
05/26/21	(10)	0.27 U	(10)	0.26 U	(10)	0.27 U	(10)	0.26 U
11/30/21-present	Not in service for drinking water supply; see text of annual report for details							
Commingled untreated raw water prior to air stripping <sup>(1)</sup>								
06/09/20	(10)	0.079 U	(10)	0.064 U	(10)	0.091 U	(10)	0.69
12/02/20	(10)	0.16 U	(10)	0.17 U	(10)	0.19 U	(10)	1.0
05/26/21	(10)	0.27 U	(10)	0.26 U	(10)	0.27 U	(10)	0.77
11/30/21-present	Air stripper not in service; see text of annual report for details							
Tower A (North) - discharge from air stripper <sup>(2)</sup>								
06/09/20	(10)	0.079 U	(10)	0.064 U	(10)	0.091 U	(10)	0.053 U
12/02/20	(10)	0.16 U	(10)	0.17 U	(10)	0.19 U	(10)	0.23 J
05/26/21	(10)	0.27 U	(10)	0.26 U	(10)	0.27 U	(10)	0.26 U
11/30/21-present	Air stripper not in service; see text of annual report for details							
Tower B (South) - discharge from air stripper <sup>(3)</sup>								
06/09/20	(10)	0.079 U	(10)	0.064 U	(10)	0.091 U	(10)	0.053 U
12/02/20	(10)	0.16 U	(10)	0.17 U	(10)	0.19 U	(10)	0.28 J
05/26/21	(10)	0.27 U	(10)	0.26 U	(10)	0.27 U	(10)	0.26 U
11/30/21-present	Air stripper not in service; see text of annual report for details							
Commingled treated water after chlorination (finished water entering the city distribution system) <sup>(4)</sup>								
06/09/20	(10)	0.079 U	(10)	0.064 U	(10)	0.091 U	(10)	0.053 U
12/02/20	(10)	0.16 U	(10)	0.17 U	(10)	0.19 U	(10)	0.12 U
05/26/21	(10)	0.27 U	(10)	0.26 U	(10)	0.27 U	(10)	0.26 U
11/30/21	(10)	0.27 U	(10)	0.26 U	(10)	0.27 U	(10)	0.26 U
06/14/22	(10)	0.27 U	(10)	6.0	(10)	0.27 U	(10)	0.26 U
12/05/22	(10)	0.27 U	(10)	0.26 U	(10)	0.27 U	(10)	0.26 U
06/13/23	(10)	0.27 UA	(10)	0.26 UA	(10)	0.27 UA	(10)	0.26 UA
12/01/23	(10)	0.38 U	(10)	0.41 U	(10)	0.27 U	(10)	0.26 U



TABLE 6

NPI VOC ANALYTICAL RESULTS FROM THE EAU CLAIRE MUNICIPAL WELL FIELD (2020-2023)NOTES:

Concentrations are in micrograms per liter ( $\mu\text{g}/\ell$ )/parts per billion (ppb).

Detected concentrations at or above an NR 140 PAL are in red font and italicized.

There are no results at or above an MCL/NR 140 ES.

Samples collected jointly by Gannett Fleming (GF) field staff and a City of Eau Claire Water Department representative. GF samples analyzed by U.S. Filter using EPA Method 524.2 (Safe Drinking Water Act required method), and city samples analyzed in-house using EPA Method 8260.

J = Estimated concentration below laboratory quantitation level.

MCL = Maximum contaminant level is the federal established health-based maximum permissible level of a contaminant in water that is delivered to any user of a public water supply system.

NS = Not sampled.

U = Compound not detected at or above this value, which is the detection limit.

FOOTNOTES:

(1) Sample collected from spigot on inlet line to Air Stripper Towers A and B. Well water routed through the air stripper included CW-11/15/16/17/19 prior to 04/25/17 and CW-17/19/22/23 starting on 04/25/17.

(2) Sampled collected from spigot on Tower A discharge line.

(3) Sampled collected from spigot on Tower B discharge line.

(4) Distribution system sample collected from drinking fountain or breakroom sink in the water treatment plant (WTP) prior to 08/29/17. Starting on 08/29/17, sample collected from exit port in basement of WTP.

(10) The City of Eau Claire stopped collecting samples as of 05/07/14.

NATIONAL PRESTO INDUSTRIES, INC.  
EAU CLAIRE, WISCONSIN

TABLE 7

SUMMARY OF DISSOLVED CADMIUM ANALYTICAL RESULTS (2020-2023)

Date	FN	MW-10A	MW-10B	MW-34A	MW-34B	MW-68B	MW-70B	MW-75
4/27/20	HS	<b>18.6</b>	NS	1.3 U	NS	NS	NS	NS
6/8/20	HS	<b>18.7</b>	NS	NS	NS	NS	NS	NS
8/24/20	HS	<b>23.4</b>	1.3 U	<i>3.9 J</i>	<i>2.1 J</i>	<i>3.5 J</i>	<b>5.8</b>	<i>1.8 J</i>
12/2/20	HS	<b>21.4</b>	NS	NS	NS	NS	NS	NS
3/16/21	HS	<b>16.7</b>	NS	<i>3.4 J</i>	NS	NS	NS	NS
5/24/21	HS	<b>14.7</b>	NS	NS	NS	NS	NS	NS
8/31/21	HS	<b>16.2</b>	1.3 U	<b>6.4</b>	<i>2.1 J</i>	<i>3.3 J</i>	<b>9.7</b>	<i>2.4 J</i>
11/29/21	HS	<b>16.5</b>	NS	NS	NS	NS	NS	NS
3/24/22	HS	<b>14.8</b>	NS	<b>6.4</b>	NS	NS	NS	NS
6/13/22	HS	<b>14.0</b>	NS	NS	NS	NS	NS	NS
8/30/22	HS	<b>14.4</b>	<i>3.9 J</i>	<b>5.2</b>	<i>1.6 J</i>	<i>2.5 J</i>	<b>5.8</b>	<i>2.0 J</i>
12/5/22	HS	<b>15.8</b>	NS	NS	NS	NS	NS	NS
3/21/23	HS	<b>11.6</b>	NS	<i>3.6 J</i>	NS	NS	NS	NS
6/12/23	HS	<b>9.9</b>	NS	NS	NS	NS	NS	NS
8/29/23	HS	<b>11.9</b>	<b>6.0</b>	<i>3.5 J</i>	1.3 U	<i>1.9 J</i>	<i>3.8 J</i>	<i>1.7 J</i>
11/30/23	HS	<b>12.8</b>	NS	NS	NS	NS	NS	NS

NOTES:

Concentrations are in micrograms per liter (µg/ℓ)/parts per billion (ppb).

The PAL for cadmium is 0.5 µg/ℓ: detected concentrations at or above the PAL are in red font and italicized.

The MCL/ES for cadmium is 5.0 µg/ℓ: detected concentrations at or above the MCL/ES are in red font and bold.

FN = Footnote.

HS = HydraSleeve.

J = Estimated concentration below laboratory quantitation level.

NS = Not sampled.

U = Compound not detected at or above the detection limit, which is the value shown.

NATIONAL PRESTO INDUSTRIES, INC.  
EAU CLAIRE, WISCONSIN

TABLE 8

NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 3/4 MONITORING WELLS & PIEZOMETERS (2020-2023)

Well ID Sample Date MCL/ES/PAL	Sample Method/ Level	NPI Volatile Organic Compound (VOC) Concentration (µg/l) and Results Qualifier(s)									
		1,1-DCA		1,1-DCE		PCE		1,1,1-TCA		TCE	
		None/850/85		7/7/0.7		5/5/0.5		200/200/40		5/5/0.5	
MW-5A (monitoring well at Grid Coordinate L6)											
06/08/20	M	0.27	U	0.24	U	0.33	U	0.24	U	0.26	U
05/24/21	M	0.30	U	0.58	U	0.41	U	0.30	U	0.32	U
06/13/22	M	0.30	U	0.58	U	0.41	U	0.30	U	0.32	U
06/12/23	M	0.30	U	0.58	U	0.41	U	0.30	U	0.32	U
MW-62AR (monitoring well at Grid Coordinate L6)											
06/08/20	M	0.27	U	0.24	U	0.33	U	0.29	J	0.26	U
05/24/21	M	0.30	U	0.58	U	0.41	U	0.30	U	0.32	U
06/13/22	M	0.30	U	0.58	U	0.41	U	0.30	U	0.32	U
06/12/23	M	0.30	U	0.58	U	0.41	U	0.30	U	0.32	U
MW-62B (piezometer at Grid Coordinate L6)											
06/08/20	M	0.27	U	0.24	U	0.33	U	0.24	U	0.26	U
05/24/21	M	0.30	U	0.58	U	0.41	U	0.30	U	0.32	U
06/12/23	M	0.30	U	0.58	U	0.41	U	0.30	U	0.32	U
MW-63A (monitoring well at Grid Coordinate M6 no longer scheduled for routine sampling)											
06/08/20	M	0.27	U	0.24	U	0.33	U	0.24	U	0.26	U
MW-65B (piezometer at Grid Coordinate L6)											
06/08/20	M	0.27	U	0.24	U	0.33	U	0.24	U	0.26	U
05/24/21	M	0.30	U	0.58	U	0.41	U	0.30	U	0.32	U
06/12/23	M	0.30	U	0.58	U	0.41	U	0.30	U	0.32	U
MW-65C (piezometer at Grid Coordinate L6)											
06/08/20	M	0.27	U	0.24	U	0.33	U	0.24	U	0.51	J
05/24/21	M	0.30	U	0.58	U	0.41	U	0.30	U	0.47	J
06/14/22	M	0.30	U	0.58	U	0.41	U	0.30	U	0.62	J
06/12/23	M	0.30	U	0.58	U	0.41	U	0.30	U	0.46	J
MW-66B (piezometer at Grid Coordinate L6 no longer scheduled for routine sampling)											
06/08/20	M	0.27	U	0.24	U	0.33	U	0.24	U	0.26	U

TABLE 8

NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 3/4 MONITORING WELLS & PIEZOMETERS (2020-2023)NOTES:

Concentrations are in micrograms per liter ( $\mu\text{g/L}$ )/parts per billion (ppb).

Detected concentrations at or above an applicable NR 140 PAL are in red font and italicized.

Detected concentrations at or above an applicable MCL/NR 140 ES are in red font and bold.

A = Average of original sample and duplicate. Began this approach in 2014.

B = Compound detected in blank.

CSH = Check standard for this analyte exhibited a high bias. Sample results may also be biased high.

CSL = Check standard for this analyte exhibited a low bias. Sample results may also be biased low.

D = Indicates initial analysis exceeded the calibration range, was diluted and re-analyzed.

Dup = Result of duplicate analysis in this quality assurance batch exceeds the limits for precision.

E = Concentration exceeds calibration range of instrument.

ISH = Internal standard recovery exceeds normal limits. Sample results may be biased low.

J = Estimated concentration below laboratory quantitation level.

MSH = Matrix spike recovery within analytical batch was high. Sample matrix appears similar to your sample; result may be biased high.

MSL = Matrix spike recovery within analytical batch was low. Sample matrix appears similar to your sample; result may be biased low.

NA = Not analyzed.

NS = Not sampled.

R = Unusable.

S1H = First sample matrix spike recovery was high.

S2H = Second sample matrix spike recovery was high.

SPH = Matrix spike recovery within analytical batch was high. Sample matrix appears similar to your sample; result may be biased high.

SPL = Matrix spike recovery within analytical batch was low. Sample matrix appears similar to your sample; result may be biased low.

U = Compound not detected at or above the detection limit, which is the value shown.

SAMPLE METHOD/LEVEL KEY:

B = Bailer.

HS = HydraSleeve.

LF = Low flow.

NR = Not recorded until 2009.

PDB = Passive diffusion bag.

H = PDB or HS in upper portion of saturated screened interval.

M = PDB or HS in middle portion of saturated screened interval.

L = PDB or HS in lower portion of saturated screened interval.

TABLE 9

NPI VOC ANALYTICAL RESULTS FROM MRDS EXTRACTION WELLS (2015-2017)

Well ID	Sample Date	Sample Method/ MCL/ES/PAL	NPI Volatile Organic Compound (VOC) Concentration (µg/l) and Results Qualifier(s)									
			1,1-DCA		1,1-DCE		PCE		1,1,1-TCA		TCE	
			None/850/85	7/7/0.7	5/5/0.5	5/5/0.5	200/200/40	5/5/0.5				
EW-1/1R (extraction well at Grid Coordinate L6) <sup>(1,2)</sup>												
03/23/15	G		0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
06/15/15	G		0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
12/07/15	H		0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
03/21/16	H		0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
03/21/16	M		0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
03/21/16	L		0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
06/13/16	H		0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
06/13/16	M		0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
06/13/16	L		0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
12/05/16	H		0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
12/05/16	M		0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
12/05/16	L		0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
03/20/17	H		0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
03/20/17	M		0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
03/20/17	L		0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
06/12/17	H		0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
06/12/17	M		0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
06/12/17	L		0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
08/28/17	H		0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
08/28/17	M		0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
08/28/17	L		0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
12/12/17	H		0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
12/12/17	M		0.24	UA	0.41	UA	0.50	UA	0.50	UA	0.33	UA
12/12/17	L		0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
EW-2 (extraction well at Grid Coordinate L6) <sup>(1)</sup>												
03/23/15	G		0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
06/15/15	G		0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
09/22/15	G		0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
12/07/15	G		0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
03/21/16	H		0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
06/13/16	H		0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
06/13/16	L		0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
12/05/16	H		0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
12/05/16	L		0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
03/20/17	H		0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
03/20/17	L		0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
06/12/17	H		0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
06/12/17	L		0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
08/28/17	H		0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
08/28/17	L		0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
12/12/17	H		0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
12/12/17	L		0.24	U	0.41	U	0.50	U	0.50	U	0.33	U

TABLE 9

NPI VOC ANALYTICAL RESULTS FROM MRDS EXTRACTION WELLS (2015-2017)NOTES:

Concentrations are in micrograms per liter ( $\mu\text{g}/\text{l}$ )/parts per billion (ppb).

Detected concentrations at or above an applicable NR 140 PAL are in red font and italicized.

There are no concentrations at or above an applicable MCL/NR 140 ES.

A = Average of original sample and duplicate. Began this approach in 2014.

B = Compound detected in blank.

CSH = Check standard for this analyte exhibited a high bias. Sample results may also be biased high.

CSL = Check standard for this analyte exhibited a low bias. Sample results may also be biased low.

D = Indicates initial analysis exceeded the calibration range, was diluted and re-analyzed.

Dup = Result of duplicate analysis in this quality assurance batch exceeds the limits for precision.

E = Concentration exceeds calibration range of instrument.

ISH = Internal standard recovery exceeds normal limits. Sample results may be biased low.

J = Estimated concentration below laboratory quantitation level.

MSH = Matrix spike recovery within analytical batch was high. Sample matrix appears similar to your sample; result may be biased high.

MSL = Matrix spike recovery within analytical batch was low. Sample matrix appears similar to your sample; result may be biased low.

NA = Not analyzed.

ND = Not detected at or above the detection limit. Switched from ND to U results qualifier in September 1997.

NS = Not sampled.

R = Unusable.

S1H = First sample matrix spike recovery was high.

S2H = Second sample matrix spike recovery was high.

SPH = Matrix spike recovery within analytical batch was high. Sample matrix appears similar to your sample; result may be biased high.

SPL = Matrix spike recovery within analytical batch was low. Sample matrix appears similar to your sample; result may be biased low.

U = Compound not detected at or above the detection limit, which is the value shown.

SAMPLE METHOD/LEVEL KEY:

B = Bailer.

G = Grab sample collected from sample tap while the extraction well was pumping groundwater.

HS = HydraSleeve.

LF = Low flow.

PDB = Passive diffusion bag.

H = PDB or HS in upper portion of saturated screened interval.

M = PDB or HS in middle portion of saturated screened interval.

L = PDB or HS in lower portion of saturated screened interval.

FOOTNOTES:

(1) EW-1R & EW-2 have been shut down since October 2010 & NPI stopped sampling both wells in 2018, as approved by both agencies.

(2) EW-1R replaced EW-1 in September 1995.

(3) Pump down for repairs.



NATIONAL PRESTO INDUSTRIES, INC.  
EAU CLAIRE, WISCONSIN

TABLE 10

ANNUAL PUMPAGE (MG) FROM NPI GROUNDWATER EXTRACTION WELLS (2020-2023)

Year	MRDS Operations			Southwest Corner Operations					Combined Discharge to Storm Sewer
	EW-1/1R	EW-2	CAS-1	EW-3	EW-4	EW-5	EW-6	CAS-2/2R	
2020	NO	NO	NO	abnd	abnd	NO	89.69	89.69	89.69
2021	NO	NO	NO	abnd	abnd	NO	57.90	57.90	57.90
2022	NO	NO	NO	abnd	abnd	NO	84.60	84.60	84.60
2023	NO	NO	NO	abnd	abnd	NO	13.40	13.40	13.40
TOTALS <sup>(1)</sup>	822.90	713.09	1,535.99	251.59	1,097.19	935.49	1,007.79	3,292.06	4,828.05

NOTES:

Units are in millions of gallons (MG).

CAS-1 and CAS-2/2R were/are cascade aerators serving the extraction wells shown and discharge to the storm sewer via manhole MH-18.

EW-3 was turned off in August 2003 when its pump failed. The well was abandoned on June 24, 2010.

EW-4 was turned off and abandoned in October 2010.

EW-5 began full-time operation on January 8, 2004, and stopped operating on September 12, 2015.

EW-6 began operating in late October 2011. Temporary trial shutdowns were conducted in 2016 and 2021. On February 23, 2023, EW-6 was taken offline at 11:00 to start an agency-approved trial shutdown.

abnd = Abandoned and not operating.

NO = Not operated in year shown.

FOOTNOTE:

(1) TOTALS = Pumpage volumes since March 1994, when full-scale pumping operations first began at NPI.

NATIONAL PRESTO INDUSTRIES, INC.  
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TABLE 11

TCA IN NPI PUMPED GROUNDWATER & ESTIMATED PERCENT REMOVAL BY CASCADE AERATION (2020-2023)

Sample Date/ Month-Yr	FN	MRDS Extraction Wells		CAS-1		Southwest Corner Extraction Wells				CAS-2/2R		Manhole MH-18		
		EW-1/1R	EW-2	Effluent	Percent Removal	EW-3	EW-4	EW-5	EW-6	RQ	Effluent	Percent Removal	Effluent	RQ
03/26/20		NO	NO	NO	na	abnd	abnd	NO	1.3		NS	49	0.66	J
06/08/20		NO	NO	NO	na	abnd	abnd	NO	1.03	JA	NS	40	0.62	J
08/24/20		NO	NO	NO	na	abnd	abnd	NO	1.1	A	NS	37	0.69	J
12/02/20		NO	NO	NO	na	abnd	abnd	NO	0.81	JA	NS	48	0.42	J
03/16/21		NO	NO	NO	na	abnd	abnd	NO	1.2	A	NS	45	0.66	J
05/24/21		NO	NO	NO	na	abnd	abnd	NO	1.25	A	NS	69	0.39	JA
08/31/21		NO	NO	NO	na	abnd	abnd	NO	0.86	JA	NS	36	0.55	J
11/29/21		NO	NO	NO	na	abnd	abnd	NO	1.9	A	NS	na	NS	
03/24/22		NO	NO	NO	na	abnd	abnd	NO	0.71	JA	NS	48	0.37	J
06/14/22		NO	NO	NO	na	abnd	abnd	NO	0.88	J	NS	43	0.50	J
08/30/22		NO	NO	NO	na	abnd	abnd	NO	0.60	JA	NS	38	0.37	J
03/21/23		NO	NO	NO	na	abnd	abnd	NO	0.32	UA	NS	na	NS	
06/13/23		NO	NO	NO	na	abnd	abnd	NO	2.25	A	NS	na	NS	
08/29/23		NO	NO	NO	na	abnd	abnd	NO	3.3	A	NS	33	2.2	
11/30/23		NO	NO	NO	na	abnd	abnd	NO	6.5	A	NS	32	4.4	

**NOTES:**

Concentrations in micrograms per liter (µg/l) and sampling frequency reduced from monthly to quarterly after Nov. 1998.

A = Average of original sample and duplicate. Began this approach in 2014.

abnd = Abandoned and not operating.

FN = Footnotes (see below, if any).

J = Estimated concentration below laboratory quantitation level.

na = Not applicable.

NI = Not installed and operating.

NO = Not operating.

NS = Not sampled.

RQ = Results qualifier.

U = Compound not detected at or above this value, which is the detection limit.

NATIONAL PRESTO INDUSTRIES, INC.  
EAU CLAIRE, WISCONSIN

TABLE 12

TCE IN NPI PUMPED GROUNDWATER & ESTIMATED PERCENT REMOVAL BY CASCADE AERATION (2020-2023)

Sample Date/ Month-Yr	FN	MRDS Extraction Wells		CAS-1		Southwest Corner Extraction Wells					CAS-2/2R		Manhole MH-18	
		EW-1/1R	EW-2	Effluent	Percent Removal	EW-3	EW-4	EW-5	EW-6	RQ	Effluent	Percent Removal	Effluent	RQ
03/26/20		NO	NO	NO	na	abnd	abnd	NO	0.73	J	NS	32	0.50	J
06/08/20		NO	NO	NO	na	abnd	abnd	NO	0.75	JA	NS	23	0.57	J
08/24/20		NO	NO	NO	na	abnd	abnd	NO	0.88	JA	NS	24	0.67	J
12/02/20		NO	NO	NO	na	abnd	abnd	NO	0.74	JA	NS	16	0.62	J
03/16/21		NO	NO	NO	na	abnd	abnd	NO	0.82	JA	NS	34	0.54	J
05/24/21		NO	NO	NO	na	abnd	abnd	NO	0.75	JA	NS	57	0.32	U
08/31/21		NO	NO	NO	na	abnd	abnd	NO	0.98	JA	NS	25	0.73	J
11/29/21		NO	NO	NO	na	abnd	abnd	NO	2.25	A	NS	na	NS	
03/24/22		NO	NO	NO	na	abnd	abnd	NO	0.78	JA	NS	35	0.51	J
06/14/22		NO	NO	NO	na	abnd	abnd	NO	1.2		NS	30	0.84	J
08/30/22		NO	NO	NO	na	abnd	abnd	NO	0.99	JA	NS	31	0.68	J
03/21/23		NO	NO	NO	na	abnd	abnd	NO	0.32	UA	NS	na	NS	
06/13/23		NO	NO	NO	na	abnd	abnd	NO	2.7	A	NS	na	NS	
08/29/23		NO	NO	NO	na	abnd	abnd	NO	2.55	A	NS	22	2.0	
11/30/23		NO	NO	NO	na	abnd	abnd	NO	2.6	A	NS	27	1.9	

**NOTES:**

Concentrations in micrograms per liter (µg/ℓ) and sampling frequency reduced from monthly to quarterly after Nov. 1998.

A = Average of original sample and duplicate. Began this approach in 2014.

abnd = Abandoned and not operating.

FN = Footnotes (see below, if any).

J = Estimated concentration below laboratory quantitation level.

na = Not applicable.

NI = Not installed and operating.

NO = Not operating.

NS = Not sampled.

RQ = Results qualifier.

U = Compound not detected at or above this value, which is the detection limit.

NATIONAL PRESTO INDUSTRIES, INC.  
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TABLE 13

SUMMARY OF RESULTS FROM MANHOLE MH-18 SAMPLING (2020-2023)

Sample Date	Substance Concentration (µg/l) and Results Qualifier(s)											
	Cadmium	NPI Volatile Organic Compounds										
		1,1-DCA	1,1-DCE	PCE	1,1,1-TCA	TCE						
03/26/20	NA		0.27	U	0.24	U	0.33	U	0.66	J	0.50	J
06/08/20	NA		0.27	U	0.24	U	0.33	U	0.62	J	0.57	J
08/24/20	1.3	U	0.27	U	0.24	U	0.33	U	0.69	J	0.67	J
12/02/20	NA		0.27	U	0.24	U	0.33	U	0.42	J	0.62	J
03/16/21	NA		0.27	UJ	0.24	U	0.33	U	0.66	J	0.54	J
05/25/21	NA		0.30	UA	0.58	UA	0.41	UA	0.39	JA	0.32	UA
08/31/21	1.3	U	0.30	U	0.58	U	0.41	U	0.55	J	0.73	J
11/29/21	No quarterly sample collected in Q4 2021 because all NPI groundwater extraction wells were shut down											
03/24/22	NA		0.30	U	0.58	U	0.41	U	0.37	J	0.51	J
06/14/22	NA		0.30	U	0.58	U	0.41	U	0.50	J	0.84	J
08/30/22	1.3	U	0.30	U	0.58	U	0.41	U	0.37	J	0.68	J
12/05/22	No quarterly sample collected in Q4 2022 because all NPI groundwater extraction wells were shut down											
08/29/23	1.3	U	1.4		0.58	U	0.72	J	2.2		2.0	
11/30/23	NA		2.0		0.58	U	0.72	J	4.4		1.9	

**NOTES:**

Concentrations are in micrograms per liter (µg/l).

A quarterly sample for NPI VOC analysis is routinely collected from MH-18 for discharge monitoring. In April 2018, the WDNR updated MH-18's analyte list, if one or more NPI groundwater extraction well is online, to also include:

Total recoverable cadmium, annually.

The priority pollutants in 2018 and every 5 years thereafter until discharges cease. See text of report for details.

A = Average of original sample and duplicate. Began this approach in 2014.

J = Estimated concentration below laboratory quantitation level.

NA = Not analyzed.

U = Compound not detected at or above this value, which is the detection limit.

NATIONAL PRESTO INDUSTRIES, INC.  
EAU CLAIRE, WISCONSIN

TABLE 14

GROUNDWATER SAMPLING AND WELL/PIEZOMETER ABANDONMENT SCHEDULE FOR 2024

Plume Grouping Sample ID	Grid ID/ Sample Location	Current Sampling Frequency		Proposed Sampling Frequency		Comments and/or Description of Change (in red text) as it Applies to Sampling Frequency (SF) for NPI VOCs or if Well Abandonment is Scheduled/Proposed  (A=Annual, B=Biennial, Chg=Change, ND=non-detect, SA=Semi-annual)
		NPI VOCs	Cadmium <sup>(1)</sup>	NPI VOCs	Cadmium <sup>(1)</sup>	
Former Plume 1/2						
CW-19	B7	None	None	None	None	Sample if in service/requested by City of Eau Claire (see text of annual report for details)
CW-22	C7	None	None	None	None	"
CW-23	B7	None	None	None	None	"
Raw	Air stripper bldg	None	None	None	None	"
Tower A	Air stripper bldg	None	None	None	None	"
Tower B	Air stripper bldg	None	None	None	None	"
Finished water	Water plant	Semi-annual	None	Semi-annual	None	
EC-1	C7	Annual	None	Annual	None	
EC-2	C7	None	None	None	None	
EC-5	C7	None	None	None	None	
EC-6	C7	None	None	None	None	
EW-5	K7	None	None	None	None	
EW-6	K7	Quarterly	None	Quarterly	None	Well offline for trial shutdown (see text of annual report for details)
CAS-2R	K7	None	None	None	None	Use results from MH-18; NPI believes water quality is essentially the same <sup>(2)</sup>
MH-18	K7	None	None	None	None	Groundwater pumping discharges have ceased with trial shutdown of EW-6 <sup>(3)</sup>
MW-4A	K7	Quarterly	None	Quarterly	None	Quarterly sampling in 2024 for NPI VOCs during trial shutdown of EW-6
MW-4B	K7	Quarterly	None	Quarterly	None	"
MW-10A	K8	None	Quarterly	None	Quarterly	
MW-10B	K8	None	Annual	None	Annual	
MW-11A	K7	None	None	None	None	
MW-23A	J7	Annual	None	Annual	None	

TABLE 14

## GROUNDWATER SAMPLING AND WELL/PIEZOMETER ABANDONMENT SCHEDULE FOR 2024

Plume Grouping Sample ID	Grid ID/ Sample Location	Current Sampling Frequency		Proposed Sampling Frequency		Comments and/or Description of Change (in red text) as it Applies to Sampling Frequency (SF) for NPI VOCs or if Well Abandonment is Scheduled/Proposed  (A=Annual, B=Biennial, Chg=Change, ND=non-detect, SA=Semi-annual)
		NPI VOCs	Cadmium <sup>(1)</sup>	NPI VOCs	Cadmium <sup>(1)</sup>	
MW-23B	J7	Annual	None	Annual	None	
MW-34A	K8	Semi-annual	Semi-annual	Semi-annual	Semi-annual	
MW-34B	K8	None	Annual	None	Annual	
MW-34C	K8	None	None	None	None	
MW-35A	I7	Annual	None	Biennial	None	Chg SF for NPI VOCs from A to B; TCE<5 ppb since 4/01/08 and <1.1 ppb since 5/25/21
MW-35B	I7	Annual	None	Biennial	None	Chg SF for NPI VOCs from A to B; TCE<3.1 ppb always and <1.1 ppb since 6/12/19
MW-37A	I7	None	None	None	None	
MW-37B	I7	None	None	None	None	
MW-38A	I8	Annual	None	Biennial	None	Chg SF for NPI VOCs from A to B; TCE<5 ppb since 7/12/05 and <2.0 ppb since 6/8/20
MW-38B	I8	Annual	None	Biennial	None	Chg SF for NPI VOCs from A to B; TCE<5 ppb since 3/29/11 and <3.5 ppb since 6/14/21
MW-38C	I8	Annual	None	Biennial	None	Chg SF for NPI VOCs from A to B; TCE<4.1 ppb always and <1.7 ppb since 6/8/20
MW-41A	H8	Annual	None	Biennial	None	Chg SF for NPI VOCs from A to B; TCE<5 ppb since 5/23/00 and <2.5 ppb since 6/11/19
MW-41B	H8	Annual	None	Biennial	None	Chg SF for NPI VOCs from A to B; TCE<5 since 5/23/00 and <3 ppb since 6/17/15
MW-43A	H7	Annual	None	Biennial	None	Chg SF for NPI VOCs from A to B; TCE<5 ppb since 3/16/98 and <3.6 ppb since 6/11/19
MW-43B	H7	Annual	None	Biennial	None	Chg SF for NPI VOCs from A to B; TCE<5 ppb since 12/16/91 and <2.2 ppb since 6/14/16
MW-46A	G7	Lost	None	Lost	None	If found, sample once for NPI VOC analysis and evaluate
MW-46B	G7	Lost	None	Lost	None	If found, sample once for NPI VOC analysis and evaluate
MW-46C	G7	Lost	None	Lost	None	If found, sample once for NPI VOC analysis and evaluate
MW-49A	D6	Biennial	None	Biennial	None	
MW-49B	D6	None	None	None	None	
MW-50A	F6	Lost	None	Lost	None	If found, sample once for NPI VOC analysis and evaluate
MW-50B	F6	Lost	None	Lost	None	If found, sample once for NPI VOC analysis and evaluate
MW-51A	F6	None	None	None	None	
MW-51B	F6	Annual	None	Biennial	None	Chg SF for NPI VOCs from A to B; TCE<5 ppb since 6/19/14 and <4.5 ppb since 6/13/17
MW-52A	F6	Annual	None	Biennial	None	Chg SF for NPI VOCs from A to B; TCE<4.5 ppb always and <3.7 ppb since 6/20/18



TABLE 14

## GROUNDWATER SAMPLING AND WELL/PIEZOMETER ABANDONMENT SCHEDULE FOR 2024

Plume Grouping Sample ID	Grid ID/ Sample Location	Current Sampling Frequency		Proposed Sampling Frequency		Comments and/or Description of Change (in red text) as it Applies to Sampling Frequency (SF) for NPI VOCs or if Well Abandonment is Scheduled/Proposed (A=Annual, B=Biennial, Chg=Change, ND=non-detect, SA=Semi-annual)
		NPI VOCs	Cadmium <sup>(1)</sup>	NPI VOCs	Cadmium <sup>(1)</sup>	
MW-52B	F6	Annual	None	Biennial	None	Chg SF for NPI VOCs from A to B; TCE<5 ppb since 6/20/18 and <3.8 ppb since 6/11/20
MW-53A	E6	Biennial	None	Biennial	None	
MW-53B	E6	Annual	None	Biennial	None	Chg SF for NPI VOCs from A to B; TCE<5 ppb since 7/26/06 and <4.1 ppb since 6/20/18
MW-54A	D6	None	None	None	None	
MW-54B	D6	Annual	None	Biennial	None	Chg SF for NPI VOCs from A to B; TCE<5 ppb always and <4.5 ppb since 6/20/18
MW-54C	D6	Annual	None	Biennial	None	Chg SF for NPI VOCs from A to B; TCE<5 ppb since 6/16/15 and <4.1 ppb since 6/11/20
MW-55A	D6	None	None	None	None	
MW-55B	D6	Annual	None	Biennial	None	Chg SF for NPI VOCs from A to B; TCE<5 ppb always and <2.1 ppb since 6/11/19
MW-55C	D6	Biennial	None	Biennial	None	
MW-59A	F6	Lost	None	Lost	None	If found, sample once for NPI VOC analysis and evaluate
MW-59B	F6	Lost	None	Lost	None	If found, sample once for NPI VOC analysis and evaluate
MW-61A	C6	None	None	None	None	
MW-61B	C6	None	None	None	None	
MW-68A	J7	Annual	None	Annual	None	
MW-68B	J7	Annual	Annual	Annual	Annual	
MW-69A	J8	None	None	None	None	
MW-69B	J8	None	None	None	None	
MW-70A	K8	Quarterly	None	Quarterly	None	
MW-70B	K8	None	Annual	None	Annual	
MW-74A	J8	None	None	None	None	
MW-74B	J8	None	None	None	None	
MW-75	K8	None	Annual	None	Annual	
MW-76A	K7	Quarterly	None	Quarterly	None	Quarterly sampling in 2024 for NPI VOCs during trial shutdown of EW-6
MW-76B	K7	Quarterly	None	Quarterly	None	"
MW-77A	K7	Quarterly	None	Quarterly	None	"

TABLE 14

## GROUNDWATER SAMPLING AND WELL/PIEZOMETER ABANDONMENT SCHEDULE FOR 2024

Plume Grouping Sample ID	Grid ID/ Sample Location	Current Sampling Frequency		Proposed Sampling Frequency		Comments and/or Description of Change (in red text) as it Applies to Sampling Frequency (SF) for NPI VOCs or if Well Abandonment is Scheduled/Proposed  (A=Annual, B=Biennial, Chg=Change, ND=non-detect, SA=Semi-annual)
		NPI VOCs	Cadmium <sup>(1)</sup>	NPI VOCs	Cadmium <sup>(1)</sup>	
MW-77B	K7	Quarterly	None	Quarterly	None	Quarterly sampling in 2024 for NPI VOCs during trial shutdown of EW-6
MW-77C	K7	Quarterly	None	Quarterly	None	"
RW-2A	J7	Quarterly	None	Quarterly	None	"
RW-2B	J7	Quarterly	None	Quarterly	None	"
RW-2C	J7	Quarterly	None	Quarterly	None	"
RW-3A	C6	Annual	None	Annual	None	
RW-3B	C6	Annual	None	Annual	None	
RW-3C	C6	Annual	None	Annual	None	
RW-15	J7	Annual	None	Biennial	None	Chg SF for NPI VOCs from A to B; TCE<5 ppb since 10/18/11 and <4.4 ppb since 12/13/17
RW-16	G7	Annual	None	Biennial	None	Chg SF for NPI VOCs from A to B; TCE<5 ppb since 6/15/95 and <2.7 ppb since 6/14/15
RW-16B	G7	Annual	None	Biennial	None	Chg SF for NPI VOCs from A to B; TCE<5 ppb since 10/19/11 and <3.2 ppb since 6/19/18
RW-16C	G7	Annual	None	Biennial	None	Chg SF for NPI VOCs from A to B; TCE<5 since 5/23/00 and <3.9 ppb since 6/19/18
RW-18	H8	None	None	None	None	If found, sample once for NPI VOC analysis and evaluate
RW-23	H7	Lost	None	Lost	None	If found, sample once for NPI VOC analysis and evaluate
WW-15	I8	Annual	None	Biennial	None	Chg SF for NPI VOCs from A to B; TCE<5 ppb always and <1.3 ppb since 6/13/17
Former Plume 3/4						
EW-1R <sup>(4)</sup>	L6	None	None	None	None	Quarterly sampling for NPI VOC analysis if EW-1R resumes pumping
EW-2 <sup>(4)</sup>	L6	None	None	None	None	Quarterly sampling for NPI VOC analysis if EW-2 resumes pumping
CAS-1	L6	None	None	None	None	Quarterly sampling for NPI VOC analysis if EW-1R and/or EW-2 resume pumping
MW-5A	L6	Annual	None	Annual	None	Re-evaluate SF for NPI VOCs if EW-1R and/or EW-2 resume pumping <sup>(4,5)</sup>
MW-12A	L7	None	None	None	None	
MW-13A	L7	None	None	None	None	
MW-18	M7	None	None	None	None	
MW-62AR	L6	Annual	None	Annual	None	Re-evaluate SF for NPI VOC analysis if EW-1R and/or EW-2 resume pumping <sup>(4,5)</sup>
MW-62B	L6	Biennial	None	Biennial	None	Re-evaluate SF for NPI VOC analysis if EW-1R and/or EW-2 resume pumping <sup>(4,5)</sup>

TABLE 14

GROUNDWATER SAMPLING AND WELL/PIEZOMETER ABANDONMENT SCHEDULE FOR 2024

Plume Grouping Sample ID	Grid ID/ Sample Location	Current Sampling Frequency		Proposed Sampling Frequency		Comments and/or Description of Change (in red text) as it Applies to Sampling Frequency (SF) for NPI VOCs or if Well Abandonment is Scheduled/Proposed  (A=Annual, B=Biennial, Chg=Change, ND=non-detect, SA=Semi-annual)
		NPI VOCs	Cadmium <sup>(1)</sup>	NPI VOCs	Cadmium <sup>(1)</sup>	
MW-63A	M6	None	None	None	None	Re-evaluate SF for NPI VOC analysis if EW-1R and/or EW-2 resume pumping <sup>(4,5)</sup>
MW-65A	L6	None	None	None	None	Re-evaluate SF for NPI VOC analysis if EW-1R and/or EW-2 resume pumping <sup>(4,5)</sup>
MW-65B	L6	Biennial	None	Biennial	None	Re-evaluate SF for NPI VOC analysis if EW-1R and/or EW-2 resume pumping <sup>(4,5)</sup>
MW-65C	L6	Annual	None	Annual	None	Re-evaluate SF for NPI VOC analysis if EW-1R and/or EW-2 resume pumping <sup>(4,5)</sup>
MW-66A	L6	None	None	None	None	
MW-66B	L6	None	None	None	None	

NOTES:

Biennial = Sample collection and analysis in odd years only.

Lost = Well/piezometer has been lost. If the well/piezometer is found, then it will be sampled once for NPI VOC analysis, and the results will be evaluated to determine if additional sampling is necessary.

NPI VOCs = 1,1-DCA; 1,1-DCE; PCE; 1,1,1-TCA; and TCE.

Semi-annual = Semi-annual samples collected in second/fourth quarters (Q2/Q4); annual & biennial samples collected in Q2, except annual samples for Cd collected in Q3.

FOOTNOTES:

(1) Sampling frequency for cadmium (Cd) wells/piezometers is annual (in Q3) except quarterly for MW-10A and semi-annual (in Q1 and Q3) for MW-34A.

(2) CAS-2R and MH-18 are located within 60 feet of each other. Consequently, NPI samples MH-18 only if one or more extraction wells are pumping, not both MH-18 and CAS-2R.

(3) Re-evaluate sampling frequency for NPI VOCs, Cd, and priority pollutants analysis if groundwater pumping discharges resume.

(4) Pumping from and quarterly sampling of EW-1R and/or EW-2 for NPI VOCs will resume if an increasing trend in TCE or 1,1,1-TCA is observed in any of the active MRDS monitoring wells/piezometers (MW-5A, MW-62AR/B, and MW-65B/C).

(5) Re-evaluate sampling frequency for NPI VOC analysis if EW-1R and/or EW-2 resume pumping.

NATIONAL PRESTO INDUSTRIES, INC.  
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TABLE 15

LONG-TERM STEWARDSHIP PLAN VERIFICATION/CONFIRMATION SUMMARY FOR 2023 <sup>(1)</sup>

Ref. No.	Institutional Control (IC)/Continuing Obligation (CO)		Monitoring Method	Comment
	Description	Objective		
1	Cap maintenance at the MRDS	Maintain integrity of cap	Conduct inspections and maintenance activities per O&M manual.	Completed <sup>(2)</sup>
			Verify absence of prohibited activity and integrity of cap.	Verified
2	Cover maintenance at the LDA	Maintain integrity of cover	Conduct inspections and maintenance activities per plan.	Completed <sup>(2)</sup>
			Verify absence of prohibited activity and integrity of cover system.	Verified
3	County & municipal ordinances	Prevent human consumption of contaminated groundwater (GW) until GW clean-up goals are achieved.	Verify that Chippewa County requires a permit for the construction of any new private water supply well.	Verified
			Verify that Eau Claire ordinances restricting private wells and cross connections remain in place and effective.	Verified
			Verify that Village of Lake Hallie ordinances restricting private wells and cross connections remain in place and effective.	Verified
			Verify that Eau Claire ordinances to prevent acts that would compromise integrity of the ECMWF air stripper remain in place and effective.	Completed <sup>(3)</sup>
4	Deed restriction for the MRDS	Maintain integrity of remedy & prevent residential & GW use	Verify that restrictive covenants have been properly recorded.	Verified
5	Informational maps	Inform public	Review and improve maps.	Completed <sup>(4)</sup>
6	Local zoning	Prevent exposure	Verify that City of Eau Claire Parcel #16-0429 is zoned industrial.	Verified
7	Lost-well abandonment CO	Meet WAC	Confirm commitment to properly abandon any lost well if found.	Confirmed
8	Wisconsin Admin. Code (WAC)	See "Monitoring Method" column	Review WAC for changes to code citations in the ICIAP (ch. NR 811).	Reviewed
		See "Monitoring Method" column	Verify that no new private or public water supply wells have been placed in proximity to GW contaminated with NPI VOCs.	Verified
9	WRRD	Inform public and meet WAC	Review BRRTS 02-09-000267/FID 609038320 online postings for accuracy.	Reviewed

NOTE:

All acronyms are defined in the text of the annual report and/or the body of this table.

FOOTNOTES:

(1) This table summarizes the steps that NPI took to demonstrate that the site was inspected to ensure no inconsistent uses have occurred, certify that ICs remain in place and are effective, and document that any necessary contingency actions have been executed.

(2) Inspection conducted annually; maintenance performed as needed.

(3) Although a preventative act ordinance does not currently exist, the City of Eau Claire continues to maintain the ECMWF air stripper; hence it remains in place and effective.

(4) Review completed; area-wide map, etc. is updated each year for annual report, which is posted online for public viewing.

**APPENDIX A (available upon request)**

**HISTORICAL DATA SUMMARY WORKBOOKS**

**APPENDIX B (available upon request)**

**LABORATORY REPORTS FOR 2023 GROUNDWATER ANALYTICAL DATA**

April 06, 2023

**Project #34283.000 NPI**  
**Q1 Groundwater**  
**Reviewed by CCW**  
**4/6/2023**

Clifford Wright  
Gannett Fleming  
8040 Excelsior Drive, Ste 303  
Madison, WI 53717

RE: Project: NPI /34283.000 609038320  
Pace Project No.: 40259679

Dear Clifford Wright:

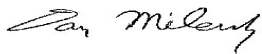
Enclosed are the analytical results for sample(s) received by the laboratory on March 22, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Dan Milewsky  
dan.milewsky@pacelabs.com  
(920)469-2436  
Project Manager

Enclosures

cc: Mary Gannon, MCW Scientific Solutions  
Marcus Mussey, Gannett Fleming Inc.



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: NPI /34283.000 609038320

Pace Project No.: 40259679

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### **Pace Analytical Services Green Bay**

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

South Carolina Certification #: 83006001

Texas Certification #: T104704529-21-8

Virginia VELAP Certification ID: 11873

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-21-00008

Federal Fish & Wildlife Permit #: 51774A

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: NPI /34283.000 609038320  
Pace Project No.: 40259679

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40259679001	EW-6	Water	03/21/23 11:40	03/22/23 09:40
40259679002	MW-4A	Water	03/21/23 11:10	03/22/23 09:40
40259679003	MW-4B	Water	03/21/23 11:15	03/22/23 09:40
40259679004	MW-10A	Water	03/21/23 10:35	03/22/23 09:40
40259679005	MW-34A	Water	03/21/23 10:55	03/22/23 09:40
40259679006	MW-70A	Water	03/21/23 10:45	03/22/23 09:40
40259679007	MW-76A	Water	03/21/23 11:45	03/22/23 09:40
40259679008	MW-76A DUP	Water	03/21/23 11:45	03/22/23 09:40
40259679009	EW-6 DUP	Water	03/21/23 11:40	03/22/23 09:40
40259679010	MW-76B	Water	03/21/23 12:00	03/22/23 09:40
40259679011	MW-77A	Water	03/21/23 13:10	03/22/23 09:40
40259679012	MW-77B	Water	03/21/23 13:15	03/22/23 09:40
40259679013	MW-77C	Water	03/21/23 13:20	03/22/23 09:40
40259679014	RW-2A	Water	03/21/23 13:45	03/22/23 09:40
40259679015	RW-2B	Water	03/21/23 13:30	03/22/23 09:40
40259679016	RW-2C	Water	03/21/23 13:35	03/22/23 09:40
40259679017	TRIP BLANK	Water	03/21/23 00:00	03/22/23 09:40

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: NPI /34283.000 609038320  
Pace Project No.: 40259679

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40259679001	EW-6	EPA 8260	CXJ	8	PASI-G
40259679002	MW-4A	EPA 8260	CXJ	8	PASI-G
40259679003	MW-4B	EPA 8260	CXJ	8	PASI-G
40259679004	MW-10A	EPA 6010D	SIS	1	PASI-G
40259679005	MW-34A	EPA 6010D	SIS	1	PASI-G
40259679006	MW-70A	EPA 8260	CXJ	8	PASI-G
40259679007	MW-76A	EPA 8260	CXJ	8	PASI-G
40259679008	MW-76A DUP	EPA 8260	CXJ	8	PASI-G
40259679009	EW-6 DUP	EPA 8260	CXJ	8	PASI-G
40259679010	MW-76B	EPA 8260	CXJ	8	PASI-G
40259679011	MW-77A	EPA 8260	CXJ	8	PASI-G
40259679012	MW-77B	EPA 8260	CXJ	8	PASI-G
40259679013	MW-77C	EPA 8260	CXJ	8	PASI-G
40259679014	RW-2A	EPA 8260	CXJ	8	PASI-G
40259679015	RW-2B	EPA 8260	CXJ	8	PASI-G
40259679016	RW-2C	EPA 8260	CXJ	8	PASI-G
40259679017	TRIP BLANK	EPA 8260	CXJ	8	PASI-G

PASI-G = Pace Analytical Services - Green Bay

### REPORT OF LABORATORY ANALYSIS

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## SUMMARY OF DETECTION

Project: NPI /34283.000 609038320  
Pace Project No.: 40259679

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>40259679004</b>	<b>MW-10A</b>					
EPA 6010D	Cadmium, Dissolved	11.6	ug/L	5.0	03/27/23 12:58	
<b>40259679005</b>	<b>MW-34A</b>					
EPA 6010D	Cadmium, Dissolved	3.6J	ug/L	5.0	03/27/23 13:06	
<b>40259679006</b>	<b>MW-70A</b>					
EPA 8260	Trichloroethene	0.52J	ug/L	1.0	03/24/23 10:44	
<b>40259679007</b>	<b>MW-76A</b>					
EPA 8260	1,1,1-Trichloroethane	0.56J	ug/L	1.0	03/24/23 11:01	
<b>40259679008</b>	<b>MW-76A DUP</b>					
EPA 8260	1,1,1-Trichloroethane	0.57J	ug/L	1.0	03/24/23 11:18	
<b>40259679011</b>	<b>MW-77A</b>					
EPA 8260	Trichloroethene	0.52J	ug/L	1.0	03/27/23 16:34	
<b>40259679012</b>	<b>MW-77B</b>					
EPA 8260	Trichloroethene	2.1	ug/L	1.0	03/27/23 16:51	
<b>40259679013</b>	<b>MW-77C</b>					
EPA 8260	Trichloroethene	1.0J	ug/L	1.0	03/27/23 17:09	
<b>40259679014</b>	<b>RW-2A</b>					
EPA 8260	Trichloroethene	1.1	ug/L	1.0	03/27/23 17:26	
<b>40259679015</b>	<b>RW-2B</b>					
EPA 8260	1,1,1-Trichloroethane	0.32J	ug/L	1.0	03/27/23 17:43	
EPA 8260	Trichloroethene	2.6	ug/L	1.0	03/27/23 17:43	
<b>40259679016</b>	<b>RW-2C</b>					
EPA 8260	Trichloroethene	1.7	ug/L	1.0	03/27/23 18:00	

## REPORT OF LABORATORY ANALYSIS

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## PROJECT NARRATIVE

Project: NPI /34283.000 609038320

Pace Project No.: 40259679

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**Method:** EPA 6010D

**Description:** 6010D MET ICP, Dissolved

**Client:** Gannett Fleming Inc.

**Date:** April 06, 2023

**General Information:**

2 samples were analyzed for EPA 6010D by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

**Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

**Sample Preparation:**

The samples were prepared in accordance with EPA 3010A with any exceptions noted below.

**Initial Calibrations (including MS Tune as applicable):**

All criteria were within method requirements with any exceptions noted below.

**Continuing Calibration:**

All criteria were within method requirements with any exceptions noted below.

**Method Blank:**

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

**Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

**Matrix Spikes:**

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

**Additional Comments:**

## REPORT OF LABORATORY ANALYSIS

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## PROJECT NARRATIVE

Project: NPI /34283.000 609038320

Pace Project No.: 40259679

---

**Method:** EPA 8260

**Description:** 8260 MSV

**Client:** Gannett Fleming Inc.

**Date:** April 06, 2023

**General Information:**

15 samples were analyzed for EPA 8260 by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

**Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

**Initial Calibrations (including MS Tune as applicable):**

All criteria were within method requirements with any exceptions noted below.

**Continuing Calibration:**

All criteria were within method requirements with any exceptions noted below.

**Internal Standards:**

All internal standards were within QC limits with any exceptions noted below.

**Surrogates:**

All surrogates were within QC limits with any exceptions noted below.

**Method Blank:**

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

**Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

**Matrix Spikes:**

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

**Additional Comments:**

This data package has been reviewed for quality and completeness and is approved for release.

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: NPI /34283.000 609038320

Pace Project No.: 40259679

**Sample: EW-6**      **Lab ID: 40259679001**      Collected: 03/21/23 11:40      Received: 03/22/23 09:40      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		03/24/23 09:52	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		03/24/23 09:52	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		03/24/23 09:52	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		03/24/23 09:52	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		03/24/23 09:52	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	110	%	70-130		1		03/24/23 09:52	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		03/24/23 09:52	2199-69-1	
Toluene-d8 (S)	108	%	70-130		1		03/24/23 09:52	2037-26-5	

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## ANALYTICAL RESULTS

Project: NPI /34283.000 609038320

Pace Project No.: 40259679

**Sample: MW-4A**      **Lab ID: 40259679002**      Collected: 03/21/23 11:10      Received: 03/22/23 09:40      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		03/24/23 10:09	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		03/24/23 10:09	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		03/24/23 10:09	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		03/24/23 10:09	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		03/24/23 10:09	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	110	%	70-130		1		03/24/23 10:09	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		03/24/23 10:09	2199-69-1	
Toluene-d8 (S)	107	%	70-130		1		03/24/23 10:09	2037-26-5	

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## ANALYTICAL RESULTS

Project: NPI /34283.000 609038320

Pace Project No.: 40259679

**Sample: MW-4B**      **Lab ID: 40259679003**      Collected: 03/21/23 11:15      Received: 03/22/23 09:40      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		03/24/23 10:27	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		03/24/23 10:27	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		03/24/23 10:27	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		03/24/23 10:27	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		03/24/23 10:27	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	110	%	70-130		1		03/24/23 10:27	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		03/24/23 10:27	2199-69-1	
Toluene-d8 (S)	107	%	70-130		1		03/24/23 10:27	2037-26-5	

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## ANALYTICAL RESULTS

Project: NPI /34283.000 609038320

Pace Project No.: 40259679

---

**Sample: MW-10A**      **Lab ID: 40259679004**    Collected: 03/21/23 10:35    Received: 03/22/23 09:40    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010D MET ICP, Dissolved</b>									
Analytical Method: EPA 6010D    Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Cadmium, Dissolved	<b>11.6</b>	ug/L	5.0	1.3	1	03/24/23 05:53	03/27/23 12:58	7440-43-9	

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### ANALYTICAL RESULTS

Project: NPI /34283.000 609038320

Pace Project No.: 40259679

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**Sample: MW-34A**      **Lab ID: 40259679005**      Collected: 03/21/23 10:55      Received: 03/22/23 09:40      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010D MET ICP, Dissolved</b>									
Analytical Method: EPA 6010D    Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Cadmium, Dissolved	<b>3.6J</b>	ug/L	5.0	1.3	1	03/24/23 05:53	03/27/23 13:06	7440-43-9	

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## ANALYTICAL RESULTS

Project: NPI /34283.000 609038320

Pace Project No.: 40259679

**Sample: MW-70A**      **Lab ID: 40259679006**      Collected: 03/21/23 10:45      Received: 03/22/23 09:40      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		03/24/23 10:44	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		03/24/23 10:44	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		03/24/23 10:44	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		03/24/23 10:44	127-18-4	
Trichloroethene	0.52J	ug/L	1.0	0.32	1		03/24/23 10:44	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	110	%	70-130		1		03/24/23 10:44	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		1		03/24/23 10:44	2199-69-1	
Toluene-d8 (S)	108	%	70-130		1		03/24/23 10:44	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NPI /34283.000 609038320

Pace Project No.: 40259679

**Sample: MW-76A**      **Lab ID: 40259679007**      Collected: 03/21/23 11:45      Received: 03/22/23 09:40      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<b>0.56J</b>	ug/L	1.0	0.30	1		03/24/23 11:01	71-55-6	
1,1-Dichloroethane	<b>&lt;0.30</b>	ug/L	1.0	0.30	1		03/24/23 11:01	75-34-3	
1,1-Dichloroethene	<b>&lt;0.58</b>	ug/L	1.0	0.58	1		03/24/23 11:01	75-35-4	
Tetrachloroethene	<b>&lt;0.41</b>	ug/L	1.0	0.41	1		03/24/23 11:01	127-18-4	
Trichloroethene	<b>&lt;0.32</b>	ug/L	1.0	0.32	1		03/24/23 11:01	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	108	%	70-130		1		03/24/23 11:01	460-00-4	
1,2-Dichlorobenzene-d4 (S)	97	%	70-130		1		03/24/23 11:01	2199-69-1	
Toluene-d8 (S)	107	%	70-130		1		03/24/23 11:01	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NPI /34283.000 609038320

Pace Project No.: 40259679

**Sample: MW-76A DUP**      **Lab ID: 40259679008**      Collected: 03/21/23 11:45      Received: 03/22/23 09:40      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<b>0.57J</b>	ug/L	1.0	0.30	1		03/24/23 11:18	71-55-6	
1,1-Dichloroethane	<b>&lt;0.30</b>	ug/L	1.0	0.30	1		03/24/23 11:18	75-34-3	
1,1-Dichloroethene	<b>&lt;0.58</b>	ug/L	1.0	0.58	1		03/24/23 11:18	75-35-4	
Tetrachloroethene	<b>&lt;0.41</b>	ug/L	1.0	0.41	1		03/24/23 11:18	127-18-4	
Trichloroethene	<b>&lt;0.32</b>	ug/L	1.0	0.32	1		03/24/23 11:18	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	111	%	70-130		1		03/24/23 11:18	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		03/24/23 11:18	2199-69-1	
Toluene-d8 (S)	108	%	70-130		1		03/24/23 11:18	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: NPI /34283.000 609038320

Pace Project No.: 40259679

**Sample: EW-6 DUP**      **Lab ID: 40259679009**      Collected: 03/21/23 11:40      Received: 03/22/23 09:40      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		03/24/23 11:35	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		03/24/23 11:35	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		03/24/23 11:35	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		03/24/23 11:35	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		03/24/23 11:35	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	112	%	70-130		1		03/24/23 11:35	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		03/24/23 11:35	2199-69-1	
Toluene-d8 (S)	109	%	70-130		1		03/24/23 11:35	2037-26-5	

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### ANALYTICAL RESULTS

Project: NPI /34283.000 609038320

Pace Project No.: 40259679

**Sample: MW-76B**      **Lab ID: 40259679010**      Collected: 03/21/23 12:00      Received: 03/22/23 09:40      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		03/27/23 16:17	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		03/27/23 16:17	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		03/27/23 16:17	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		03/27/23 16:17	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		03/27/23 16:17	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	111	%	70-130		1		03/27/23 16:17	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		03/27/23 16:17	2199-69-1	
Toluene-d8 (S)	105	%	70-130		1		03/27/23 16:17	2037-26-5	

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### ANALYTICAL RESULTS

Project: NPI /34283.000 609038320

Pace Project No.: 40259679

**Sample: MW-77A**      **Lab ID: 40259679011**      Collected: 03/21/23 13:10      Received: 03/22/23 09:40      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		03/27/23 16:34	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		03/27/23 16:34	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		03/27/23 16:34	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		03/27/23 16:34	127-18-4	
Trichloroethene	0.52J	ug/L	1.0	0.32	1		03/27/23 16:34	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	109	%	70-130		1		03/27/23 16:34	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		1		03/27/23 16:34	2199-69-1	
Toluene-d8 (S)	107	%	70-130		1		03/27/23 16:34	2037-26-5	

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## ANALYTICAL RESULTS

Project: NPI /34283.000 609038320

Pace Project No.: 40259679

**Sample: MW-77B**      **Lab ID: 40259679012**      Collected: 03/21/23 13:15      Received: 03/22/23 09:40      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		03/27/23 16:51	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		03/27/23 16:51	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		03/27/23 16:51	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		03/27/23 16:51	127-18-4	
Trichloroethene	2.1	ug/L	1.0	0.32	1		03/27/23 16:51	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	110	%	70-130		1		03/27/23 16:51	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		03/27/23 16:51	2199-69-1	
Toluene-d8 (S)	108	%	70-130		1		03/27/23 16:51	2037-26-5	

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## ANALYTICAL RESULTS

Project: NPI /34283.000 609038320

Pace Project No.: 40259679

**Sample: MW-77C**      **Lab ID: 40259679013**      Collected: 03/21/23 13:20      Received: 03/22/23 09:40      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		03/27/23 17:09	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		03/27/23 17:09	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		03/27/23 17:09	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		03/27/23 17:09	127-18-4	
Trichloroethene	1.0J	ug/L	1.0	0.32	1		03/27/23 17:09	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	113	%	70-130		1		03/27/23 17:09	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		03/27/23 17:09	2199-69-1	
Toluene-d8 (S)	110	%	70-130		1		03/27/23 17:09	2037-26-5	

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## ANALYTICAL RESULTS

Project: NPI /34283.000 609038320

Pace Project No.: 40259679

**Sample: RW-2A**      **Lab ID: 40259679014**      Collected: 03/21/23 13:45      Received: 03/22/23 09:40      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		03/27/23 17:26	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		03/27/23 17:26	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		03/27/23 17:26	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		03/27/23 17:26	127-18-4	
Trichloroethene	1.1	ug/L	1.0	0.32	1		03/27/23 17:26	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	111	%	70-130		1		03/27/23 17:26	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		03/27/23 17:26	2199-69-1	
Toluene-d8 (S)	108	%	70-130		1		03/27/23 17:26	2037-26-5	

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## ANALYTICAL RESULTS

Project: NPI /34283.000 609038320

Pace Project No.: 40259679

**Sample: RW-2B**      **Lab ID: 40259679015**      Collected: 03/21/23 13:30      Received: 03/22/23 09:40      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<b>0.32J</b>	ug/L	1.0	0.30	1		03/27/23 17:43	71-55-6	
1,1-Dichloroethane	<b>&lt;0.30</b>	ug/L	1.0	0.30	1		03/27/23 17:43	75-34-3	
1,1-Dichloroethene	<b>&lt;0.58</b>	ug/L	1.0	0.58	1		03/27/23 17:43	75-35-4	
Tetrachloroethene	<b>&lt;0.41</b>	ug/L	1.0	0.41	1		03/27/23 17:43	127-18-4	
Trichloroethene	<b>2.6</b>	ug/L	1.0	0.32	1		03/27/23 17:43	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	111	%	70-130		1		03/27/23 17:43	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		03/27/23 17:43	2199-69-1	
Toluene-d8 (S)	108	%	70-130		1		03/27/23 17:43	2037-26-5	

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## ANALYTICAL RESULTS

Project: NPI /34283.000 609038320

Pace Project No.: 40259679

**Sample: RW-2C**      **Lab ID: 40259679016**      Collected: 03/21/23 13:35      Received: 03/22/23 09:40      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		03/27/23 18:00	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		03/27/23 18:00	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		03/27/23 18:00	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		03/27/23 18:00	127-18-4	
Trichloroethene	1.7	ug/L	1.0	0.32	1		03/27/23 18:00	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	111	%	70-130		1		03/27/23 18:00	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		03/27/23 18:00	2199-69-1	
Toluene-d8 (S)	107	%	70-130		1		03/27/23 18:00	2037-26-5	

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### ANALYTICAL RESULTS

Project: NPI /34283.000 609038320

Pace Project No.: 40259679

**Sample: TRIP BLANK**      **Lab ID: 40259679017**      Collected: 03/21/23 00:00      Received: 03/22/23 09:40      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		03/27/23 15:26	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		03/27/23 15:26	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		03/27/23 15:26	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		03/27/23 15:26	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		03/27/23 15:26	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	109	%	70-130		1		03/27/23 15:26	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		1		03/27/23 15:26	2199-69-1	
Toluene-d8 (S)	106	%	70-130		1		03/27/23 15:26	2037-26-5	HS

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### QUALITY CONTROL DATA

Project: NPI /34283.000 609038320

Pace Project No.: 40259679

QC Batch: 440724	Analysis Method: EPA 6010D
QC Batch Method: EPA 3010A	Analysis Description: 6010D MET Dissolved
	Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40259679004, 40259679005

METHOD BLANK: 2530906 Matrix: Water

Associated Lab Samples: 40259679004, 40259679005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cadmium, Dissolved	ug/L	<1.3	5.0	03/27/23 13:10	

LABORATORY CONTROL SAMPLE: 2530907

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cadmium, Dissolved	ug/L	250	262	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2530908 2530909

Parameter	Units	2530908		2530909		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40259679004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Cadmium, Dissolved	ug/L	11.6	250	250	267	265	102	102	75-125	1	20

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### QUALITY CONTROL DATA

Project: NPI /34283.000 609038320  
Pace Project No.: 40259679

QC Batch: 440703	Analysis Method: EPA 8260
QC Batch Method: EPA 8260	Analysis Description: 8260 MSV
	Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40259679001, 40259679002, 40259679003, 40259679006, 40259679007, 40259679008, 40259679009

METHOD BLANK: 2530755 Matrix: Water  
Associated Lab Samples: 40259679001, 40259679002, 40259679003, 40259679006, 40259679007, 40259679008, 40259679009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.30	1.0	03/24/23 07:35	
1,1-Dichloroethane	ug/L	<0.30	1.0	03/24/23 07:35	
1,1-Dichloroethene	ug/L	<0.58	1.0	03/24/23 07:35	
Tetrachloroethene	ug/L	<0.41	1.0	03/24/23 07:35	
Trichloroethene	ug/L	<0.32	1.0	03/24/23 07:35	
1,2-Dichlorobenzene-d4 (S)	%	100	70-130	03/24/23 07:35	
4-Bromofluorobenzene (S)	%	111	70-130	03/24/23 07:35	
Toluene-d8 (S)	%	108	70-130	03/24/23 07:35	

LABORATORY CONTROL SAMPLE: 2530756

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	58.0	116	70-134	
1,1-Dichloroethane	ug/L	50	56.1	112	70-130	
1,1-Dichloroethene	ug/L	50	54.3	109	74-131	
Tetrachloroethene	ug/L	50	45.9	92	70-130	
Trichloroethene	ug/L	50	52.9	106	70-130	
1,2-Dichlorobenzene-d4 (S)	%			98	70-130	
4-Bromofluorobenzene (S)	%			112	70-130	
Toluene-d8 (S)	%			107	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2531000 2531001

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40259679001 Result	Spike Conc.	Spike Conc.	MS Result						
1,1,1-Trichloroethane	ug/L	<0.30	50	50	53.5	53.7	107	107	70-134	0	20
1,1-Dichloroethane	ug/L	<0.30	50	50	53.3	53.8	107	108	70-130	1	20
1,1-Dichloroethene	ug/L	<0.58	50	50	48.5	47.2	97	94	71-130	3	20
Tetrachloroethene	ug/L	<0.41	50	50	47.1	46.5	94	93	70-130	1	20
Trichloroethene	ug/L	<0.32	50	50	51.0	50.0	102	100	70-130	2	20
1,2-Dichlorobenzene-d4 (S)	%						98	97	70-130		
4-Bromofluorobenzene (S)	%						112	112	70-130		
Toluene-d8 (S)	%						111	108	70-130		

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### QUALITY CONTROL DATA

Project: NPI /34283.000 609038320  
Pace Project No.: 40259679

QC Batch:	440847	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40259679010, 40259679011, 40259679012, 40259679013, 40259679014, 40259679015, 40259679016, 40259679017

METHOD BLANK: 2531647 Matrix: Water  
Associated Lab Samples: 40259679010, 40259679011, 40259679012, 40259679013, 40259679014, 40259679015, 40259679016, 40259679017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.30	1.0	03/27/23 14:00	
1,1-Dichloroethane	ug/L	<0.30	1.0	03/27/23 14:00	
1,1-Dichloroethene	ug/L	<0.58	1.0	03/27/23 14:00	
Tetrachloroethene	ug/L	<0.41	1.0	03/27/23 14:00	
Trichloroethene	ug/L	<0.32	1.0	03/27/23 14:00	
1,2-Dichlorobenzene-d4 (S)	%	98	70-130	03/27/23 14:00	
4-Bromofluorobenzene (S)	%	111	70-130	03/27/23 14:00	
Toluene-d8 (S)	%	109	70-130	03/27/23 14:00	

LABORATORY CONTROL SAMPLE: 2531648

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	54.4	109	70-134	
1,1-Dichloroethane	ug/L	50	54.2	108	70-130	
1,1-Dichloroethene	ug/L	50	47.2	94	74-131	
Tetrachloroethene	ug/L	50	43.6	87	70-130	
Trichloroethene	ug/L	50	49.0	98	70-130	
1,2-Dichlorobenzene-d4 (S)	%			96	70-130	
4-Bromofluorobenzene (S)	%			110	70-130	
Toluene-d8 (S)	%			107	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2531710 2531711

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40259679010 Result	Spike Conc.	Spike Conc.	Result						
1,1,1-Trichloroethane	ug/L	<0.30	50	50	56.4	56.7	113	113	70-134	1	20
1,1-Dichloroethane	ug/L	<0.30	50	50	55.5	56.6	111	113	70-130	2	20
1,1-Dichloroethene	ug/L	<0.58	50	50	47.7	47.4	95	95	71-130	1	20
Tetrachloroethene	ug/L	<0.41	50	50	43.4	45.0	87	90	70-130	4	20
Trichloroethene	ug/L	<0.32	50	50	52.2	52.2	104	104	70-130	0	20
1,2-Dichlorobenzene-d4 (S)	%						98	97	70-130		
4-Bromofluorobenzene (S)	%						111	111	70-130		
Toluene-d8 (S)	%						108	109	70-130		

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## QUALIFIERS

Project: NPI /34283.000 609038320

Pace Project No.: 40259679

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### ANALYTE QUALIFIERS

HS Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NPI /34283.000 609038320  
Pace Project No.: 40259679

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40259679004	MW-10A	EPA 3010A	440724	EPA 6010D	440798
40259679005	MW-34A	EPA 3010A	440724	EPA 6010D	440798
40259679001	EW-6	EPA 8260	440703		
40259679002	MW-4A	EPA 8260	440703		
40259679003	MW-4B	EPA 8260	440703		
40259679006	MW-70A	EPA 8260	440703		
40259679007	MW-76A	EPA 8260	440703		
40259679008	MW-76A DUP	EPA 8260	440703		
40259679009	EW-6 DUP	EPA 8260	440703		
40259679010	MW-76B	EPA 8260	440847		
40259679011	MW-77A	EPA 8260	440847		
40259679012	MW-77B	EPA 8260	440847		
40259679013	MW-77C	EPA 8260	440847		
40259679014	RW-2A	EPA 8260	440847		
40259679015	RW-2B	EPA 8260	440847		
40259679016	RW-2C	EPA 8260	440847		
40259679017	TRIP BLANK	EPA 8260	440847		

### REPORT OF LABORATORY ANALYSIS

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# CHAIN-OF-CUSTODY Analytical Request Document

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <https://info.pacelabs.com/hubs/pas-standard-terms.pdf>  
Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

40259079

**ALL BOLD OUTLINED AREAS are for LAB USE ONLY**

Company: Gannett Fleming, Inc.	Billing Information: Derrick Paul National Presto Industries (NPI) 3925 N Hastings Way, Eau Claire, WI 54703
Address: 8040 Excelsior Dr., Suite 303 Madison, WI 53717	Email To: dpaul@gopresto.com
Report To: Cliff Wright	

Copy To:	Site Collection Info/Address: Same as Billing Info address above
----------	--

Customer Project Name/Number: NPI/34283.000	State: WI / Eau Claire [ ]PT [ ]MT [x]CT [ ]ET	County/City: [ ]PT [ ]MT [x]CT [ ]ET	Time Zone Collected:
---	--	--------------------------------------	----------------------

Phone: 608/695-3651 Email: cwright@gfnet.com	Site/Facility ID #: 609038320	Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): Chelsea Payne	Purchase Order #: 34283.600 Quote #: Pace 2022	DW PWS ID #: DW Location Code:
Collected By (signature):	Turnaround Date Required: Standard	Immediately Packed on Ice: [ ] Yes [ ] No
Sample Disposal: [x] Dispose as appropriate [ ] Return [ ] Archive [ ] Hold:	Rush: (Expedite Charges Apply) [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day	Field Filtered (if applicable): [x] Yes [ ] No Analysis: Dissolved Cd

\* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns	Container Type: Plastic (P) or Glass (G)	NPI Short-list VOCs	Dissolved cadmium (Cd)
			Date	Time	Date	Time					
EW-6	GW	Grab	3/2/23	11:40			7	G	X		
MW-4A				11:10			3		X		
MW-4B				11:15			3		X		
MW-10A				10:35			1	P		X	
MW-34A				10:55			1	P		X	
MW-70A				10:45			3	G	X		
MW-76A				11:45			2				
MW-76A dup				"			2				
EW-6 dup				11:40			2				
MW-76B				12:00			3				

Container Preservative Type **	Lab Project Manager:
--------------------------------	----------------------

\*\* Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

Analyses										Lab Profile/Line:	
										Lab Sample Receipt Checklist:	
										Custody Seals Present/Intact Y N NA	
										Custody Signatures Present Y N NA	
										Collector Signature Present Y N NA	
										Bottles Intact Y N NA	
										Correct Bottles Y N NA	
										Sufficient Volume Y N NA	
										Samples Received on Ice Y N NA	
										VOA - Headspace Acceptable Y N NA	
										USDA Regulated Soils Y N NA	
										Samples in Holding Time Y N NA	
										Residual Chlorine Present Y N NA	
										Cl Strips: _____	
										Sample pH Acceptable Y N NA	
										pH Strips: _____	
										Sulfide Present Y N NA	
										Lead Acetate Strips: _____	
										LAB USE ONLY:	
										Lab Sample # / Comments:	

Customer Remarks / Special Conditions / Possible Hazards: Please send copy of Level IV data package to Mary Gannon for validation and perform MS/MSD on VOC sample sets with six sample vials, if any, and/or as noted above.	Type of Ice Used: Wet Blue Dry None
Packing Material Used:	Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A
Lab Tracking #:
Samples received via: FEDEX UPS Client Courier Pace Courier

LAB Sample Temperature Info: Temp Blank Received: Y N NA Therm ID#: _____ Cooler 1 Temp Upon Receipt: ____ °C Cooler 1 Therm Corr Factor: ____ °C Cooler 1 Corrected Temp: ____ °C Comments:
--

Relinquished by/Company: (Signature) <i>[Signature]</i> / GF	Date/Time: 3/2/23 17:30
Relinquished by/Company: (Signature) <i>Fedex</i>	Date/Time: 3/22/23 09:40
Relinquished by/Company: (Signature)	Date/Time:

Received by/Company: (Signature)	Date/Time:
Received by/Company: (Signature) <i>[Signature]</i>	Date/Time: 3/22/23 09:40
Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY	
Table #:	①
Acctnum:	
Template:	
Prelogin:	
PM:	
PB:	

Trip Blank Received: Y N NA HCL MeOH TSP Other
Non Conformance(s) Page 80 of 33 YES / NO of: _____



# CHAIN-OF-CUSTODY Analytical Request Document

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <https://info.pacelabs.com/hubfs/pas-standard-terms.pdf>  
Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or  
MTJL Log-in Number Here

40259679

**ALL BOLD OUTLINED AREAS are for LAB USE ONLY**

Company: Gannett Fleming, Inc.		Billing Information: Derrick Paul	
Address: 8040 Excelsior Dr., Suite 303 Madison, WI 53717		National Presto Industries (NPI) 3925 N Hastings Way, Eau Claire, WI 54703	
Report To: Cliff Wright		Email To: dpaul@gopresto.com	
Copy To:		Site Collection Info/Address: Same as <i>Billing Info</i> address above	

Container Preservative Type **										Lab Project Manager:	
3	1										

\*\* Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

Customer Project Name/Number: NPI/34283.000		State: County/City: Time Zone Collected: WI / [ ]PT [ ]MT [x]CT [ ]ET	
Phone: 608/695-3651 Email: cwright@gfnet.com		Site/Facility ID #: 609038320	
Collected By (print): Chelsea Payne		Purchase Order #: Quote #: Pace 2022	
Collected By (signature):		Turnaround Date Required: Standard	
Sample Disposal: [x] Dispose as appropriate [ ] Return [ ] Archive [ ] Hold:		Rush: (Expedite Charges Apply) [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day	
		Compliance Monitoring? [ ] Yes [ ] No	
		DW PWS ID #: DW Location Code:	
		Immediately Packed on Ice: [ ] Yes [ ] No	
		Field Filtered (if applicable): [x] Yes [ ] No	
		Analysis: Dissolved Cd	

Analyses

Container Type: Plastic (P) or Glass (G)	NPI Short-list VOCs	Dissolved cadmium (Cd)	Lab Profile/Line:									
			Lab Sample Receipt Checklist:									
			Custody Seals Present/Intact Y N NA									
			Custody Signatures Present Y N NA									
			Collector Signature Present Y N NA									
			Bottles Intact Y N NA									
			Collect Bottles Y N NA									
Sufficient Volume Y N NA												
Samples Received on Ice Y N NA												
VOA - Headspace Acceptable Y N NA												
USDA Regulated Solids Y N NA												
Samples in Holding Time Y N NA												
Residual Chlorine Present Y N NA												
Cl Strips: _____												
Sample pH Acceptable Y N NA												
pH Strips: _____												
Sulfide Present Y N NA												
Lead Acetate Strips: _____												
LAB USE ONLY:												
Lab Sample # / Comments:												

\* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns	Container Type: Plastic (P) or Glass (G)	NPI Short-list VOCs	Dissolved cadmium (Cd)
			Date	Time	Date	Time					
MW-77A	GW	Grab	3/21/23	13:10				3	G	X	
MW-77B				13:15							
MW-77C				13:20							
RW-2A				13:45							
RW-2B				13:30							
RW-2C				13:35							
Trip Blank								2			

011  
012  
013  
014  
015  
016  
017

Customer Remarks / Special Conditions / Possible Hazards: Please send copy of Level IV data package to Mary Gannon for validation and perform MS/MSD on VOC sample sets with six sample vials, if any, and/or as noted above.		Type of Ice Used: Wet Blue Dry <u>None</u>		SHORT HOLDS PRESENT (<72 hours): Y N N/A	
		Packing Material Used:		Lab Tracking #:	
		Radchem sample(s) screened (<500 cpm): Y N NA		Samples received via: FEDEX UPS Client Courier Pace Courier	

LAB Sample Temperature Info:	
Temp Blank Received: Y N NA	
Therm ID#:	
Cooler 1 Temp Upon Receipt: ___oC	
Cooler 1 Therm Corr. Factor: ___oC	
Cooler 1 Corrected Temp: ___oC	
Comments:	

Relinquished by/Company: (Signature) <i>[Signature]</i> / GF	Date/Time: 3/21/23 17:30	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature) Fedex	Date/Time: 3/22/23 09:40	Received by/Company: (Signature) <i>[Signature]</i>	Date/Time: 3/22/23 09:40
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY	
Table #:	<u>1</u>
Acctnum:	
Template:	
Prelogin:	
PM:	
PB:	
Trip Blank Received: Y N NA	
HCL MeOH TSP Other	
Non Conformance(s) Page 31 of 33	
YES / NO	of: _____

Client Name: Garnett Fleming  
 All containers needing preservation have been checked and noted below

Sample Preservation Receipt Form

Project # 40259079

Yes  No  N/A

Lab Lot# of pH paper 1060702

Lab Std #ID of preservation (if pH adjusted):

Initial when completed: SG Date/Time:

Pace Lab #	Glass						Plastic						Vials					Jars				General		VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)						
	AG1U	BG1U	AG1H	AG4S	AG5U	AG2S	BP1U	BP3U	BP3B	BP3N	BP3S	BP2Z	VG9C	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T								ZPLC	GN 1	GN 2			
001																																				2.5 / 5
002																																				2.5 / 5
003																																				2.5 / 5
004																																				2.5 / 5
005																																				2.5 / 5
006																																				2.5 / 5
007																																				2.5 / 5
008																																				2.5 / 5
009																																				2.5 / 5
010																																				2.5 / 5
011																																				2.5 / 5
012																																				2.5 / 5
013																																				2.5 / 5
014																																				2.5 / 5
015																																				2.5 / 5
016																																				2.5 / 5
017																																				2.5 / 5
018																																				2.5 / 5
019																																				2.5 / 5
020																																				2.5 / 5

Exceptions to preservation check (VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other): \_\_\_\_\_ Headspace in VOA Vials (>6mm)  Yes  No  N/A \*If yes look in headspace column

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	VG9C	40 mL clear ascorbic w/ HCl	JGFU	4 oz amber jar unpres
BG1U	1 liter clear glass	BP3U	250 mL plastic unpres	DG9T	40 mL amber Na Thio	JG9U	9 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP3B	250 mL plastic NaOH	VG9U	40 mL clear vial unpres	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9H	40 mL clear vial HCL	WPFU	4 oz plastic jar unpres
AG5U	100 mL amber glass unpres	BP3S	250 mL plastic H2SO4	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH + Zn	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres					GN 1	
						GN 2	

**Sample Condition Upon Receipt Form (SCUR)**

Project #:

Client Name: Gannett Fleming

WO#: **40259679**

Courier:  CS Logistics  Fed Ex  Speedee  UPS  Walto  
 Client  Pace Other: \_\_\_\_\_



Tracking #: 8177 4223 1876

Custody Seal on Cooler/Box Present:  yes  no Seals intact:  yes  no

Custody Seal on Samples Present:  yes  no Seals intact:  yes  no

Packing Material:  Bubble Wrap  Bubble Bags  None  Other

Thermometer Used SR - 9 Type of Ice:  Wet  Blue  Dry  None  Meltwater Only

Cooler Temperature Uncorr 1.0 / Corr 2.0

Temp Blank Present:  yes  no Biological Tissue is Frozen:  yes  no

Person examining contents:  
 Date: 3/22/22 Initials: SB  
 Labeled By Initials: ME

Temp should be above freezing to 6°C.  
 Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- DI VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
Correct Type <u>Pace Green Bay</u> Pace IR, Non-Pace		
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>W</u>		
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>494</u>		

Client Notification/ Resolution: \_\_\_\_\_ If checked, see attached form for additional comments

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample logir

June 23, 2023

**Project #34283.000 NPI**  
**Q2 Groundwater (1 of 2)**  
**Reviewed by CCW**  
**6/26/2023**

Clifford Wright  
Gannett Fleming  
8040 Excelsior Drive, Ste 303  
Madison, WI 53717

RE: Project: 34283.000 NPI  
Pace Project No.: 40263682

Dear Clifford Wright:

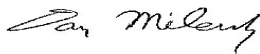
Enclosed are the analytical results for sample(s) received by the laboratory on June 15, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Dan Milewsky  
dan.milewsky@pacelabs.com  
(920)469-2436  
Project Manager

Enclosures

cc: Mary Gannon, MCW Scientific Solutions  
Marcus Mussey, Gannett Fleming Inc.



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: 34283.000 NPI

Pace Project No.: 40263682

---

### **Pace Analytical Services Green Bay**

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

South Carolina Certification #: 83006001

Texas Certification #: T104704529-21-8

Virginia VELAP Certification ID: 11873

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-21-00008

Federal Fish & Wildlife Permit #: 51774A

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## REPORT OF LABORATORY ANALYSIS

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### SAMPLE SUMMARY

Project: 34283.000 NPI  
Pace Project No.: 40263682

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40263682001	MW-4A	Water	06/12/23 14:15	06/15/23 09:30
40263682002	MW-4B	Water	06/12/23 14:20	06/15/23 09:30
40263682003	MW-10A	Water	06/12/23 13:00	06/15/23 09:30
40263682004	MW-34A	Water	06/12/23 13:30	06/15/23 09:30
40263682005	MW-5A	Water	06/12/23 10:00	06/15/23 09:30
40263682006	MW-62AR	Water	06/12/23 09:45	06/15/23 09:30
40263682007	MW-62B	Water	06/12/23 09:50	06/15/23 09:30
40263682008	MW-65B	Water	06/12/23 09:20	06/15/23 09:30
40263682009	MW-65C	Water	06/12/23 09:15	06/15/23 09:30
40263682010	MW-68A	Water	06/12/23 13:40	06/15/23 09:30
40263682011	MW-68B	Water	06/12/23 13:42	06/15/23 09:30
40263682012	MW-70A	Water	06/12/23 13:15	06/15/23 09:30
40263682013	MW-76A	Water	06/12/23 13:05	06/15/23 09:30
40263682014	MW-76A DUP	Water	06/12/23 13:30	06/15/23 09:30
40263682015	MW-76B	Water	06/12/23 13:35	06/15/23 09:30
40263682016	MW-77A	Water	06/12/23 14:40	06/15/23 09:30
40263682017	MW-77B	Water	06/12/23 14:45	06/15/23 09:30
40263682018	MW-77B DUP	Water	06/12/23 14:50	06/15/23 09:30
40263682019	MW-77C	Water	06/12/23 14:55	06/15/23 09:30
40263682020	EW-6	Water	06/13/23 11:35	06/15/23 09:30
40263682021	EW-6 DUP	Water	06/13/23 11:40	06/15/23 09:30
40263682022	MW-23A	Water	06/13/23 13:35	06/15/23 09:30
40263682023	MW-23B	Water	06/13/23 13:40	06/15/23 09:30
40263682024	MW-38A	Water	06/13/23 14:00	06/15/23 09:30
40263682025	MW-38B	Water	06/13/23 14:05	06/15/23 09:30
40263682026	MW-38C	Water	06/13/23 14:10	06/15/23 09:30
40263682027	RW-2A	Water	06/13/23 13:05	06/15/23 09:30
40263682028	RW-2B	Water	06/13/23 13:10	06/15/23 09:30
40263682029	RW-2C	Water	06/13/23 13:15	06/15/23 09:30
40263682030	RW-15	Water	06/13/23 14:40	06/15/23 09:30
40263682031	WW-15	Water	06/13/23 13:50	06/15/23 09:30
40263682032	MW-49A	Water	06/13/23 10:35	06/15/23 09:30
40263682033	MW-51B	Water	06/13/23 09:15	06/15/23 09:30
40263682034	MW-52A	Water	06/13/23 09:35	06/15/23 09:30
40263682035	MW-52A DUP	Water	06/13/23 09:40	06/15/23 09:30
40263682036	MW-52B	Water	06/13/23 09:45	06/15/23 09:30
40263682037	MW-53A	Water	06/13/23 10:00	06/15/23 09:30

### REPORT OF LABORATORY ANALYSIS

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without the written consent of Pace Analytical Services, LLC.

## SAMPLE SUMMARY

Project: 34283.000 NPI

Pace Project No.: 40263682

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40263682038	MW-53B	Water	06/13/23 09:55	06/15/23 09:30
40263682039	MW-54B	Water	06/13/23 10:20	06/15/23 09:30
40263682040	MW-54C	Water	06/13/23 10:25	06/15/23 09:30
40263682041	MW-55B	Water	06/13/23 10:45	06/15/23 09:30
40263682042	MW-55C	Water	06/13/23 10:30	06/15/23 09:30
40263682043	MW-35A	Water	06/13/23 15:05	06/15/23 09:30
40263682044	MW-35B	Water	06/13/23 15:10	06/15/23 09:30
40263682045	RW-3A	Water	06/13/23 08:40	06/15/23 09:30
40263682046	RW-3A DUP	Water	06/13/23 08:45	06/15/23 09:30
40263682047	RW-3B	Water	06/13/23 08:50	06/15/23 09:30
40263682048	RW-3C	Water	06/13/23 08:55	06/15/23 09:30
40263682049	MW-41A	Water	06/14/23 09:06	06/15/23 09:30
40263682050	MW-41B	Water	06/14/23 08:26	06/15/23 09:30
40263682051	MW-43A	Water	06/14/23 08:06	06/15/23 09:30
40263682052	MW-43B	Water	06/14/23 07:55	06/15/23 09:30
40263682053	RW-16	Water	06/14/23 10:00	06/15/23 09:30
40263682054	RW-16B	Water	06/14/23 09:35	06/15/23 09:30
40263682055	RW-16C	Water	06/14/23 09:55	06/15/23 09:30
40263682056	TRIP BLANK	Water	06/12/23 00:00	06/15/23 09:30

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: 34283.000 NPI  
Pace Project No.: 40263682

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40263682001	MW-4A	EPA 8260	CXJ	8	PASI-G
40263682002	MW-4B	EPA 8260	CXJ	8	PASI-G
40263682003	MW-10A	EPA 6010D	SIS	1	PASI-G
40263682004	MW-34A	EPA 8260	CXJ	8	PASI-G
40263682005	MW-5A	EPA 8260	CXJ	8	PASI-G
40263682006	MW-62AR	EPA 8260	CXJ	8	PASI-G
40263682007	MW-62B	EPA 8260	CXJ	8	PASI-G
40263682008	MW-65B	EPA 8260	CXJ	8	PASI-G
40263682009	MW-65C	EPA 8260	CXJ	8	PASI-G
40263682010	MW-68A	EPA 8260	CXJ	8	PASI-G
40263682011	MW-68B	EPA 8260	CXJ	8	PASI-G
40263682012	MW-70A	EPA 8260	CXJ	8	PASI-G
40263682013	MW-76A	EPA 8260	CXJ	8	PASI-G
40263682014	MW-76A DUP	EPA 8260	CXJ	8	PASI-G
40263682015	MW-76B	EPA 8260	CXJ	8	PASI-G
40263682016	MW-77A	EPA 8260	CXJ	8	PASI-G
40263682017	MW-77B	EPA 8260	CXJ	8	PASI-G
40263682018	MW-77B DUP	EPA 8260	CXJ	8	PASI-G
40263682019	MW-77C	EPA 8260	CXJ	8	PASI-G
40263682020	EW-6	EPA 8260	CXJ	8	PASI-G
40263682021	EW-6 DUP	EPA 8260	CXJ	8	PASI-G
40263682022	MW-23A	EPA 8260	CXJ	8	PASI-G
40263682023	MW-23B	EPA 8260	CXJ	8	PASI-G
40263682024	MW-38A	EPA 8260	CXJ	8	PASI-G
40263682025	MW-38B	EPA 8260	CXJ	8	PASI-G
40263682026	MW-38C	EPA 8260	CXJ	8	PASI-G
40263682027	RW-2A	EPA 8260	CXJ	8	PASI-G
40263682028	RW-2B	EPA 8260	CXJ	8	PASI-G
40263682029	RW-2C	EPA 8260	CXJ	8	PASI-G
40263682030	RW-15	EPA 8260	CXJ	8	PASI-G
40263682031	WW-15	EPA 8260	CXJ	8	PASI-G
40263682032	MW-49A	EPA 8260	CXJ	8	PASI-G
40263682033	MW-51B	EPA 8260	CXJ	8	PASI-G
40263682034	MW-52A	EPA 8260	CXJ	8	PASI-G
40263682035	MW-52A DUP	EPA 8260	CXJ	8	PASI-G
40263682036	MW-52B	EPA 8260	CXJ	8	PASI-G
40263682037	MW-53A	EPA 8260	CXJ	8	PASI-G

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### SAMPLE ANALYTE COUNT

Project: 34283.000 NPI  
Pace Project No.: 40263682

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40263682038	MW-53B	EPA 8260	CXJ	8	PASI-G
40263682039	MW-54B	EPA 8260	CXJ	8	PASI-G
40263682040	MW-54C	EPA 8260	CXJ	8	PASI-G
40263682041	MW-55B	EPA 8260	CXJ	8	PASI-G
40263682042	MW-55C	EPA 8260	SMT	8	PASI-G
40263682043	MW-35A	EPA 8260	SMT	8	PASI-G
40263682044	MW-35B	EPA 8260	SMT	8	PASI-G
40263682045	RW-3A	EPA 8260	SMT	8	PASI-G
40263682046	RW-3A DUP	EPA 8260	SMT	8	PASI-G
40263682047	RW-3B	EPA 8260	SMT	8	PASI-G
40263682048	RW-3C	EPA 8260	SMT	8	PASI-G
40263682049	MW-41A	EPA 8260	SMT	8	PASI-G
40263682050	MW-41B	EPA 8260	SMT	8	PASI-G
40263682051	MW-43A	EPA 8260	SMT	8	PASI-G
40263682052	MW-43B	EPA 8260	SMT	8	PASI-G
40263682053	RW-16	EPA 8260	SMT	8	PASI-G
40263682054	RW-16B	EPA 8260	SMT	8	PASI-G
40263682055	RW-16C	EPA 8260	SMT	8	PASI-G
40263682056	TRIP BLANK	EPA 8260	SMT	8	PASI-G

PASI-G = Pace Analytical Services - Green Bay

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### SUMMARY OF DETECTION

Project: 34283.000 NPI  
Pace Project No.: 40263682

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>40263682003</b>	<b>MW-10A</b>					
EPA 6010D	Cadmium, Dissolved	9.9	ug/L	5.0	06/22/23 11:19	
<b>40263682009</b>	<b>MW-65C</b>					
EPA 8260	Trichloroethene	0.46J	ug/L	1.0	06/19/23 16:45	
<b>40263682010</b>	<b>MW-68A</b>					
EPA 8260	Trichloroethene	0.54J	ug/L	1.0	06/19/23 12:51	
<b>40263682012</b>	<b>MW-70A</b>					
EPA 8260	1,1-Dichloroethane	0.55J	ug/L	1.0	06/19/23 13:25	
<b>40263682013</b>	<b>MW-76A</b>					
EPA 8260	1,1,1-Trichloroethane	1.1	ug/L	1.0	06/19/23 17:02	
EPA 8260	Tetrachloroethene	0.51J	ug/L	1.0	06/19/23 17:02	
EPA 8260	Trichloroethene	0.54J	ug/L	1.0	06/19/23 17:02	
<b>40263682014</b>	<b>MW-76A DUP</b>					
EPA 8260	1,1,1-Trichloroethane	1.1	ug/L	1.0	06/19/23 17:19	
EPA 8260	Tetrachloroethene	0.59J	ug/L	1.0	06/19/23 17:19	
EPA 8260	Trichloroethene	0.57J	ug/L	1.0	06/19/23 17:19	
<b>40263682016</b>	<b>MW-77A</b>					
EPA 8260	Trichloroethene	0.87J	ug/L	1.0	06/19/23 13:59	
<b>40263682017</b>	<b>MW-77B</b>					
EPA 8260	Trichloroethene	1.9	ug/L	1.0	06/19/23 17:36	
<b>40263682018</b>	<b>MW-77B DUP</b>					
EPA 8260	Trichloroethene	1.9	ug/L	1.0	06/19/23 17:53	
<b>40263682019</b>	<b>MW-77C</b>					
EPA 8260	Trichloroethene	0.55J	ug/L	1.0	06/19/23 18:11	
<b>40263682020</b>	<b>EW-6</b>					
EPA 8260	1,1,1-Trichloroethane	2.2	ug/L	1.0	06/19/23 10:00	
EPA 8260	1,1-Dichloroethane	2.0	ug/L	1.0	06/19/23 10:00	
EPA 8260	Tetrachloroethene	1.1	ug/L	1.0	06/19/23 10:00	
EPA 8260	Trichloroethene	2.7	ug/L	1.0	06/19/23 10:00	
<b>40263682021</b>	<b>EW-6 DUP</b>					
EPA 8260	1,1,1-Trichloroethane	2.3	ug/L	1.0	06/19/23 10:17	
EPA 8260	1,1-Dichloroethane	2.0	ug/L	1.0	06/19/23 10:17	
EPA 8260	Tetrachloroethene	1.0	ug/L	1.0	06/19/23 10:17	
EPA 8260	Trichloroethene	2.7	ug/L	1.0	06/19/23 10:17	
<b>40263682022</b>	<b>MW-23A</b>					
EPA 8260	Trichloroethene	0.46J	ug/L	1.0	06/16/23 19:50	
<b>40263682023</b>	<b>MW-23B</b>					
EPA 8260	Trichloroethene	1.6	ug/L	1.0	06/16/23 20:09	

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### SUMMARY OF DETECTION

Project: 34283.000 NPI

Pace Project No.: 40263682

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>40263682024</b>	<b>MW-38A</b>					
EPA 8260	Trichloroethene	1.1	ug/L	1.0	06/16/23 20:29	
<b>40263682025</b>	<b>MW-38B</b>					
EPA 8260	1,1,1-Trichloroethane	0.38J	ug/L	1.0	06/16/23 19:30	
EPA 8260	Trichloroethene	2.9	ug/L	1.0	06/16/23 19:30	
<b>40263682026</b>	<b>MW-38C</b>					
EPA 8260	Trichloroethene	0.83J	ug/L	1.0	06/16/23 20:48	
<b>40263682027</b>	<b>RW-2A</b>					
EPA 8260	Trichloroethene	1.1	ug/L	1.0	06/16/23 21:08	
<b>40263682028</b>	<b>RW-2B</b>					
EPA 8260	Trichloroethene	2.3	ug/L	1.0	06/16/23 21:28	
<b>40263682029</b>	<b>RW-2C</b>					
EPA 8260	Trichloroethene	1.6	ug/L	1.0	06/16/23 21:47	
<b>40263682030</b>	<b>RW-15</b>					
EPA 8260	Trichloroethene	2.8	ug/L	1.0	06/16/23 22:07	
<b>40263682031</b>	<b>WW-15</b>					
EPA 8260	Trichloroethene	0.47J	ug/L	1.0	06/16/23 22:26	
<b>40263682032</b>	<b>MW-49A</b>					
EPA 8260	Trichloroethene	0.32J	ug/L	1.0	06/16/23 22:46	
<b>40263682033</b>	<b>MW-51B</b>					
EPA 8260	Trichloroethene	3.2	ug/L	1.0	06/16/23 23:05	
<b>40263682034</b>	<b>MW-52A</b>					
EPA 8260	Trichloroethene	3.0	ug/L	1.0	06/16/23 23:25	
<b>40263682035</b>	<b>MW-52A DUP</b>					
EPA 8260	Trichloroethene	2.8	ug/L	1.0	06/16/23 23:45	
<b>40263682036</b>	<b>MW-52B</b>					
EPA 8260	Trichloroethene	3.0	ug/L	1.0	06/17/23 00:04	
<b>40263682037</b>	<b>MW-53A</b>					
EPA 8260	Trichloroethene	1.6	ug/L	1.0	06/17/23 00:24	
<b>40263682038</b>	<b>MW-53B</b>					
EPA 8260	Trichloroethene	2.4	ug/L	1.0	06/17/23 00:43	
<b>40263682039</b>	<b>MW-54B</b>					
EPA 8260	Trichloroethene	2.9	ug/L	1.0	06/17/23 01:03	
<b>40263682040</b>	<b>MW-54C</b>					
EPA 8260	Trichloroethene	2.9	ug/L	1.0	06/17/23 01:23	
<b>40263682041</b>	<b>MW-55B</b>					
EPA 8260	Trichloroethene	1.4	ug/L	1.0	06/17/23 01:42	

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### SUMMARY OF DETECTION

Project: 34283.000 NPI  
Pace Project No.: 40263682

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>40263682043</b>	<b>MW-35A</b>					
EPA 8260	Trichloroethene	0.76J	ug/L	1.0	06/20/23 10:58	
<b>40263682044</b>	<b>MW-35B</b>					
EPA 8260	Trichloroethene	0.82J	ug/L	1.0	06/20/23 11:17	
<b>40263682045</b>	<b>RW-3A</b>					
EPA 8260	Trichloroethene	1.9	ug/L	1.0	06/20/23 09:20	
<b>40263682046</b>	<b>RW-3A DUP</b>					
EPA 8260	Trichloroethene	1.9	ug/L	1.0	06/20/23 09:39	
<b>40263682047</b>	<b>RW-3B</b>					
EPA 8260	Trichloroethene	2.1	ug/L	1.0	06/20/23 09:59	
<b>40263682048</b>	<b>RW-3C</b>					
EPA 8260	Trichloroethene	2.5	ug/L	1.0	06/20/23 11:37	
<b>40263682049</b>	<b>MW-41A</b>					
EPA 8260	Trichloroethene	2.2	ug/L	1.0	06/20/23 11:56	
<b>40263682050</b>	<b>MW-41B</b>					
EPA 8260	Trichloroethene	2.3	ug/L	1.0	06/20/23 12:16	
<b>40263682051</b>	<b>MW-43A</b>					
EPA 8260	Trichloroethene	1.8	ug/L	1.0	06/20/23 12:35	
<b>40263682052</b>	<b>MW-43B</b>					
EPA 8260	1,1,1-Trichloroethane	0.30J	ug/L	1.0	06/20/23 12:55	
EPA 8260	Trichloroethene	1.3	ug/L	1.0	06/20/23 12:55	
<b>40263682053</b>	<b>RW-16</b>					
EPA 8260	Trichloroethene	1.9	ug/L	1.0	06/20/23 13:15	
<b>40263682054</b>	<b>RW-16B</b>					
EPA 8260	Trichloroethene	2.8	ug/L	1.0	06/20/23 13:34	
<b>40263682055</b>	<b>RW-16C</b>					
EPA 8260	Trichloroethene	2.2	ug/L	1.0	06/20/23 13:54	

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## PROJECT NARRATIVE

Project: 34283.000 NPI

Pace Project No.: 40263682

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**Method:** EPA 6010D

**Description:** 6010D MET ICP, Dissolved

**Client:** Gannett Fleming Inc.

**Date:** June 23, 2023

**General Information:**

1 sample was analyzed for EPA 6010D by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

**Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

**Initial Calibrations (including MS Tune as applicable):**

All criteria were within method requirements with any exceptions noted below.

**Continuing Calibration:**

All criteria were within method requirements with any exceptions noted below.

**Method Blank:**

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

**Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

**Matrix Spikes:**

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

**Additional Comments:**

## REPORT OF LABORATORY ANALYSIS

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## PROJECT NARRATIVE

Project: 34283.000 NPI

Pace Project No.: 40263682

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**Method:** EPA 8260

**Description:** 8260 MSV

**Client:** Gannett Fleming Inc.

**Date:** June 23, 2023

**General Information:**

55 samples were analyzed for EPA 8260 by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

**Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

**Initial Calibrations (including MS Tune as applicable):**

All criteria were within method requirements with any exceptions noted below.

**Continuing Calibration:**

All criteria were within method requirements with any exceptions noted below.

**Internal Standards:**

All internal standards were within QC limits with any exceptions noted below.

**Surrogates:**

All surrogates were within QC limits with any exceptions noted below.

**Method Blank:**

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

**Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

**Matrix Spikes:**

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

**Additional Comments:**

This data package has been reviewed for quality and completeness and is approved for release.

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40263682

**Sample: MW-4A**      **Lab ID: 40263682001**      Collected: 06/12/23 14:15      Received: 06/15/23 09:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/19/23 10:34	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/19/23 10:34	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/19/23 10:34	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/19/23 10:34	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		06/19/23 10:34	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	106	%	70-130		1		06/19/23 10:34	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		06/19/23 10:34	2199-69-1	
Toluene-d8 (S)	98	%	70-130		1		06/19/23 10:34	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI  
Pace Project No.: 40263682

**Sample: MW-4B**      **Lab ID: 40263682002**      Collected: 06/12/23 14:20      Received: 06/15/23 09:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/19/23 10:51	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/19/23 10:51	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/19/23 10:51	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/19/23 10:51	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		06/19/23 10:51	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	105	%	70-130		1		06/19/23 10:51	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		06/19/23 10:51	2199-69-1	
Toluene-d8 (S)	99	%	70-130		1		06/19/23 10:51	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40263682

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**Sample: MW-10A**      **Lab ID: 40263682003**      Collected: 06/12/23 13:00      Received: 06/15/23 09:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010D MET ICP, Dissolved</b>									
Analytical Method: EPA 6010D Pace Analytical Services - Green Bay									
Cadmium, Dissolved	<b>9.9</b>	ug/L	5.0	1.3	1		06/22/23 11:19	7440-43-9	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI  
Pace Project No.: 40263682

**Sample: MW-34A**      **Lab ID: 40263682004**      Collected: 06/12/23 13:30      Received: 06/15/23 09:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/19/23 12:16	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/19/23 12:16	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/19/23 12:16	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/19/23 12:16	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		06/19/23 12:16	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	107	%	70-130		1		06/19/23 12:16	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		06/19/23 12:16	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		06/19/23 12:16	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40263682

**Sample: MW-5A**      **Lab ID: 40263682005**      Collected: 06/12/23 10:00      Received: 06/15/23 09:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/19/23 12:33	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/19/23 12:33	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/19/23 12:33	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/19/23 12:33	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		06/19/23 12:33	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	106	%	70-130		1		06/19/23 12:33	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		06/19/23 12:33	2199-69-1	
Toluene-d8 (S)	99	%	70-130		1		06/19/23 12:33	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40263682

**Sample: MW-62AR**      **Lab ID: 40263682006**      Collected: 06/12/23 09:45      Received: 06/15/23 09:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/19/23 14:16	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/19/23 14:16	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/19/23 14:16	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/19/23 14:16	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		06/19/23 14:16	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	107	%	70-130		1		06/19/23 14:16	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		06/19/23 14:16	2199-69-1	
Toluene-d8 (S)	99	%	70-130		1		06/19/23 14:16	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40263682

**Sample: MW-62B**      **Lab ID: 40263682007**      Collected: 06/12/23 09:50      Received: 06/15/23 09:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/19/23 14:33	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/19/23 14:33	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/19/23 14:33	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/19/23 14:33	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		06/19/23 14:33	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	104	%	70-130		1		06/19/23 14:33	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		06/19/23 14:33	2199-69-1	
Toluene-d8 (S)	99	%	70-130		1		06/19/23 14:33	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40263682

**Sample: MW-65B**      **Lab ID: 40263682008**      Collected: 06/12/23 09:20      Received: 06/15/23 09:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/19/23 14:50	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/19/23 14:50	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/19/23 14:50	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/19/23 14:50	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		06/19/23 14:50	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	105	%	70-130		1		06/19/23 14:50	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		06/19/23 14:50	2199-69-1	
Toluene-d8 (S)	99	%	70-130		1		06/19/23 14:50	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI  
Pace Project No.: 40263682

**Sample: MW-65C**      **Lab ID: 40263682009**      Collected: 06/12/23 09:15      Received: 06/15/23 09:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/19/23 16:45	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/19/23 16:45	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/19/23 16:45	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/19/23 16:45	127-18-4	
Trichloroethene	<b>0.46J</b>	ug/L	1.0	0.32	1		06/19/23 16:45	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	107	%	70-130		1		06/19/23 16:45	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		06/19/23 16:45	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		06/19/23 16:45	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40263682

**Sample: MW-68A**      **Lab ID: 40263682010**      Collected: 06/12/23 13:40      Received: 06/15/23 09:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/19/23 12:51	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/19/23 12:51	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/19/23 12:51	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/19/23 12:51	127-18-4	
Trichloroethene	0.54J	ug/L	1.0	0.32	1		06/19/23 12:51	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	107	%	70-130		1		06/19/23 12:51	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		06/19/23 12:51	2199-69-1	
Toluene-d8 (S)	98	%	70-130		1		06/19/23 12:51	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI  
Pace Project No.: 40263682

**Sample: MW-68B**      **Lab ID: 40263682011**      Collected: 06/12/23 13:42      Received: 06/15/23 09:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/19/23 13:08	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/19/23 13:08	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/19/23 13:08	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/19/23 13:08	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		06/19/23 13:08	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	108	%	70-130		1		06/19/23 13:08	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		06/19/23 13:08	2199-69-1	
Toluene-d8 (S)	98	%	70-130		1		06/19/23 13:08	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40263682

**Sample: MW-70A**      **Lab ID: 40263682012**      Collected: 06/12/23 13:15      Received: 06/15/23 09:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/19/23 13:25	71-55-6	
1,1-Dichloroethane	0.55J	ug/L	1.0	0.30	1		06/19/23 13:25	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/19/23 13:25	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/19/23 13:25	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		06/19/23 13:25	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	106	%	70-130		1		06/19/23 13:25	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		06/19/23 13:25	2199-69-1	
Toluene-d8 (S)	99	%	70-130		1		06/19/23 13:25	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI  
Pace Project No.: 40263682

**Sample: MW-76A**      **Lab ID: 40263682013**      Collected: 06/12/23 13:05      Received: 06/15/23 09:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	1.1	ug/L	1.0	0.30	1		06/19/23 17:02	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/19/23 17:02	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/19/23 17:02	75-35-4	
Tetrachloroethene	0.51J	ug/L	1.0	0.41	1		06/19/23 17:02	127-18-4	
Trichloroethene	0.54J	ug/L	1.0	0.32	1		06/19/23 17:02	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	107	%	70-130		1		06/19/23 17:02	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		06/19/23 17:02	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		06/19/23 17:02	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40263682

**Sample: MW-76A DUP**      **Lab ID: 40263682014**      Collected: 06/12/23 13:30      Received: 06/15/23 09:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	1.1	ug/L	1.0	0.30	1		06/19/23 17:19	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/19/23 17:19	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/19/23 17:19	75-35-4	
Tetrachloroethene	0.59J	ug/L	1.0	0.41	1		06/19/23 17:19	127-18-4	
Trichloroethene	0.57J	ug/L	1.0	0.32	1		06/19/23 17:19	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	107	%	70-130		1		06/19/23 17:19	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		06/19/23 17:19	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		06/19/23 17:19	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI  
Pace Project No.: 40263682

**Sample: MW-76B**      **Lab ID: 40263682015**      Collected: 06/12/23 13:35      Received: 06/15/23 09:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/19/23 13:42	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/19/23 13:42	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/19/23 13:42	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/19/23 13:42	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		06/19/23 13:42	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	104	%	70-130		1		06/19/23 13:42	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		06/19/23 13:42	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		06/19/23 13:42	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI  
Pace Project No.: 40263682

**Sample: MW-77A**      **Lab ID: 40263682016**      Collected: 06/12/23 14:40      Received: 06/15/23 09:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/19/23 13:59	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/19/23 13:59	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/19/23 13:59	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/19/23 13:59	127-18-4	
Trichloroethene	0.87J	ug/L	1.0	0.32	1		06/19/23 13:59	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	105	%	70-130		1		06/19/23 13:59	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		06/19/23 13:59	2199-69-1	
Toluene-d8 (S)	98	%	70-130		1		06/19/23 13:59	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI  
Pace Project No.: 40263682

**Sample: MW-77B**      **Lab ID: 40263682017**      Collected: 06/12/23 14:45      Received: 06/15/23 09:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/19/23 17:36	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/19/23 17:36	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/19/23 17:36	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/19/23 17:36	127-18-4	
Trichloroethene	1.9	ug/L	1.0	0.32	1		06/19/23 17:36	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	107	%	70-130		1		06/19/23 17:36	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		06/19/23 17:36	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		06/19/23 17:36	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40263682

**Sample: MW-77B DUP**      **Lab ID: 40263682018**      Collected: 06/12/23 14:50      Received: 06/15/23 09:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/19/23 17:53	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/19/23 17:53	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/19/23 17:53	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/19/23 17:53	127-18-4	
Trichloroethene	1.9	ug/L	1.0	0.32	1		06/19/23 17:53	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	106	%	70-130		1		06/19/23 17:53	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		06/19/23 17:53	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		06/19/23 17:53	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI  
Pace Project No.: 40263682

**Sample: MW-77C**      **Lab ID: 40263682019**      Collected: 06/12/23 14:55      Received: 06/15/23 09:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/19/23 18:11	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/19/23 18:11	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/19/23 18:11	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/19/23 18:11	127-18-4	
Trichloroethene	0.55J	ug/L	1.0	0.32	1		06/19/23 18:11	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	108	%	70-130		1		06/19/23 18:11	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		06/19/23 18:11	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		06/19/23 18:11	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40263682

**Sample: EW-6**      **Lab ID: 40263682020**      Collected: 06/13/23 11:35      Received: 06/15/23 09:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	2.2	ug/L	1.0	0.30	1		06/19/23 10:00	71-55-6	
1,1-Dichloroethane	2.0	ug/L	1.0	0.30	1		06/19/23 10:00	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/19/23 10:00	75-35-4	
Tetrachloroethene	1.1	ug/L	1.0	0.41	1		06/19/23 10:00	127-18-4	
Trichloroethene	2.7	ug/L	1.0	0.32	1		06/19/23 10:00	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	105	%	70-130		1		06/19/23 10:00	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		06/19/23 10:00	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		06/19/23 10:00	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40263682

**Sample: EW-6 DUP**      **Lab ID: 40263682021**      Collected: 06/13/23 11:40      Received: 06/15/23 09:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	2.3	ug/L	1.0	0.30	1		06/19/23 10:17	71-55-6	
1,1-Dichloroethane	2.0	ug/L	1.0	0.30	1		06/19/23 10:17	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/19/23 10:17	75-35-4	
Tetrachloroethene	1.0	ug/L	1.0	0.41	1		06/19/23 10:17	127-18-4	
Trichloroethene	2.7	ug/L	1.0	0.32	1		06/19/23 10:17	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	107	%	70-130		1		06/19/23 10:17	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		06/19/23 10:17	2199-69-1	
Toluene-d8 (S)	99	%	70-130		1		06/19/23 10:17	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40263682

**Sample: MW-23A**      **Lab ID: 40263682022**      Collected: 06/13/23 13:35      Received: 06/15/23 09:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/16/23 19:50	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/16/23 19:50	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/16/23 19:50	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/16/23 19:50	127-18-4	
Trichloroethene	<b>0.46J</b>	ug/L	1.0	0.32	1		06/16/23 19:50	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	113	%	70-130		1		06/16/23 19:50	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		06/16/23 19:50	2199-69-1	
Toluene-d8 (S)	106	%	70-130		1		06/16/23 19:50	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40263682

**Sample: MW-23B**      **Lab ID: 40263682023**      Collected: 06/13/23 13:40      Received: 06/15/23 09:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/16/23 20:09	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/16/23 20:09	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/16/23 20:09	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/16/23 20:09	127-18-4	
Trichloroethene	1.6	ug/L	1.0	0.32	1		06/16/23 20:09	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	111	%	70-130		1		06/16/23 20:09	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		06/16/23 20:09	2199-69-1	
Toluene-d8 (S)	107	%	70-130		1		06/16/23 20:09	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40263682

**Sample: MW-38A**      **Lab ID: 40263682024**      Collected: 06/13/23 14:00      Received: 06/15/23 09:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/16/23 20:29	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/16/23 20:29	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/16/23 20:29	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/16/23 20:29	127-18-4	
Trichloroethene	1.1	ug/L	1.0	0.32	1		06/16/23 20:29	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	107	%	70-130		1		06/16/23 20:29	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		1		06/16/23 20:29	2199-69-1	
Toluene-d8 (S)	106	%	70-130		1		06/16/23 20:29	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI  
Pace Project No.: 40263682

**Sample: MW-38B**      **Lab ID: 40263682025**      Collected: 06/13/23 14:05      Received: 06/15/23 09:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<b>0.38J</b>	ug/L	1.0	0.30	1		06/16/23 19:30	71-55-6	
1,1-Dichloroethane	<b>&lt;0.30</b>	ug/L	1.0	0.30	1		06/16/23 19:30	75-34-3	
1,1-Dichloroethene	<b>&lt;0.58</b>	ug/L	1.0	0.58	1		06/16/23 19:30	75-35-4	
Tetrachloroethene	<b>&lt;0.41</b>	ug/L	1.0	0.41	1		06/16/23 19:30	127-18-4	
Trichloroethene	<b>2.9</b>	ug/L	1.0	0.32	1		06/16/23 19:30	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	111	%	70-130		1		06/16/23 19:30	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		06/16/23 19:30	2199-69-1	
Toluene-d8 (S)	106	%	70-130		1		06/16/23 19:30	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI  
Pace Project No.: 40263682

**Sample: MW-38C**      **Lab ID: 40263682026**      Collected: 06/13/23 14:10      Received: 06/15/23 09:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/16/23 20:48	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/16/23 20:48	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/16/23 20:48	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/16/23 20:48	127-18-4	
Trichloroethene	0.83J	ug/L	1.0	0.32	1		06/16/23 20:48	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	110	%	70-130		1		06/16/23 20:48	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		06/16/23 20:48	2199-69-1	
Toluene-d8 (S)	105	%	70-130		1		06/16/23 20:48	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40263682

**Sample: RW-2A**      **Lab ID: 40263682027**      Collected: 06/13/23 13:05      Received: 06/15/23 09:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/16/23 21:08	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/16/23 21:08	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/16/23 21:08	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/16/23 21:08	127-18-4	
Trichloroethene	1.1	ug/L	1.0	0.32	1		06/16/23 21:08	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	111	%	70-130		1		06/16/23 21:08	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		06/16/23 21:08	2199-69-1	
Toluene-d8 (S)	108	%	70-130		1		06/16/23 21:08	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI  
Pace Project No.: 40263682

**Sample: RW-2B**      **Lab ID: 40263682028**      Collected: 06/13/23 13:10      Received: 06/15/23 09:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/16/23 21:28	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/16/23 21:28	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/16/23 21:28	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/16/23 21:28	127-18-4	
Trichloroethene	2.3	ug/L	1.0	0.32	1		06/16/23 21:28	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	111	%	70-130		1		06/16/23 21:28	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		06/16/23 21:28	2199-69-1	
Toluene-d8 (S)	104	%	70-130		1		06/16/23 21:28	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40263682

**Sample: RW-2C**      **Lab ID: 40263682029**      Collected: 06/13/23 13:15      Received: 06/15/23 09:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/16/23 21:47	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/16/23 21:47	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/16/23 21:47	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/16/23 21:47	127-18-4	
Trichloroethene	1.6	ug/L	1.0	0.32	1		06/16/23 21:47	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	111	%	70-130		1		06/16/23 21:47	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		06/16/23 21:47	2199-69-1	
Toluene-d8 (S)	108	%	70-130		1		06/16/23 21:47	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40263682

**Sample: RW-15**      **Lab ID: 40263682030**      Collected: 06/13/23 14:40      Received: 06/15/23 09:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/16/23 22:07	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/16/23 22:07	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/16/23 22:07	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/16/23 22:07	127-18-4	
Trichloroethene	2.8	ug/L	1.0	0.32	1		06/16/23 22:07	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	112	%	70-130		1		06/16/23 22:07	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		06/16/23 22:07	2199-69-1	
Toluene-d8 (S)	108	%	70-130		1		06/16/23 22:07	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40263682

**Sample: WW-15**      **Lab ID: 40263682031**      Collected: 06/13/23 13:50      Received: 06/15/23 09:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/16/23 22:26	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/16/23 22:26	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/16/23 22:26	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/16/23 22:26	127-18-4	
Trichloroethene	0.47J	ug/L	1.0	0.32	1		06/16/23 22:26	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	112	%	70-130		1		06/16/23 22:26	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		06/16/23 22:26	2199-69-1	
Toluene-d8 (S)	106	%	70-130		1		06/16/23 22:26	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI  
Pace Project No.: 40263682

**Sample: MW-49A**      **Lab ID: 40263682032**      Collected: 06/13/23 10:35      Received: 06/15/23 09:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/16/23 22:46	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/16/23 22:46	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/16/23 22:46	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/16/23 22:46	127-18-4	
Trichloroethene	0.32J	ug/L	1.0	0.32	1		06/16/23 22:46	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	109	%	70-130		1		06/16/23 22:46	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		06/16/23 22:46	2199-69-1	
Toluene-d8 (S)	107	%	70-130		1		06/16/23 22:46	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI  
Pace Project No.: 40263682

**Sample: MW-51B**      **Lab ID: 40263682033**      Collected: 06/13/23 09:15      Received: 06/15/23 09:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/16/23 23:05	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/16/23 23:05	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/16/23 23:05	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/16/23 23:05	127-18-4	
Trichloroethene	3.2	ug/L	1.0	0.32	1		06/16/23 23:05	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	108	%	70-130		1		06/16/23 23:05	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		06/16/23 23:05	2199-69-1	
Toluene-d8 (S)	105	%	70-130		1		06/16/23 23:05	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40263682

**Sample: MW-52A**      **Lab ID: 40263682034**      Collected: 06/13/23 09:35      Received: 06/15/23 09:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/16/23 23:25	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/16/23 23:25	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/16/23 23:25	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/16/23 23:25	127-18-4	
Trichloroethene	3.0	ug/L	1.0	0.32	1		06/16/23 23:25	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	109	%	70-130		1		06/16/23 23:25	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		06/16/23 23:25	2199-69-1	
Toluene-d8 (S)	106	%	70-130		1		06/16/23 23:25	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI  
Pace Project No.: 40263682

**Sample: MW-52A DUP**      **Lab ID: 40263682035**      Collected: 06/13/23 09:40      Received: 06/15/23 09:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/16/23 23:45	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/16/23 23:45	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/16/23 23:45	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/16/23 23:45	127-18-4	
Trichloroethene	2.8	ug/L	1.0	0.32	1		06/16/23 23:45	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	112	%	70-130		1		06/16/23 23:45	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		06/16/23 23:45	2199-69-1	
Toluene-d8 (S)	106	%	70-130		1		06/16/23 23:45	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40263682

**Sample: MW-52B**      **Lab ID: 40263682036**      Collected: 06/13/23 09:45      Received: 06/15/23 09:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/17/23 00:04	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/17/23 00:04	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/17/23 00:04	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/17/23 00:04	127-18-4	
Trichloroethene	3.0	ug/L	1.0	0.32	1		06/17/23 00:04	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	110	%	70-130		1		06/17/23 00:04	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		06/17/23 00:04	2199-69-1	
Toluene-d8 (S)	105	%	70-130		1		06/17/23 00:04	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40263682

**Sample: MW-53A**      **Lab ID: 40263682037**      Collected: 06/13/23 10:00      Received: 06/15/23 09:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/17/23 00:24	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/17/23 00:24	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/17/23 00:24	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/17/23 00:24	127-18-4	
Trichloroethene	1.6	ug/L	1.0	0.32	1		06/17/23 00:24	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	113	%	70-130		1		06/17/23 00:24	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		06/17/23 00:24	2199-69-1	
Toluene-d8 (S)	106	%	70-130		1		06/17/23 00:24	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40263682

**Sample: MW-53B**      **Lab ID: 40263682038**      Collected: 06/13/23 09:55      Received: 06/15/23 09:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/17/23 00:43	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/17/23 00:43	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/17/23 00:43	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/17/23 00:43	127-18-4	
Trichloroethene	2.4	ug/L	1.0	0.32	1		06/17/23 00:43	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	110	%	70-130		1		06/17/23 00:43	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		06/17/23 00:43	2199-69-1	
Toluene-d8 (S)	106	%	70-130		1		06/17/23 00:43	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40263682

**Sample: MW-54B**      **Lab ID: 40263682039**      Collected: 06/13/23 10:20      Received: 06/15/23 09:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/17/23 01:03	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/17/23 01:03	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/17/23 01:03	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/17/23 01:03	127-18-4	
Trichloroethene	2.9	ug/L	1.0	0.32	1		06/17/23 01:03	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	109	%	70-130		1		06/17/23 01:03	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		06/17/23 01:03	2199-69-1	
Toluene-d8 (S)	107	%	70-130		1		06/17/23 01:03	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40263682

**Sample: MW-54C**      **Lab ID: 40263682040**      Collected: 06/13/23 10:25      Received: 06/15/23 09:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/17/23 01:23	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/17/23 01:23	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/17/23 01:23	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/17/23 01:23	127-18-4	
Trichloroethene	2.9	ug/L	1.0	0.32	1		06/17/23 01:23	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	110	%	70-130		1		06/17/23 01:23	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		06/17/23 01:23	2199-69-1	
Toluene-d8 (S)	104	%	70-130		1		06/17/23 01:23	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40263682

**Sample: MW-55B**      **Lab ID: 40263682041**      Collected: 06/13/23 10:45      Received: 06/15/23 09:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/17/23 01:42	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/17/23 01:42	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/17/23 01:42	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/17/23 01:42	127-18-4	
Trichloroethene	1.4	ug/L	1.0	0.32	1		06/17/23 01:42	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	111	%	70-130		1		06/17/23 01:42	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		06/17/23 01:42	2199-69-1	
Toluene-d8 (S)	106	%	70-130		1		06/17/23 01:42	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40263682

**Sample: MW-55C**      **Lab ID: 40263682042**      Collected: 06/13/23 10:30      Received: 06/15/23 09:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/20/23 10:38	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/20/23 10:38	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/20/23 10:38	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/20/23 10:38	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		06/20/23 10:38	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	111	%	70-130		1		06/20/23 10:38	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		06/20/23 10:38	2199-69-1	
Toluene-d8 (S)	107	%	70-130		1		06/20/23 10:38	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI  
Pace Project No.: 40263682

**Sample: MW-35A**      **Lab ID: 40263682043**      Collected: 06/13/23 15:05      Received: 06/15/23 09:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/20/23 10:58	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/20/23 10:58	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/20/23 10:58	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/20/23 10:58	127-18-4	
Trichloroethene	0.76J	ug/L	1.0	0.32	1		06/20/23 10:58	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	111	%	70-130		1		06/20/23 10:58	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		06/20/23 10:58	2199-69-1	
Toluene-d8 (S)	106	%	70-130		1		06/20/23 10:58	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI  
Pace Project No.: 40263682

**Sample: MW-35B**      **Lab ID: 40263682044**      Collected: 06/13/23 15:10      Received: 06/15/23 09:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/20/23 11:17	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/20/23 11:17	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/20/23 11:17	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/20/23 11:17	127-18-4	
Trichloroethene	0.82J	ug/L	1.0	0.32	1		06/20/23 11:17	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	111	%	70-130		1		06/20/23 11:17	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		06/20/23 11:17	2199-69-1	
Toluene-d8 (S)	107	%	70-130		1		06/20/23 11:17	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI  
Pace Project No.: 40263682

**Sample: RW-3A**      **Lab ID: 40263682045**      Collected: 06/13/23 08:40      Received: 06/15/23 09:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/20/23 09:20	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/20/23 09:20	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/20/23 09:20	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/20/23 09:20	127-18-4	
Trichloroethene	1.9	ug/L	1.0	0.32	1		06/20/23 09:20	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	111	%	70-130		1		06/20/23 09:20	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		06/20/23 09:20	2199-69-1	
Toluene-d8 (S)	106	%	70-130		1		06/20/23 09:20	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI  
Pace Project No.: 40263682

**Sample: RW-3A DUP**      **Lab ID: 40263682046**      Collected: 06/13/23 08:45      Received: 06/15/23 09:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/20/23 09:39	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/20/23 09:39	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/20/23 09:39	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/20/23 09:39	127-18-4	
Trichloroethene	1.9	ug/L	1.0	0.32	1		06/20/23 09:39	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	109	%	70-130		1		06/20/23 09:39	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		06/20/23 09:39	2199-69-1	
Toluene-d8 (S)	106	%	70-130		1		06/20/23 09:39	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40263682

**Sample: RW-3B**      **Lab ID: 40263682047**      Collected: 06/13/23 08:50      Received: 06/15/23 09:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/20/23 09:59	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/20/23 09:59	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/20/23 09:59	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/20/23 09:59	127-18-4	
Trichloroethene	2.1	ug/L	1.0	0.32	1		06/20/23 09:59	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	112	%	70-130		1		06/20/23 09:59	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		06/20/23 09:59	2199-69-1	
Toluene-d8 (S)	107	%	70-130		1		06/20/23 09:59	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40263682

**Sample: RW-3C**      **Lab ID: 40263682048**      Collected: 06/13/23 08:55      Received: 06/15/23 09:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/20/23 11:37	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/20/23 11:37	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/20/23 11:37	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/20/23 11:37	127-18-4	
Trichloroethene	2.5	ug/L	1.0	0.32	1		06/20/23 11:37	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	108	%	70-130		1		06/20/23 11:37	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		06/20/23 11:37	2199-69-1	
Toluene-d8 (S)	107	%	70-130		1		06/20/23 11:37	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI  
Pace Project No.: 40263682

**Sample: MW-41A**      **Lab ID: 40263682049**      Collected: 06/14/23 09:06      Received: 06/15/23 09:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/20/23 11:56	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/20/23 11:56	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/20/23 11:56	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/20/23 11:56	127-18-4	
Trichloroethene	2.2	ug/L	1.0	0.32	1		06/20/23 11:56	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	113	%	70-130		1		06/20/23 11:56	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		06/20/23 11:56	2199-69-1	
Toluene-d8 (S)	106	%	70-130		1		06/20/23 11:56	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40263682

**Sample: MW-41B**      **Lab ID: 40263682050**      Collected: 06/14/23 08:26      Received: 06/15/23 09:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/20/23 12:16	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/20/23 12:16	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/20/23 12:16	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/20/23 12:16	127-18-4	
Trichloroethene	2.3	ug/L	1.0	0.32	1		06/20/23 12:16	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	111	%	70-130		1		06/20/23 12:16	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		06/20/23 12:16	2199-69-1	
Toluene-d8 (S)	104	%	70-130		1		06/20/23 12:16	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40263682

**Sample: MW-43A**      **Lab ID: 40263682051**      Collected: 06/14/23 08:06      Received: 06/15/23 09:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/20/23 12:35	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/20/23 12:35	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/20/23 12:35	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/20/23 12:35	127-18-4	
Trichloroethene	1.8	ug/L	1.0	0.32	1		06/20/23 12:35	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	110	%	70-130		1		06/20/23 12:35	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		06/20/23 12:35	2199-69-1	
Toluene-d8 (S)	104	%	70-130		1		06/20/23 12:35	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40263682

**Sample: MW-43B**      **Lab ID: 40263682052**      Collected: 06/14/23 07:55      Received: 06/15/23 09:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<b>0.30J</b>	ug/L	1.0	0.30	1		06/20/23 12:55	71-55-6	
1,1-Dichloroethane	<b>&lt;0.30</b>	ug/L	1.0	0.30	1		06/20/23 12:55	75-34-3	
1,1-Dichloroethene	<b>&lt;0.58</b>	ug/L	1.0	0.58	1		06/20/23 12:55	75-35-4	
Tetrachloroethene	<b>&lt;0.41</b>	ug/L	1.0	0.41	1		06/20/23 12:55	127-18-4	
Trichloroethene	<b>1.3</b>	ug/L	1.0	0.32	1		06/20/23 12:55	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	110	%	70-130		1		06/20/23 12:55	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		06/20/23 12:55	2199-69-1	
Toluene-d8 (S)	106	%	70-130		1		06/20/23 12:55	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40263682

**Sample: RW-16**      **Lab ID: 40263682053**      Collected: 06/14/23 10:00      Received: 06/15/23 09:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/20/23 13:15	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/20/23 13:15	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/20/23 13:15	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/20/23 13:15	127-18-4	
Trichloroethene	1.9	ug/L	1.0	0.32	1		06/20/23 13:15	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	112	%	70-130		1		06/20/23 13:15	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		06/20/23 13:15	2199-69-1	
Toluene-d8 (S)	105	%	70-130		1		06/20/23 13:15	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40263682

**Sample: RW-16B**      **Lab ID: 40263682054**      Collected: 06/14/23 09:35      Received: 06/15/23 09:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/20/23 13:34	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/20/23 13:34	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/20/23 13:34	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/20/23 13:34	127-18-4	
Trichloroethene	2.8	ug/L	1.0	0.32	1		06/20/23 13:34	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	113	%	70-130		1		06/20/23 13:34	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		06/20/23 13:34	2199-69-1	
Toluene-d8 (S)	105	%	70-130		1		06/20/23 13:34	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI  
Pace Project No.: 40263682

**Sample: RW-16C**      **Lab ID: 40263682055**      Collected: 06/14/23 09:55      Received: 06/15/23 09:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/20/23 13:54	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/20/23 13:54	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/20/23 13:54	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/20/23 13:54	127-18-4	
Trichloroethene	2.2	ug/L	1.0	0.32	1		06/20/23 13:54	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	114	%	70-130		1		06/20/23 13:54	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		06/20/23 13:54	2199-69-1	
Toluene-d8 (S)	105	%	70-130		1		06/20/23 13:54	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI  
Pace Project No.: 40263682

**Sample: TRIP BLANK**      **Lab ID: 40263682056**      Collected: 06/12/23 00:00      Received: 06/15/23 09:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/20/23 08:21	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/20/23 08:21	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/20/23 08:21	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/20/23 08:21	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		06/20/23 08:21	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	111	%	70-130		1		06/20/23 08:21	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		06/20/23 08:21	2199-69-1	
Toluene-d8 (S)	107	%	70-130		1		06/20/23 08:21	2037-26-5	

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### QUALITY CONTROL DATA

Project: 34283.000 NPI  
Pace Project No.: 40263682

QC Batch: 447948	Analysis Method: EPA 6010D
QC Batch Method: EPA 6010D	Analysis Description: ICP Metals, Trace, Dissolved
	Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40263682003

METHOD BLANK: 2572236 Matrix: Water  
Associated Lab Samples: 40263682003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cadmium, Dissolved	ug/L	<1.3	5.0	06/22/23 10:52	

LABORATORY CONTROL SAMPLE: 2572237

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cadmium, Dissolved	ug/L	250	256	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2572238 2572239

Parameter	Units	2572238		2572239		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40263692001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							MSD Result
Cadmium, Dissolved	ug/L	<0.0013 mg/L	250	250	266	265	106	106	75-125	0	20	

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### QUALITY CONTROL DATA

Project: 34283.000 NPI  
Pace Project No.: 40263682

QC Batch:	447534	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40263682001, 40263682002, 40263682004, 40263682005, 40263682006, 40263682007, 40263682008, 40263682009, 40263682010, 40263682011, 40263682012, 40263682013, 40263682014, 40263682015, 40263682016, 40263682017, 40263682018, 40263682019, 40263682020, 40263682021

METHOD BLANK: 2569416 Matrix: Water  
Associated Lab Samples: 40263682001, 40263682002, 40263682004, 40263682005, 40263682006, 40263682007, 40263682008, 40263682009, 40263682010, 40263682011, 40263682012, 40263682013, 40263682014, 40263682015, 40263682016, 40263682017, 40263682018, 40263682019, 40263682020, 40263682021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.30	1.0	06/19/23 08:34	
1,1-Dichloroethane	ug/L	<0.30	1.0	06/19/23 08:34	
1,1-Dichloroethene	ug/L	<0.58	1.0	06/19/23 08:34	
Tetrachloroethene	ug/L	<0.41	1.0	06/19/23 08:34	
Trichloroethene	ug/L	<0.32	1.0	06/19/23 08:34	
1,2-Dichlorobenzene-d4 (S)	%	102	70-130	06/19/23 08:34	
4-Bromofluorobenzene (S)	%	106	70-130	06/19/23 08:34	
Toluene-d8 (S)	%	99	70-130	06/19/23 08:34	

LABORATORY CONTROL SAMPLE: 2569417

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	55.2	110	70-134	
1,1-Dichloroethane	ug/L	50	59.3	119	70-130	
1,1-Dichloroethene	ug/L	50	51.6	103	74-131	
Tetrachloroethene	ug/L	50	49.6	99	70-130	
Trichloroethene	ug/L	50	54.2	108	70-130	
1,2-Dichlorobenzene-d4 (S)	%			101	70-130	
4-Bromofluorobenzene (S)	%			106	70-130	
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2569418 2569419

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40263682020 Result	Spike Conc.	Spike Conc.	MS Result						
1,1,1-Trichloroethane	ug/L	2.2	50	50	57.8	58.9	111	113	70-134	2	20
1,1-Dichloroethane	ug/L	2.0	50	50	61.9	62.0	120	120	70-130	0	20
1,1-Dichloroethene	ug/L	<0.58	50	50	51.9	52.7	104	105	71-130	2	20
Tetrachloroethene	ug/L	1.1	50	50	53.0	53.5	104	105	70-130	1	20
Trichloroethene	ug/L	2.7	50	50	58.2	59.1	111	113	70-130	2	20
1,2-Dichlorobenzene-d4 (S)	%						99	98	70-130		
4-Bromofluorobenzene (S)	%						106	105	70-130		
Toluene-d8 (S)	%						98	98	70-130		

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### QUALITY CONTROL DATA

Project: 34283.000 NPI  
Pace Project No.: 40263682

QC Batch:	447535	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40263682022, 40263682023, 40263682024, 40263682025, 40263682026, 40263682027, 40263682028, 40263682029, 40263682030, 40263682031, 40263682032, 40263682033, 40263682034, 40263682035, 40263682036, 40263682037, 40263682038, 40263682039, 40263682040, 40263682041

METHOD BLANK: 2569420 Matrix: Water

Associated Lab Samples: 40263682022, 40263682023, 40263682024, 40263682025, 40263682026, 40263682027, 40263682028, 40263682029, 40263682030, 40263682031, 40263682032, 40263682033, 40263682034, 40263682035, 40263682036, 40263682037, 40263682038, 40263682039, 40263682040, 40263682041

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.30	1.0	06/16/23 15:54	
1,1-Dichloroethane	ug/L	<0.30	1.0	06/16/23 15:54	
1,1-Dichloroethene	ug/L	<0.58	1.0	06/16/23 15:54	
Tetrachloroethene	ug/L	<0.41	1.0	06/16/23 15:54	
Trichloroethene	ug/L	<0.32	1.0	06/16/23 15:54	
1,2-Dichlorobenzene-d4 (S)	%	102	70-130	06/16/23 15:54	
4-Bromofluorobenzene (S)	%	111	70-130	06/16/23 15:54	
Toluene-d8 (S)	%	106	70-130	06/16/23 15:54	

LABORATORY CONTROL SAMPLE: 2569421

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	44.8	90	70-134	
1,1-Dichloroethane	ug/L	50	48.5	97	70-130	
1,1-Dichloroethene	ug/L	50	46.4	93	74-131	
Tetrachloroethene	ug/L	50	42.6	85	70-130	
Trichloroethene	ug/L	50	47.8	96	70-130	
1,2-Dichlorobenzene-d4 (S)	%			98	70-130	
4-Bromofluorobenzene (S)	%			108	70-130	
Toluene-d8 (S)	%			105	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2569422 2569423

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40263682025 Result	Spike Conc.	Spike Conc.	MS Result						
1,1,1-Trichloroethane	ug/L	0.38J	50	50	46.4	47.7	92	95	70-134	3	20
1,1-Dichloroethane	ug/L	<0.30	50	50	47.7	49.7	95	99	70-130	4	20
1,1-Dichloroethene	ug/L	<0.58	50	50	45.5	46.7	91	93	71-130	3	20
Tetrachloroethene	ug/L	<0.41	50	50	40.6	44.3	81	89	70-130	9	20
Trichloroethene	ug/L	2.9	50	50	49.4	52.5	93	99	70-130	6	20
1,2-Dichlorobenzene-d4 (S)	%						101	98	70-130		
4-Bromofluorobenzene (S)	%						110	106	70-130		
Toluene-d8 (S)	%						106	105	70-130		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 34283.000 NPI  
Pace Project No.: 40263682

QC Batch:	447583	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40263682042, 40263682043, 40263682044, 40263682045, 40263682046, 40263682047, 40263682048, 40263682049, 40263682050, 40263682051, 40263682052, 40263682053, 40263682054, 40263682055, 40263682056

METHOD BLANK: 2570253 Matrix: Water  
Associated Lab Samples: 40263682042, 40263682043, 40263682044, 40263682045, 40263682046, 40263682047, 40263682048, 40263682049, 40263682050, 40263682051, 40263682052, 40263682053, 40263682054, 40263682055, 40263682056

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.30	1.0	06/20/23 06:43	
1,1-Dichloroethane	ug/L	<0.30	1.0	06/20/23 06:43	
1,1-Dichloroethene	ug/L	<0.58	1.0	06/20/23 06:43	
Tetrachloroethene	ug/L	<0.41	1.0	06/20/23 06:43	
Trichloroethene	ug/L	<0.32	1.0	06/20/23 06:43	
1,2-Dichlorobenzene-d4 (S)	%	100	70-130	06/20/23 06:43	
4-Bromofluorobenzene (S)	%	112	70-130	06/20/23 06:43	
Toluene-d8 (S)	%	106	70-130	06/20/23 06:43	

LABORATORY CONTROL SAMPLE: 2570254

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	47.1	94	70-134	
1,1-Dichloroethane	ug/L	50	50.9	102	70-130	
1,1-Dichloroethene	ug/L	50	50.9	102	74-131	
Tetrachloroethene	ug/L	50	41.5	83	70-130	
Trichloroethene	ug/L	50	48.5	97	70-130	
1,2-Dichlorobenzene-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			108	70-130	
Toluene-d8 (S)	%			106	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2570464 2570465

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40263682045	Spike Conc.	Spike Conc.	Result						
1,1,1-Trichloroethane	ug/L	<0.30	50	50	49.5	50.0	99	100	70-134	1	20
1,1-Dichloroethane	ug/L	<0.30	50	50	52.6	52.6	105	105	70-130	0	20
1,1-Dichloroethene	ug/L	<0.58	50	50	53.7	56.0	107	112	71-130	4	20
Tetrachloroethene	ug/L	<0.41	50	50	44.4	46.2	89	92	70-130	4	20
Trichloroethene	ug/L	1.9	50	50	52.5	52.4	101	101	70-130	0	20
1,2-Dichlorobenzene-d4 (S)	%						100	98	70-130		
4-Bromofluorobenzene (S)	%						107	108	70-130		
Toluene-d8 (S)	%						104	106	70-130		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

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## QUALIFIERS

Project: 34283.000 NPI

Pace Project No.: 40263682

---

### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

DL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 34283.000 NPI

Pace Project No.: 40263682

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40263682003	MW-10A	EPA 6010D	447948		
40263682001	MW-4A	EPA 8260	447534		
40263682002	MW-4B	EPA 8260	447534		
40263682004	MW-34A	EPA 8260	447534		
40263682005	MW-5A	EPA 8260	447534		
40263682006	MW-62AR	EPA 8260	447534		
40263682007	MW-62B	EPA 8260	447534		
40263682008	MW-65B	EPA 8260	447534		
40263682009	MW-65C	EPA 8260	447534		
40263682010	MW-68A	EPA 8260	447534		
40263682011	MW-68B	EPA 8260	447534		
40263682012	MW-70A	EPA 8260	447534		
40263682013	MW-76A	EPA 8260	447534		
40263682014	MW-76A DUP	EPA 8260	447534		
40263682015	MW-76B	EPA 8260	447534		
40263682016	MW-77A	EPA 8260	447534		
40263682017	MW-77B	EPA 8260	447534		
40263682018	MW-77B DUP	EPA 8260	447534		
40263682019	MW-77C	EPA 8260	447534		
40263682020	EW-6	EPA 8260	447534		
40263682021	EW-6 DUP	EPA 8260	447534		
40263682022	MW-23A	EPA 8260	447535		
40263682023	MW-23B	EPA 8260	447535		
40263682024	MW-38A	EPA 8260	447535		
40263682025	MW-38B	EPA 8260	447535		
40263682026	MW-38C	EPA 8260	447535		
40263682027	RW-2A	EPA 8260	447535		
40263682028	RW-2B	EPA 8260	447535		
40263682029	RW-2C	EPA 8260	447535		
40263682030	RW-15	EPA 8260	447535		
40263682031	WW-15	EPA 8260	447535		
40263682032	MW-49A	EPA 8260	447535		
40263682033	MW-51B	EPA 8260	447535		
40263682034	MW-52A	EPA 8260	447535		
40263682035	MW-52A DUP	EPA 8260	447535		
40263682036	MW-52B	EPA 8260	447535		
40263682037	MW-53A	EPA 8260	447535		
40263682038	MW-53B	EPA 8260	447535		
40263682039	MW-54B	EPA 8260	447535		
40263682040	MW-54C	EPA 8260	447535		
40263682041	MW-55B	EPA 8260	447535		
40263682042	MW-55C	EPA 8260	447583		
40263682043	MW-35A	EPA 8260	447583		
40263682044	MW-35B	EPA 8260	447583		
40263682045	RW-3A	EPA 8260	447583		
40263682046	RW-3A DUP	EPA 8260	447583		
40263682047	RW-3B	EPA 8260	447583		

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 34283.000 NPI  
Pace Project No.: 40263682

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40263682048	RW-3C	EPA 8260	447583		
40263682049	MW-41A	EPA 8260	447583		
40263682050	MW-41B	EPA 8260	447583		
40263682051	MW-43A	EPA 8260	447583		
40263682052	MW-43B	EPA 8260	447583		
40263682053	RW-16	EPA 8260	447583		
40263682054	RW-16B	EPA 8260	447583		
40263682055	RW-16C	EPA 8260	447583		
40263682056	TRIP BLANK	EPA 8260	447583		

### REPORT OF LABORATORY ANALYSIS

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Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or

MTJL Log-In Number Here

40263682

**ALL BOLD OUTLINED AREAS are for LAB USE ONLY**

Company: Gannett Fleming, Inc.  
Address: 8040 Excelsior Dr., Suite 303, Madison, WI 53717  
Report To: Cliff Wright

Billing Information: Derrick Paul  
National Presto Industries (NPI)  
3925 N Hastings Way, Eau Claire, WI 54703  
Email To: dpaul@gopresto.com

Copy To:  
Site Collection Info/Address: Same as Billing Info address above

Customer Project Name/Number: NPI/34283.000  
State: WI / County/City: Eau Claire [ ]PT [ ]MT [x]CT [ ]ET Time Zone Collected:

Phone: 608/695-3651  
Email: cwright@gfnet.com  
Collected By (print): Cliff Wright  
Collected By (signature): *Cliff Wright*  
Sample Disposal: [x] Dispose as appropriate [ ] Return [ ] Archive [ ] Hold  
Site/Facility ID #: 609038320  
Purchase Order #: Quote #: Pace 2023 for NPI  
Turnaround Date Required: Standard  
Rush: (Expedite Charges Apply) [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day  
Compliance Monitoring? [ ] Yes [ ] No  
DW PWS ID #: DW Location Code:  
Immediately Packed on Ice: [ ] Yes [ ] No  
Field Filtered (if applicable): [x] Yes [ ] No  
Analysis: Dissolved Cd

\* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns	Container Type: Plastic (P) or Glass (G)	NPI Short-list VOCs	Dissolved cadmium (Cd)
			Date	Time	Date	Time					
MW-4A	GW	Grab	6/13/23	1415	--	--	--	3	G	X	
-4B				1420				3		X	
-10A				1300				1		X	
-34A				1330				3		X	
-5A				1000							
-62A				0945							
-62B				0950							
-65B				0920							
-65C				0915							
-68A				1310							

Container Preservative Type \*\*  
3 1

Lab Project Manager:

\*\* Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

Analyses

Lab Profile/Line:

Lab Sample Receipt Checklist:  
Custody Seals Present/Intact Y N NA  
Custody Signatures Present Y N NA  
Collector Signature Present Y N NA  
Bottles Intact Y N NA  
Correct Bottles Y N NA  
Sufficient Volume Y N NA  
Samples Received on Ice Y N NA  
VOA - Headspace Acceptable Y N NA  
USDA Regulated Soils Y N NA  
Samples in Holding Time Y N NA  
Residual Chlorine Present Y N NA  
Cl Strips: \_\_\_\_\_  
Sample pH Acceptable Y N NA  
pH Strips: \_\_\_\_\_  
Sulfide Present Y N NA  
Lead Acetate Strips: \_\_\_\_\_

LAB USE ONLY:  
Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:  
Please send copy of Level IV data package to Mary Gannon for validation and perform MS/MSD on VOC sample sets with six sample vials, if any, and/or as noted above.

Type of Ice Used: Wet Blue Dry None  
Packing Material Used:  
Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A  
Lab Tracking #:  
Samples received via:  
FEDEX UPS Client Courier Pace Courier

LAB Sample Temperature Info:  
Temp Blank Received: Y N NA  
Therm ID#:  
Cooler 1 Temp Upon Receipt: \_\_\_oC  
Cooler 1 Therm Corr. Factor: \_\_\_oC  
Cooler 1 Corrected Temp: \_\_\_oC  
Comments:

Relinquished by/Company: (Signature) *CEO/Gannett Fleming*  
Relinquished by/Company: (Signature) *Fedex*  
Relinquished by/Company: (Signature)

Date/Time: 6/14/23 1300  
Date/Time: 6/15/23 0930  
Date/Time:

Received by/Company: (Signature)  
Received by/Company: (Signature) *S. E. Paul*  
Received by/Company: (Signature)

Date/Time:  
Date/Time: 6/15/23 0930  
Date/Time:

MTJL LAB USE ONLY  
Table #:  
Acctnum:  
Template:  
Prelogin:  
PM:  
PB:

Trip Blank Received: Y N NA  
HCL MeOH TSP Other  
Non Conformance(s): YES / NO  
Page: 1 of 84



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LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or

MTJL Log-In Number Here

40263682

#### ALL BOLD OUTLINED AREAS are for LAB USE ONLY

Company: Gannett Fleming, Inc.	Billing Information: Derrick Paul
Address: 8040 Excelsior Dr., Suite 303 Madison, WI 53717	National Presto Industries (NPI) 3925 N Hastings Way, Eau Claire, WI 54703
Report To: Cliff Wright	Email To: dpaul@gopresto.com
Copy To:	Site Collection Info/Address: Same as Billing Info address above

Customer Project Name/Number: NPI/34283.000	State: WI / County/City: Eau Claire [ ] PT [ ] MT [ x ] CT [ ] ET	Time Zone Collected:
---	---	----------------------

Phone: 608/695-3651 Email: cwright@gfnet.com	Site/Facility ID #: 609038320	Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): Cliff Wright	Purchase Order #: Quote #: Pace 2023 for NPI	DW PWS ID #: DW Location Code:
Collected By (signature):	Turnaround Date Required: Standard	Immediately Packed on Ice: [ ] Yes [ ] No
Sample Disposal: [ x ] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:	Rush: (Expedite Charges Apply) [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day	Field Filtered (if applicable): [ x ] Yes [ ] No  Analysis: Dissolved Cd

\* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns	Container Type: Plastic (P) or Glass (G)	NPI Short-list VOCs	Dissolved cadmium (Cd)
			Date	Time	Date	Time					
MW-68B	GW	Grab	6/12/23	1342	--	--	--	3	G	X	
- 70A				1315							
- 76A				1325							
- 76A Dup				1330							
- 76B				1335							
- 77A				1440				2			
- 77B				1445				2			
- 77B Dup				1450				2			
- 77C				1455				3			
EW-6			6/13	1135				6			

Container Preservative Type **										Lab Project Manager:
3	1									

\*\* Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

Analyses										Lab Profile/Line:
										Lab Sample Receipt Checklist:
										Custody Seals Present/Intact Y N NA
										Custody Signatures Present Y N NA
										Collector Signature Present Y N NA
										Bottles Intact Y N NA
										Correct Bottles Y N NA
										Sufficient Volume Y N NA
										Samples Received on Ice Y N NA
										VOA - Headspace Acceptable Y N NA
										USDA Regulated Soils Y N NA
										Samples in Holding Time Y N NA
										Residual Chlorine Present Y N NA
										Cl Strips: _____
										Sample pH Acceptable Y N NA
										pH Strips: _____
										Sulfide Present Y N NA
										Lead Acetate Strips: _____

Customer Remarks / Special Conditions / Possible Hazards:  
Please send copy of Level IV data package to Mary Gannon for validation and perform MS/MSD on VOC sample sets with six sample vials, if any, and/or as noted above.

Type of Ice Used: Wet Blue Dry None	SHORT HOLDS PRESENT (<72 hours): Y N N/A
Packing Material Used:	Lab Tracking #:
Radchem sample(s) screened (<500 cpm): Y N NA	Samples received via: FEDEX UPS Client Courier Pace Courier

LAB Sample Temperature Info:	
Temp Blank Received: Y N NA	Therm ID#: _____
Cooler 1 Temp Upon Receipt: ____oC	Cooler 1 Therm Corr. Factor: ____oC
Cooler 1 Corrected Temp: ____oC	Comments:

Relinquished by/Company: (Signature) CICLO Gannett Fleming	Date/Time: 6/14/23 1300
Relinquished by/Company: (Signature) Pcdex	Date/Time: 6/15/23 0930
Relinquished by/Company: (Signature)	Date/Time:

Received by/Company: (Signature)	Date/Time:
Received by/Company: (Signature)	Date/Time: 6/15/23 0930
Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY	
Table #:	Acctnum:
	Template:
	Prelogin:
PM:	
PB:	

Trip Blank Received: Y N NA	
HCL MeOH TSP Other	
Non Conformance(s):	Page: 2
YES / NO	Page 76 of 84





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Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

40263682

**ALL BOLD OUTLINED AREAS are for LAB USE ONLY**

Company: Gannett Fleming, Inc.	Billing Information: Derrick Paul
Address: 8040 Excelsior Dr., Suite 303 Madison, WI 53717	National Presto Industries (NPI) 3925 N Hastings Way, Eau Claire, WI 54703
Report To: Cliff Wright	Email To: dpaul@gopresto.com
Copy To:	Site Collection Info/Address: Same as Billing Info address above

Customer Project Name/Number: NPI/34283.000	State: WI / County/City: Eau Claire [ ]PT [ ]MT [ x ]CT [ ]ET	Time Zone Collected:
---	---	----------------------

Phone: 608/695-3651 Email: cwright@gfnet.com	Site/Facility ID #: 609038320	Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): Cliff Wright	Purchase Order #: Quote #: Pace 2023 for NPI	DW PWS ID #: DW Location Code:
Collected By (signature): <i>CW</i>	Turnaround Date Required: Standard	Immediately Packed on Ice: [ ] Yes [ ] No
Sample Disposal: [ x ] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:	Rush: (Expedite Charges Apply) [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day	Field Filtered (if applicable): [ x ] Yes [ ] No  Analysis: Dissolved Cd

\* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns
			Date	Time	Date	Time		
<b>EW-6 Dup</b>	GW	Grab	6-13-23	1140	--	--	--	3
<b>MW-23A</b>				1335				↓
<b>-23B</b>				1340				↓
<b>-38A</b>				1400				↓
<b>-38B</b>				1405				↓
<b>-38C</b>				1410				↓
<b>KW-2A</b>				1305				↓
<b>-2B</b>				1310				↓
<b>-2C</b>				1315				↓
<b>-15</b>				1440				↓

Container Preservative Type **									
3	1								

\*\* Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

Analyses

Container Type: Plastic (P) or Glass (G)	NPI Short-list VOCs	Dissolved cadmium (Cd)											

Lab Profile/Line:

Lab Sample Receipt Checklist:	
Custody Seals Present/Intact	Y N NA
Custody Signatures Present	Y N NA
Collector Signature Present	Y N NA
Bottles Intact	Y N NA
Correct Bottles	Y N NA
Sufficient Volume	Y N NA
Samples Received on Ice	Y N NA
VOA - Headspace Acceptable	Y N NA
USDA Regulated Soils	Y N NA
Samples in Holding Time	Y N NA
Residual Chlorine Present	Y N NA
Cl Strips:	
Sample pH Acceptable	Y N NA
pH Strips:	
Sulfide Present	Y N NA
Lead Acetate Strips:	

LAB USE ONLY:  
Lab Sample # / Comments:

021  
002  
023  
024  
025  
026  
027  
028  
029  
030

Customer Remarks / Special Conditions / Possible Hazards:  
Please send copy of Level IV data package to Mary Gannon for validation and perform MS/MSD on VOC sample sets with six sample vials, if any, and/or as noted above.

Type of Ice Used:	Wet	Blue	Dry	None
Packing Material Used:				
Radchem sample(s) screened (<500 cpm):	Y	N	NA	

SHORT HOLDS PRESENT (<72 hours):	Y	N	N/A
Lab Tracking #:			
Samples received via:	FEDEX	UPS	Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#:
Cooler 1 Temp Upon Receipt: °C
Cooler 1 Therm Corr. Factor: °C
Cooler 1 Corrected Temp: °C
Comments:

Relinquished by/Company: (Signature) <i>CW/Gannett Fleming</i>	Date/Time: 6/14/23 1300
Relinquished by/Company: (Signature) <i>Fedex</i>	Date/Time: 6/15/23 0930

Received by/Company: (Signature) <i>[Signature]</i>	Date/Time: 6/15/23 0930
Received by/Company: (Signature) <i>[Signature]</i>	Date/Time: 6/15/23 0930

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA	
HCL MeOH TSP Other	
Non Conformance(s):	Page: 3
YES / NO	Page 16 of 84



### CHAIN-OF-CUSTODY Analytical Request Document

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: <https://info.pacelabs.com/hubs/pas-standard-terms.pdf>  
Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or  
MTJL Log-in Number Here

40263682

**ALL BOLD OUTLINED AREAS are for LAB USE ONLY**

Company: Gannett Fleming, Inc.	Billing Information: Derrick Paul
Address: 8040 Excelsior Dr., Suite 303 Madison, WI 53717	National Presto Industries (NPI) 3925 N Hastings Way, Eau Claire, WI 54703
Report To: Cliff Wright	Email To: dpaul@gopresto.com
Copy To:	Site Collection Info/Address: Same as Billing Info address above

Customer Project Name/Number: NPI/34283.000	State: WI / County/City: Eau Claire [ ]PT [ ]MT [ x]CT [ ]ET	Time Zone Collected:
---	--	----------------------

Phone: 608/695-3651 Email: cwright@gfnet.com	Site/Facility ID #: 609038320	Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): Cliff Wright	Purchase Order #: Quote #: Pace 2023 for NPI	DW PWS ID #: DW Location Code:
Collected By (signature): <i>CW</i>	Turnaround Date Required: Standard	Immediately Packed on Ice: [ ] Yes [ ] No
Sample Disposal: [ x ] Dispose as appropriate [ ] Return [ ] Archive: _____ [ ] Hold: _____	Rush: (Expedite Charges Apply) [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day	Field Filtered (if applicable): [ x ] Yes [ ] No  Analysis: Dissolved Cd

\* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res CI	# of Ctns	Container Type: Plastic (P) or Glass (G)	NPI Short-list VOCs	Dissolved cadmium (Cd)		
			Date	Time	Date	Time							
WW-15	GW	Grab	6-13-23	1350	--	--	--	3	G	X			
MW-49A	}	}	}	1035									
-51B				0915									
-52A				0935									
-52A Dup				0940									
-52B				0945									
-53A				1000									
-53B				0955									
-54B				1020									
-54C				1025									

Container Preservative Type **										Lab Project Manager:
3	1									

\*\* Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other \_\_\_\_\_

Analyses										Lab Profile/Line:
										Lab Sample Receipt Checklist:
										Custody Seals Present/Intact Y N NA
										Custody Signatures Present Y N NA
										Collector Signature Present Y N NA
										Bottles Intact Y N NA
										Correct Bottles Y N NA
										Sufficient Volume Y N NA
										Samples Received on Ice Y N NA
										VOA - Headspace Acceptable Y N NA
										USDA Regulated Soils Y N NA
										Samples in Holding Time Y N NA
										Residual Chlorine Present Y N NA
										Cl Strips: _____
										Sample pH Acceptable Y N NA
										pH Strips: _____
										Sulfide Present Y N NA
										Lead Acetate Strips: _____

Customer Remarks / Special Conditions / Possible Hazards: Please send copy of Level IV data package to Mary Gannon for validation and perform MS/MSD on VOC sample sets with six sample vials, if any, and/or as noted above.	Type of Ice Used: Wet Blue Dry None	SHORT HOLDS PRESENT (<72 hours): Y N N/A
	Packing Material Used:	Lab Tracking #:
	Radchem sample(s) screened (<500 cpm): Y N NA	Samples received via: FEDEX UPS Client Courier Pace Courier

LAB Sample Temperature Info: Temp Blank Received: Y N NA Therm ID#: _____ Cooler 1 Temp Upon Receipt: ___oC Cooler 1 Therm Corr. Factor: ___oC Cooler 1 Corrected Temp: ___oC Comments:
---

Relinquished by/Company: (Signature) <i>CW</i>	Date/Time: 6/14/23 13:00	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature) <i>Fcdy</i>	Date/Time: 6/15/23 09:30	Received by/Company: (Signature) <i>S...</i>	Date/Time: 6/15/23 09:30
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY	Trip Blank Received: Y N NA HCL MeOH TSP Other
Table #:	Non Conformance(s): Page: 4 YES / NO Page 73 of 84
Acctnum:	
Template:	
Prelogin:	
PM:	
PB:	



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LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

40263682

**ALL BOLD OUTLINED AREAS are for LAB USE ONLY**

Company: Gannett Fleming, Inc.	Billing Information: Derrick Paul
Address: 8040 Excelsior Dr., Suite 303 Madison, WI 53717	National Presto Industries (NPI) 3925 N Hastings Way, Eau Claire, WI 54703
Report To: Cliff Wright	Email To: dpaul@gopresto.com
Copy To:	Site Collection Info/Address: Same as Billing Info address above

Customer Project Name/Number: NPI/34283.000	State: WI / County/City: Eau Claire [ ] PT [ ] MT [ x ] CT [ ] ET
Phone: 608/695-3651 Email: cwright@gfnet.com	Site/Facility ID #: 609038320 Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): Cliff Wright	Purchase Order #: Quote #: Pace 2023 for NPI DW PWS ID #: DW Location Code:
Collected By (signature):	Turnaround Date Required: Standard Immediately Packed on Ice: [ ] Yes [ ] No
Sample Disposal: [ x ] Dispose as appropriate [ ] Return [ ] Archive [ ] Hold:	Rush: (Expedite Charges Apply) [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day Field Filtered (if applicable): [ x ] Yes [ ] No Analysis: Dissolved Cd

\* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns	Container Type: Plastic (P) or Glass (G)	NPI Short-list VOCs	Dissolved cadmium (Cd)
			Date	Time	Date	Time					
MW-55B	GW	Grab	6-13-23	1645	--	--	--	3	G	X	
-55C				1050							
-35A				1505							
-35B				1510							
FW-3A				0840							
-3A Dup				0845							
-3B				0850							
-3C				0845							
MW-41A			6-14-23	0906							
41-41B				0826							

Container Preservative Type **										Lab Project Manager:
3	1									

\*\* Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

Analyses										Lab Profile/Line:
<p>Lab Sample Receipt Checklist:</p> <p>Custody Seals Present/Intact Y N NA</p> <p>Custody Signatures Present Y N NA</p> <p>Collector Signature Present Y N NA</p> <p>Bottles Intact Y N NA</p> <p>Correct Bottles Y N NA</p> <p>Sufficient Volume Y N NA</p> <p>Samples Received on Ice Y N NA</p> <p>VOA - Headspace Acceptable Y N NA</p> <p>USDA Regulated Soils Y N NA</p> <p>Samples in Holding Time Y N NA</p> <p>Residual Chlorine Present Y N NA</p> <p>Cl Strips: _____</p> <p>Sample pH Acceptable Y N NA</p> <p>pH Strips: _____</p> <p>Sulfide Present Y N NA</p> <p>Lead Acetate Strips: _____</p>										

Customer Remarks / Special Conditions / Possible Hazards: Please send copy of Level IV data package to Mary Gannon for validation and perform MS/MSD on VOC sample sets with six sample vials, if any, and/or as noted above.	Type of Ice Used: Wet Blue Dry None	SHORT HOLDS PRESENT (<72 hours): Y N N/A
	Packing Material Used:	Lab Tracking #:
	Radchem sample(s) screened (<500 cpm): Y N NA	Samples received via: FEDEX UPS Client Courier Pace Courier

LAB USE ONLY:										Lab Sample # / Comments:
										041
										042
										043
										044
										045
										046
										047
										048
										049
										050

Relinquished by/Company: (Signature) <i>CCO/Gannett Fleming</i>	Date/Time: 6/14/23 6:30:00	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature) <i>Fedex</i>	Date/Time: 6/15/23 09:30	Received by/Company: (Signature) <i>J. Gannon</i>	Date/Time: 6/15/23 09:30
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

LAB Sample Temperature Info:	
Temp Blank Received: Y N NA	Therm ID#: _____
Cooler 1 Temp Upon Receipt: ___ °C	Cooler 1 Therm Corr. Factor: ___ °C
Cooler 1 Corrected Temp: ___ °C	Comments:
MTJL LAB USE ONLY	
Table #:	Acctnum:
Template:	Prelogin:
PM:	PB:
Trip Blank Received: Y N NA	HCL MeOH TSP Other
Non Conformance(s): YES / NO	Page: 5 of 84



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LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or  
MTJL Log-in Number Here

40263082

**ALL BOLD OUTLINED AREAS are for LAB USE ONLY**

Company: Gannett Fleming, Inc.		Billing Information: Derrick Paul	
Address: 8040 Excelsior Dr., Suite 303 Madison, WI 53717		National Presto Industries (NPI) 3925 N Hastings Way, Eau Claire, WI 54703	
Report To: Cliff Wright		Email To: dpaul@gopresto.com	
Copy To:		Site Collection Info/Address: Same as <i>Billing Info</i> address above	
Customer Project Name/Number: NPI/34283.000		State: County/City: Time Zone Collected: WI / Eau Claire [ ]PT [ ]MT [x]CT [ ]ET	

Container Preservative Type **										Lab Project Manager:	
3	1										
** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____											

Phone: 608/695-3651 Email: cwright@gfnet.com		Site/Facility ID #: 609038320		Compliance Monitoring? [ ] Yes [ ] No	
Collected By (print): Cliff Wright		Purchase Order #:		DW PWS ID #:	
Collected By (signature): <i>Cliff Wright</i>		Quote #: Pace 2023 for NPI		DW Location Code:	
Sample Disposal: [x] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:		Turnaround Date Required: Standard		Immediately Packed on Ice: [ ] Yes [ ] No	
Rush: (Expedite Charges Apply) [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day		Field Filtered (if applicable): [x] Yes [ ] No		Analysis: Dissolved Cd	

Analyses										Lab Profile/Line:	
NPI Short-list VOCs Dissolved cadmium (Cd)										Lab Sample Receipt Checklist:	
										Custody Seals Present/Intact Y N NA	
										Custody Signatures Present Y N NA	
										Collector Signature Present Y N NA	
										Bottles Intact Y N NA	
										Correct Bottles Y N NA	
										Sufficient Volume Y N NA	
										Samples Received on Ice Y N NA	
										VOA - Headspace Acceptable Y N NA	
										USDA Regulated Soils Y N NA	
									Samples in Holding Time Y N NA		
									Residual Chlorine Present Y N NA		
									Cl Strips: _____		
									Sample pH Acceptable Y N NA		
									pH Strips: _____		
									Sulfide Present Y N NA		
									Lead Acetate Strips: _____		
									LAB USE ONLY: Lab Sample # / Comments:		

\* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns	Container Type: Plastic (P) or Glass (G)
			Date	Time	Date	Time			
MW-43A	GW	Grab	6-14-23	0806	--	--	--	3	G
W-43B				0835				1	
RW-16				1000				1	
-16B				0935				1	
-16C				0935				1	
Trip blank			6/12-14/23					2	

Customer Remarks / Special Conditions / Possible Hazards: Please send copy of Level IV data package to Mary Gannon for validation and perform MS/MSD on VOC sample sets with six sample vials, if any, and/or as noted above.	Type of Ice Used: Wet Blue Dry None				SHORT HOLDS PRESENT (<72 hours): Y N N/A			
	Packing Material Used:				Lab Tracking #:			
	Radchem sample(s) screened (<500 cpm): Y N NA				Samples received via: FEDEX UPS Client Courier Pace Courier			

LAB Sample Temperature Info:		
Temp Blank Received: Y N NA	Therm ID#:	
Cooler 1 Temp Upon Receipt: ___oC	Cooler 1 Therm Corr. Factor: ___oC	
Cooler 1 Corrected Temp: ___oC	Comments:	

Relinquished by/Company: (Signature) <i>Cliff Wright/Gannett Fleming</i>	Date/Time: 6-14-23 17:00	Received by/Company: (Signature)	Date/Time:	MTJL LAB USE ONLY	
Relinquished by/Company: (Signature) <i>Fedor</i>	Date/Time: 6/15/23 06:30	Received by/Company: (Signature) <i>[Signature]</i>	Date/Time: 6/15/23 09:30	Table #:	Trip Blank Received: Y N NA
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Acctnum:	HCL MeOH TSP Other
				Template:	
				Prelogin:	
				PM:	Non Conformance(s):
				PB:	YES / NO
					Page: <u>6</u> Page <u>60</u> of 84

Effective Date: 8/16/2022

Client Name: Gannett Fleming

Sample Preservation Receipt Form  
 Project # 40203082  
 Yes  No  N/A  
 Lab Lot# of pH paper 1010723 Lab Std #ID of preservation (if pH adjusted):

Initial when completed SB Date/Time:

Pace Lab #	Glass						Plastic					Vials				Jars				General		VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)								
	AG1U	BG1U	AG1H	AG4S	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	BP2Z	VG9C	DG9T	VG9U	VG9H	VG9M	VG9D	JG9U	JG9U								WG9U	WPFU	SP5T	ZPLC	GN 1	GN 2		
001																																				2.5 / 5
002																																				2.5 / 5
003																																				2.5 / 5
004																																				2.5 / 5
005																																				2.5 / 5
006																																				2.5 / 5
007																																				2.5 / 5
008																																				2.5 / 5
009																																				2.5 / 5
010																																				2.5 / 5
011																																				2.5 / 5
012																																				2.5 / 5
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015																																				2.5 / 5
016																																				2.5 / 5
017																																				2.5 / 5
018																																				2.5 / 5
019																																				2.5 / 5
020																																				2.5 / 5

Exceptions to preservation check: VOA Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other \_\_\_\_\_ Headspace in VOA Vials (>6mm)  Yes  No  N/A \*If yes look in headspace column

<b>AG1U</b> 1 liter amber glass	<b>BP1U</b> 1 liter plastic unpres	<b>VG9C</b> 40 mL clear ascorbic w/ HCl	<b>JG9U</b> 4 oz amber jar unpres
<b>BG1U</b> 1 liter clear glass	<b>BP3U</b> 250 mL plastic unpres	<b>DG9T</b> 40 mL amber Na Thio	<b>JG9U</b> 9 oz amber jar unpres
<b>AG1H</b> 1 liter amber glass HCL	<b>BP3B</b> 250 mL plastic NaOH	<b>VG9U</b> 40 mL clear vial unpres	<b>WG9U</b> 4 oz clear jar unpres
<b>AG4S</b> 125 mL amber glass H2SO4	<b>BP3N</b> 250 mL plastic HNO3	<b>VG9H</b> 40 mL clear vial HCL	<b>WPFU</b> 4 oz plastic jar unpres
<b>AG5U</b> 100 mL amber glass unpres	<b>BP3S</b> 250 mL plastic H2SO4	<b>VG9M</b> 40 mL clear vial MeOH	<b>SP5T</b> 120 mL plastic Na Thiosulfate
<b>AG2S</b> 500 mL amber glass H2SO4	<b>BP2Z</b> 500 mL plastic NaOH + Zn	<b>VG9D</b> 40 mL clear vial DI	<b>ZPLC</b> ziploc bag
<b>BG3U</b> 250 mL clear glass unpres			<b>GN 1</b>
			<b>GN 2</b>

Client Name: Garnett Fleming

Sample Preservation Receipt Form

Project #: 40263682

Pace Lab #	Glass						Plastic						Vials					Jars				General				VOA Vials (>6mm) *	H <sub>2</sub> SO <sub>4</sub> pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO <sub>3</sub> pH ≤2	pH after adjusted	Volume (mL)				
	AG1U	BG1U	AG1H	AG4S	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	BP2Z	VG9C	DG9T	VG9U	VG9H	VG9M	VG9D	JG9U	JG9U	WG9U	WPFU	SP5T	ZPLC								GN 1	GN 2		
021																																				2.5 / 5
022																																				2.5 / 5
023																																				2.5 / 5
024																																				2.5 / 5
025																																				2.5 / 5
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045																																				2.5 / 5
046																																				2.5 / 5
047																																				2.5 / 5
048																																				2.5 / 5

Client Name: Gannett Fleming Sample Preservation Receipt Form  
 Project #: 40263082

Pace Lab #	Glass			Plastic				Vials			Jars			General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act. pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)																		
	AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JG9U	JG9U	WG9U	WP9U	SP5T	ZPLC	GN															
49																																							2.5 / 5 / 10		
50																																								2.5 / 5 / 10	
51																																								2.5 / 5 / 10	
52																																								2.5 / 5 / 10	
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G/15/2386

Sample Condition Upon Receipt Form (SCUR)

Project #:

Client Name:

Gannett Fleming

WO#: 40263682

Courier:  CS Logistics  Fed Ex  Speedee  UPS  Waltco  
 Client  Pace Other: \_\_\_\_\_



Tracking #: 5092 4929 1177

Custody Seal on Cooler/Box Present:  yes  no Seals intact:  yes  no

Custody Seal on Samples Present:  yes  no Seals intact:  yes  no

Packing Material:  Bubble Wrap  Bubble Bags  None  Other

Thermometer Used SR-109 Type of Ice: Wet Blue Dry None  Meltwater Only

Cooler Temperature Uncorr: 0.0 / Corr: 0.0

Temp Blank Present:  yes  no

Biological Tissue is Frozen:  yes  no

Person examining contents:

Date: 6/15/18 Initials: SG

Labeled By Initials: AG

Temp should be above freezing to 6°C.  
 Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- DI VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
Correct Type: <u>Pace Green Bay</u> , Pace IR, Non-Pace		
Containers Intact:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	10. <u>039 P-030 1/3 Nails arrived broken 6/15/18</u>
Filtered volume received for Dissolved tests	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	11. <u>6/15/18</u>
Sample Labels match COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. <u>013 TIME "1525" 015 time "1535"</u> <u>014 time "1530" 6/15/18 SG</u>
-Includes date/time/ID/Analysis Matrix: <u>W</u>		
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution:

If checked, see attached form for additional comments

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample logir

Page 2 of 2  
4 4



June 21, 2023

**Project #34283.000 NPI**  
**Q2 Groundwater (2 OF 2)**  
**Reviewed by CCW**  
**6/23/2023**

Clifford Wright  
Gannett Fleming  
8040 Excelsior Drive, Ste 303  
Madison, WI 53717

RE: Project: 34283.000 NPI  
Pace Project No.: 40263683

Dear Clifford Wright:

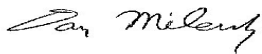
Enclosed are the analytical results for sample(s) received by the laboratory on June 15, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Ormond Beach

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Dan Milewsky  
dan.milewsky@pacelabs.com  
(920)469-2436  
Project Manager

Enclosures

cc: Mary Gannon, MCW Scientific Solutions  
Marcus Mussey, Gannett Fleming Inc.



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: 34283.000 NPI  
Pace Project No.: 40263683

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### **Pace Analytical Services Ormond Beach**

8 East Tower Circle, Ormond Beach, FL 32174  
Alaska DEC- CS/UST/LUST  
Alabama Certification #: 41320  
Colorado Certification: FL NELAC Reciprocity  
Connecticut Certification #: PH-0216  
Delaware Certification: FL NELAC Reciprocity  
DoD-ANAB #: ADE-3199  
Florida Certification #: E83079  
Georgia Certification #: 955  
Guam Certification: FL NELAC Reciprocity  
Hawaii Certification: FL NELAC Reciprocity  
Illinois Certification #: 200068  
Indiana Certification: FL NELAC Reciprocity  
Kansas Certification #: E-10383  
Kentucky Certification #: 90050  
Louisiana Certification #: FL NELAC Reciprocity  
Louisiana Environmental Certificate #: 05007  
Maine Certification #: FL01264  
Maryland Certification: #346  
Massachusetts Certification #: M-FL1264  
Michigan Certification #: 9911  
Mississippi Certification: FL NELAC Reciprocity

Missouri Certification #: 236  
Montana Certification #: Cert 0074  
Nebraska Certification: NE-OS-28-14  
New Hampshire Certification #: 2958  
New Jersey Certification #: FL022  
New York Certification #: 11608  
North Carolina Environmental Certificate #: 667  
North Carolina Certification #: 12710  
North Dakota Certification #: R-216  
Ohio DEP 87780  
Oklahoma Certification #: D9947  
Pennsylvania Certification #: 68-00547  
Puerto Rico Certification #: FL01264  
South Carolina Certification: #96042001  
Tennessee Certification #: TN02974  
Texas Certification: FL NELAC Reciprocity  
US Virgin Islands Certification: FL NELAC Reciprocity  
Virginia Environmental Certification #: 460165  
West Virginia Certification #: 9962C  
Wisconsin Certification #: 399079670  
Wyoming (EPA Region 8): FL NELAC Reciprocity

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: 34283.000 NPI  
Pace Project No.: 40263683

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Lab ID	Sample ID	Matrix	Date Collected	Date Received
40263683001	FINISHED WATER	Water	06/13/23 07:40	06/15/23 09:30
40263683002	FINISHED WATER-DUP	Water	06/13/23 07:45	06/15/23 09:30
40263683003	TRIP BLANK	Water	06/13/23 00:00	06/15/23 09:30

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: 34283.000 NPI  
Pace Project No.: 40263683

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40263683001	FINISHED WATER	EPA 524.2	AS4	8	PASI-O
40263683002	FINISHED WATER-DUP	EPA 524.2	AS4	8	PASI-O
40263683003	TRIP BLANK	EPA 524.2	AS4	8	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

### REPORT OF LABORATORY ANALYSIS

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## PROJECT NARRATIVE

Project: 34283.000 NPI  
Pace Project No.: 40263683

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**Method:** EPA 524.2  
**Description:** 524.2 MSV  
**Client:** Gannett Fleming Inc.  
**Date:** June 21, 2023

### General Information:

3 samples were analyzed for EPA 524.2 by Pace Analytical Services Ormond Beach. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

### Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

### Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

### Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

### Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

### Surrogates:

All surrogates were within QC limits with any exceptions noted below.

### Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

### Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: 927038

R1: RPD value was outside control limits.

- LCSD (Lab ID: 5095296)
- 1,1-Dichloroethene

### Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

### Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40263683

**Sample: FINISHED WATER**      **Lab ID: 40263683001**      Collected: 06/13/23 07:40      Received: 06/15/23 09:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>524.2 MSV</b>									
Analytical Method: EPA 524.2									
Pace Analytical Services - Ormond Beach									
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/19/23 05:15	75-34-3	
1,1-Dichloroethene	<0.29	ug/L	0.50	0.29	1		06/19/23 05:15	75-35-4	
Tetrachloroethene	<0.26	ug/L	0.50	0.26	1		06/19/23 05:15	127-18-4	
1,1,1-Trichloroethane	<0.27	ug/L	0.50	0.27	1		06/19/23 05:15	71-55-6	
Trichloroethene	<0.26	ug/L	0.50	0.26	1		06/19/23 05:15	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	92	%	70-130		1		06/19/23 05:15	460-00-4	
Toluene-d8 (S)	96	%	70-130		1		06/19/23 05:15	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		06/19/23 05:15	2199-69-1	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40263683

**Sample: FINISHED WATER-DUP**      **Lab ID: 40263683002**      Collected: 06/13/23 07:45      Received: 06/15/23 09:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>524.2 MSV</b>									
Analytical Method: EPA 524.2									
Pace Analytical Services - Ormond Beach									
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/19/23 05:40	75-34-3	
1,1-Dichloroethene	<0.29	ug/L	0.50	0.29	1		06/19/23 05:40	75-35-4	
Tetrachloroethene	<0.26	ug/L	0.50	0.26	1		06/19/23 05:40	127-18-4	
1,1,1-Trichloroethane	<0.27	ug/L	0.50	0.27	1		06/19/23 05:40	71-55-6	
Trichloroethene	<0.26	ug/L	0.50	0.26	1		06/19/23 05:40	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	93	%	70-130		1		06/19/23 05:40	460-00-4	
Toluene-d8 (S)	97	%	70-130		1		06/19/23 05:40	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		06/19/23 05:40	2199-69-1	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40263683

**Sample: TRIP BLANK**      **Lab ID: 40263683003**      Collected: 06/13/23 00:00      Received: 06/15/23 09:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>524.2 MSV</b>									
Analytical Method: EPA 524.2									
Pace Analytical Services - Ormond Beach									
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/19/23 06:05	75-34-3	
1,1-Dichloroethene	<0.29	ug/L	0.50	0.29	1		06/19/23 06:05	75-35-4	
Tetrachloroethene	<0.26	ug/L	0.50	0.26	1		06/19/23 06:05	127-18-4	
1,1,1-Trichloroethane	<0.27	ug/L	0.50	0.27	1		06/19/23 06:05	71-55-6	
Trichloroethene	<0.26	ug/L	0.50	0.26	1		06/19/23 06:05	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	92	%	70-130		1		06/19/23 06:05	460-00-4	
Toluene-d8 (S)	96	%	70-130		1		06/19/23 06:05	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		06/19/23 06:05	2199-69-1	

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 34283.000 NPI  
Pace Project No.: 40263683

QC Batch: 927038	Analysis Method: EPA 524.2
QC Batch Method: EPA 524.2	Analysis Description: 524.2 MSV
	Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 40263683001, 40263683002, 40263683003

METHOD BLANK: 5095294 Matrix: Water  
Associated Lab Samples: 40263683001, 40263683002, 40263683003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.27	0.50	06/18/23 22:39	
1,1-Dichloroethane	ug/L	<0.27	1.0	06/18/23 22:39	
1,1-Dichloroethene	ug/L	<0.29	0.50	06/18/23 22:39	
Tetrachloroethene	ug/L	<0.26	0.50	06/18/23 22:39	
Trichloroethene	ug/L	<0.26	0.50	06/18/23 22:39	
1,2-Dichlorobenzene-d4 (S)	%	103	70-130	06/18/23 22:39	
4-Bromofluorobenzene (S)	%	94	70-130	06/18/23 22:39	
Toluene-d8 (S)	%	96	70-130	06/18/23 22:39	

LABORATORY CONTROL SAMPLE & LCSD: 5095295

Parameter	Units	5095296		LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
		Spike Conc.	LCS Result						
1,1,1-Trichloroethane	ug/L	10	9.9	100	100	70-130	1	20	
1,1-Dichloroethane	ug/L	10	10.3	103	104	70-130	1	20	
1,1-Dichloroethene	ug/L	10	9.9	130	130	70-130	27	20	R1
Tetrachloroethene	ug/L	10	10.6	106	108	70-130	2	20	
Trichloroethene	ug/L	10	9.5	95	93	70-130	2	20	
1,2-Dichlorobenzene-d4 (S)	%			100	100	70-130			
4-Bromofluorobenzene (S)	%			97	98	70-130			
Toluene-d8 (S)	%			94	95	70-130			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5096065

Parameter	Units	5096066		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40263683001 Result	MS Spike Conc.								
1,1,1-Trichloroethane	ug/L	<0.27	20	17.2	16.0	86	80	70-130	7	20	
1,1-Dichloroethane	ug/L	<0.27	20	17.4	16.3	87	81	70-130	6	20	
1,1-Dichloroethene	ug/L	<0.29	20	17.8	16.5	89	82	70-130	8	20	
Tetrachloroethene	ug/L	<0.26	20	18.8	17.2	94	86	70-130	9	20	
Trichloroethene	ug/L	<0.26	20	17.1	15.7	86	79	70-130	9	20	
1,2-Dichlorobenzene-d4 (S)	%					98	101	70-130			
4-Bromofluorobenzene (S)	%					94	94	70-130			
Toluene-d8 (S)	%					96	94	70-130			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

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## QUALIFIERS

Project: 34283.000 NPI

Pace Project No.: 40263683

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

DL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### ANALYTE QUALIFIERS

R1 RPD value was outside control limits.

## REPORT OF LABORATORY ANALYSIS

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**QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: 34283.000 NPI  
Pace Project No.: 40263683

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40263683001	FINISHED WATER	EPA 524.2	927038		
40263683002	FINISHED WATER-DUP	EPA 524.2	927038		
40263683003	TRIP BLANK	EPA 524.2	927038		

**REPORT OF LABORATORY ANALYSIS**

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# CHAIN-OF-CUSTODY Analytical Request Document

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: <https://info.pacelabs.com/hubfs/pas-standard-terms.pdf>  
Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-In Number Here

40203683

**ALL BOLD OUTLINED AREAS are for LAB USE ONLY**

Company: Gannett Fleming, Inc.	Billing Information: Derrick Paul
Address: 8040 Excelsior Dr., Suite 303 Madison, WI 53717	National Presto Industries (NPI) 3925 N Hastings Way, Eau Claire, WI 54703
Report To: Cliff Wright	Email To: dpaul@gopresto.com
Copy To:	Site Collection Info/Address: Same as Billing Info address above
Customer Project Name/Number: NPI/34283.000	State: WI / County/City: / Time Zone Collected: [ ]PT [ ]MT [x]CT [ ]ET

Container Preservative Type **	Lab Project Manager:
3	
** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other	

Phone: 608/695-3651 Email: cwright@gfnet.com	Site/Facility ID #: 609038320	Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): Cliff Wright	Purchase Order #: Quote #: Pace 2023 for NPI	DW PWS ID #: DW Location Code:
Collected By (Signature): <i>[Signature]</i>	Turnaround Date Required: Standard	Immediately Packed on Ice: [ ] Yes [ ] No
Sample Disposal: [x] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:	Rush: (Expedite Charges Apply) [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day	Field Filtered (if applicable): [ ] Yes [ ] No  Analysis:

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns	Container Type: Plastic (P) or Glass (G)	Analyses	Lab Profile/Line:
			Date	Time	Date	Time					
Finished water	DW	Grab	6-13-23	0740	--	--	--	6	G		Lab Sample Receipt Checklist: Custody Seals Present/Intact Y N NA Custody Signatures Present Y N NA Collector Signature Present Y N NA Bottles Intact Y N NA Correct Bottles Y N NA Sufficient Volume Y N NA Samples Received on Ice Y N NA VOA - Headspace Acceptable Y N NA USDA Regulated Soils Y N NA Samples in Holding Time Y N NA Residual Chlorine Present Y N NA Cl Strips: Y N NA Sample pH Acceptable Y N NA pH Strips: Y N NA Sulfide Present Y N NA Lead Acetate Strips: Y N NA  LAB USE ONLY: Lab Sample # / Comments:
<i>↓ - Dup Trip blank</i>	<i>u</i>	<i>u</i>	<i>↓</i>	<i>0745</i>				<i>2</i>	<i>X</i>		<i>001</i> <i>002</i> <i>003</i>

\* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Remarks / Special Conditions / Possible Hazards: Please send copy of Level IV data package to Mary Gannon for validation and perform MS/MSD on VOC sample sets with six sample vials, if any, and/or as noted above.

Type of Ice Used: Wet Blue Dry None	SHORT HOLDS PRESENT (<72 hours): Y N N/A
Packing Material Used:	Lab Tracking #:
Radchem sample(s) screened (<500 cpm): Y N NA	Samples received via: FEDEX UPS Client Courier Pace Courier

LAB Sample Temperature Info: Temp Blank Received: Y N NA Therm ID#: Cooler 1 Temp Upon Receipt: °C Cooler 1 Therm Corr. Factor: °C Cooler 1 Corrected Temp: °C Comments:
--

Relinquished by/Company: (Signature) <i>[Signature]</i> Gannett Fleming	Date/Time: 6/14/23 1300
Relinquished by/Company: (Signature) <i>[Signature]</i> FedEx	Date/Time: 6/15/23 0930
Relinquished by/Company: (Signature)	Date/Time:

Received by/Company: (Signature)	Date/Time:
Received by/Company: (Signature)	Date/Time: 6/15/23 0930
Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY	
Table #:	<i>[Signature]</i>
Acctnum:	
Template:	
Prelogin:	
PM:	
PB:	

Trip Blank Received: Y N NA HCL MeOH TSP Other
Non Conformance(s): YES / NO Page 12 of 14

Effective Date: 8/16/2022

Client Name: Gannett Fleming

Sample Preservation Receipt Form  
 Project # 40263683  
 Yes  No  N/A  
 Lab Std #/ID of preservation (if pH adjusted):

All containers needing preservation have been checked and noted below  
 Lab Lot# of pH paper.

Initial when completed:  
 Date/ Time.

Pace Lab #	Glass						Plastic						Vials					Jars				General				VOA Vials (>6mm) *	H <sub>2</sub> SO <sub>4</sub> pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO <sub>3</sub> pH ≤2	pH after adjusted	Volume (mL)		
	AG1U	BG1U	AG1H	AG4S	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	BP2Z	VG9C	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC								GN 1	GN 2
001																																		
002																																		2.5 / 5
003																																		2.5 / 5
004																																		2.5 / 5
005																																		2.5 / 5
006																																		2.5 / 5
007																																		2.5 / 5
008																																		2.5 / 5
009																																		2.5 / 5
010																																		2.5 / 5
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016																																		2.5 / 5
017																																		2.5 / 5
018																																		2.5 / 5
019																																		2.5 / 5
020																																		2.5 / 5

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other      Headspace in VOA Vials (>6mm):  Yes  No  N/A      \*If yes look in headspace column

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	VG9C	40 mL clear ascorbic w/ HCl	JGFU	4 oz amber jar unpres
BG1U	1 liter clear glass	BP3U	250 mL plastic unpres	DG9T	40 mL amber Na Thio	JG9U	9 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP3B	250 mL plastic NaOH	VG9U	40 mL clear vial unpres	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H <sub>2</sub> SO <sub>4</sub>	BP3N	250 mL plastic HNO <sub>3</sub>	VG9H	40 mL clear vial HCL	WPFU	4 oz plastic jar unpres
AG5U	100 mL amber glass unpres	BP3S	250 mL plastic H <sub>2</sub> SO <sub>4</sub>	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H <sub>2</sub> SO <sub>4</sub>	BP2Z	500 mL plastic NaOH + Zn	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres					GN 1	
						GN 2	

Page 1 of 2

**Sample Condition Upon Receipt Form (SCUR)**

Project #:

Client Name:

Gannett Fleming

Courier:  CS Logistics  Fed Ex  Speedee  UPS  Walto  
 Client  Pace Other: \_\_\_\_\_

WO#: **40263683**



Tracking #: 5092 4929 1177

Custody Seal on Cooler/Box Present:  yes  no Seals intact:  yes  no

Custody Seal on Samples Present:  yes  no Seals intact:  yes  no

Packing Material:  Bubble Wrap  Bubble Bags  None  Other

Thermometer Used SR-109 Type of Ice:  Wet  Blue  Dry  None  Meltwater Only

Cooler Temperature Uncorr: 0.0 / Corr: 0.0

Temp Blank Present:  yes  no Biological Tissue is Frozen:  yes  no

Temp should be above freezing to 6°C.

Biota Samples may be received at ≤ 0°C if shipped on Dry Ice

Person examining contents:

Date: 6/15/23 Initials: SC

Labeled By Initials: MD8

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- DI VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
Correct Type: <u>Race Green Bay</u> , Pace IR, Non-Pace		
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>W2</u>		
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>503</u>		

**Client Notification/ Resolution:**

If checked, see attached form for additional comments

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample log in



September 11, 2023

Project #34283.000 NPI  
Q3 Groundwater  
Reviewed by CCW  
9/11/2023

Clifford Wright  
Gannett Fleming  
8040 Excelsior Drive, Ste 303  
Madison, WI 53717

RE: Project: 34283.000 NPI  
Pace Project No.: 40267421

Dear Clifford Wright:

Enclosed are the analytical results for sample(s) received by the laboratory on August 31, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Dan Milewsky  
dan.milewsky@pacelabs.com  
(920)469-2436  
Project Manager

Enclosures

cc: Mary Gannon, MCW Scientific Solutions  
Marcus Mussey, Gannett Fleming Inc.



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: 34283.000 NPI

Pace Project No.: 40267421

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### **Pace Analytical Services Green Bay**

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

South Carolina Certification #: 83006001

Texas Certification #: T104704529-21-8

Virginia VELAP Certification ID: 11873

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-21-00008

Federal Fish & Wildlife Permit #: 51774A

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**SAMPLE SUMMARY**

Project: 34283.000 NPI

Pace Project No.: 40267421

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40267421001	MW-34A	Water	08/29/23 12:35	08/31/23 07:45
40267421002	MW-34B	Water	08/29/23 12:30	08/31/23 07:45
40267421003	MW-68A	Water	08/29/23 13:55	08/31/23 07:45
40267421004	MW-68B	Water	08/29/23 13:50	08/31/23 07:45
40267421005	MW-70A	Water	08/29/23 12:50	08/31/23 07:45
40267421006	MH-18	Water	08/29/23 11:15	08/31/23 07:45
40267421007	EW-6	Water	08/29/23 10:50	08/31/23 07:45
40267421008	EW-6 DUP	Water	08/29/23 10:50	08/31/23 07:45
40267421009	MW-10A	Water	08/29/23 14:30	08/31/23 07:45
40267421010	MW-10B	Water	08/29/23 14:45	08/31/23 07:45
40267421011	MW-4A	Water	08/29/23 13:10	08/31/23 07:45
40267421012	MW-4B	Water	08/29/23 13:15	08/31/23 07:45
40267421013	MW-77A	Water	08/29/23 13:25	08/31/23 07:45
40267421014	MW-77B	Water	08/29/23 13:30	08/31/23 07:45
40267421015	MW-77C	Water	08/29/23 13:35	08/31/23 07:45
40267421016	MW-76A	Water	08/29/23 10:55	08/31/23 07:45
40267421017	MW-76A DUP	Water	08/29/23 10:55	08/31/23 07:45
40267421018	MW-76B	Water	08/29/23 10:45	08/31/23 07:45
40267421019	MW-75	Water	08/29/23 12:20	08/31/23 07:45
40267421020	MW-70B	Water	08/29/23 12:55	08/31/23 07:45
40267421021	EW-6-24	Water	08/30/23 09:15	08/31/23 07:45
40267421022	TRIP BLANK	Water	08/29/23 00:00	08/31/23 07:45
40267421023	RW-2A	Water	08/30/23 08:15	08/31/23 07:45
40267421024	RW-2B	Water	08/30/23 08:10	08/31/23 07:45
40267421025	RW-2C	Water	08/30/23 08:20	08/31/23 07:45
40267421026	EC-1	Water	08/30/23 10:10	08/31/23 07:45

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### SAMPLE ANALYTE COUNT

Project: 34283.000 NPI

Pace Project No.: 40267421

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40267421001	MW-34A	EPA 6010D	SIS	1	PASI-G
40267421002	MW-34B	EPA 6010D	SIS	1	PASI-G
40267421003	MW-68A	EPA 8260	CXJ	8	PASI-G
40267421004	MW-68B	EPA 6010D	SIS	1	PASI-G
40267421005	MW-70A	EPA 8260	CXJ	8	PASI-G
40267421006	MH-18	EPA 6010D	SIS	1	PASI-G
		EPA 8260	CXJ	8	PASI-G
40267421007	EW-6	EPA 8260	CXJ	8	PASI-G
40267421008	EW-6 DUP	EPA 8260	CXJ	8	PASI-G
40267421009	MW-10A	EPA 6010D	SIS	1	PASI-G
40267421010	MW-10B	EPA 6010D	SIS	1	PASI-G
40267421011	MW-4A	EPA 8260	CXJ	8	PASI-G
40267421012	MW-4B	EPA 8260	CXJ	8	PASI-G
40267421013	MW-77A	EPA 8260	EIB	8	PASI-G
40267421014	MW-77B	EPA 8260	EIB	8	PASI-G
40267421015	MW-77C	EPA 8260	EIB	8	PASI-G
40267421016	MW-76A	EPA 8260	EIB	8	PASI-G
40267421017	MW-76A DUP	EPA 8260	EIB	8	PASI-G
40267421018	MW-76B	EPA 8260	EIB	8	PASI-G
40267421019	MW-75	EPA 6010D	SIS	1	PASI-G
40267421020	MW-70B	EPA 6010D	SIS	1	PASI-G
40267421021	EW-6-24	EPA 8260	EIB	8	PASI-G
40267421022	TRIP BLANK	EPA 8260	EIB	8	PASI-G
40267421023	RW-2A	EPA 8260	EIB	8	PASI-G
40267421024	RW-2B	EPA 8260	EIB	8	PASI-G
40267421025	RW-2C	EPA 8260	EIB	8	PASI-G
40267421026	EC-1	EPA 8260	EIB	8	PASI-G

PASI-G = Pace Analytical Services - Green Bay

### REPORT OF LABORATORY ANALYSIS

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**SUMMARY OF DETECTION**

Project: 34283.000 NPI

Pace Project No.: 40267421

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>40267421001</b>	<b>MW-34A</b>					
EPA 6010D	Cadmium, Dissolved	3.5J	ug/L	5.0	09/07/23 16:12	
<b>40267421003</b>	<b>MW-68A</b>					
EPA 8260	Trichloroethene	0.50J	ug/L	1.0	09/05/23 18:10	
<b>40267421004</b>	<b>MW-68B</b>					
EPA 6010D	Cadmium, Dissolved	1.9J	ug/L	5.0	09/07/23 16:16	
<b>40267421005</b>	<b>MW-70A</b>					
EPA 8260	1,1-Dichloroethane	0.36J	ug/L	1.0	09/05/23 18:27	
EPA 8260	Trichloroethene	0.35J	ug/L	1.0	09/05/23 18:27	
<b>40267421006</b>	<b>MH-18</b>					
EPA 8260	1,1,1-Trichloroethane	2.2	ug/L	1.0	09/05/23 18:44	
EPA 8260	1,1-Dichloroethane	1.4	ug/L	1.0	09/05/23 18:44	
EPA 8260	Tetrachloroethene	0.72J	ug/L	1.0	09/05/23 18:44	
EPA 8260	Trichloroethene	2.0	ug/L	1.0	09/05/23 18:44	
<b>40267421007</b>	<b>EW-6</b>					
EPA 8260	1,1,1-Trichloroethane	3.2	ug/L	1.0	09/05/23 14:25	
EPA 8260	1,1-Dichloroethane	1.8	ug/L	1.0	09/05/23 14:25	
EPA 8260	Tetrachloroethene	1.1	ug/L	1.0	09/05/23 14:25	
EPA 8260	Trichloroethene	2.6	ug/L	1.0	09/05/23 14:25	
<b>40267421008</b>	<b>EW-6 DUP</b>					
EPA 8260	1,1,1-Trichloroethane	3.4	ug/L	1.0	09/05/23 19:02	
EPA 8260	1,1-Dichloroethane	1.8	ug/L	1.0	09/05/23 19:02	
EPA 8260	Tetrachloroethene	1.1	ug/L	1.0	09/05/23 19:02	
EPA 8260	Trichloroethene	2.5	ug/L	1.0	09/05/23 19:02	
<b>40267421009</b>	<b>MW-10A</b>					
EPA 6010D	Cadmium, Dissolved	11.9	ug/L	5.0	09/07/23 16:18	
<b>40267421010</b>	<b>MW-10B</b>					
EPA 6010D	Cadmium, Dissolved	6.0	ug/L	5.0	09/07/23 16:20	
<b>40267421013</b>	<b>MW-77A</b>					
EPA 8260	Trichloroethene	0.63J	ug/L	1.0	09/07/23 19:29	
<b>40267421014</b>	<b>MW-77B</b>					
EPA 8260	Trichloroethene	1.5	ug/L	1.0	09/07/23 19:49	
<b>40267421015</b>	<b>MW-77C</b>					
EPA 8260	Trichloroethene	0.45J	ug/L	1.0	09/07/23 20:08	
<b>40267421016</b>	<b>MW-76A</b>					
EPA 8260	1,1,1-Trichloroethane	9.1	ug/L	1.0	09/07/23 20:28	
EPA 8260	1,1-Dichloroethane	1.4	ug/L	1.0	09/07/23 20:28	
EPA 8260	Tetrachloroethene	0.80J	ug/L	1.0	09/07/23 20:28	
EPA 8260	Trichloroethene	1.2	ug/L	1.0	09/07/23 20:28	

**REPORT OF LABORATORY ANALYSIS**

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### SUMMARY OF DETECTION

Project: 34283.000 NPI

Pace Project No.: 40267421

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>40267421017</b>	<b>MW-76A DUP</b>					
EPA 8260	1,1,1-Trichloroethane	9.1	ug/L	1.0	09/05/23 17:18	
EPA 8260	1,1-Dichloroethane	1.3	ug/L	1.0	09/05/23 17:18	
EPA 8260	Tetrachloroethene	0.79J	ug/L	1.0	09/05/23 17:18	
EPA 8260	Trichloroethene	1.2	ug/L	1.0	09/05/23 17:18	
<b>40267421019</b>	<b>MW-75</b>					
EPA 6010D	Cadmium, Dissolved	1.7J	ug/L	5.0	09/07/23 16:26	
<b>40267421020</b>	<b>MW-70B</b>					
EPA 6010D	Cadmium, Dissolved	3.8J	ug/L	5.0	09/07/23 16:28	
<b>40267421021</b>	<b>EW-6-24</b>					
EPA 8260	1,1,1-Trichloroethane	4.6	ug/L	1.0	09/05/23 17:38	
EPA 8260	1,1-Dichloroethane	1.0	ug/L	1.0	09/05/23 17:38	
EPA 8260	Tetrachloroethene	0.69J	ug/L	1.0	09/05/23 17:38	
EPA 8260	Trichloroethene	1.5	ug/L	1.0	09/05/23 17:38	
<b>40267421023</b>	<b>RW-2A</b>					
EPA 8260	1,1,1-Trichloroethane	0.32J	ug/L	1.0	09/08/23 13:34	
EPA 8260	Trichloroethene	2.2	ug/L	1.0	09/08/23 13:34	
<b>40267421024</b>	<b>RW-2B</b>					
EPA 8260	Trichloroethene	1.2	ug/L	1.0	09/08/23 13:53	
<b>40267421025</b>	<b>RW-2C</b>					
EPA 8260	Trichloroethene	2.1	ug/L	1.0	09/08/23 12:36	
<b>40267421026</b>	<b>EC-1</b>					
EPA 8260	Trichloroethene	0.62J	ug/L	1.0	09/08/23 12:55	

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## PROJECT NARRATIVE

Project: 34283.000 NPI

Pace Project No.: 40267421

---

**Method:** EPA 6010D

**Description:** 6010D MET ICP

**Client:** Gannett Fleming Inc.

**Date:** September 11, 2023

**General Information:**

1 sample was analyzed for EPA 6010D by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

**Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

**Sample Preparation:**

The samples were prepared in accordance with EPA 3010A with any exceptions noted below.

**Initial Calibrations (including MS Tune as applicable):**

All criteria were within method requirements with any exceptions noted below.

**Continuing Calibration:**

All criteria were within method requirements with any exceptions noted below.

**Method Blank:**

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

**Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

**Matrix Spikes:**

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

**Additional Comments:**

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## PROJECT NARRATIVE

Project: 34283.000 NPI

Pace Project No.: 40267421

---

**Method:** EPA 6010D

**Description:** 6010D MET ICP, Dissolved

**Client:** Gannett Fleming Inc.

**Date:** September 11, 2023

**General Information:**

7 samples were analyzed for EPA 6010D by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

**Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

**Initial Calibrations (including MS Tune as applicable):**

All criteria were within method requirements with any exceptions noted below.

**Continuing Calibration:**

All criteria were within method requirements with any exceptions noted below.

**Method Blank:**

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

**Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

**Matrix Spikes:**

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

**Additional Comments:**

## REPORT OF LABORATORY ANALYSIS

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## PROJECT NARRATIVE

Project: 34283.000 NPI

Pace Project No.: 40267421

---

**Method:** EPA 8260

**Description:** 8260 MSV

**Client:** Gannett Fleming Inc.

**Date:** September 11, 2023

### General Information:

19 samples were analyzed for EPA 8260 by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

### Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

### Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

### Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

### Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

### Surrogates:

All surrogates were within QC limits with any exceptions noted below.

### Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

### Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

### Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

### Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40267421

Sample: MW-34A Lab ID: 40267421001 Collected: 08/29/23 12:35 Received: 08/31/23 07:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010D MET ICP, Dissolved</b>									
Analytical Method: EPA 6010D Pace Analytical Services - Green Bay									
Cadmium, Dissolved	3.5J	ug/L	5.0	1.3	1		09/07/23 16:12	7440-43-9	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40267421

Sample: MW-34B Lab ID: 40267421002 Collected: 08/29/23 12:30 Received: 08/31/23 07:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010D MET ICP, Dissolved</b>									
Analytical Method: EPA 6010D Pace Analytical Services - Green Bay									
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1		09/07/23 16:14	7440-43-9	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40267421

Sample: MW-68A Lab ID: 40267421003 Collected: 08/29/23 13:55 Received: 08/31/23 07:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		09/05/23 18:10	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		09/05/23 18:10	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		09/05/23 18:10	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		09/05/23 18:10	127-18-4	
Trichloroethene	0.50J	ug/L	1.0	0.32	1		09/05/23 18:10	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	92	%	70-130		1		09/05/23 18:10	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		09/05/23 18:10	2199-69-1	
Toluene-d8 (S)	97	%	70-130		1		09/05/23 18:10	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40267421

Sample: MW-68B Lab ID: 40267421004 Collected: 08/29/23 13:50 Received: 08/31/23 07:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010D MET ICP, Dissolved</b>									
Analytical Method: EPA 6010D Pace Analytical Services - Green Bay									
Cadmium, Dissolved	1.9J	ug/L	5.0	1.3	1		09/07/23 16:16	7440-43-9	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40267421

Sample: MW-70A Lab ID: 40267421005 Collected: 08/29/23 12:50 Received: 08/31/23 07:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		09/05/23 18:27	71-55-6	
1,1-Dichloroethane	0.36J	ug/L	1.0	0.30	1		09/05/23 18:27	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		09/05/23 18:27	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		09/05/23 18:27	127-18-4	
Trichloroethene	0.35J	ug/L	1.0	0.32	1		09/05/23 18:27	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	93	%	70-130		1		09/05/23 18:27	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		09/05/23 18:27	2199-69-1	
Toluene-d8 (S)	96	%	70-130		1		09/05/23 18:27	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40267421

**Sample: MH-18**      **Lab ID: 40267421006**      Collected: 08/29/23 11:15      Received: 08/31/23 07:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010D MET ICP</b>									
Analytical Method: EPA 6010D    Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Cadmium	<1.3	ug/L	5.0	1.3	1	09/06/23 06:47	09/07/23 12:35	7440-43-9	
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	2.2	ug/L	1.0	0.30	1		09/05/23 18:44	71-55-6	
1,1-Dichloroethane	1.4	ug/L	1.0	0.30	1		09/05/23 18:44	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		09/05/23 18:44	75-35-4	
Tetrachloroethene	0.72J	ug/L	1.0	0.41	1		09/05/23 18:44	127-18-4	
Trichloroethene	2.0	ug/L	1.0	0.32	1		09/05/23 18:44	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	91	%	70-130		1		09/05/23 18:44	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		09/05/23 18:44	2199-69-1	
Toluene-d8 (S)	96	%	70-130		1		09/05/23 18:44	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40267421

Sample: **EW-6** Lab ID: **40267421007** Collected: 08/29/23 10:50 Received: 08/31/23 07:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<b>3.2</b>	ug/L	1.0	0.30	1		09/05/23 14:25	71-55-6	
1,1-Dichloroethane	<b>1.8</b>	ug/L	1.0	0.30	1		09/05/23 14:25	75-34-3	
1,1-Dichloroethene	<b>&lt;0.58</b>	ug/L	1.0	0.58	1		09/05/23 14:25	75-35-4	
Tetrachloroethene	<b>1.1</b>	ug/L	1.0	0.41	1		09/05/23 14:25	127-18-4	
Trichloroethene	<b>2.6</b>	ug/L	1.0	0.32	1		09/05/23 14:25	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	92	%	70-130		1		09/05/23 14:25	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		09/05/23 14:25	2199-69-1	
Toluene-d8 (S)	96	%	70-130		1		09/05/23 14:25	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40267421

Sample: **EW-6 DUP** Lab ID: **40267421008** Collected: 08/29/23 10:50 Received: 08/31/23 07:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	3.4	ug/L	1.0	0.30	1		09/05/23 19:02	71-55-6	
1,1-Dichloroethane	1.8	ug/L	1.0	0.30	1		09/05/23 19:02	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		09/05/23 19:02	75-35-4	
Tetrachloroethene	1.1	ug/L	1.0	0.41	1		09/05/23 19:02	127-18-4	
Trichloroethene	2.5	ug/L	1.0	0.32	1		09/05/23 19:02	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	90	%	70-130		1		09/05/23 19:02	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		09/05/23 19:02	2199-69-1	
Toluene-d8 (S)	97	%	70-130		1		09/05/23 19:02	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40267421

Sample: MW-10A Lab ID: 40267421009 Collected: 08/29/23 14:30 Received: 08/31/23 07:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010D MET ICP, Dissolved</b>									
Analytical Method: EPA 6010D Pace Analytical Services - Green Bay									
Cadmium, Dissolved	11.9	ug/L	5.0	1.3	1		09/07/23 16:18	7440-43-9	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40267421

Sample: MW-10B Lab ID: 40267421010 Collected: 08/29/23 14:45 Received: 08/31/23 07:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010D MET ICP, Dissolved</b>									
Analytical Method: EPA 6010D Pace Analytical Services - Green Bay									
Cadmium, Dissolved	6.0	ug/L	5.0	1.3	1		09/07/23 16:20	7440-43-9	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40267421

Sample: MW-4A Lab ID: 40267421011 Collected: 08/29/23 13:10 Received: 08/31/23 07:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		09/05/23 19:19	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		09/05/23 19:19	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		09/05/23 19:19	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		09/05/23 19:19	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		09/05/23 19:19	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	92	%	70-130		1		09/05/23 19:19	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		09/05/23 19:19	2199-69-1	
Toluene-d8 (S)	95	%	70-130		1		09/05/23 19:19	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40267421

Sample: MW-4B Lab ID: 40267421012 Collected: 08/29/23 13:15 Received: 08/31/23 07:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		09/05/23 19:36	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		09/05/23 19:36	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		09/05/23 19:36	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		09/05/23 19:36	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		09/05/23 19:36	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	92	%	70-130		1		09/05/23 19:36	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		09/05/23 19:36	2199-69-1	
Toluene-d8 (S)	96	%	70-130		1		09/05/23 19:36	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40267421

Sample: MW-77A Lab ID: 40267421013 Collected: 08/29/23 13:25 Received: 08/31/23 07:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		09/07/23 19:29	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		09/07/23 19:29	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		09/07/23 19:29	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		09/07/23 19:29	127-18-4	
Trichloroethene	0.63J	ug/L	1.0	0.32	1		09/07/23 19:29	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	100	%	70-130		1		09/07/23 19:29	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		09/07/23 19:29	2199-69-1	
Toluene-d8 (S)	106	%	70-130		1		09/07/23 19:29	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40267421

Sample: MW-77B Lab ID: 40267421014 Collected: 08/29/23 13:30 Received: 08/31/23 07:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		09/07/23 19:49	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		09/07/23 19:49	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		09/07/23 19:49	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		09/07/23 19:49	127-18-4	
Trichloroethene	1.5	ug/L	1.0	0.32	1		09/07/23 19:49	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	102	%	70-130		1		09/07/23 19:49	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		09/07/23 19:49	2199-69-1	
Toluene-d8 (S)	106	%	70-130		1		09/07/23 19:49	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40267421

Sample: MW-77C Lab ID: 40267421015 Collected: 08/29/23 13:35 Received: 08/31/23 07:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		09/07/23 20:08	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		09/07/23 20:08	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		09/07/23 20:08	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		09/07/23 20:08	127-18-4	
Trichloroethene	0.45J	ug/L	1.0	0.32	1		09/07/23 20:08	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	102	%	70-130		1		09/07/23 20:08	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		09/07/23 20:08	2199-69-1	
Toluene-d8 (S)	105	%	70-130		1		09/07/23 20:08	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40267421

Sample: MW-76A Lab ID: 40267421016 Collected: 08/29/23 10:55 Received: 08/31/23 07:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	9.1	ug/L	1.0	0.30	1		09/07/23 20:28	71-55-6	
1,1-Dichloroethane	1.4	ug/L	1.0	0.30	1		09/07/23 20:28	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		09/07/23 20:28	75-35-4	
Tetrachloroethene	0.80J	ug/L	1.0	0.41	1		09/07/23 20:28	127-18-4	
Trichloroethene	1.2	ug/L	1.0	0.32	1		09/07/23 20:28	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99	%	70-130		1		09/07/23 20:28	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		1		09/07/23 20:28	2199-69-1	
Toluene-d8 (S)	106	%	70-130		1		09/07/23 20:28	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40267421

Sample: MW-76A DUP Lab ID: 40267421017 Collected: 08/29/23 10:55 Received: 08/31/23 07:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	9.1	ug/L	1.0	0.30	1		09/05/23 17:18	71-55-6	
1,1-Dichloroethane	1.3	ug/L	1.0	0.30	1		09/05/23 17:18	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		09/05/23 17:18	75-35-4	
Tetrachloroethene	0.79J	ug/L	1.0	0.41	1		09/05/23 17:18	127-18-4	
Trichloroethene	1.2	ug/L	1.0	0.32	1		09/05/23 17:18	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99	%	70-130		1		09/05/23 17:18	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		09/05/23 17:18	2199-69-1	
Toluene-d8 (S)	105	%	70-130		1		09/05/23 17:18	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40267421

Sample: MW-76B Lab ID: 40267421018 Collected: 08/29/23 10:45 Received: 08/31/23 07:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		09/05/23 16:00	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		09/05/23 16:00	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		09/05/23 16:00	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		09/05/23 16:00	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		09/05/23 16:00	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	102	%	70-130		1		09/05/23 16:00	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		09/05/23 16:00	2199-69-1	
Toluene-d8 (S)	106	%	70-130		1		09/05/23 16:00	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40267421

Sample: MW-75 Lab ID: 40267421019 Collected: 08/29/23 12:20 Received: 08/31/23 07:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010D MET ICP, Dissolved</b>									
Analytical Method: EPA 6010D Pace Analytical Services - Green Bay									
Cadmium, Dissolved	1.7J	ug/L	5.0	1.3	1		09/07/23 16:26	7440-43-9	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40267421

Sample: MW-70B Lab ID: 40267421020 Collected: 08/29/23 12:55 Received: 08/31/23 07:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010D MET ICP, Dissolved</b>									
Analytical Method: EPA 6010D Pace Analytical Services - Green Bay									
Cadmium, Dissolved	3.8J	ug/L	5.0	1.3	1		09/07/23 16:28	7440-43-9	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40267421

Sample: **EW-6-24** Lab ID: **40267421021** Collected: 08/30/23 09:15 Received: 08/31/23 07:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	4.6	ug/L	1.0	0.30	1		09/05/23 17:38	71-55-6	
1,1-Dichloroethane	1.0	ug/L	1.0	0.30	1		09/05/23 17:38	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		09/05/23 17:38	75-35-4	
Tetrachloroethene	0.69J	ug/L	1.0	0.41	1		09/05/23 17:38	127-18-4	
Trichloroethene	1.5	ug/L	1.0	0.32	1		09/05/23 17:38	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	101	%	70-130		1		09/05/23 17:38	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		09/05/23 17:38	2199-69-1	
Toluene-d8 (S)	108	%	70-130		1		09/05/23 17:38	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40267421

Sample: TRIP BLANK Lab ID: 40267421022 Collected: 08/29/23 00:00 Received: 08/31/23 07:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		09/05/23 14:23	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		09/05/23 14:23	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		09/05/23 14:23	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		09/05/23 14:23	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		09/05/23 14:23	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	103	%	70-130		1		09/05/23 14:23	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		09/05/23 14:23	2199-69-1	
Toluene-d8 (S)	105	%	70-130		1		09/05/23 14:23	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40267421

Sample: RW-2A Lab ID: 40267421023 Collected: 08/30/23 08:15 Received: 08/31/23 07:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	0.32J	ug/L	1.0	0.30	1		09/08/23 13:34	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		09/08/23 13:34	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		09/08/23 13:34	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		09/08/23 13:34	127-18-4	
Trichloroethene	2.2	ug/L	1.0	0.32	1		09/08/23 13:34	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	101	%	70-130		1		09/08/23 13:34	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		09/08/23 13:34	2199-69-1	
Toluene-d8 (S)	106	%	70-130		1		09/08/23 13:34	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40267421

Sample: RW-2B Lab ID: 40267421024 Collected: 08/30/23 08:10 Received: 08/31/23 07:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		09/08/23 13:53	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		09/08/23 13:53	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		09/08/23 13:53	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		09/08/23 13:53	127-18-4	
Trichloroethene	1.2	ug/L	1.0	0.32	1		09/08/23 13:53	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	100	%	70-130		1		09/08/23 13:53	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		09/08/23 13:53	2199-69-1	
Toluene-d8 (S)	104	%	70-130		1		09/08/23 13:53	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40267421

Sample: RW-2C Lab ID: 40267421025 Collected: 08/30/23 08:20 Received: 08/31/23 07:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		09/08/23 12:36	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		09/08/23 12:36	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		09/08/23 12:36	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		09/08/23 12:36	127-18-4	
Trichloroethene	2.1	ug/L	1.0	0.32	1		09/08/23 12:36	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	102	%	70-130		1		09/08/23 12:36	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		09/08/23 12:36	2199-69-1	
Toluene-d8 (S)	105	%	70-130		1		09/08/23 12:36	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40267421

Sample: EC-1 Lab ID: 40267421026 Collected: 08/30/23 10:10 Received: 08/31/23 07:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		09/08/23 12:55	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		09/08/23 12:55	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		09/08/23 12:55	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		09/08/23 12:55	127-18-4	
Trichloroethene	0.62J	ug/L	1.0	0.32	1		09/08/23 12:55	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	101	%	70-130		1		09/08/23 12:55	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		09/08/23 12:55	2199-69-1	
Toluene-d8 (S)	105	%	70-130		1		09/08/23 12:55	2037-26-5	

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**QUALITY CONTROL DATA**

Project: 34283.000 NPI

Pace Project No.: 40267421

QC Batch:	454195	Analysis Method:	EPA 6010D
QC Batch Method:	EPA 6010D	Analysis Description:	ICP Metals, Trace, Dissolved
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40267421001, 40267421002, 40267421004, 40267421009, 40267421010, 40267421019, 40267421020

METHOD BLANK: 2608408 Matrix: Water

Associated Lab Samples: 40267421001, 40267421002, 40267421004, 40267421009, 40267421010, 40267421019, 40267421020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cadmium, Dissolved	ug/L	<1.3	5.0	09/07/23 15:40	

LABORATORY CONTROL SAMPLE: 2608409

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cadmium, Dissolved	ug/L	250	261	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2608410 2608411

Parameter	Units	2608410		2608411		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40267312001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Cadmium, Dissolved	ug/L	<1.3	250	250	249	250	99	100	75-125	1	20

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**QUALITY CONTROL DATA**

Project: 34283.000 NPI

Pace Project No.: 40267421

QC Batch: 454014

Analysis Method: EPA 6010D

QC Batch Method: EPA 3010A

Analysis Description: 6010D MET

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40267421006

METHOD BLANK: 2607506

Matrix: Water

Associated Lab Samples: 40267421006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cadmium	ug/L	<1.3	5.0	09/07/23 12:24	

LABORATORY CONTROL SAMPLE: 2607507

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cadmium	ug/L	250	250	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2607508 2607509

Parameter	Units	2607508		2607509		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40267459002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Cadmium	ug/L	<26.6	250	250	242	250	97	100	75-125	3	20

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**QUALITY CONTROL DATA**

Project: 34283.000 NPI

Pace Project No.: 40267421

QC Batch:	453914	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40267421003, 40267421005, 40267421006, 40267421007, 40267421008, 40267421011, 40267421012

METHOD BLANK: 2607285 Matrix: Water

Associated Lab Samples: 40267421003, 40267421005, 40267421006, 40267421007, 40267421008, 40267421011, 40267421012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.30	1.0	09/05/23 12:07	
1,1-Dichloroethane	ug/L	<0.30	1.0	09/05/23 12:07	
1,1-Dichloroethene	ug/L	<0.58	1.0	09/05/23 12:07	
Tetrachloroethene	ug/L	<0.41	1.0	09/05/23 12:07	
Trichloroethene	ug/L	<0.32	1.0	09/05/23 12:07	
1,2-Dichlorobenzene-d4 (S)	%	100	70-130	09/05/23 12:07	
4-Bromofluorobenzene (S)	%	92	70-130	09/05/23 12:07	
Toluene-d8 (S)	%	96	70-130	09/05/23 12:07	

LABORATORY CONTROL SAMPLE: 2607286

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	50.5	101	70-132	
1,1-Dichloroethane	ug/L	50	51.5	103	70-130	
1,1-Dichloroethene	ug/L	50	49.3	99	73-140	
Tetrachloroethene	ug/L	50	51.6	103	70-130	
Trichloroethene	ug/L	50	51.9	104	70-130	
1,2-Dichlorobenzene-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			95	70-130	
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2607287 2607288

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40267421007 Result	Spike Conc.	Spike Conc.	MS Result						
1,1,1-Trichloroethane	ug/L	3.2	50	50	58.0	54.2	110	102	70-132	7	20
1,1-Dichloroethane	ug/L	1.8	50	50	55.5	52.4	107	101	70-131	6	20
1,1-Dichloroethene	ug/L	<0.58	50	50	51.8	48.3	104	97	69-146	7	20
Tetrachloroethene	ug/L	1.1	50	50	54.7	54.4	107	107	70-131	1	20
Trichloroethene	ug/L	2.6	50	50	57.5	53.8	110	102	70-130	7	20
1,2-Dichlorobenzene-d4 (S)	%						98	98	70-130		
4-Bromofluorobenzene (S)	%						93	93	70-130		
Toluene-d8 (S)	%						97	96	70-130		

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**QUALITY CONTROL DATA**

Project: 34283.000 NPI

Pace Project No.: 40267421

QC Batch:	453916	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40267421017, 40267421018, 40267421021, 40267421022

METHOD BLANK: 2607295 Matrix: Water

Associated Lab Samples: 40267421017, 40267421018, 40267421021, 40267421022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.30	1.0	09/05/23 12:45	
1,1-Dichloroethane	ug/L	<0.30	1.0	09/05/23 12:45	
1,1-Dichloroethene	ug/L	<0.58	1.0	09/05/23 12:45	
Tetrachloroethene	ug/L	<0.41	1.0	09/05/23 12:45	
Trichloroethene	ug/L	<0.32	1.0	09/05/23 12:45	
1,2-Dichlorobenzene-d4 (S)	%	101	70-130	09/05/23 12:45	
4-Bromofluorobenzene (S)	%	105	70-130	09/05/23 12:45	
Toluene-d8 (S)	%	104	70-130	09/05/23 12:45	

LABORATORY CONTROL SAMPLE: 2607296

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	55.6	111	70-132	
1,1-Dichloroethane	ug/L	50	54.5	109	70-130	
1,1-Dichloroethene	ug/L	50	47.1	94	73-140	
Tetrachloroethene	ug/L	50	53.3	107	70-130	
Trichloroethene	ug/L	50	51.8	104	70-130	
1,2-Dichlorobenzene-d4 (S)	%			98	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			104	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2607404 2607405

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40267421018 Result	Spike Conc.	Spike Conc.	MS Result						
1,1,1-Trichloroethane	ug/L	<0.30	50	50	53.7	55.9	107	112	70-132	4	20
1,1-Dichloroethane	ug/L	<0.30	50	50	52.8	55.4	106	111	70-131	5	20
1,1-Dichloroethene	ug/L	<0.58	50	50	45.9	48.1	92	96	69-146	5	20
Tetrachloroethene	ug/L	<0.41	50	50	53.1	55.0	106	110	70-131	3	20
Trichloroethene	ug/L	<0.32	50	50	51.1	52.6	102	105	70-130	3	20
1,2-Dichlorobenzene-d4 (S)	%						97	99	70-130		
4-Bromofluorobenzene (S)	%						100	101	70-130		
Toluene-d8 (S)	%						106	105	70-130		

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**QUALITY CONTROL DATA**

Project: 34283.000 NPI

Pace Project No.: 40267421

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QC Batch:	454140	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40267421013, 40267421014, 40267421015, 40267421016

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METHOD BLANK: 2608080 Matrix: Water  
 Associated Lab Samples: 40267421013, 40267421014, 40267421015, 40267421016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.30	1.0	09/07/23 12:21	
1,1-Dichloroethane	ug/L	<0.30	1.0	09/07/23 12:21	
1,1-Dichloroethene	ug/L	<0.58	1.0	09/07/23 12:21	
Tetrachloroethene	ug/L	<0.41	1.0	09/07/23 12:21	
Trichloroethene	ug/L	<0.32	1.0	09/07/23 12:21	
1,2-Dichlorobenzene-d4 (S)	%	103	70-130	09/07/23 12:21	
4-Bromofluorobenzene (S)	%	105	70-130	09/07/23 12:21	
Toluene-d8 (S)	%	106	70-130	09/07/23 12:21	

LABORATORY CONTROL SAMPLE: 2608081

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	53.0	106	70-132	
1,1-Dichloroethane	ug/L	50	52.3	105	70-130	
1,1-Dichloroethene	ug/L	50	44.0	88	73-140	
Tetrachloroethene	ug/L	50	51.5	103	70-130	
Trichloroethene	ug/L	50	49.9	100	70-130	
1,2-Dichlorobenzene-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			102	70-130	
Toluene-d8 (S)	%			103	70-130	

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**QUALITY CONTROL DATA**

Project: 34283.000 NPI

Pace Project No.: 40267421

QC Batch:	454265	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40267421023, 40267421024, 40267421025, 40267421026

METHOD BLANK: 2608644 Matrix: Water  
 Associated Lab Samples: 40267421023, 40267421024, 40267421025, 40267421026

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.30	1.0	09/08/23 10:00	
1,1-Dichloroethane	ug/L	<0.30	1.0	09/08/23 10:00	
1,1-Dichloroethene	ug/L	<0.58	1.0	09/08/23 10:00	
Tetrachloroethene	ug/L	<0.41	1.0	09/08/23 10:00	
Trichloroethene	ug/L	<0.32	1.0	09/08/23 10:00	
1,2-Dichlorobenzene-d4 (S)	%	100	70-130	09/08/23 10:00	
4-Bromofluorobenzene (S)	%	102	70-130	09/08/23 10:00	
Toluene-d8 (S)	%	105	70-130	09/08/23 10:00	

LABORATORY CONTROL SAMPLE: 2608645

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	50.5	101	70-132	
1,1-Dichloroethane	ug/L	50	51.0	102	70-130	
1,1-Dichloroethene	ug/L	50	42.5	85	73-140	
Tetrachloroethene	ug/L	50	51.6	103	70-130	
Trichloroethene	ug/L	50	49.3	99	70-130	
1,2-Dichlorobenzene-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			102	70-130	
Toluene-d8 (S)	%			104	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2608823 2608824

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40267421025 Result	Spike Conc.	Spike Conc.	MS Result						
1,1,1-Trichloroethane	ug/L	<0.30	50	50	53.5	54.1	107	108	70-132	1	20
1,1-Dichloroethane	ug/L	<0.30	50	50	52.5	53.8	105	108	70-131	2	20
1,1-Dichloroethene	ug/L	<0.58	50	50	44.3	44.9	89	90	69-146	1	20
Tetrachloroethene	ug/L	<0.41	50	50	53.2	54.1	106	108	70-131	2	20
Trichloroethene	ug/L	2.1	50	50	52.9	54.5	102	105	70-130	3	20
1,2-Dichlorobenzene-d4 (S)	%						99	96	70-130		
4-Bromofluorobenzene (S)	%						100	99	70-130		
Toluene-d8 (S)	%						103	106	70-130		

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## QUALIFIERS

Project: 34283.000 NPI

Pace Project No.: 40267421

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

DL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

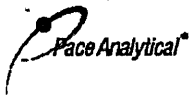
Project: 34283.000 NPI

Pace Project No.: 40267421

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40267421006	MH-18	EPA 3010A	454014	EPA 6010D	454093
40267421001	MW-34A	EPA 6010D	454195		
40267421002	MW-34B	EPA 6010D	454195		
40267421004	MW-68B	EPA 6010D	454195		
40267421009	MW-10A	EPA 6010D	454195		
40267421010	MW-10B	EPA 6010D	454195		
40267421019	MW-75	EPA 6010D	454195		
40267421020	MW-70B	EPA 6010D	454195		
40267421003	MW-68A	EPA 8260	453914		
40267421005	MW-70A	EPA 8260	453914		
40267421006	MH-18	EPA 8260	453914		
40267421007	EW-6	EPA 8260	453914		
40267421008	EW-6 DUP	EPA 8260	453914		
40267421011	MW-4A	EPA 8260	453914		
40267421012	MW-4B	EPA 8260	453914		
40267421013	MW-77A	EPA 8260	454140		
40267421014	MW-77B	EPA 8260	454140		
40267421015	MW-77C	EPA 8260	454140		
40267421016	MW-76A	EPA 8260	454140		
40267421017	MW-76A DUP	EPA 8260	453916		
40267421018	MW-76B	EPA 8260	453916		
40267421021	EW-6-24	EPA 8260	453916		
40267421022	TRIP BLANK	EPA 8260	453916		
40267421023	RW-2A	EPA 8260	454265		
40267421024	RW-2B	EPA 8260	454265		
40267421025	RW-2C	EPA 8260	454265		
40267421026	EC-1	EPA 8260	454265		

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, LLC.



# CHAIN-OF-CUSTODY Analytical Request Document

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <https://info.pacelabs.com/hubs/pas-standard-terms.pdf>  
Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

40267421

**ALL BOLD OUTLINED AREAS are for LAB USE ONLY**

Company: Gannett Fleming, Inc.		Billing Information: Derrick Paul	
Address: 8040 Excelsior Dr, Suite 303 Madison, WI 53717		National Presto Industries (NPI) 3925 N Hastings Way, Eau Claire, WI 54703	
Report To: Cliff Wright		Email To: dpaul@gopresto.com	
Copy To:		Site Collection Info/Address: Same as Billing Info address above	
Customer Project Name/Number: NPI/34283.000		State: County/City: Time Zone Collected: WI / [ ]PT [ ]MT [x]CT [ ]ET	

Container Preservative Type **										Lab Project Manager:	
3	1	1									
** Preservative Types (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____											

Phone: 608/695-3651	Site/Facility ID #: 609038320	Compliance Monitoring? <input checked="" type="checkbox"/> Yes [ ] No
Email: cwright@gfnet.com	Purchase Order #: Quote #: Pace 2023	DW PWS ID #: DW Location Code:
Collected By (print): Chelsea Payne	Turnaround Date Required: Standard	Immediately Packed on Ice: <input checked="" type="checkbox"/> Yes [ ] No
Collected By (signature): <i>Chelsea Payne</i>	Rush: (Expedite Charges Apply) [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day	Field Filtered (if applicable): [x] Yes [ ] No
Sample Disposal: [x] Dispose as appropriate [ ] Return [ ] Archive [ ] Hold		Analysis: Dissolved Cd

Analyses										Lab Profile/Line:	
Container Type: Plastic (P) or Glass (G)	NPI Short-list VOCs	Dissolved cadmium (Cd)	Total recoverable Cd							Lab Sample Received Checklist:	
										Cust. Co. Seal Present Y N NA	
										Cust. Co. Signature Present Y N NA	
										Collection Signature Present Y N NA	
										Bottle Intact Y N NA	
										Cooler Bottles Y N NA	
										Sufficient Volume Y N NA	
										Samples Received on Ice Y N NA	
										VOA - Headspace Acceptable Y N NA	
										USDA Regulated Soils Y N NA	
						Samples in Holding Time Y N NA					
						Residual Chlorine Present Y N NA					
						Cl Strips: _____					
						Sample pH Acceptable Y N NA					
						pH Strips: _____					
						Sulfide Present Y N NA					
						Lead Acetate Strips: _____					

\* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns
			Date	Time	Date	Time		
MW-34A	GW	Grab	8/21/23	12:35				
MW-34B				12:30				
MW-68A				13:55				
MW-68B				13:50				
MW-70A				12:50				
<del>MW-77B dup</del>				11:15				
EW-6				10:50				
EW-6 dup	↓	↓	↓	10:50				
MW-10A				14:30				
MW-10B				14:45				

LAB USE ONLY: Lab Sample # / Comments:											
001											
002											
003											
004											
005											
006											
007											
008											
009											
010											

Customer Remarks / Special Conditions / Possible Hazards: Please send copy of Level IV data package to Mary Gannon for validation and perform MS/MSD on VOC sample sets with six sample vials, if any, and/or as noted above.	Type of Ice Used: Wet Blue Dry None	SHORT HOLDS PRESENT (<72 hours): Y N N/A
	Packing Material Used:	Lab Tracking #:
	Radchem sample(s) screened (<500 cpm): Y N NA	Samples received via: FEDEX UPS Client Courier Pace Courier

LAB Sample Temperature Info: Temp Blank Received: Y N NA Therm ID#: _____ Cooler Temp Upon Receipt: ____°C Cooler Therm Corr Factor: ____°C Cooler Corrected Temp: ____°C Comments:	
---	--

Relinquished by/Company: (Signature) <i>Chelsea Payne/GF</i>	Date/Time: 8/30/23 13:00	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature) <i>Fed G</i>	Date/Time: 08/31/23 0745	Received by/Company: (Signature) <i>Susan K...</i>	Date/Time: 08/31/23 0745
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY	
Table #:	Trip Blank Received: Y N NA
Accnum:	HCL MeOH TSP Other
Template:	
Prelogin:	
PM:	Non Conformance(s): Page: 2
PB:	YES / NO Page 24 of 49

MH-18

MS/MSD



### CHAIN-OF-CUSTODY Analytical Request Document

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <https://info.pacelabs.com/hubfs/pas-standard-terms.pdf>  
Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

40267421

**ALL BOLD OUTLINED AREAS are for LAB USE ONLY**

Company: Gannett Fleming, Inc. Billing Information: Derrick Paul  
 Address: National Presto Industries (NPI)  
 8040 Excelsior Dr., Suite 303 Madison, WI 53717 3925 N Hastings Way, Eau Claire, WI 54703  
 Report To: Cliff Wright Email To: dpaul@gopresto.com  
 Copy To: Site Collection Info/Address: Same as Billing Info address above  
 Customer Project Name/Number: NPI/34283 000 State: County/City: Time Zone Collected:  
 WI / [ ]PT [ ]MT [x]CT [ ]ET

Phone: 608/695-3651 Site/Facility ID #: 609038320 Compliance Monitoring?  
 Email: cwright@gfnet.com [X] Yes [ ] No  
 Collected By (print): Purchase Order #: DW PWS ID #:  
 Chelsea Payne Quote #: Pace 2023 DW Location Code:  
 Collected By (signature): Turnaround Date Required: Standard Immediately Packed on Ice:  
 Sample Disposal: Rush: (Expedite Charges Apply) Field Filtered (if applicable):  
 [x] Dispose as appropriate [ ] Same Day [ ] Next Day [x] Yes [ ] No  
 [ ] Return [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day  
 [ ] Archive: Analysis: Dissolved Cd  
 [ ] Hold:

\* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns
			Date	Time	Date	Time		
MW-4A	GW	Grab	8/21/23	13:10				
MW-4B				13:15				
MW-77A				13:25				
MW-77B				13:30				
MW-77C				13:35				
MW-76A				10:55				
MW-76A dup				"				
MW-76B				10:45				
MW-75				12:20				
MW-70B				12:55				

Container Preservative Type \*\*  
 3 1 1 1

Lab Project Manager:

\*\* Preservative Types. (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

Analyses

Lab Profile/Line:

NPI Short-list VOCs
Dissolved cadmium (Cd)
Total recoverable Cd

Lab Sample Receipt Checklist:  
 Custody Seals Present/Intact Y N NA  
 Custody Signatures Present Y N NA  
 Collector Signature Present Y N NA  
 Bottles Intact Y N NA  
 Correct Bottles Y N NA  
 Sufficient Volume Y N NA  
 Samples Received on Ice Y N NA  
 VOA - Headspace Acceptable Y N NA  
 USDA Regulated Solids Y N NA  
 Samples in Holding Time Y N NA  
 Residual Chlorine Present Y N NA  
 Cl Strips:  
 Sample pH Acceptable Y N NA  
 pH Strips:  
 Sulfide Present Y N NA  
 Lead Acetate Strips:

LAB USE ONLY:  
Lab Sample # / Comments:

011  
012  
013  
014  
015  
016  
017  
018  
019  
020

Customer Remarks / Special Conditions / Possible Hazards:  
 Please send copy of Level IV data package to Mary Gannon for validation and perform MS/MSD on VOC sample sets with six sample vials, if any, and/or as noted above.  
 Type of Ice Used: Wet Blue Dry None  
 Packing Material Used:  
 Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #:

Samples received via:  
 FEDEX UPS Client Courier Pace Courier

LAB Sample Temperature Info:  
 Temp Blank Received: Y N NA  
 Therm ID#:  
 Cooler 1 Temp Upon Receipt: °C  
 Cooler 1 Therm Corr Factor: °C  
 Cooler 1 Corrected Temp: °C  
 Comments:

Relinquished by/Company: (Signature)  
 Date/Time: 8/30/23 13:00  
 Relinquished by/Company: (Signature)  
 Date/Time: 08/31/23 0745  
 Relinquished by/Company: (Signature)

Received by/Company: (Signature)  
 Date/Time:  
 Received by/Company: (Signature)  
 Date/Time: 08/31/23  
 Received by/Company: (Signature)

MTJL LAB USE ONLY  
 Table #:  
 Acctnum:  
 Template:  
 Prelogin:  
 PM:  
 PB:

Trip Blank Received: Y N NA  
 HCL MeOH TSP Other  
 Non Conformance(s): YES / NO  
 Page: 1 of 49  
 Page 35 of 49

# CHAIN-OF-CUSTODY Analytical Request Document

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

40267421

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

ALL SHADED AREAS are for LAB USE ONLY

Company: **Gannett Fleming, Inc.** Billing Information: **NPI**

Address: **8040 Excelsior Dr. Ste 303 Madison, WI 53717** **3925 N. Hastings Eau Claire WI 54703**

Report To: **Chiff Wright** Email To: **dpaul@gopresto.com**

Copy To: Site Collection Info/Address: **See Billing Info**

Customer Project Name/Number: **NPI/34283.000** State: **WI** County/City: **Eau Claire** Time Zone Collected: **[ ] PT [ ] MTK [ ] CT [ ] ET**

Phone: **608/695-3651** Site/Facility ID #: Compliance Monitoring?  Yes  No

Email: **curwright@gannett.com** Purchase Order #: **PA66 2023** Quote #: **PA66 2023** DW PWS ID #: DW Location Code:

Collected By (print): **Chelsea Payne** Turnaround Date Required: **Std** Immediately Packed on Ice:  Yes  No

Collected By (signature): *[Signature]* Rush:  Same Day  Next Day  2 Day  3 Day  4 Day  5 Day (Expedite Charges Apply) Field Filtered (if applicable):  Yes  No

Sample Disposal:  Dispose as appropriate  Return  Archive  Hold Analysis: **NPI Short List VOCs**

\* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns
			Date	Time	Date	Time		
FIN-6-24	GW	Grab	8/24/23	9:15				3
Trip Blank			8/24/23					2
RW-2A			8/30/23	8:15				3
RW-2B				8:10				3
RW-2C				8:20				3
EC-1	↓	↓	↓	10:10				3

Container Preservative Type \*\* Lab Project Manager:

\*\* Preservative Types. (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

Analyses Lab Profile/Line:

Analyses	Lab Profile/Line:
	Lab Sample Receipt Checklist:
	Custody Seals Present <input checked="" type="checkbox"/> Y N NA
	Custody Signatures Present <input checked="" type="checkbox"/> Y N NA
	Collector Signature Present <input checked="" type="checkbox"/> Y N NA
	Bottles Intact <input checked="" type="checkbox"/> Y N NA
	Correct Bottles <input checked="" type="checkbox"/> Y N NA
	Sufficient Volume <input checked="" type="checkbox"/> Y N NA
	Samples Received on Ice <input checked="" type="checkbox"/> Y N NA
	VOA - Headspace Acceptable <input checked="" type="checkbox"/> Y N NA
	USDA Regulated Soils <input checked="" type="checkbox"/> Y N NA
	Samples in Holding Time <input checked="" type="checkbox"/> Y N NA
	Residual Chlorine Present <input checked="" type="checkbox"/> Y N NA
	Cl Strips: <input checked="" type="checkbox"/> Y N NA
	Sample pH Acceptable <input checked="" type="checkbox"/> Y N NA
	pH Strips: <input checked="" type="checkbox"/> Y N NA
	Sulfide Present <input checked="" type="checkbox"/> Y N NA
	Lead Acetate Strips: <input checked="" type="checkbox"/> Y N NA

LAB USE ONLY: Lab Sample # / Comments:

001 021  
002 022  
003 023  
004 024  
005 025  
000 026  
08/31/23

Customer Remarks / Special Conditions / Possible Hazards: **Please send a copy of a Level IV data package to Mary Gannon for validation and perform MS/MSD on VOC sample sets w/ 6 sample vials as noted.**

Type of Ice Used:  Wet  Blue  Dry  None Packing Material Used: Radchem sample(s) screened (<500 cpm):  Y  N  NA

SHORT HOLDS PRESENT (<72 hours):  Y  N  N/A

Lab Tracking #: **2909021** Samples received via:  FEDEX  UPS  Client  Courier  Pace Courier

Lab Sample Temperature Info: Temp Blank Received:  Y  N  NA Therm ID#: Cooler 1 Temp Upon Receipt:  oC Cooler 1 Therm Corr. Factor:  oC Cooler 1 Corrected Temp:  oC

Relinquished by/Company: (Signature) **Chelsea Payne / GF** Date/Time: **8/30/23 13:00** Received by/Company: (Signature) **Susan K. [Signature]** Date/Time: **08/31/23 0745**

Relinquished by/Company: (Signature) **John [Signature]** Date/Time: **08/31/23 0745** Received by/Company: (Signature) **Susan K. [Signature]** Date/Time: **08/31/23 0745**

Relinquished by/Company: (Signature) Date/Time: Received by/Company: (Signature) Date/Time:

MTJL LAB USE ONLY Table #: Acctnum: Template: Prelogin: PM: PB: Trip Blank Received:  Y  N  NA HCL MeOH TSP Other: Non Conformance(s):  YES /  NO Page **48** of **49** of: **3**

Effective Date: 8/16/2022

Client Name: Gannett Fleming Sample Preservation Receipt Form  
 Project # 40267421

All containers needing preservation have been checked and noted below:  
 Lab Lot# of pH paper: 10D2723 Lab Std #ID of preservation (if pH adjusted)

Initial when completed: RKW Date/Time:

Pace Lab #	Glass					Plastic					Vials					Jars				General		VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)										
	AG1U	BG1U	AG1H	AG4S	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	BP2Z	VG9C	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC	GN 1	GN 2											
001											/																											2.5 / 5
002											/																											2.5 / 5
003																		3																			2.5 / 5	
004											/																											2.5 / 5
005																																						2.5 / 5
006											/																											2.5 / 5
007																																						2.5 / 5
008																																						2.5 / 5
009											/																											2.5 / 5
010											/																											2.5 / 5
011																																						2.5 / 5
012																																						2.5 / 5
013																																						2.5 / 5
014																																						2.5 / 5
015																																						2.5 / 5
016																																						2.5 / 5
017																																						2.5 / 5
018																																						2.5 / 5
019											/																											2.5 / 5
020											/																											2.5 / 5

Exceptions to preservation check  VDA Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other. Headspace in VOA Vials (>6mm) .  Yes  No  N/A \*If yes look in headspace column

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	VG9C	40 mL clear ascorbic w/ HCl	JGFU	4 oz amber jar unpres
BG1U	1 liter clear glass	BP3U	250 mL plastic unpres	DG9T	40 mL amber Na Thio	JG9U	9 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP3B	250 mL plastic NaOH	VG9U	40 mL clear vial unpres	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9H	40 mL clear vial HCL	WPFU	4 oz plastic jar unpres
AG5U	100 mL amber glass unpres	BP3S	250 mL plastic H2SO4	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH + Zn	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres					GN 1	
						GN 2	

Client Name: Gannett Fleming Sample Preservation Receipt Form Project #: 40267421

Pace Lab #	Glass						Plastic						Vials				Jars				General		VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)					
	AG1U	BG1U	AG1H	AG4S	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	BP2Z	VG9C	DG9T	VG9U	VG9H	VG9M	VG9D	JG9U	JG9U	WG9U	WPFU	SP5T	ZPLC	GN 1	GN 2							
021																																		2.5 / 5
022																																		2.5 / 5
023																																		2.5 / 5
024																																		2.5 / 5
025																																		2.5 / 5
026																																		2.5 / 5
027																																		2.5 / 5
028																																		2.5 / 5
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041																																		2.5 / 5
042																																		2.5 / 5
043																																		2.5 / 5
044																																		2.5 / 5
045																																		2.5 / 5
046																																		2.5 / 5
047																																		2.5 / 5
048																																		2.5 / 5

08/31/23  
08/31/23  
08/31/23  
08/31/23

08/31/23  
08/31/23  
08/31/23

Sample Condition Upon Receipt Form (SCUR)

Client Name: Gannett Fleming  
 Courier:  CS Logistics  Fed Ex  Speedee  UPS  Waltco  
 Client  Pace Other: \_\_\_\_\_

Project #: \_\_\_\_\_

WO#: 40267421



Tracking #: 78 31 2966 4553

Custody Seal on Cooler/Box Present:  yes  no Seals intact:  yes  no

Custody Seal on Samples Present:  yes  no Seals intact:  yes  no

Packing Material:  Bubble Wrap  Bubble Bags  None  Other

Thermometer Used SR - 117 Type of Ice:  Blue  Dry  None  Meltwater Only

Cooler Temperature Uncorr: -0.5 / Corr: 0.0

Temp Blank Present:  yes  no

Biological Tissue is Frozen:  yes  no

Temp should be above freezing to 6°C.

Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Person examining contents:  
 Date: 08/31/23 / Initials: SKW  
 Labeled By Initials: MVA

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- DI VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
Correct Type: <u>Pace Green Bay, Pace IR, Non-Pace</u>		
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11. <u>08/31/23</u> <u>SKW</u>
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>W</u>		
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>506</u>		

Client Notification/ Resolution: \_\_\_\_\_ If checked, see attached form for additional comments

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: Client sent 1st Overnight and returned an empty cooler on our account. 08/31/23 SKW

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample log in



December 11, 2023

Project #34283.000 NPI  
Q4 Monitoring  
Reviewed by CCW  
12/11/2023

Clifford Wright  
Gannett Fleming  
8040 Excelsior Drive, Ste 303  
Madison, WI 53717

RE: Project: 34283.000 NPI  
Pace Project No.: 40271670

Dear Clifford Wright:

Enclosed are the analytical results for sample(s) received by the laboratory on December 02, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Dan Milewsky  
dan.milewsky@pacelabs.com  
(920)469-2436  
Project Manager

Enclosures

cc: Mary Gannon, MCW Scientific Solutions  
Marcus Mussey, Gannett Fleming Inc.



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: 34283.000 NPI

Pace Project No.: 40271670

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### **Pace Analytical Services Green Bay**

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

South Carolina Certification #: 83006001

Texas Certification #: T104704529-21-8

Virginia VELAP Certification ID: 11873

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-21-00008

Federal Fish & Wildlife Permit #: 51774A

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## REPORT OF LABORATORY ANALYSIS

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### SAMPLE SUMMARY

Project: 34283.000 NPI

Pace Project No.: 40271670

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40271670001	EW-6	Water	11/30/23 10:40	12/02/23 10:10
40271670002	EW-6 DUP	Water	11/30/23 10:45	12/02/23 10:10
40271670003	EW-6-22	Water	12/01/23 08:50	12/02/23 10:10
40271670004	MH-18	Water	11/30/23 11:00	12/02/23 10:10
40271670005	MW-4A	Water	11/30/23 13:50	12/02/23 10:10
40271670006	MW-4B	Water	11/30/23 13:55	12/02/23 10:10
40271670007	MW-10A	Water	11/30/23 13:05	12/02/23 10:10
40271670008	MW-34A	Water	11/30/23 13:35	12/02/23 10:10
40271670009	MW-70A	Water	11/30/23 13:20	12/02/23 10:10
40271670010	MW-76A	Water	11/30/23 14:35	12/02/23 10:10
40271670011	MW-76A DUP	Water	11/30/23 14:40	12/02/23 10:10
40271670012	MW-76B	Water	11/30/23 14:50	12/02/23 10:10
40271670013	MW-77A	Water	11/30/23 14:10	12/02/23 10:10
40271670014	MW-77B	Water	11/30/23 14:15	12/02/23 10:10
40271670015	MW-77C	Water	11/30/23 14:20	12/02/23 10:10
40271670016	RW-2A	Water	11/30/23 15:05	12/02/23 10:10
40271670017	RW-2B	Water	11/30/23 15:15	12/02/23 10:10
40271670018	RW-2C	Water	11/30/23 15:20	12/02/23 10:10
40271670019	TRIP BLANK	Water	12/01/23 10:15	12/02/23 10:10

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### SAMPLE ANALYTE COUNT

Project: 34283.000 NPI

Pace Project No.: 40271670

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40271670001	EW-6	EPA 8260	CXJ	8	PASI-G
40271670002	EW-6 DUP	EPA 8260	CXJ	8	PASI-G
40271670003	EW-6-22	EPA 8260	CXJ	8	PASI-G
40271670004	MH-18	EPA 8260	CXJ	8	PASI-G
40271670005	MW-4A	EPA 8260	CXJ	8	PASI-G
40271670006	MW-4B	EPA 8260	CXJ	8	PASI-G
40271670007	MW-10A	EPA 6010D	SIS	1	PASI-G
40271670008	MW-34A	EPA 8260	CXJ	8	PASI-G
40271670009	MW-70A	EPA 8260	CXJ	8	PASI-G
40271670010	MW-76A	EPA 8260	CXJ	8	PASI-G
40271670011	MW-76A DUP	EPA 8260	CXJ	8	PASI-G
40271670012	MW-76B	EPA 8260	CXJ	8	PASI-G
40271670013	MW-77A	EPA 8260	CXJ	8	PASI-G
40271670014	MW-77B	EPA 8260	CXJ	8	PASI-G
40271670015	MW-77C	EPA 8260	CXJ	8	PASI-G
40271670016	RW-2A	EPA 8260	CXJ	8	PASI-G
40271670017	RW-2B	EPA 8260	CXJ	8	PASI-G
40271670018	RW-2C	EPA 8260	CXJ	8	PASI-G
40271670019	TRIP BLANK	EPA 8260	CXJ	8	PASI-G

PASI-G = Pace Analytical Services - Green Bay

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## SUMMARY OF DETECTION

Project: 34283.000 NPI

Pace Project No.: 40271670

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>40271670001</b>	<b>EW-6</b>					
EPA 8260	1,1,1-Trichloroethane	6.2	ug/L	1.0	12/04/23 20:04	
EPA 8260	1,1-Dichloroethane	3.2	ug/L	1.0	12/04/23 20:04	
EPA 8260	Tetrachloroethene	0.90J	ug/L	1.0	12/04/23 20:04	
EPA 8260	Trichloroethene	2.6	ug/L	1.0	12/04/23 20:04	
<b>40271670002</b>	<b>EW-6 DUP</b>					
EPA 8260	1,1,1-Trichloroethane	6.8	ug/L	1.0	12/04/23 20:24	
EPA 8260	1,1-Dichloroethane	2.6	ug/L	1.0	12/04/23 20:24	
EPA 8260	Tetrachloroethene	1.2	ug/L	1.0	12/04/23 20:24	
EPA 8260	Trichloroethene	2.6	ug/L	1.0	12/04/23 20:24	
<b>40271670003</b>	<b>EW-6-22</b>					
EPA 8260	1,1,1-Trichloroethane	2.8	ug/L	1.0	12/04/23 19:45	
EPA 8260	1,1-Dichloroethane	1.3	ug/L	1.0	12/04/23 19:45	
EPA 8260	Trichloroethene	1.3	ug/L	1.0	12/04/23 19:45	
<b>40271670004</b>	<b>MH-18</b>					
EPA 8260	1,1,1-Trichloroethane	4.4	ug/L	1.0	12/04/23 20:44	
EPA 8260	1,1-Dichloroethane	2.0	ug/L	1.0	12/04/23 20:44	
EPA 8260	Tetrachloroethene	0.72J	ug/L	1.0	12/04/23 20:44	
EPA 8260	Trichloroethene	1.9	ug/L	1.0	12/04/23 20:44	
<b>40271670007</b>	<b>MW-10A</b>					
EPA 6010D	Cadmium, Dissolved	12.8	ug/L	5.0	12/05/23 18:26	
<b>40271670010</b>	<b>MW-76A</b>					
EPA 8260	1,1,1-Trichloroethane	13.1	ug/L	1.0	12/05/23 00:39	
EPA 8260	1,1-Dichloroethane	2.0	ug/L	1.0	12/05/23 00:39	
EPA 8260	Tetrachloroethene	0.56J	ug/L	1.0	12/05/23 00:39	
EPA 8260	Trichloroethene	1.8	ug/L	1.0	12/05/23 00:39	
<b>40271670011</b>	<b>MW-76A DUP</b>					
EPA 8260	1,1,1-Trichloroethane	12.3	ug/L	1.0	12/05/23 00:59	
EPA 8260	1,1-Dichloroethane	1.9	ug/L	1.0	12/05/23 00:59	
EPA 8260	Tetrachloroethene	0.47J	ug/L	1.0	12/05/23 00:59	
EPA 8260	Trichloroethene	1.7	ug/L	1.0	12/05/23 00:59	
<b>40271670013</b>	<b>MW-77A</b>					
EPA 8260	Trichloroethene	0.47J	ug/L	1.0	12/04/23 22:42	
<b>40271670014</b>	<b>MW-77B</b>					
EPA 8260	Trichloroethene	1.4	ug/L	1.0	12/05/23 00:00	
<b>40271670015</b>	<b>MW-77C</b>					
EPA 8260	Trichloroethene	0.58J	ug/L	1.0	12/05/23 00:20	
<b>40271670016</b>	<b>RW-2A</b>					
EPA 8260	Trichloroethene	1.0	ug/L	1.0	12/04/23 23:01	
<b>40271670017</b>	<b>RW-2B</b>					
EPA 8260	Trichloroethene	2.5	ug/L	1.0	12/04/23 23:21	

## REPORT OF LABORATORY ANALYSIS

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### SUMMARY OF DETECTION

Project: 34283.000 NPI

Pace Project No.: 40271670

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Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>40271670018</b>	<b>RW-2C</b>					
EPA 8260	Trichloroethene	2.1	ug/L	1.0	12/04/23 23:40	

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## PROJECT NARRATIVE

Project: 34283.000 NPI

Pace Project No.: 40271670

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**Method:** EPA 6010D

**Description:** 6010D MET ICP, Dissolved

**Client:** Gannett Fleming Inc.

**Date:** December 11, 2023

**General Information:**

1 sample was analyzed for EPA 6010D by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

**Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

**Initial Calibrations (including MS Tune as applicable):**

All criteria were within method requirements with any exceptions noted below.

**Continuing Calibration:**

All criteria were within method requirements with any exceptions noted below.

**Method Blank:**

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

**Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

**Matrix Spikes:**

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

**Additional Comments:**

## REPORT OF LABORATORY ANALYSIS

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## PROJECT NARRATIVE

Project: 34283.000 NPI

Pace Project No.: 40271670

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**Method:** EPA 8260

**Description:** 8260 MSV

**Client:** Gannett Fleming Inc.

**Date:** December 11, 2023

### General Information:

18 samples were analyzed for EPA 8260 by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

### Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

### Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

### Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

### Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

### Surrogates:

All surrogates were within QC limits with any exceptions noted below.

### Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

### Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

### Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

### Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40271670

Sample: **EW-6** Lab ID: **40271670001** Collected: 11/30/23 10:40 Received: 12/02/23 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<b>6.2</b>	ug/L	1.0	0.30	1		12/04/23 20:04	71-55-6	
1,1-Dichloroethane	<b>3.2</b>	ug/L	1.0	0.30	1		12/04/23 20:04	75-34-3	
1,1-Dichloroethene	<b>&lt;0.58</b>	ug/L	1.0	0.58	1		12/04/23 20:04	75-35-4	
Tetrachloroethene	<b>0.90J</b>	ug/L	1.0	0.41	1		12/04/23 20:04	127-18-4	
Trichloroethene	<b>2.6</b>	ug/L	1.0	0.32	1		12/04/23 20:04	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	106	%	70-130		1		12/04/23 20:04	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		12/04/23 20:04	2199-69-1	
Toluene-d8 (S)	87	%	70-130		1		12/04/23 20:04	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40271670

Sample: **EW-6 DUP** Lab ID: **40271670002** Collected: 11/30/23 10:45 Received: 12/02/23 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	6.8	ug/L	1.0	0.30	1		12/04/23 20:24	71-55-6	
1,1-Dichloroethane	2.6	ug/L	1.0	0.30	1		12/04/23 20:24	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		12/04/23 20:24	75-35-4	
Tetrachloroethene	1.2	ug/L	1.0	0.41	1		12/04/23 20:24	127-18-4	
Trichloroethene	2.6	ug/L	1.0	0.32	1		12/04/23 20:24	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	106	%	70-130		1		12/04/23 20:24	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		12/04/23 20:24	2199-69-1	
Toluene-d8 (S)	96	%	70-130		1		12/04/23 20:24	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40271670

Sample: **EW-6-22** Lab ID: **40271670003** Collected: 12/01/23 08:50 Received: 12/02/23 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<b>2.8</b>	ug/L	1.0	0.30	1		12/04/23 19:45	71-55-6	
1,1-Dichloroethane	<b>1.3</b>	ug/L	1.0	0.30	1		12/04/23 19:45	75-34-3	
1,1-Dichloroethene	<b>&lt;0.58</b>	ug/L	1.0	0.58	1		12/04/23 19:45	75-35-4	
Tetrachloroethene	<b>&lt;0.41</b>	ug/L	1.0	0.41	1		12/04/23 19:45	127-18-4	
Trichloroethene	<b>1.3</b>	ug/L	1.0	0.32	1		12/04/23 19:45	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	107	%	70-130		1		12/04/23 19:45	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		12/04/23 19:45	2199-69-1	
Toluene-d8 (S)	90	%	70-130		1		12/04/23 19:45	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40271670

Sample: MH-18 Lab ID: 40271670004 Collected: 11/30/23 11:00 Received: 12/02/23 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	4.4	ug/L	1.0	0.30	1		12/04/23 20:44	71-55-6	
1,1-Dichloroethane	2.0	ug/L	1.0	0.30	1		12/04/23 20:44	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		12/04/23 20:44	75-35-4	
Tetrachloroethene	0.72J	ug/L	1.0	0.41	1		12/04/23 20:44	127-18-4	
Trichloroethene	1.9	ug/L	1.0	0.32	1		12/04/23 20:44	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	106	%	70-130		1		12/04/23 20:44	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		12/04/23 20:44	2199-69-1	
Toluene-d8 (S)	98	%	70-130		1		12/04/23 20:44	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40271670

Sample: MW-4A Lab ID: 40271670005 Collected: 11/30/23 13:50 Received: 12/02/23 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		12/04/23 21:03	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		12/04/23 21:03	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		12/04/23 21:03	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		12/04/23 21:03	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		12/04/23 21:03	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	108	%	70-130		1		12/04/23 21:03	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		12/04/23 21:03	2199-69-1	
Toluene-d8 (S)	97	%	70-130		1		12/04/23 21:03	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40271670

Sample: MW-4B Lab ID: 40271670006 Collected: 11/30/23 13:55 Received: 12/02/23 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		12/04/23 21:23	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		12/04/23 21:23	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		12/04/23 21:23	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		12/04/23 21:23	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		12/04/23 21:23	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	110	%	70-130		1		12/04/23 21:23	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		12/04/23 21:23	2199-69-1	
Toluene-d8 (S)	98	%	70-130		1		12/04/23 21:23	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40271670

Sample: MW-10A Lab ID: 40271670007 Collected: 11/30/23 13:05 Received: 12/02/23 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010D MET ICP, Dissolved</b>									
Analytical Method: EPA 6010D Pace Analytical Services - Green Bay									
Cadmium, Dissolved	12.8	ug/L	5.0	1.3	1		12/05/23 18:26	7440-43-9	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40271670

Sample: MW-34A Lab ID: 40271670008 Collected: 11/30/23 13:35 Received: 12/02/23 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		12/04/23 21:43	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		12/04/23 21:43	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		12/04/23 21:43	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		12/04/23 21:43	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		12/04/23 21:43	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	107	%	70-130		1		12/04/23 21:43	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		12/04/23 21:43	2199-69-1	
Toluene-d8 (S)	99	%	70-130		1		12/04/23 21:43	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40271670

Sample: MW-70A Lab ID: 40271670009 Collected: 11/30/23 13:20 Received: 12/02/23 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		12/04/23 22:02	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		12/04/23 22:02	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		12/04/23 22:02	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		12/04/23 22:02	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		12/04/23 22:02	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	108	%	70-130		1		12/04/23 22:02	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		12/04/23 22:02	2199-69-1	
Toluene-d8 (S)	98	%	70-130		1		12/04/23 22:02	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40271670

Sample: MW-76A Lab ID: 40271670010 Collected: 11/30/23 14:35 Received: 12/02/23 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	13.1	ug/L	1.0	0.30	1		12/05/23 00:39	71-55-6	
1,1-Dichloroethane	2.0	ug/L	1.0	0.30	1		12/05/23 00:39	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		12/05/23 00:39	75-35-4	
Tetrachloroethene	0.56J	ug/L	1.0	0.41	1		12/05/23 00:39	127-18-4	
Trichloroethene	1.8	ug/L	1.0	0.32	1		12/05/23 00:39	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	106	%	70-130		1		12/05/23 00:39	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		12/05/23 00:39	2199-69-1	
Toluene-d8 (S)	98	%	70-130		1		12/05/23 00:39	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40271670

Sample: MW-76A DUP Lab ID: 40271670011 Collected: 11/30/23 14:40 Received: 12/02/23 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	12.3	ug/L	1.0	0.30	1		12/05/23 00:59	71-55-6	
1,1-Dichloroethane	1.9	ug/L	1.0	0.30	1		12/05/23 00:59	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		12/05/23 00:59	75-35-4	
Tetrachloroethene	0.47J	ug/L	1.0	0.41	1		12/05/23 00:59	127-18-4	
Trichloroethene	1.7	ug/L	1.0	0.32	1		12/05/23 00:59	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	107	%	70-130		1		12/05/23 00:59	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		12/05/23 00:59	2199-69-1	
Toluene-d8 (S)	97	%	70-130		1		12/05/23 00:59	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40271670

Sample: MW-76B Lab ID: 40271670012 Collected: 11/30/23 14:50 Received: 12/02/23 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		12/04/23 22:22	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		12/04/23 22:22	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		12/04/23 22:22	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		12/04/23 22:22	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		12/04/23 22:22	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	106	%	70-130		1		12/04/23 22:22	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		12/04/23 22:22	2199-69-1	
Toluene-d8 (S)	89	%	70-130		1		12/04/23 22:22	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40271670

Sample: MW-77A Lab ID: 40271670013 Collected: 11/30/23 14:10 Received: 12/02/23 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		12/04/23 22:42	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		12/04/23 22:42	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		12/04/23 22:42	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		12/04/23 22:42	127-18-4	
Trichloroethene	0.47J	ug/L	1.0	0.32	1		12/04/23 22:42	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	107	%	70-130		1		12/04/23 22:42	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		12/04/23 22:42	2199-69-1	
Toluene-d8 (S)	95	%	70-130		1		12/04/23 22:42	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40271670

Sample: MW-77B Lab ID: 40271670014 Collected: 11/30/23 14:15 Received: 12/02/23 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		12/05/23 00:00	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		12/05/23 00:00	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		12/05/23 00:00	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		12/05/23 00:00	127-18-4	
Trichloroethene	1.4	ug/L	1.0	0.32	1		12/05/23 00:00	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	110	%	70-130		1		12/05/23 00:00	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		12/05/23 00:00	2199-69-1	
Toluene-d8 (S)	97	%	70-130		1		12/05/23 00:00	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40271670

Sample: MW-77C Lab ID: 40271670015 Collected: 11/30/23 14:20 Received: 12/02/23 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		12/05/23 00:20	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		12/05/23 00:20	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		12/05/23 00:20	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		12/05/23 00:20	127-18-4	
Trichloroethene	0.58J	ug/L	1.0	0.32	1		12/05/23 00:20	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	106	%	70-130		1		12/05/23 00:20	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		12/05/23 00:20	2199-69-1	
Toluene-d8 (S)	96	%	70-130		1		12/05/23 00:20	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40271670

Sample: RW-2A Lab ID: 40271670016 Collected: 11/30/23 15:05 Received: 12/02/23 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		12/04/23 23:01	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		12/04/23 23:01	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		12/04/23 23:01	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		12/04/23 23:01	127-18-4	
Trichloroethene	1.0	ug/L	1.0	0.32	1		12/04/23 23:01	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	107	%	70-130		1		12/04/23 23:01	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		12/04/23 23:01	2199-69-1	
Toluene-d8 (S)	96	%	70-130		1		12/04/23 23:01	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40271670

Sample: RW-2B Lab ID: 40271670017 Collected: 11/30/23 15:15 Received: 12/02/23 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		12/04/23 23:21	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		12/04/23 23:21	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		12/04/23 23:21	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		12/04/23 23:21	127-18-4	
Trichloroethene	2.5	ug/L	1.0	0.32	1		12/04/23 23:21	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	109	%	70-130		1		12/04/23 23:21	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		12/04/23 23:21	2199-69-1	
Toluene-d8 (S)	98	%	70-130		1		12/04/23 23:21	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40271670

Sample: RW-2C Lab ID: 40271670018 Collected: 11/30/23 15:20 Received: 12/02/23 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		12/04/23 23:40	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		12/04/23 23:40	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		12/04/23 23:40	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		12/04/23 23:40	127-18-4	
Trichloroethene	2.1	ug/L	1.0	0.32	1		12/04/23 23:40	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	109	%	70-130		1		12/04/23 23:40	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		12/04/23 23:40	2199-69-1	
Toluene-d8 (S)	97	%	70-130		1		12/04/23 23:40	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40271670

Sample: TRIP BLANK Lab ID: 40271670019 Collected: 12/01/23 10:15 Received: 12/02/23 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		12/04/23 19:25	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		12/04/23 19:25	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		12/04/23 19:25	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		12/04/23 19:25	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		12/04/23 19:25	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	108	%	70-130		1		12/04/23 19:25	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		12/04/23 19:25	2199-69-1	
Toluene-d8 (S)	97	%	70-130		1		12/04/23 19:25	2037-26-5	

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**QUALITY CONTROL DATA**

Project: 34283.000 NPI

Pace Project No.: 40271670

QC Batch: 461939	Analysis Method: EPA 6010D
QC Batch Method: EPA 6010D	Analysis Description: ICP Metals, Trace, Dissolved
	Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40271670007

METHOD BLANK: 2651320 Matrix: Water

Associated Lab Samples: 40271670007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cadmium, Dissolved	ug/L	<1.3	5.0	12/05/23 17:36	

LABORATORY CONTROL SAMPLE: 2651321

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cadmium, Dissolved	ug/L	250	266	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2651322 2651323

Parameter	Units	2651322		2651323		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40271553001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Cadmium, Dissolved	ug/L	<1.3	250	250	254	255	102	102	75-125	0	20

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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**QUALITY CONTROL DATA**

Project: 34283.000 NPI

Pace Project No.: 40271670

QC Batch: 461844 Analysis Method: EPA 8260  
 QC Batch Method: EPA 8260 Analysis Description: 8260 MSV  
 Laboratory: Pace Analytical Services - Green Bay  
 Associated Lab Samples: 40271670001, 40271670002, 40271670003, 40271670004, 40271670005, 40271670006, 40271670008, 40271670009, 40271670010, 40271670011, 40271670012, 40271670013, 40271670014, 40271670015, 40271670016, 40271670017, 40271670018, 40271670019

METHOD BLANK: 2650970 Matrix: Water  
 Associated Lab Samples: 40271670001, 40271670002, 40271670003, 40271670004, 40271670005, 40271670006, 40271670008, 40271670009, 40271670010, 40271670011, 40271670012, 40271670013, 40271670014, 40271670015, 40271670016, 40271670017, 40271670018, 40271670019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.30	1.0	12/04/23 15:11	
1,1-Dichloroethane	ug/L	<0.30	1.0	12/04/23 15:11	
1,1-Dichloroethene	ug/L	<0.58	1.0	12/04/23 15:11	
Tetrachloroethene	ug/L	<0.41	1.0	12/04/23 15:11	
Trichloroethene	ug/L	<0.32	1.0	12/04/23 15:11	
1,2-Dichlorobenzene-d4 (S)	%	101	70-130	12/04/23 15:11	
4-Bromofluorobenzene (S)	%	104	70-130	12/04/23 15:11	
Toluene-d8 (S)	%	97	70-130	12/04/23 15:11	

LABORATORY CONTROL SAMPLE: 2650971

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	51.6	103	70-132	
1,1-Dichloroethane	ug/L	50	55.1	110	70-130	
1,1-Dichloroethene	ug/L	50	50.4	101	73-140	
Tetrachloroethene	ug/L	50	46.5	93	70-130	
Trichloroethene	ug/L	50	56.1	112	70-130	
1,2-Dichlorobenzene-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			107	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2650972 2650973

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40271670003 Result	Spike Conc.	Spike Conc.	MS Result						
1,1,1-Trichloroethane	ug/L	2.8	50	50	54.9	59.1	104	113	70-132	7	20
1,1-Dichloroethane	ug/L	1.3	50	50	55.7	60.8	109	119	70-131	9	20
1,1-Dichloroethene	ug/L	<0.58	50	50	50.0	52.8	100	106	69-146	5	20
Tetrachloroethene	ug/L	<0.41	50	50	46.1	41.9	92	84	70-131	10	20
Trichloroethene	ug/L	1.3	50	50	54.0	54.6	105	107	70-130	1	20
1,2-Dichlorobenzene-d4 (S)	%						99	98	70-130		
4-Bromofluorobenzene (S)	%						105	105	70-130		
Toluene-d8 (S)	%						98	92	70-130		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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## QUALIFIERS

Project: 34283.000 NPI

Pace Project No.: 40271670

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - The reported result is an estimated value.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

DL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Analyte was not detected and is reported as less than the LOD or as defined by the customer.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 34283.000 NPI

Pace Project No.: 40271670

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40271670007	MW-10A	EPA 6010D	461939		
40271670001	EW-6	EPA 8260	461844		
40271670002	EW-6 DUP	EPA 8260	461844		
40271670003	EW-6-22	EPA 8260	461844		
40271670004	MH-18	EPA 8260	461844		
40271670005	MW-4A	EPA 8260	461844		
40271670006	MW-4B	EPA 8260	461844		
40271670008	MW-34A	EPA 8260	461844		
40271670009	MW-70A	EPA 8260	461844		
40271670010	MW-76A	EPA 8260	461844		
40271670011	MW-76A DUP	EPA 8260	461844		
40271670012	MW-76B	EPA 8260	461844		
40271670013	MW-77A	EPA 8260	461844		
40271670014	MW-77B	EPA 8260	461844		
40271670015	MW-77C	EPA 8260	461844		
40271670016	RW-2A	EPA 8260	461844		
40271670017	RW-2B	EPA 8260	461844		
40271670018	RW-2C	EPA 8260	461844		
40271670019	TRIP BLANK	EPA 8260	461844		

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## CHAIN-OF-CUSTODY Analytical Request Document

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Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

**LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or  
MTJL Log-in Number Here**

40271670

**ALL BOLD OUTLINED AREAS are for LAB USE ONLY**

Company: Gannett Fleming, Inc.		Billing Information: Derrick Paul National Presto Industries (NPI) 3925 N Hastings Way, Eau Claire, WI 54703	
Address: 8040 Excelsior Dr., Suite 303 Madison, WI 53717		Email To: dpaul@gopresto.com	
Report To: Cliff Wright		Site Collection Info/Address: Same as <i>Billing Info</i> address above	
Customer Project Name/Number: NPI/34283.000		State: County/City: Time Zone Collected: WI / Eau Claire [ ]PT [ ]MT [x]CT [ ]ET	

Container Preservative Type **						Lab Project Manager:
3	1					

\*\* Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

Phone: 608/695-3651 Email: cwright@gfnet.com	Site/Facility ID #: 609038320	Compliance Monitoring? [ ] Yes [ ] No	Container Type: Plastic (P) or Glass (G)  <b>NPI Short-list VOCs 8260</b>  <b>Dissolved cadmium (Cd)</b>
Collected By (print): Jordan Daly	Purchase Order #: Quote #: Pace 2023 for NPI	DW PWS ID #: DW Location Code:	
Collected By (signature): <i>Jordan Daly</i>	Turnaround Date Required: Standard	Immediately Packed on Ice: [ ] Yes [ ] No	
Sample Disposal: [x] Dispose as appropriate [ ] Return [ ] Archive: _____ [ ] Hold: _____	Rush: (Expedite Charges Apply) [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day	Field Filtered (if applicable): [x] Yes [ ] No  Analysis: Dissolved Cd	

\* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns
			Date	Time	Date	Time		
EW-6	GW	Grab	11/30	10:40	--	--	--	3
EW-6 OHP			11/30	10:45				3
EW-6-22			12/1	08:50				6
MH-18			11/30	11:00				3
MW-4A			11/30	13:50				3
MW-4B			11/30	13:55				3
MW-10A			11/30	13:05				1
MW-34A			11/30	13:35				3
MW-70A			11/30	13:20				3
MW-70A			11/30	14:35				3

Analyses						Lab Profile/Line:
						Lab Sample Receipt Checklist: Custody Seals Present/Intact Y N NA Custody Signatures Present Y N NA Collector Signature Present Y N NA Bottles Intact Y N NA Correct Bottles Y N NA Sufficient Volume Y N NA Samples Received on Ice Y N NA VOA - Headspace Acceptable Y N NA USDA Regulated Solids Y N NA Sample in Holding Time Y N NA Residual Chlorine Present Y N NA Cl Strips: _____ Sample pH Acceptable Y N NA pH Strips: _____ Sulfide Present Y N NA Lead Acetate Strips: _____
						LAB USE ONLY: Lab Sample # / Comments:
						001 002 003 004 005 006 007 008 009 010

Customer Remarks / Special Conditions / Possible Hazards:  
Please send copy of Level IV data package to Mary Gannon for validation and perform MS/MSD on VOC sample sets with six sample vials, if any, and/or as noted above.

Type of Ice Used: Wet Blue Dry None <input checked="" type="radio"/>	SHORT HOLDS PRESENT (<72 hours): Y N N/A
Packing Material Used: _____	Lab Tracking #: _____
Radchem sample(s) screened (<500 cpm): Y N NA	Samples received via: FEDEX UPS Client Courier Pace Courier

LAB Sample Temperature Info:  
Temp Blank Received: Y N NA  
Therm ID#: \_\_\_\_\_  
Cooler 1 Temp Upon Receipt: \_\_\_oC  
Cooler 1 Therm Corr. Factor: \_\_\_oC  
Cooler 1 Corrected Temp: \_\_\_oC  
Comments:

Relinquished by/Company: (Signature) <i>Jordan Daly / Gannett Fleming</i>	Date/Time: 12/1/23 / 11:00	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature) <i>Fedex</i>	Date/Time: 12/1/23 10:10	Received by/Company: (Signature) <i>Jordan</i>	Date/Time: 12/1/23 10:10
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

<b>MTJL LAB USE ONLY</b>	
Table #:	
Acctnum:	
Template:	
Prelogin:	
PM:	
PB:	
Trip Blank Received: Y N NA	HCL MeOH TSP Other
Non Conformance(s) Page <b>82</b> of 35	YES / NO of: _____



# CHAIN-OF-CUSTODY Analytical Request Document

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <https://info.pacelabs.com/hubs/pas-standard-terms.pdf>  
Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

40271670

**ALL BOLD OUTLINED AREAS are for LAB USE ONLY**

Company: Gannett Fleming, Inc. Billing Information: Derrick Paul  
National Presto Industries (NPI)  
Address: 3925 N Hastings Way, Eau Claire, WI 54703  
8040 Excelsior Dr., Suite 303 Madison, WI 53717  
Report To: Cliff Wright Email To: dpaul@gopresto.com

Copy To: Site Collection Info/Address: Same as Billing Info address above

Customer Project Name/Number: NPI/34283.000 State: County/City: Time Zone Collected:  
WI / Eau Claire [ ]PT [ ]MT [x]CT [ ]ET

Container Preservative Type \*\*  
3 1  
Lab Project Manager:  
\*\* Preservative Types. (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

Phone: 608/695-3651 Site/Facility ID #: 609038320 Compliance Monitoring?  
Email: cwright@gfnet.com [ ] Yes [ ] No

Collected By (print): Purchase Order #: DW PWS ID #:  
Jordan Daly Quote #: Pace 2023 for NPI DW Location Code:

Collected By (signature): Turnaround Date Required: Standard Immediately Packed on Ice:  
*Jordan Daly* [ ] Yes [ ] No

Sample Disposal: Rush: (Expedite Charges Apply) Field Filtered (if applicable):  
[x] Dispose as appropriate [ ] Same Day [ ] Next Day [x] Yes [ ] No  
[ ] Return [ ] 2 Day [ ] 3 Day  
[ ] Archive: [ ] 4 Day [ ] 5 Day  
[ ] Hold:

Analyses

Container Type: Plastic (P) or Glass (G)	NPI Short-list VOCs 8260	Dissolved cadmium (Cd)
G	X	

Lab Profile/Line:  
Lab Sample Receipt Checklist:  
Custody Seals Present/Intact Y N NA  
Custody Signatures Present Y N NA  
Collector Signature Present Y N NA  
Bottles Intact Y N NA  
Correct Bottles Y N NA  
Sufficient Volume Y N NA  
Samples Received on Ice Y N NA  
VOA - Headpace Acceptable Y N NA  
USDA Regulated Solids Y N NA  
Samples in Holding Time Y N NA  
Residual Chlorine Present Y N NA  
Cl Strips: \_\_\_\_\_  
Sample pH Acceptable Y N NA  
pH Strips: \_\_\_\_\_  
Sulfide Present Y N NA  
Lead Acetate Strips: \_\_\_\_\_

\* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns
			Date	Time	Date	Time		
NW-76A DUP	GW	Grab	11/30	14:40	--	--	--	3
NW-76B			11/30	14:50				
NW-77A			11/30	14:10				
NW-77B			11/30	14:15				
NW-77C			11/30	14:20				
RW-2A			11/30	15:05				
RW-2B			11/30	15:15				
RW-2C			11/30	15:20				
TRIP BLANK			12/1	10:15				2

LAB USE ONLY:  
Lab Sample # / Comments:  
011  
012  
013  
014  
015  
016  
017  
018  
019

Customer Remarks / Special Conditions / Possible Hazards: Please send copy of Level IV data package to Mary Gannon for validation and perform MS/MSD on VOC sample sets with six sample vials, if any, and/or as noted above.

Type of Ice Used: Wet Blue Dry None **D**

Packing Material Used: \_\_\_\_\_

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: \_\_\_\_\_

Samples received via: FEDEX UPS Client Courier Pace Courier

LAB Sample Temperature Info:  
Temp Blank Received: Y N NA  
Therm ID#: \_\_\_\_\_  
Cooler 1 Temp Upon Receipt: \_\_\_oC  
Cooler 1 Therm Corr Factor: \_\_\_oC  
Cooler 1 Corrected Temp: \_\_\_oC  
Comments:

Relinquished by/Company: (Signature) Date/Time: Received by/Company: (Signature) Date/Time:  
*Jordan Daly / Gannett Fleming* 12/1/23 / 11:00 \_\_\_\_\_  
*Fedex* 12/1/23 1010 *S. Gannon* 12/1/23 1010

MTJL LAB USE ONLY  
Table #: \_\_\_\_\_  
Acctnum: \_\_\_\_\_  
Template: \_\_\_\_\_  
Prelogin: \_\_\_\_\_  
PM: \_\_\_\_\_  
PB: \_\_\_\_\_

Trip Blank Received: Y N NA  
HCL MeOH TSP Other  
Non Conformance(s) Page 33 of 35  
YES / NO of: \_\_\_\_\_



Effective Date: 8/16/2022

Client Name: Cannett Fleming

Sample Preservation Receipt Form

Project # 40271676

All containers needing preservation have been checked and noted below:

Yes  No  N/A

Initial when completed SG

Date/Time: 12/16/23 10:55

Lab Lot# of pH paper: 100934

Lab Std #ID of preservation (if pH adjusted):

Pace Lab #	Glass						Plastic						Vials					Jars				General		VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)					
	AG1U	BG1U	AG1H	AG4S	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	BP2Z	VG9C	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU								SP5T	ZPLC	GN 1	GN 2	
001																																			2.5 / 5
002																																			2.5 / 5
003																																			2.5 / 5
004																																			2.5 / 5
005																																			2.5 / 5
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016																																			2.5 / 5
017																																			2.5 / 5
018																																			2.5 / 5
019																																			2.5 / 5
020																																			2.5 / 5


Exceptions to preservation check VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other.

Headspace in VOA Vials (>6mm) :  Yes  No  N/A \*If yes look in headspace column

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	VG9C	40 mL clear ascorbic w/ HCl	JGFU	4 oz amber jar unpres
BG1U	1 liter clear glass	BP3U	250 mL plastic unpres	DG9T	40 mL amber Na Thio	JG9U	9 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP3B	250 mL plastic NaOH	VG9U	40 mL clear vial unpres	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9H	40 mL clear vial HCL	WPFU	4 oz plastic jar unpres
AG5U	100 mL amber glass unpres	BP3S	250 mL plastic H2SO4	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH + Zn	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres					GN 1	
						GN 2	

**Sample Condition Upon Receipt Form (SCUR)**

**Client Name:** Gannett Fleming  
**Courier:**  CS Logistics  Fed Ex  Speedee  UPS  Waltco  
 Client  Pace Other: \_\_\_\_\_

Project #: \_\_\_\_\_  
**WO# : 40271670**  
  
 40271670

**Tracking #:** 7873 0583 9729  
**Custody Seal on Cooler/Box Present:**  yes  no    **Seals intact:**  yes  no  
**Custody Seal on Samples Present:**  yes  no    **Seals intact:**  yes  no  
**Packing Material:**  Bubble Wrap  Bubble Bags  None  Other  
**Thermometer Used** SR - 139    **Type of Ice:** Wet Blue Dry None  Meltwater Only

**Cooler Temperature**    Uncorr: 1-0    ICorr: 1-0  
**Temp Blank Present:**  yes  no    **Biological Tissue is Frozen:**  yes  no

**Person examining contents:**  
 Date: 12/2/23    Initials: SG  
 Labeled By Initials: R.A

Temp should be above freezing to 6°C.  
 Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- DI VOA Samples frozen upon receipt	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No    MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
Correct Type: <u>Pace Green Bay, Pace IR, Non-Pace</u>		
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis    Matrix: <u>W</u>		
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>508</u>		

**Client Notification/ Resolution:** \_\_\_\_\_    If checked, see attached form for additional comments   
 Person Contacted: \_\_\_\_\_    Date/Time: \_\_\_\_\_  
 Comments/ Resolution: \_\_\_\_\_



December 07, 2023

Project #34283.000 NPI  
Q4 Monitoring  
Reviewed by CCW  
12/8/2023

Clifford Wright  
Gannett Fleming  
8040 Excelsior Drive, Ste 303  
Madison, WI 53717

RE: Project: 34283.000 NPI  
Pace Project No.: 40271671

Dear Clifford Wright:

Enclosed are the analytical results for sample(s) received by the laboratory on December 02, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Ormond Beach

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Dan Milewsky  
dan.milewsky@pacelabs.com  
(920)469-2436  
Project Manager

Enclosures

cc: Mary Gannon, MCW Scientific Solutions  
Marcus Mussey, Gannett Fleming Inc.



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: 34283.000 NPI

Pace Project No.: 40271671

---

### Pace Analytical Services Ormond Beach

8 East Tower Circle, Ormond Beach, FL 32174

Alaska DEC- CS/UST/LUST

Alabama Certification #: 41320

Colorado Certification: FL NELAC Reciprocity

Connecticut Certification #: PH-0216

Delaware Certification: FL NELAC Reciprocity

DoD-ANAB #: ADE-3199

Florida Certification #: E83079

Georgia Certification #: 955

Guam Certification: FL NELAC Reciprocity

Hawaii Certification: FL NELAC Reciprocity

Illinois Certification #: 200068

Indiana Certification: FL NELAC Reciprocity

Kansas Certification #: E-10383

Kentucky Certification #: 90050

Louisiana Certification #: FL NELAC Reciprocity

Louisiana Environmental Certificate #: 05007

Maine Certification #: FL01264

Maryland Certification: #346

Massachusetts Certification #: M-FL1264

Michigan Certification #: 9911

Mississippi Certification: FL NELAC Reciprocity

Missouri Certification #: 236

Montana Certification #: Cert 0074

Nebraska Certification: NE-OS-28-14

New Hampshire Certification #: 2958

New Jersey Certification #: FL022

New York Certification #: 11608

North Carolina Environmental Certificate #: 667

North Carolina Certification #: 12710

North Dakota Certification #: R-216

Ohio DEP 87780

Oklahoma Certification #: D9947

Pennsylvania Certification #: 68-00547

Puerto Rico Certification #: FL01264

South Carolina Certification: #96042001

Tennessee Certification #: TN02974

Texas Certification: FL NELAC Reciprocity

US Virgin Islands Certification: FL NELAC Reciprocity

Virginia Environmental Certification #: 460165

West Virginia Certification #: 9962C

Wisconsin Certification #: 399079670

Wyoming (EPA Region 8): FL NELAC Reciprocity

---

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE SUMMARY

Project: 34283.000 NPI  
Pace Project No.: 40271671

---

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40271671001	FINISHED WATER	Water	12/01/23 08:15	12/02/23 10:10
40271671002	TRIP BLANK	Water	12/01/23 08:20	12/02/23 10:10

### REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: 34283.000 NPI  
Pace Project No.: 40271671

---

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40271671001	FINISHED WATER	EPA 524.2	AS4	8	PASI-O
40271671002	TRIP BLANK	EPA 524.2	AS4	8	PASI-O

---

PASI-O = Pace Analytical Services - Ormond Beach

### REPORT OF LABORATORY ANALYSIS

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## PROJECT NARRATIVE

Project: 34283.000 NPI

Pace Project No.: 40271671

---

**Method:** EPA 524.2

**Description:** 524.2 MSV

**Client:** Gannett Fleming Inc.

**Date:** December 07, 2023

**General Information:**

2 samples were analyzed for EPA 524.2 by Pace Analytical Services Ormond Beach. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

**Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

**Initial Calibrations (including MS Tune as applicable):**

All criteria were within method requirements with any exceptions noted below.

**Continuing Calibration:**

All criteria were within method requirements with any exceptions noted below.

**Internal Standards:**

All internal standards were within QC limits with any exceptions noted below.

**Surrogates:**

All surrogates were within QC limits with any exceptions noted below.

**Method Blank:**

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

**Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

**Matrix Spikes:**

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

**Additional Comments:**

This data package has been reviewed for quality and completeness and is approved for release.

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40271671

Sample: FINISHED WATER Lab ID: 40271671001 Collected: 12/01/23 08:15 Received: 12/02/23 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>524.2 MSV</b>									
Analytical Method: EPA 524.2									
Pace Analytical Services - Ormond Beach									
1,1-Dichloroethane	<0.38	ug/L	1.0	0.38	1		12/07/23 00:28	75-34-3	
1,1-Dichloroethene	<0.35	ug/L	0.50	0.35	1		12/07/23 00:28	75-35-4	
Tetrachloroethene	<0.41	ug/L	0.50	0.41	1		12/07/23 00:28	127-18-4	
1,1,1-Trichloroethane	<0.27	ug/L	0.50	0.27	1		12/07/23 00:28	71-55-6	
Trichloroethene	<0.26	ug/L	0.50	0.26	1		12/07/23 00:28	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		12/07/23 00:28	460-00-4	
Toluene-d8 (S)	101	%	70-130		1		12/07/23 00:28	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		12/07/23 00:28	2199-69-1	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40271671

Sample: TRIP BLANK Lab ID: 40271671002 Collected: 12/01/23 08:20 Received: 12/02/23 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>524.2 MSV</b>									
Analytical Method: EPA 524.2									
Pace Analytical Services - Ormond Beach									
1,1-Dichloroethane	<0.38	ug/L	1.0	0.38	1		12/07/23 00:52	75-34-3	
1,1-Dichloroethene	<0.35	ug/L	0.50	0.35	1		12/07/23 00:52	75-35-4	
Tetrachloroethene	<0.41	ug/L	0.50	0.41	1		12/07/23 00:52	127-18-4	
1,1,1-Trichloroethane	<0.27	ug/L	0.50	0.27	1		12/07/23 00:52	71-55-6	
Trichloroethene	<0.26	ug/L	0.50	0.26	1		12/07/23 00:52	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	98	%	70-130		1		12/07/23 00:52	460-00-4	
Toluene-d8 (S)	100	%	70-130		1		12/07/23 00:52	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		12/07/23 00:52	2199-69-1	

### REPORT OF LABORATORY ANALYSIS

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**QUALITY CONTROL DATA**

Project: 34283.000 NPI

Pace Project No.: 40271671

QC Batch: 971586

Analysis Method: EPA 524.2

QC Batch Method: EPA 524.2

Analysis Description: 524.2 MSV

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 40271671001, 40271671002

METHOD BLANK: 5344222

Matrix: Water

Associated Lab Samples: 40271671001, 40271671002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.27	0.50	12/06/23 21:14	
1,1-Dichloroethane	ug/L	<0.38	1.0	12/06/23 21:14	
1,1-Dichloroethene	ug/L	<0.35	0.50	12/06/23 21:14	
Tetrachloroethene	ug/L	<0.41	0.50	12/06/23 21:14	
Trichloroethene	ug/L	<0.26	0.50	12/06/23 21:14	
1,2-Dichlorobenzene-d4 (S)	%	100	70-130	12/06/23 21:14	
4-Bromofluorobenzene (S)	%	97	70-130	12/06/23 21:14	
Toluene-d8 (S)	%	104	70-130	12/06/23 21:14	

LABORATORY CONTROL SAMPLE & LCSD: 5344223

5344224

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	10	9.1	9.2	91	92	70-130	1	20	
1,1-Dichloroethane	ug/L	10	9.1	9.2	91	92	70-130	1	20	
1,1-Dichloroethene	ug/L	10	8.6	8.6	86	86	70-130	0	20	
Tetrachloroethene	ug/L	10	9.1	8.9	91	89	70-130	2	20	
Trichloroethene	ug/L	10	9.0	8.8	90	88	70-130	2	20	
1,2-Dichlorobenzene-d4 (S)	%				99	99	70-130			
4-Bromofluorobenzene (S)	%				99	99	70-130			
Toluene-d8 (S)	%				100	100	70-130			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

**REPORT OF LABORATORY ANALYSIS**

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## QUALIFIERS

Project: 34283.000 NPI

Pace Project No.: 40271671

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - The reported result is an estimated value.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

DL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Analyte was not detected and is reported as less than the LOD or as defined by the customer.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 34283.000 NPI  
Pace Project No.: 40271671

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Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40271671001	FINISHED WATER	EPA 524.2	971586		
40271671002	TRIP BLANK	EPA 524.2	971586		

### REPORT OF LABORATORY ANALYSIS

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# CHAIN-OF-CUSTODY Analytical Request Document

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <https://info.pacelabs.com/hubfs/pas-standard-terms.pdf>  
Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

40271671

**ALL BOLD OUTLINED AREAS are for LAB USE ONLY**

Company: Gannett Fleming, Inc. Billing Information: Derrick Paul  
 Address: National Presto Industries (NPI)  
 8040 Excelsior Dr., Suite 303 Madison, WI 53717 3925 N Hastings Way, Eau Claire, WI 54703  
 Report To: Cliff Wright Email To: dpaul@gopresto.com

Copy To: Site Collection Info/Address: Same as Billing Info address above  
 Customer Project Name/Number: NPI/34283.000 State: WI County/City: / Time Zone Collected: [ ]PT [ ]MT [x]CT [ ]ET

Phone: 608/695-3651 Site/Facility ID #: 609038320 Compliance Monitoring? [ ] Yes [ ] No  
 Email: cwright@gfnet.com  
 Collected By (print): Purchase Order #: Jordan Daly Quote #: Pace 2023 for NPI DW PWS ID #: DW Location Code:  
 Collected By (signature): [Signature] Turnaround Date Required: Standard Immediately Packed on Ice: [ ] Yes [ ] No  
 Sample Disposal: Rush: (Expedite Charges Apply) Field Filtered (if applicable):  
 [x] Dispose as appropriate [ ] Same Day [ ] Next Day [ ] Yes [ ] No  
 [ ] Return [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day  
 [ ] Archive [ ] Hold Analysis:

\* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns	Container Type: Plastic (P) or Glass (G)	NPI Short-list VOCs: 524.2
			Date	Time	Date	Time				
Finished water	DW	Grab	12/1	08:15	--	--	--	3	G	x
Trip blank			12/1	08:20				2	G	x

Container Preservative Type \*\* Lab Project Manager:  
 3  
 \*\* Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

Analyses										Lab Profile/Line:
										Lab Sample Receipt Checklist: Custody Seals Present/Intact Y N NA Custody Signatures Present Y N NA Collector Signature Present Y N NA Bottles Intact Y N NA Correct Bottles Y N NA Sufficient Volume Y N NA Samples Received on Ice Y N NA VOA Headspace Acceptable Y N NA USDA Regulated VOCs Y N NA Samples in Holding Time Y N NA Residual Chlorine Present Y N NA Cl Strips Sample pH Acceptable Y N NA pH Strips: Sulfide Present Y N NA Lead Acetate Strips:  LAB USE ONLY: Lab Sample # / Comments:
										001
										002

Customer Remarks / Special Conditions / Possible Hazards: Please send copy of Level IV data package to Mary Gannon for validation and perform MS/MSD on VOC sample sets with six sample vials, if any, and/or as noted above.  
 Type of Ice Used: Wet Blue Dry None  
 Packing Material Used:  
 Radchem sample(s) screened (<500 cpm): Y N NA  
 SHORT HOLDS PRESENT (<72 hours): Y N N/A  
 Lab Tracking #:  
 Samples received via: FEDEX UPS Client Courier Pace Courier

Relinquished by/Company: (Signature) Date/Time: Received by/Company: (Signature) Date/Time: MTJL LAB USE ONLY  
 Relinquished by/Company: (Signature) Date/Time: Received by/Company: (Signature) Date/Time: Table #:  
 Relinquished by/Company: (Signature) Date/Time: Received by/Company: (Signature) Date/Time: Acctnum:  
 Template:  
 Prelogin:  
 PM:  
 PB:  
 Trip Blank Received: Y N NA  
 HCL MeOH TSP Other  
 Non Conformance(s) Page 1 of 13  
 YES / NO of: 1

Effective Date: 8/16/2022

Client Name: Garnett Fleming

Sample Preservation Receipt Form  
Project # 40271671  
 Yes  No  N/A  
Lab Lot# of pH paper \_\_\_\_\_  
Lab Std #ID of preservation (if pH adjusted): \_\_\_\_\_

Initial when completed: \_\_\_\_\_  
Date/ Time: \_\_\_\_\_

Pace Lab #	Glass						Plastic						Vials					Jars				General		VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)	
	AG1U	BG1U	AG1H	AG4S	AG5U	AG2S	BP1U	BP3U	BP3B	BP3N	BP3S	BP2Z	VG9C	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T								ZPLC
001																															2.5 / 5
002																															2.5 / 5
003																															2.5 / 5
004																															2.5 / 5
005																															2.5 / 5
006																															2.5 / 5
007																															2.5 / 5
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015																															2.5 / 5
016																															2.5 / 5
017																															2.5 / 5
018																															2.5 / 5
019																															2.5 / 5
020																															2.5 / 5

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other \_\_\_\_\_ Headspace in VOA Vials (>6mm):  Yes  No  N/A \*If yes look in headspace column

<b>AG1U</b>	1 liter amber glass	<b>BP1U</b>	1 liter plastic unpres	<b>VG9C</b>	40 mL clear ascorbic w/ HCl	<b>JGFU</b>	4 oz amber jar unpres
<b>BG1U</b>	1 liter clear glass	<b>BP3U</b>	250 mL plastic unpres	<b>DG9T</b>	40 mL amber Na Thio	<b>JG9U</b>	9 oz amber jar unpres
<b>AG1H</b>	1 liter amber glass HCL	<b>BP3B</b>	250 mL plastic NaOH	<b>VG9U</b>	40 mL clear vial unpres	<b>WGFU</b>	4 oz clear jar unpres
<b>AG4S</b>	125 mL amber glass H2SO4	<b>BP3N</b>	250 mL plastic HNO3	<b>VG9H</b>	40 mL clear vial HCL	<b>WPFU</b>	4 oz plastic jar unpres
<b>AG5U</b>	100 mL amber glass unpres	<b>BP3S</b>	250 mL plastic H2SO4	<b>VG9M</b>	40 mL clear vial MeOH	<b>SP5T</b>	120 mL plastic Na Thiosulfate
<b>AG2S</b>	500 mL amber glass H2SO4	<b>BP2Z</b>	500 mL plastic NaOH + Zn	<b>VG9D</b>	40 mL clear vial DI	<b>ZPLC</b>	ziploc bag
<b>BG3U</b>	250 mL clear glass unpres					<b>GN 1</b>	
						<b>GN 2</b>	

### Sample Condition Upon Receipt Form (SCUR)

Project #:

Client Name:

Cannett Fleming

Courier:  CS Logistics  Fed Ex  Speedee  UPS  Waltco

Client  Pace Other: \_\_\_\_\_

Tracking #:

78730583 9779

Custody Seal on Cooler/Box Present:  yes  no Seals intact:  yes  no

Custody Seal on Samples Present:  yes  no Seals intact:  yes  no

Packing Material:  Bubble Wrap  Bubble Bags  None  Other

Thermometer Used SR-139 Type of Ice: Wet Blue Dry None  Meltwater Only

Cooler Temperature Uncorr: 1.0 /Corr: 1.0

Temp Blank Present:  yes  no

Biological Tissue is Frozen:  yes  no

Temp should be above freezing to 6°C.

Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

WO#: 40271671



40271671

Person examining contents:

Date: 12/12/23 Initials: SG

Labeled By Initials: MWZ

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- DI VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
Correct Type: <u>Pace Green Bay, Pace IR, Non-Pace</u>		
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>aw</u>		
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>508</u>		

Client Notification/ Resolution:

If checked, see attached form for additional comments

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample log in

**APPENDIX C (available upon request)**

**TEXT OF THE 2023 ANALYTICAL DATA VALIDATION REPORTS**



## Presto Site Data Validation Technical Memorandum

March 21, 2023 Sampling Event



Technical memorandum

DATE: May 5, 2023

TO: Derrick Paul

National Presto Industries, Inc.

FROM: Mary C Gannon

Owner MCW Scientific Solutions LLC

SUBJECT: Data Validation for National Presto Industries, Inc.

*Interim Remedial Action Project*

March 21, 2023 Quarterly Groundwater Sampling Event

Project#: 34283

A handwritten signature in black ink that reads 'Mary C Gannon' with the date '5/5/23' written below it.

**1.0 OVERVIEW**

Analytical results (8260 volatiles, and 6010D dissolved cadmium) for the samples listed in Table 1, collected by Gannett Fleming, Inc. from the interim remedial action at National Presto Industries, Inc. on March 21, 2023, have been evaluated using the EPA guidance documents the "National Functional Guidelines for Inorganic Superfund Methods Data Review," dated September 2016 and January 2017, and the "National Functional Guidelines for Superfund Organic Methods Data Review," dated September 2016 and January 2017. The project data quality objective was assumed to be that data were to be usable for the purposes of assessing the interim remedial action for the site groundwater. The review was based on data packages supplied by the analytical laboratory, Pace Analytical, located in Green Bay, Wisconsin.

**DQO Attainment**

All dissolved cadmium data and 8260 results are usable as reported without additional qualification. Values qualified with a J code by the laboratory are those that are above the LOD, but less than the LOQ. The validated data sheets are attached.

## Presto Site Data Validation Technical Memorandum

March 21, 2023 Sampling Event

**2.0 6010 Dissolved Cd**

Pace utilized EPA method 6010 for dissolved cadmium. No significant deviations from this method that affected data quality were evident from the documentation supplied. No action was needed to qualify sample data.

**2.1 Completeness Assessment**

All analyses included a summary of the lab blank, calibration check standards, LCS, and MS/MSD results. The required frequency for internal laboratory QC samples and calibration checks were met. All samples collected and indicated on the chain-of-custody form were analyzed. No action was needed to qualify sample data.

**2.2 Compliance Assessment****2.2.1 Holding Time/Preservation**

All samples were analyzed within the six month; method required holding time. Verification of sample pH upon receipt/analysis indicated that all samples that required preservation were adequately preserved to pH < 2. Sample temperature upon receipt by the lab was acceptable. No action was needed to qualify sample data.

**2.2.2 Calibration**

Initial, continuing, and final check standard recoveries were within the 90-110 % limits. All CRDL check standards were within the method required limits. ICP interference check samples met the 80-120% recovery criteria. No action was needed to qualify sample data.

**2.2.3 Laboratory Blanks**

No detects were reported in the method blank, initial or continuing calibration blanks analyzed with the project sample. No action was needed to qualify sample data.

**2.2.4 Laboratory Control Standard**

An LCS sample at 250 ug/L was analyzed for 6010 metals with every batch of 20 or less project samples. All recoveries and Relative Percent Difference limits established by Pace and found on QAPP worksheet #15 were met for all reported compounds. No action was needed to qualify sample data.

**2.2.5 MS/MSD Sample Recovery and RPD**

The project sample used for method 6010 analyses MS/MSD was MW-10A. All recoveries and Relative Percent Difference limits established by Pace and found on QAPP worksheet #15 were met. No action was needed to qualify sample data.

## Presto Site Data Validation Technical Memorandum

March 21, 2023 Sampling Event

**2.2.6 Serial Dilution**

A serial dilution was run on sample MW-34A. The serial dilution did not have a value >50x the MDL therefore, no action was needed to qualify sample data.

**2.2.7 Field QC Results**

No field blanks or field duplicates were collected and analyzed for metals on the one project sample. No action was needed to qualify sample data.

**2.3 Data Usability**

All metals, data, as reported by Pace, was acceptable for use in the investigation.

**3.0 VOLATILE ORGANICS DATA BY METHODS 8260**

Pace utilized EPA method 8260 for project sample analysis, as indicated in Table 1. No significant deviations from these reference methods affecting data quality were evident from the documentation received and reviewed.

**3.1 Completeness Assessment**

The required method 8260 frequency for internal laboratory QC samples and calibration checks were met. All samples collected and indicated on the chain-of-custody form were analyzed.

**3.2 Compliance Assessment****3.2.1 Holding Times/Preservation**

All samples were analyzed within the 14-day holding time. Verification of sample pH upon analysis indicated that all samples were adequately preserved at a pH of < 2. No action was needed to qualify sample data.

Sample temperature upon receipt by the lab was acceptable as all were received "on ice." No action was needed to qualify sample data.

**3.2.2 Initial Calibration and Tuning**

BFB tuning results met method 8260 criteria as appropriate. No action was needed to qualify sample data.

A seven point initial calibration curve was analyzed on 2/7/23 for method 8260. The 15 percent RSD limit required by method 8260 was met for all reported compounds. No action was needed to qualify sample data.

## Presto Site Data Validation Technical Memorandum

March 21, 2023 Sampling Event

**3.2.3 Continuing Calibration**

A continuing calibration standard (CCAL) was analyzed according to methods 8260 every 12 hours. All Calibration Check Compounds met the method 8260 limits of < 20 % difference. All response factors of reported compounds met data validation criteria. No action was needed to qualify sample data.

**3.2.4 Laboratory Blanks**

No detectable volatile organics above the LOD were present in the lab blanks analyzed with the project samples. No action was needed to qualify sample data.

**3.2.5 Surrogate Recoveries**

All surrogate recoveries were within Pace limits. No action was needed to qualify sample data.

**3.2.6 Matrix Spike (MS)/Matrix Spike Duplicates (MSD)**

The project samples used for method 8260 analyses MS/MSD was EW-6 and MW-76B. All recoveries and Relative Percent Difference limits established by Pace and found on QAPP worksheet #15 were met for all reported compounds. No action was needed to qualify sample data.

**3.2.7 Laboratory Control Standard**

LCS samples were analyzed with every batch of 20 or less project samples. All recoveries and Relative Percent Difference limits established by Pace and found on QAPP worksheet #15 were met for all reported compounds. No action was needed to qualify sample data.

**3.2.8 Internal Standards**

Internal standard areas in project samples were within the method limits of - 50 % to + 100 %. No action was needed to qualify sample data.

**3.2.9 Field QC Results**

One trip blank was received with this set of data. No analytes were detected. No action was needed to qualify sample data.

A field duplicate was collected for MW-76A. The calculated Relative Percent Difference (RPD) for the detected volatile organics between the sample and its field duplicate are as follows:

Sample ID	MW-76A	MW-76A Dup	RPD
1,1,1-trichloroethane	0.56 J ug/L	0.57 J ug/L	1.8%

Presto Site Data Validation Technical Memorandum

March 21, 2023 Sampling Event

All RPD values at or above the reporting limit were within 50% as specified on QAPP Worksheet #12. No data will be qualified based on field duplicate data.

3.3 Data Usability

All volatiles data, as reported by Pace, was acceptable for use in the investigation.

If you have any questions regarding the qualification of data or the data validation process/criteria used, please contact me at (512)970-4608.

Attachments:

Table 1  
Validated Analytical Reports (hard copy)

cc: Gannett Fleming, Inc.

**Table 1 Sample Results Validated from March 21, 2023**

	Volatiles	Dissolved
	SW846	Cadmium
SAMPLE ID	8260B	6010
<b>EW-6</b>	✓	
<b>MW-4A</b>	✓	
<b>MW-4B</b>	✓	
<b>MW-10A</b>		✓
<b>MW-34A</b>		✓
<b>MW-70A</b>	✓	
<b>MW-76A</b>	✓	
<b>MW-76A DUP</b>	✓	
<b>EW-6 DUP</b>	✓	
<b>MW-76B</b>	✓	
<b>MW-77A</b>	✓	
<b>MW-77B</b>	✓	
<b>MW-77C</b>	✓	
<b>RW-2A</b>	✓	
<b>RW-2B</b>	✓	
<b>RW-2C</b>	✓	
<b>TRIP BLANK</b>	✓	
<b>Total</b>	15	2

## Presto Site Data Validation Technical Memorandum

June 2023 Sampling Event



Technical memorandum

DATE: August 13, 2023

TO: Derrick Paul

National Presto Industries, Inc.

FROM: Mary C Gannon

Owner MCW Scientific Solutions LLC

SUBJECT: Data Validation for National Presto Industries, Inc.

*Interim Remedial Action Project*

June 2023 Quarterly Groundwater Sampling Event

Project#: 34283

Mary C Gannon  
8/13/23

**1.0 OVERVIEW**

Analytical results (8260,524.2 volatiles and 6010 dissolved cadmium for the samples listed in Table 1, collected by Gannett Fleming, Inc. from the interim remedial action at National Presto Industries, Inc. on June 12-14, 2023 have been evaluated using the EPA guidance documents the "National Functional Guidelines for Inorganic Superfund Methods Data Review," dated November 2020, and the "National Functional Guidelines for Superfund Organic Methods Data Review," dated November 2020. The project data quality objective was assumed to be that data were to be usable for the purposes of assessing the interim remedial action for the site groundwater. The review was based on data packages supplied by the analytical laboratory, Pace Analytical, located in Green Bay, Wisconsin, and Ormond Beach, Florida.

**DQO Attainment**

All data are usable, as reported, without additional qualification.

Values qualified with a J code by the laboratory are above the LOD but less than the LOQ. The validated data sheets are attached.

## Presto Site Data Validation Technical Memorandum

June 2023 Sampling Event

**2.0 6010 Dissolved Cd**

Pace utilized EPA method 6010D for dissolved cadmium. No significant deviations from this method that affected data quality were evident from the documentation supplied. No action was needed to qualify sample data.

**2.1 Completeness Assessment**

All analyses included a summary of the lab blank, calibration check standards, LCS, and MS/MSD results. The required frequency for internal laboratory QC samples and calibration checks was met. All samples collected and indicated on the chain-of-custody form were analyzed. No action was needed to qualify sample data.

**2.2 Compliance Assessment****2.2.1 Holding Time/Preservation**

All samples were analyzed within six months, method required holding time. Verification of sample pH upon receipt/analysis indicated that all samples that required preservation were adequately preserved to pH < 2. The sample temperature upon receipt by the lab was acceptable. No action was needed to qualify sample data.

**2.2.2 Calibration**

*Initial, continuing, and final check standard recoveries were within the 90-110 % limits. All CRDL check standards were within the method required limits. ICP interference check samples met the 80-120% recovery criteria. No action was needed to qualify sample data.*

**2.2.3 Laboratory Blanks**

No detects were reported in the method blank, initial, or continuing calibration blanks analyzed with the project sample. No action was needed to qualify sample data.

**2.2.4 Laboratory Control Standard**

An LCS sample at 250 ug/L was analyzed for 6010 metals with every batch of 20 or less project samples. All recoveries and Relative Percent Difference limits established by Pace and found on QAPP worksheet #15 were met for all reported compounds. No action was needed to qualify sample data.

**2.2.5 MS/MSD Sample Recovery and RPD**

The one sample analyzed did not have an MS/MSD. A batch MS/MSD was run at appropriate intervals. No action was needed to qualify sample data.



## Presto Site Data Validation Technical Memorandum

June 2023 Sampling Event

**2.2.6 Serial Dilution**

The one sample analyzed did not have a serial dilution. No action was needed to qualify sample data.

**2.2.7 Field QC Results**

No field blanks or field duplicates were collected and analyzed for metals one project sample. No action was needed to qualify sample data.

**2.3 Data Usability**

All metals data, as reported by Pace, was acceptable for use in the investigation.

**3.0 VOLATILE ORGANICS DATA BY METHODS 8260B/524.2**

Pace utilized EPA methods 8260B and 524.2 for project sample analysis, as indicated in Table 1. No significant deviations from these reference methods affecting data quality were evident from the documentation received and reviewed.

**3.1 Completeness Assessment**

The required methods 8260 and 524.2 frequency for internal laboratory QC samples and calibration checks were met. All samples collected and indicated on the chain-of-custody form were analyzed. There were a few minor errors on the original chain of custody, but these were corrected by the project manager before analyses began.

**3.2 Compliance Assessment****3.2.1 Holding Times/Preservation**

All samples were analyzed within the 14-day holding time. Verification of sample pH upon analysis indicated that all 524.2 samples were adequately preserved at a pH of < 2. No exceptions for pH on 8260 were noted, so it is assumed they were also preserved at a pH of < 2. All samples for 524.2 analyses are noted as having headspace greater than 6mm in the vials. No action was needed to qualify sample data.

The sample temperature upon receipt by the lab was acceptable as all were received at 1-6°C or "on ice." No action was needed to qualify sample data.

**3.2.2 Initial Calibration and Tuning**

BFB tuning results met method 8260 and 524.2 criteria as appropriate. No action was needed to qualify sample data.

## Presto Site Data Validation Technical Memorandum

June 2023 Sampling Event

A six-point initial calibration curve was analyzed on 4/20/23, and a seven point calibration curve on 5/26/23, for method 8260. The 15 percent RSD limit required by method 8260 was met for all reported compounds. No action was needed to qualify sample data.

An eight or nine-point initial calibration for method 524.2 was analyzed on 6/12/23. All RSD values for the reported volatile organics were less than the 20% limit required for method 524.2. No action was needed to qualify sample data.

### 3.2.3 Continuing Calibration

A continuing calibration standard (CCAL) was analyzed according to methods 8260B and 524.2 at the beginning of every 12 hours. All Calibration Check Compounds met the method 8260B limits of < 20 % difference and the 524.2 limits of < 30 % difference. All response factors of reported compounds met data validation criteria. No action was needed to qualify sample data.

### 3.2.4 Laboratory Blanks

No detectable volatile organics above the LOD were present in the lab blanks analyzed with the project samples. No action was needed to qualify sample data.

### 3.2.5 Surrogate Recoveries

All surrogate recoveries were within Pace limits. No action was needed to qualify sample data.

### 3.2.6 Matrix Spike (MS)/Matrix Spike Duplicates (MSD)

Project samples used for method 8260 analyses MS/MSD were EW-6 , MW-38B and RW-3A. All recoveries and Relative Percent Difference limits established by Pace and found on QAPP worksheet #15 were met for all reported compounds. No action was needed to qualify sample data.

The two samples analyzed for 524.2 did not have an MS/MSD. A batch MS/MSD was run at appropriate intervals. No action was needed to qualify sample data.

### 3.2.7 Laboratory Control Standard

LCS samples were analyzed with every batch of 20 or less project samples. All recoveries and Relative Percent Difference limits established by Pace and found on QAPP worksheet #15 were met for 8260 analysis. The RPD for 1,1-Dichloroethene analyzed by 524.2 was outside the 20% criteria stated in QAPP worksheet #15. The two client samples were non-detect for all analytes. No guidance is found in "National Functional Guidelines for Superfund Organic Methods Data Review," dated November

## Presto Site Data Validation Technical Memorandum

## June 2023 Sampling Event

2020 or method 524.2 for LCS RPD failures. It is the validators professional judgement that no data qualification is necessary for this excursion since the samples were non-detect.

### 3.2.8 Internal Standards

Internal standard areas in project samples were within the method limits of- 50 % to + 100 %. No action was needed to qualify sample data.

### 3.2.9 Field QC Results

Two trip blanks were received with this set of data. No analytes were detected. No action was needed to qualify sample data.

Field duplicates were collected for MW-76A, MW-77B, EW-6, MW-52A, RW-3A and FINISHED WATER. No analytes were detected in RW-3A or FINISHED WATER. The calculated Relative Percent Difference (RPD) for the detected volatile organics between the sample and its field duplicate were as follows:

Sample ID	MW-76A	MW-76A DUP	RPD	MW-77B	MW-77B DUP	RPD
1,1,1-Trichloroethane	1.1 ug/L	1.1 ug/L	0%	ND	ND	
Tetrachloroethene	0.51 J ug/L	0.59 J ug/L	NA	ND	ND	
Trichloroethene	0.54 J ug/L	0.57 J ug/L	NA	1.9 ug/L	1.9 ug/L	0%

Sample ID	EW-6	EW-6 DUP	RPD	MW-52A	MW-52A Dup	RPD
1,1,1-Trichloroethane	2.2 ug/L	2.3 ug/L	4.4%	ND	ND	
1,1-Dichloroethane	2.0 ug/L	2.0 ug/L	0%	ND	ND	
Tetrachloroethene	1.1 ug/L	1.0 ug/L	9.5%	ND	ND	
Trichloroethene	2.7 ug/L	2.7 ug/L	0%	3.0 ug/L	2.8 ug/L	6.9%

All RPD values were within 50% for results greater than the reporting limit as specified on QAPP Worksheet #12. No action was needed to qualify sample data.

### 3.3 Data Usability

All volatile organic data, as reported by Pace, was acceptable for use in the investigation.

If you have any questions regarding the qualification of data or the data validation process/criteria used, please contact me at (512)970-4608.

Presto Site Data Validation Technical Memorandum

June 2023 Sampling Event

**Attachments:**

**Table 1**  
**Validated Analytical Reports (hard copy)**

cc: Gannett Fleming, Inc.

Table 1 Sample Results Validated June 2023 Sampling

SAMPLE ID	Volatiles	Dissolved	SAMPLE ID	Volatiles	SAMPLE ID	Volatiles
	SW846	Cadmium		SW846		524.2
	8260B	6010		8260B		
MW-4A	✓		RW-15	✓	FINISHED WATER	✓
MW-4B	✓		WW-15	✓	FINISHED WATER DUP	✓
MW-10A		✓	MW-49A	✓	TRIP BLANK	✓
MW-34A	✓		MW-51B	✓		
MW-5A	✓		MW-52A	✓		
MW-62AR	✓		MW-52A DUP	✓		
MW-62B	✓		MW-52B	✓		
MW-65B	✓		MW-53A	✓		
MW-65C	✓		MW-53B	✓		
MW-68A	✓		MW-54B	✓		
MW-68B	✓		MW-54C	✓		
MW-70A	✓		MW-55B	✓		
MW-76A	✓		MW-55C	✓		
MW-76A DUP	✓		MW-35A	✓		
MW-76B	✓		MW-35B	✓		
MW-77A	✓		RW-3A	✓		
MW-77B	✓		RW-3A DUP	✓		
MW-77B DUP	✓		RW-3B	✓		
MW-77C	✓		RW-3C	✓		
EW-6	✓		MW-41A	✓		
EW-6 DUP	✓		MW-41B	✓		
MW-23A	✓		MW-43A	✓		
MW-23B	✓		MW-43B	✓		
MW-38A	✓		RW-16	✓		
MW-38B	✓		RW-16B	✓		
MW-38C	✓		RW-16C	✓		
RW-2A	✓		Trip Blank	✓		
RW-2B	✓					
RW-2C	✓					
<b>Total</b>	<b>28</b>	<b>1</b>		<b>27</b>		<b>3</b>

## Presto Site Data Validation Technical Memorandum

August 29-30, 2023 Sampling Event



Technical memorandum

DATE: October 14, 2023

TO: Derrick Paul

National Presto Industries, Inc.

FROM: Mary C Gannon

Owner MCW Scientific Solutions LLC

SUBJECT: Data Validation for National Presto Industries, Inc.

*Interim Remedial Action Project*

August 29-30, 2023 Quarterly Groundwater Sampling Event

Project#: 34283

Mary C. Gannon  
10/14/23

**1.0 OVERVIEW**

Analytical results (8260volatiles, and 6010 dissolved and total recoverable cadmium) for the samples listed in Table 1, collected by Gannett Fleming, Inc. from the interim remedial action at National Presto Industries, Inc. on August 29-30, 2023, have been evaluated using the EPA guidance documents the "National Functional Guidelines for Inorganic Superfund Methods Data Review," dated November 2020, and the "National Functional Guidelines for Superfund Organic Methods. The project data quality objective was assumed to be that data were to be usable for the purposes of assessing the interim remedial action for the site groundwater. The review was based on data packages supplied by the analytical laboratory, Pace Analytical, located in Green Bay, Wisconsin.

**DQO Attainment**

All dissolved and total recoverable cadmium data and 8260 results are usable as reported without additional qualification. Values qualified with a J code by the laboratory are those that are above the LOD, but less than the LOQ. The validated data sheets are attached.

## Presto Site Data Validation Technical Memorandum

August 29-30, 2023 Sampling Event

**2.0 6010 Dissolved and Total Cadmium**

Pace utilized EPA method 6010D for dissolved and total recoverable cadmium. No significant deviations from this method that affected data quality were evident from the documentation supplied. No action was needed to qualify sample data.

**2.1 Completeness Assessment**

All analyses included a summary of the lab blank, calibration check standards, LCS, and MS/MSD results. The required frequency for internal laboratory QC samples and calibration checks were met. All samples collected and indicated on the chain-of-custody form were analyzed. No action was needed to qualify sample data.

**2.2 Compliance Assessment****2.2.1 Holding Time/Preservation**

All samples were analyzed within the six month; method required holding time. Verification of sample pH upon receipt/analysis indicated that all samples that required preservation were adequately preserved to pH < 2. Sample temperature upon receipt by the lab was acceptable. No action was needed to qualify sample data.

**2.2.2 Calibration**

Initial, continuing, and final check standard recoveries were within the 90-110 % limits. All CRDL check standards were within the method required limits. ICP interference check samples met the 80-120% recovery criteria. No action was needed to qualify sample data.

**2.2.3 Laboratory Blanks**

No detects were reported in the method blank, initial or continuing calibration blanks analyzed with the project sample. No action was needed to qualify sample data.

**2.2.4 Laboratory Control Standard**

An LCS sample at 250 ug/L was analyzed for 6010 metals with every batch of 20 or less project samples. All recoveries and Relative Percent Difference limits established by Pace and found on QAPP worksheet #15 were met for all reported compounds. No action was needed to qualify sample data.

**2.2.5 MS/MSD Sample Recovery and RPD**

No project samples were used for method 6010 analyses MS/MSD. A batch MS/MSD was run at appropriate intervals. No action was needed to qualify sample data.

## Presto Site Data Validation Technical Memorandum

August 29-30, 2023 Sampling Event

**2.2.6 Serial Dilution**

No serial dilution was analyzed on the client samples. No action was needed to qualify sample data.

**2.2.7 Field QC Results**

No field blanks or field duplicates were collected and analyzed for metals samples. No action was needed to qualify sample data.

**2.3 Data Usability**

All metals, data, as reported by Pace, was acceptable for use in the investigation.

**3.0 VOLATILE ORGANICS DATA BY METHODS 8260B**

Pace utilized EPA method 8260B for project sample analysis, as indicated in Table 1. No significant deviations from these reference methods affecting data quality were evident from the documentation received and reviewed.

**3.1 Completeness Assessment**

The required method 8260 frequency for internal laboratory QC samples and calibration checks were met. All samples collected and indicated on the chain-of-custody form were analyzed.

**3.2 Compliance Assessment****3.2.1 Holding Times/Preservation**

All samples were analyzed within the 14-day holding time. Verification of sample pH upon analysis indicated that all samples were adequately preserved at a pH of < 2. No action was needed to qualify sample data.

Sample temperature upon receipt by the lab was acceptable as all were received at 2-6°C or "on ice." No action was needed to qualify sample data.

**3.2.2 Initial Calibration and Tuning**

BFB tuning results met method 8260 criteria as appropriate. No action was needed to qualify sample data.

A seven point initial calibration curve was analyzed on 7/10/23, and 7/13/23 for method 8260. The 15 percent RSD limit required by method 8260 was met for all reported compounds. No action was needed to qualify sample data.



## Presto Site Data Validation Technical Memorandum

August 29-30, 2023 Sampling Event

**3.2.3 Continuing Calibration**

A continuing calibration standard (CCAL) was analyzed according to methods 8260B every 12 hours. All Calibration Check Compounds met the method 8260B limits of < 20 % difference. All response factors of reported compounds met data validation criteria. No action was needed to qualify sample data.

**3.2.4 Laboratory Blanks**

No detectable volatile organics above the LOD were present in the lab blanks analyzed with the project samples. No action was needed to qualify sample data.

**3.2.5 Surrogate Recoveries**

All surrogate recoveries were within Pace limits. No action was needed to qualify sample data.

**3.2.6 Matrix Spike (MS)/Matrix Spike Duplicates (MSD)**

Three project samples were used for method 8260 analyses MS/MSD. Sample EW-6, MW-76B and RW-2C recoveries and Relative Percent Difference limits found on QAPP worksheet #15 were met for all analytes. No action was needed to qualify sample data.

**3.2.7 Laboratory Control Standard**

LCS samples were analyzed with every batch of 20 or less project samples. All recoveries and Relative Percent Difference limits established by Pace and found on QAPP worksheet #15 were met for all reported compounds. No action was needed to qualify sample data.

**3.2.8 Internal Standards**

Internal standard areas in project samples were within the method limits of - 50 % to + 100 %. No action was needed to qualify sample data.

**3.2.9 Field QC Results**

One trip blank was received with this set of data. No analytes were detected. No action was needed to qualify sample data.

A field duplicate was collected for EW-6 and MW-76A. The calculated Relative Percent Difference (RPD) for the detected volatile organics between the sample and its field duplicate were as follows:

## Presto Site Data Validation Technical Memorandum

August 29-30, 2023 Sampling Event

Sample ID	EW-6	EW-6 DUP	RPD	MW-76A	MW-76A Dup	RPD
1,1,1-Trichloroethane	3.2 ug/L	3.4 ug/L	6.1%	9.1 ug/L	9.1 ug/L	0%
1,1-Dichloroethane	1.8 ug/L	1.8 ug/L	0%	1.4 ug/L	1.3 ug/L	7.4%
Tetrachloroethene	1.1 ug/L	1.1 ug/L	0%	0.80 J ug/L	0.79 J ug/L	1.3%
Trichloroethene	2.6 ug/L	2.5 ug/L	3.9%	1.2 ug/L	1.2 ug/L	0%

All RPD values at or above the reporting limit were within 50% as specified on QAPP Worksheet #12. No data will be qualified based on field duplicate data.

### 3.3 Data Usability

All volatiles data, as reported by Pace, was acceptable for use in the investigation.

If you have any questions regarding the qualification of data or the data validation process/criteria used, please contact me at (512)970-4608.

Attachments:

Table 1  
Validated Analytical Reports (hard copy)

cc: Gannett Fleming, Inc.

**Table 1 Sample Results Validated August 2023**

	Volatiles	Total	Dissolved
	SW846	Cadmium	Cadmium
SAMPLE ID	8260B	6010	6010
MW-34A			✓
MW-34B			✓
MW-68A	✓		
MW-68B			✓
MW-70A	✓		
MH-18	✓	✓	
EW-6	✓		
EW-6 DUP	✓		
MW-10A			✓
MW-10B			✓
MW-4A	✓		
MW-4B	✓		
MW-77A	✓		
MW-77B	✓		
MW-77C	✓		
MW-76A	✓		
MW-77A DUP	✓		
MW-76B	✓		
MW-75			✓
MW-70B			✓
EW-6-24	✓		
TRIP BLANK	✓		
RW-2A	✓		
RW-2B	✓		
RW-2C	✓		
EC-1	✓		
<b>Total</b>	<b>19</b>	<b>1</b>	<b>7</b>

Presto Site Data Validation Technical Memorandum

November 30- December 1, 2023 Sampling Event



Technical memorandum

DATE: January 10, 2024

TO: Derrick Paul

National Presto Industries, Inc.

FROM: Mary C Gannon

Owner MCW Scientific Solutions LLC

SUBJECT: Data Validation for National Presto Industries, Inc.

Interim Remedial Action Project

November 30- December 1, 2023 Quarterly Groundwater Sampling Event

Project#: 34283

*Mary C Gannon  
1/10/24*

## 1.0 OVERVIEW

Analytical results (8260,524.2 volatiles and, 6010 dissolved cadmium for the samples listed in Table 1, collected by Gannett Fleming, Inc. from the interim remedial action at National Presto Industries, Inc. on November 30- December 1, 2023, have been evaluated using the EPA guidance documents the "National Functional Guidelines for Inorganic Superfund Methods Data Review," dated November 2020, and the "National Functional Guidelines for Superfund Organic Methods Data Review," dated November 2020. The project data quality objective was assumed to be that data were to be usable for the purposes of assessing the interim remedial action for the site groundwater. The review was based on data packages supplied by the analytical laboratory, Pace Analytical, located in Green Bay, Wisconsin, and Ormond Beach, Florida.

### **DQO Attainment**

All dissolved cadmium, 524.2 and 8260 results are usable as reported without additional qualification. Values qualified with a J code by the laboratory are those that are above the LOD but less than the LOQ. The validated data sheets are attached.

## Presto Site Data Validation Technical Memorandum

November 30- December 1, 2023 Sampling Event

**2.0 6010 Dissolved Cd**

Pace utilized EPA method 6010 for dissolved cadmium. No significant deviations from this method that affected data quality were evident from the documentation supplied. No action was needed to qualify sample data.

**2.1 Completeness Assessment**

All analyses included a summary of the lab blank, calibration check standards, LCS, and MS/MSD results. The required frequency for internal laboratory QC samples and calibration checks were met. All samples collected and indicated on the chain-of-custody form were analyzed. No action was needed to qualify sample data.

**2.2 Compliance Assessment****2.2.1 Holding Time/Preservation**

All samples were analyzed within six months, method required holding time. Verification of sample pH upon receipt/analysis indicated that all samples that required preservation were adequately preserved to  $\text{pH} < 2$ . The sample temperature upon receipt by the lab was acceptable. No action was needed to qualify sample data.

**2.2.2 Calibration**

Initial, continuing, and final check standard recoveries were within the 90-110 % limits. All CRDL check standards were within the method required limits. ICP interference check samples met the 80-120% recovery criteria. No action was needed to qualify sample data.

**2.2.3 Laboratory Blanks**

No detects were reported in the method blank, initial or continuing calibration blanks analyzed with the project sample. No action was needed to qualify sample data.

**2.2.4 Laboratory Control Standard**

An LCS sample at 250 ug/L was analyzed for 6010 metals with every batch of 20 or less project samples. All recoveries and Relative Percent Difference limits established by Pace and found on QAPP worksheet #15 were met for all reported compounds. No action was needed to qualify sample data.

**2.2.5 MS/MSD Sample Recovery and RPD**

The one sample analyzed did not have an MS/MSD. A batch MS/MSD was analyzed. No action was needed to qualify sample data.

## Presto Site Data Validation Technical Memorandum

November 30- December 1, 2023 Sampling Event

**2.2.6 Serial Dilution**

No serial dilution was analyzed on the client sample. No action was needed to qualify sample data.

**2.2.7 Field QC Results**

No field blanks or field duplicates were collected and analyzed for metals one project sample. No action was needed to qualify sample data.

**2.3 Data Usability**

All metals data, as reported by Pace, was acceptable for use in the investigation.

**3.0 VOLATILE ORGANICS DATA BY METHODS 8260B/524.2**

Pace utilized EPA methods 8260B and 524.2 for project sample analysis, as indicated in Table 1. No significant deviations from these reference methods affecting data quality were evident from the documentation received and reviewed.

**3.1 Completeness Assessment**

The required method 8260 and 524.2 frequency for internal laboratory QC samples and calibration checks were met. All samples collected and indicated on the chain-of-custody form were analyzed.

**3.2 Compliance Assessment****3.2.1 Holding Times/Preservation**

All samples were analyzed within the 14-day holding time.

The sample temperature upon receipt by the lab was acceptable as all were received at 2-6°C or "on ice." No action was needed to qualify sample data.

**3.2.2 Initial Calibration and Tuning**

BFB tuning results met method 8260 and, 524.2 criteria as appropriate. No action was needed to qualify sample data.

A seven point initial calibration curve was analyzed on 11/06/23, for method 8260. The 15 percent RSD limit required by method 8260 was met for all reported compounds. No action was needed to qualify sample data.

A nine point initial calibration curve for method 524.2 was analyzed on 12/05/23-12/6/2023. All RSD values for the reported volatile organics were less than the 20 % limit required for method 524.2. No action was needed to qualify sample data.

## Presto Site Data Validation Technical Memorandum

November 30- December 1, 2023 Sampling Event

### 3.2.3 Continuing Calibration

A continuing calibration verification standard (CCV) was analyzed according to methods 8260B and 524.2 every 12 hours. Calibration Check Compounds met the method 8260B limits of < 20 % difference and 524.2 limits of < 30 %. All response factors of reported compounds met data validation criteria. No action was needed to qualify sample data.

### 3.2.4 Laboratory Blanks

No detectable volatile organics above the LOD were present in the lab blanks analyzed with the project samples. No action was needed to qualify sample data.

### 3.2.5 Surrogate Recoveries

All surrogate recoveries were within Pace limits. No action was needed to qualify sample data.

### 3.2.6 Matrix Spike (MS)/Matrix Spike Duplicates (MSD)

The project sample used for method 8260 analyses MS/MSD was EW-6-22. All recoveries and Relative Percent Difference limits established by Pace and found on QAPP worksheet #15 were met for all reported compounds. No action was needed to qualify sample data.

No project sample was specified or analyzed for method 524.2 MS/MSD.

### 3.2.7 Laboratory Control Standard

LCS samples were analyzed with every batch of 20 or less project samples. All recoveries and Relative Percent Difference limits established by Pace and found on QAPP worksheet #15 were met for all 8260 and 524.2 compounds. No action was needed to qualify sample data.

### 3.2.8 Internal Standards

Internal standard areas in project samples were within the method limits of - 50 % to + 100 %. No action was needed to qualify sample data.

### 3.2.9 Field QC Results

Two trip blanks were received with this set of data. No analytes were detected. No action was needed to qualify sample data.

Field duplicates were collected for EW-6 and MW-76A. The calculated Relative Percent Difference (RPD) for the detected volatile organics between the sample and its field duplicate were as follows:

## Presto Site Data Validation Technical Memorandum

November 30- December 1, 2023 Sampling Event

Sample ID	EW-6	EW-6 DUP	RPD	MW-76A	MW-76A Dup	RPD
1,1,1-Trichloroethane	6.2 ug/L	6.8 ug/L	9.2 %	13.1 ug/L	12.3 ug/L	6.2 %
1,1-Dichloroethane	3.2 ug/L	2.6 ug/L	20 %	2.0 ug/L	1.9 ug/L	5.1 %
Tetrachloroethene	0.90 J ug/L	1.2 ug/L	29 %	0.56 J ug/L	0.47 J ug/L	17 %
Trichloroethene	2.6 ug/L	2.6 ug/L	0 %	1.8 ug/L	1.7 ug/L	5.7 %

All RPD values at or above the reporting limit were within 50% as specified on QAPP Worksheet #12. No data will be qualified based on field duplicate data.

### 3.3 Data Usability

All volatile data, as reported by Pace, was acceptable for use in the investigation.

If you have any questions regarding the qualification of data or the data validation process/criteria used, please contact me at (512)970-4608.

Attachments:

Table 1  
Validated Analytical Reports (hard copy)  
cc: Gannett Fleming, Inc.

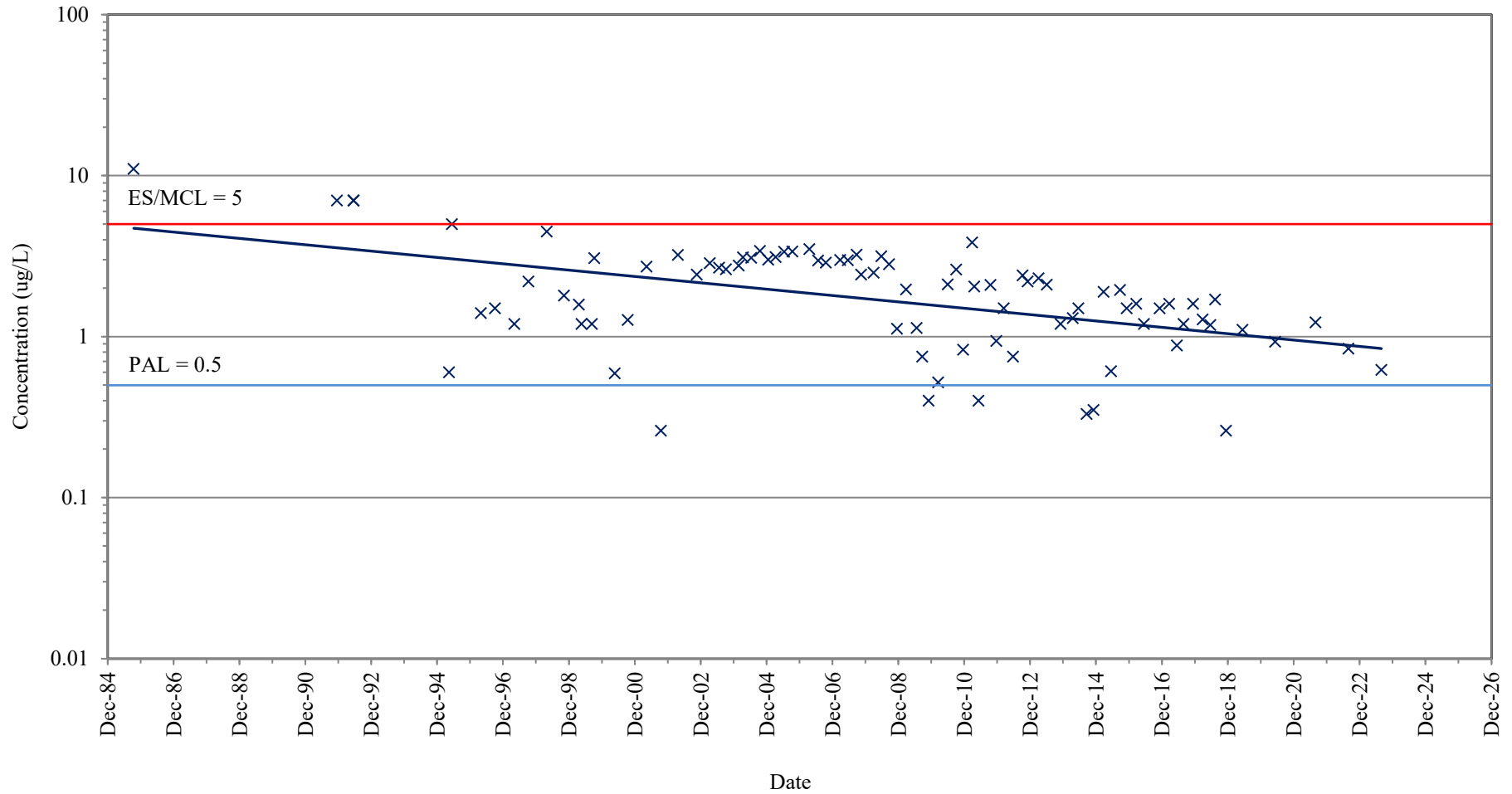


**Table 1 Sample Results Validated December 2023**

	Volatiles	Volatiles	Dissolved
	SW846	524.2	Cadmium
SAMPLE ID	8260B		6010
EW-6	✓		
EW-6 DUP	✓		
EW-6-22	✓		
MH-18	✓		
MW-4A	✓		
MW-4B	✓		
MW-10A			✓
MW-34A	✓		
MW-70A	✓		
MW-76A	✓		
MW-76A DUP	✓		
MW-76B	✓		
MW-77A	✓		
MW-77B	✓		
MW-77C	✓		
RW-2A	✓		
RW-2B	✓		
RW-2C	✓		
TRIP BLANK	✓		
Finished Water		✓	
TRIP BLANK		✓	
<b>Total</b>	<b>18</b>	<b>2</b>	<b>1</b>

**APPENDIX D**

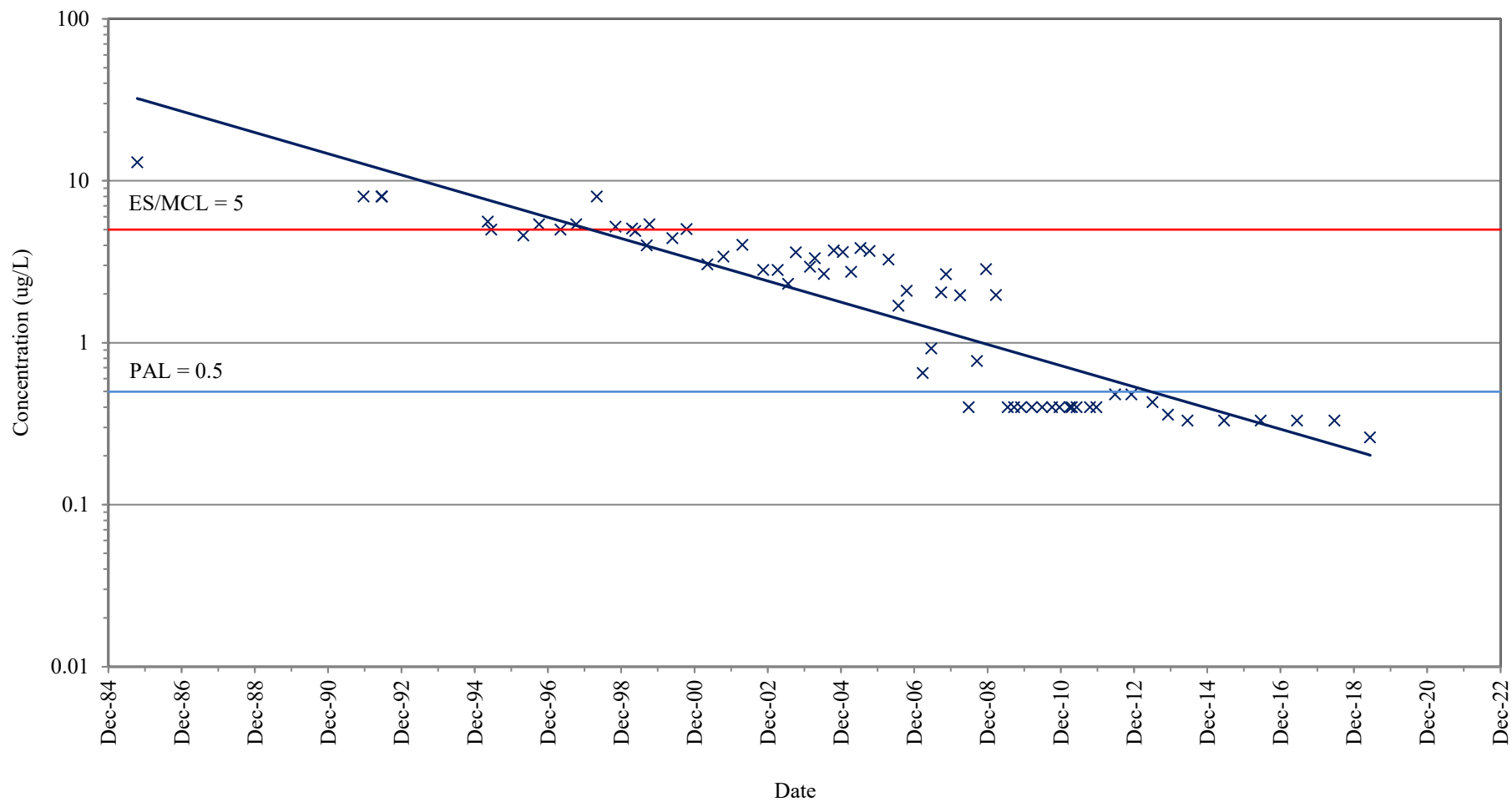
**TCE CONCENTRATION VERSUS TIME GRAPHS**  
**FORMER PLUME 1/2 (SOUTHWEST CORNER TO THE ECMWF)**



Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS**  
**EC-1 (GRID COORDINATE C7)**

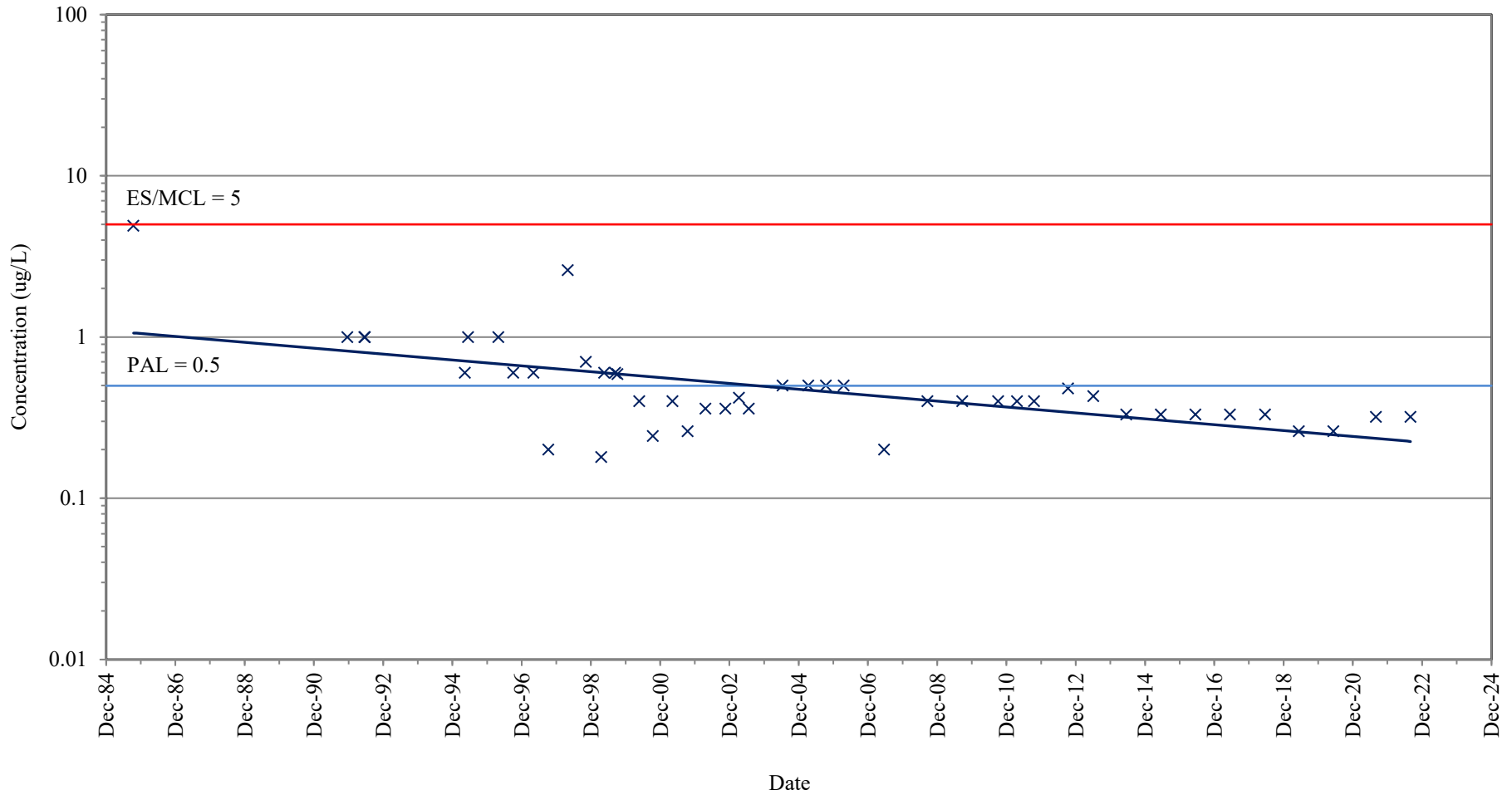
NATIONAL PRESTO INDUSTRIES, INC.  
EAU CLAIRE, WISCONSIN



Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS**  
**EC-2 (GRID COORDINATE C7)**

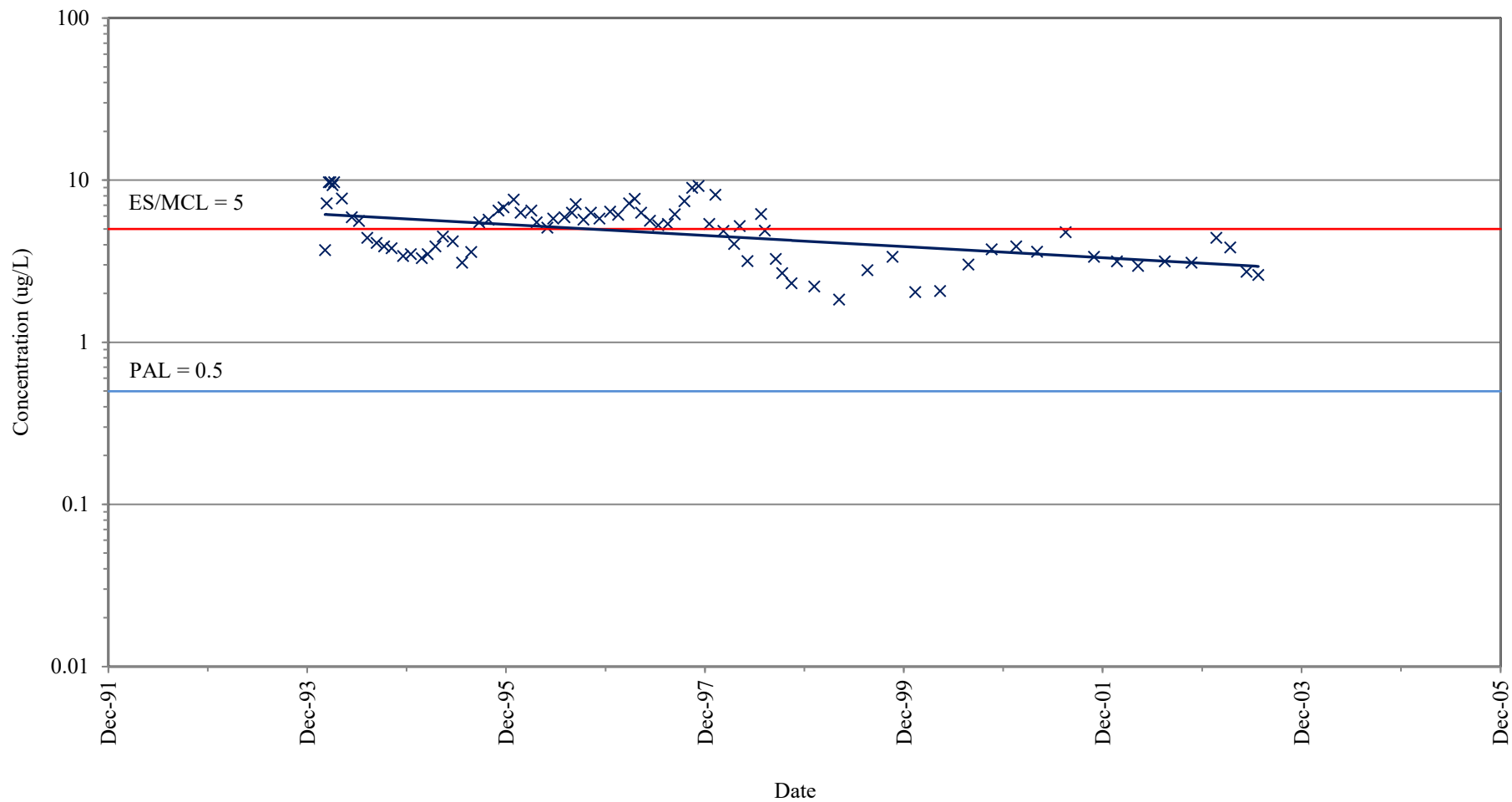
NATIONAL PRESTO INDUSTRIES, INC.  
EAU CLAIRE, WISCONSIN



Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS**  
**EC-6 (GRID COORDINATE C7)**

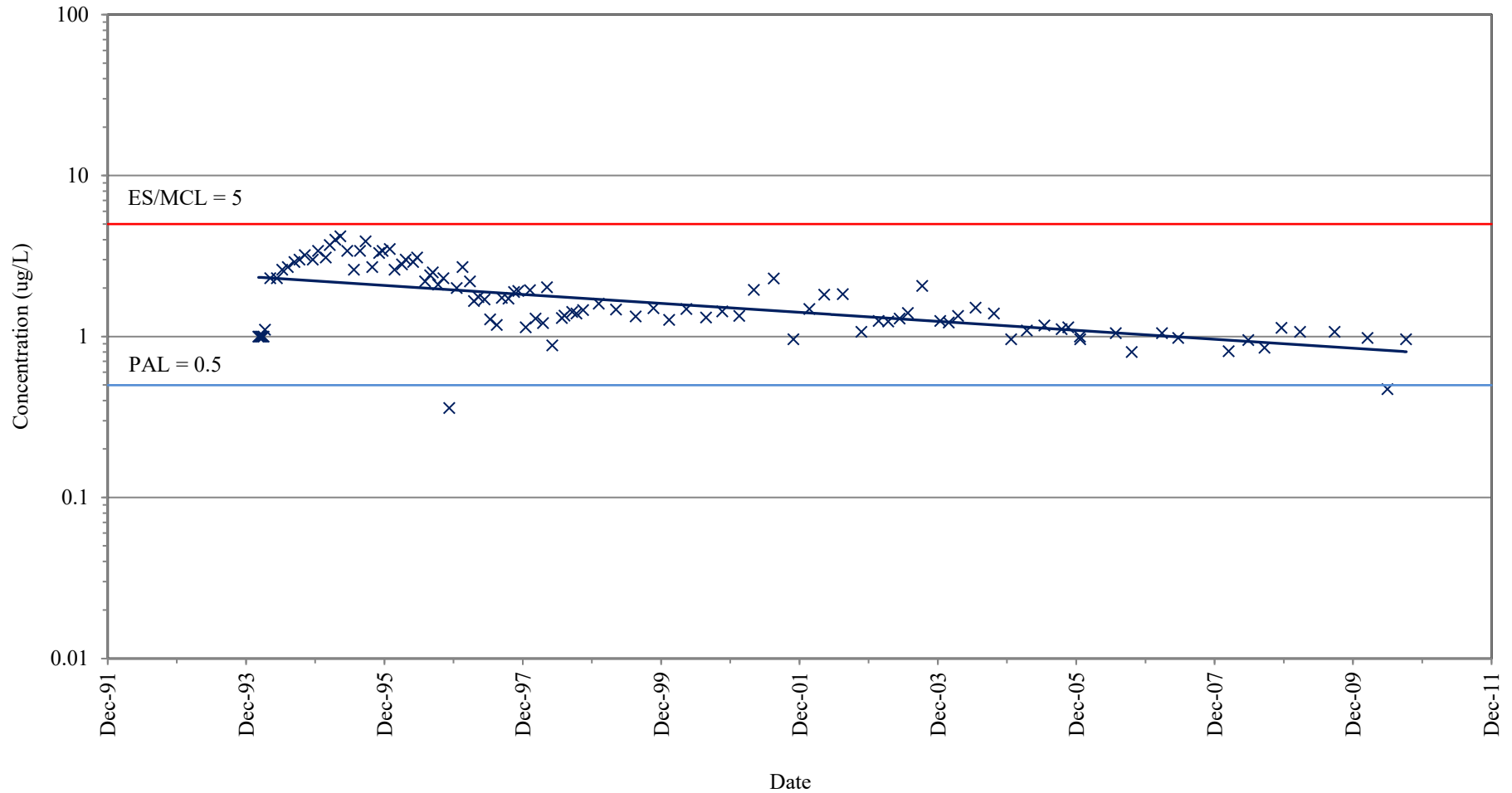
NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN



Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS**  
**EW-3 (GRID COORDINATE K8)**

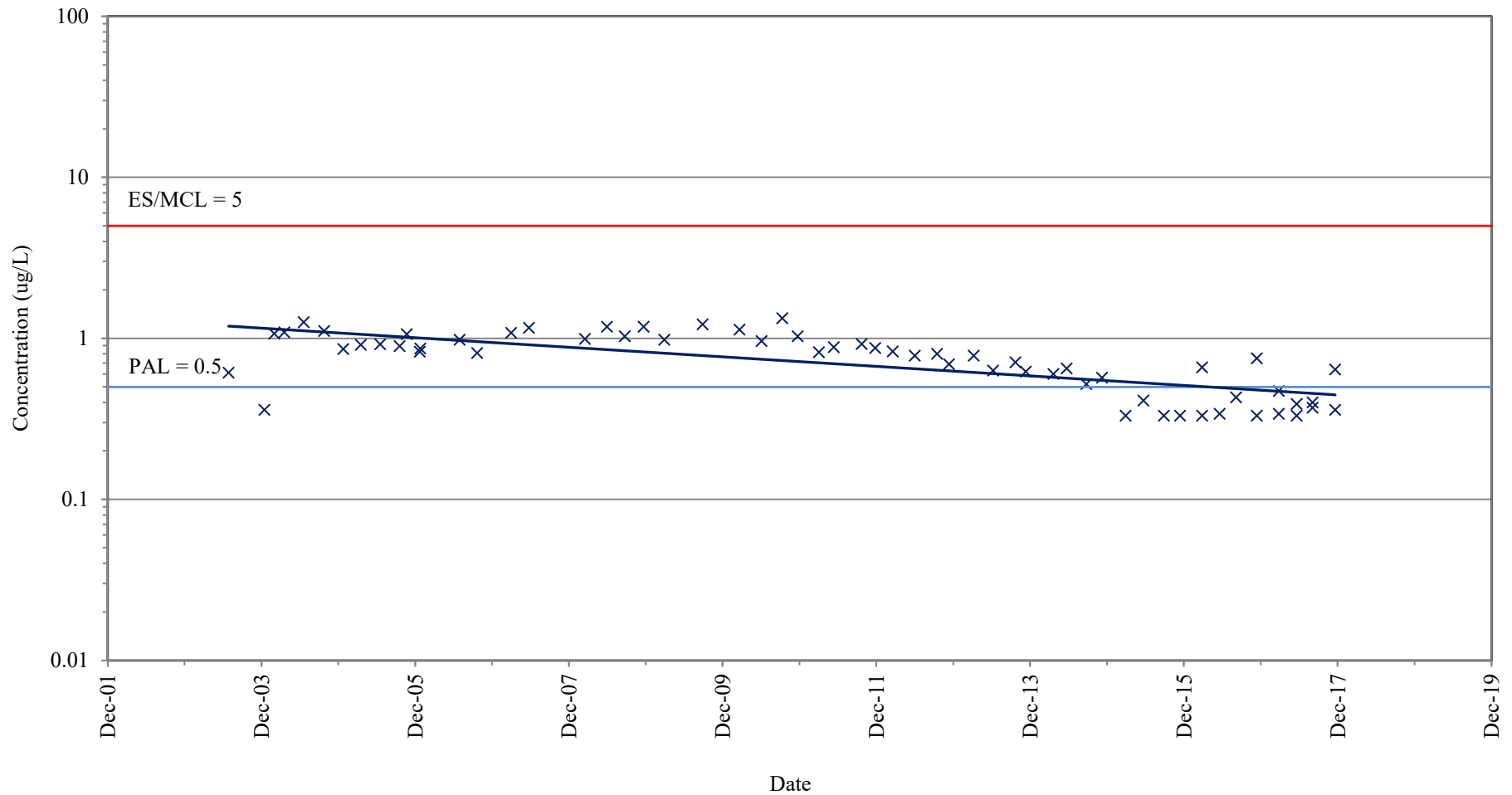
NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN



Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS**  
**EW-4 (GRID COORDINATE K7)**

NATIONAL PRESTO INDUSTRIES, INC.  
EAU CLAIRE, WISCONSIN

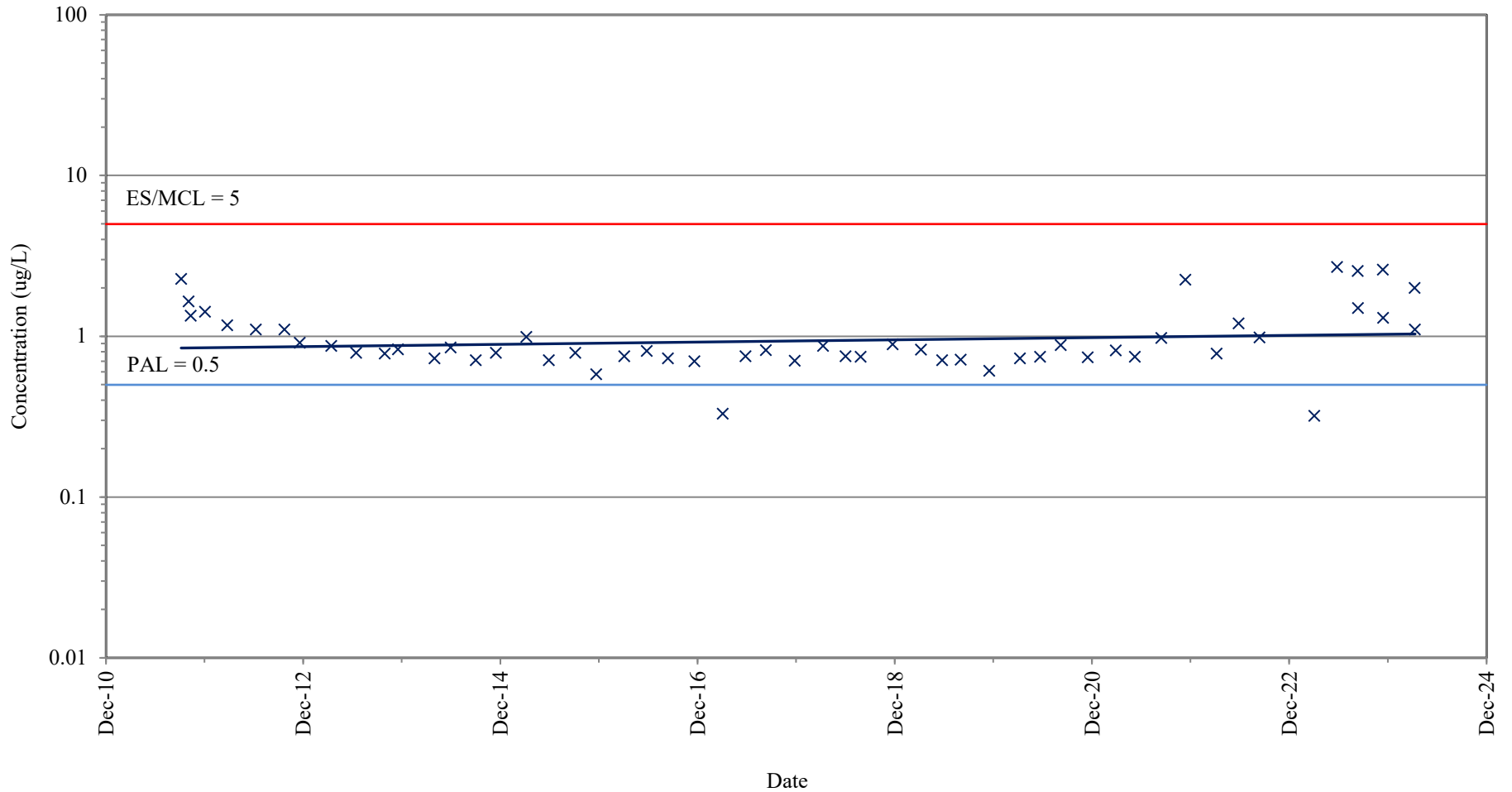


Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS**  
**EW-5 (GRID COORDINATE K7)**

NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN

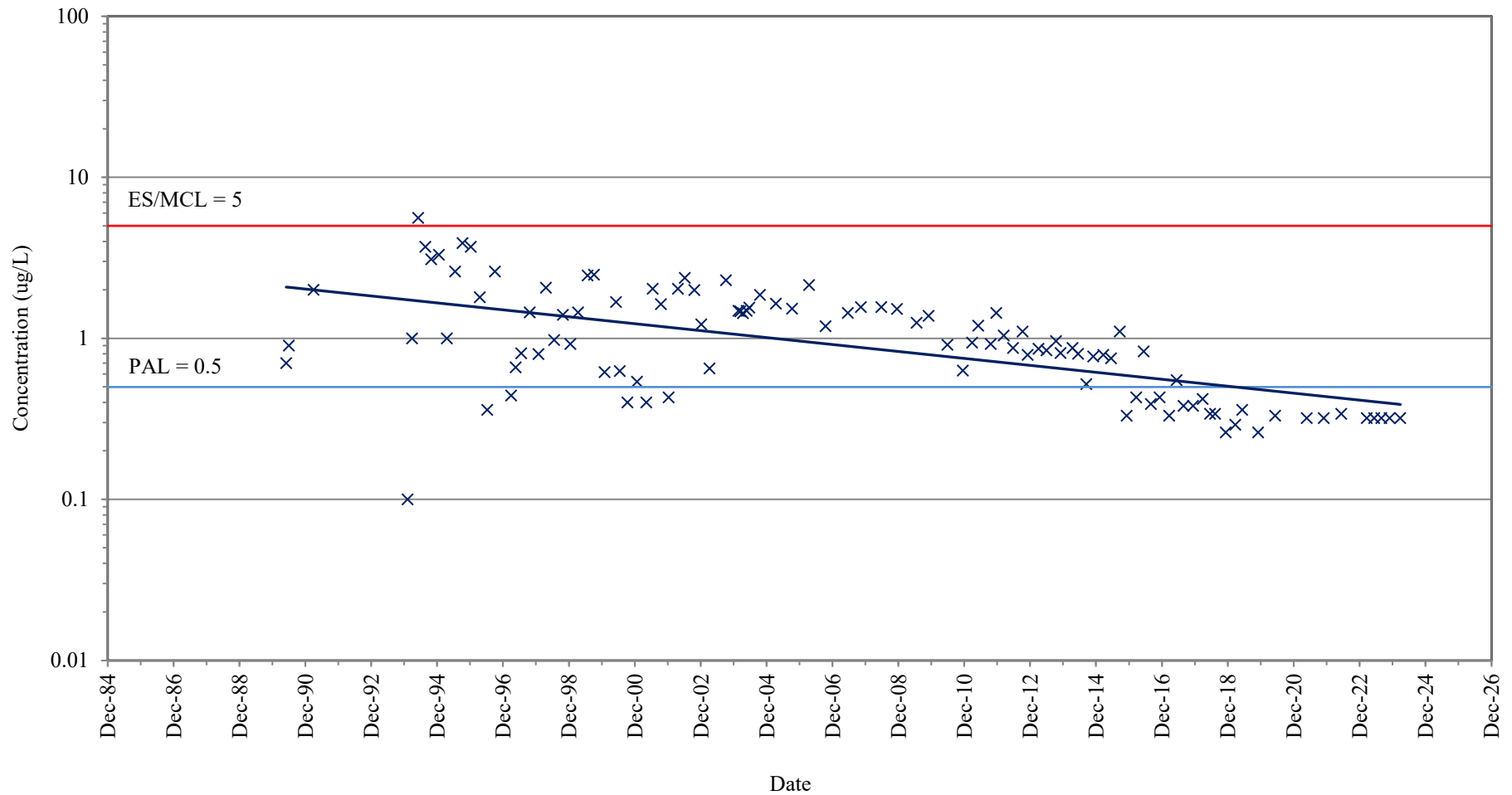




Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel. EW-6 was offline 01/16/17-04/27/17, 09/01/21-01/17/22, and since 02/23/23 for trial shut downs, as approved by both agencies.

PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS  
EW-6 (GRID COORDINATE K7)

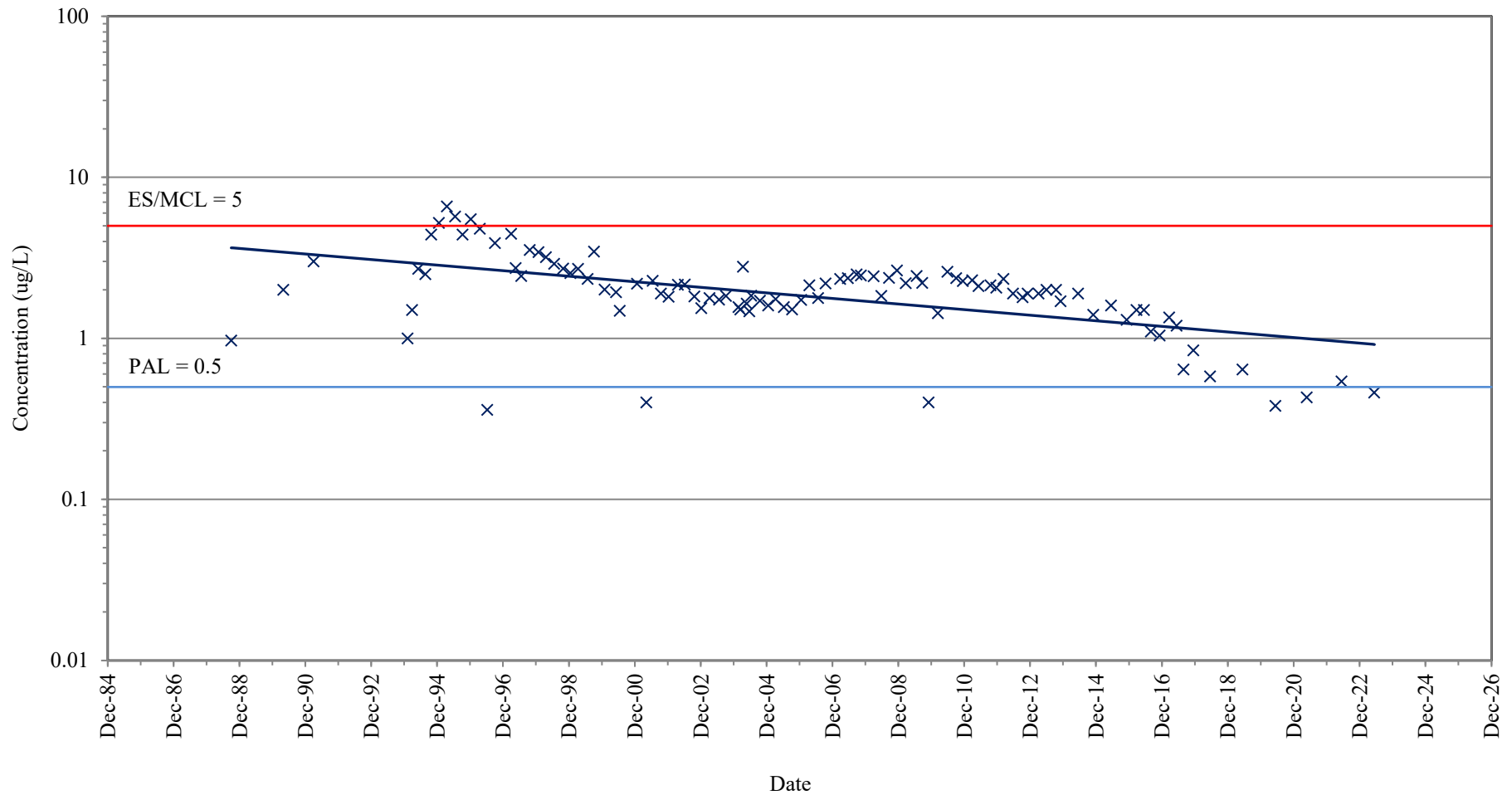
NATIONAL PRESTO INDUSTRIES, INC.  
EAU CLAIRE, WISCONSIN



Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS**  
**MW-4B (GRID COORDINATE K7)**

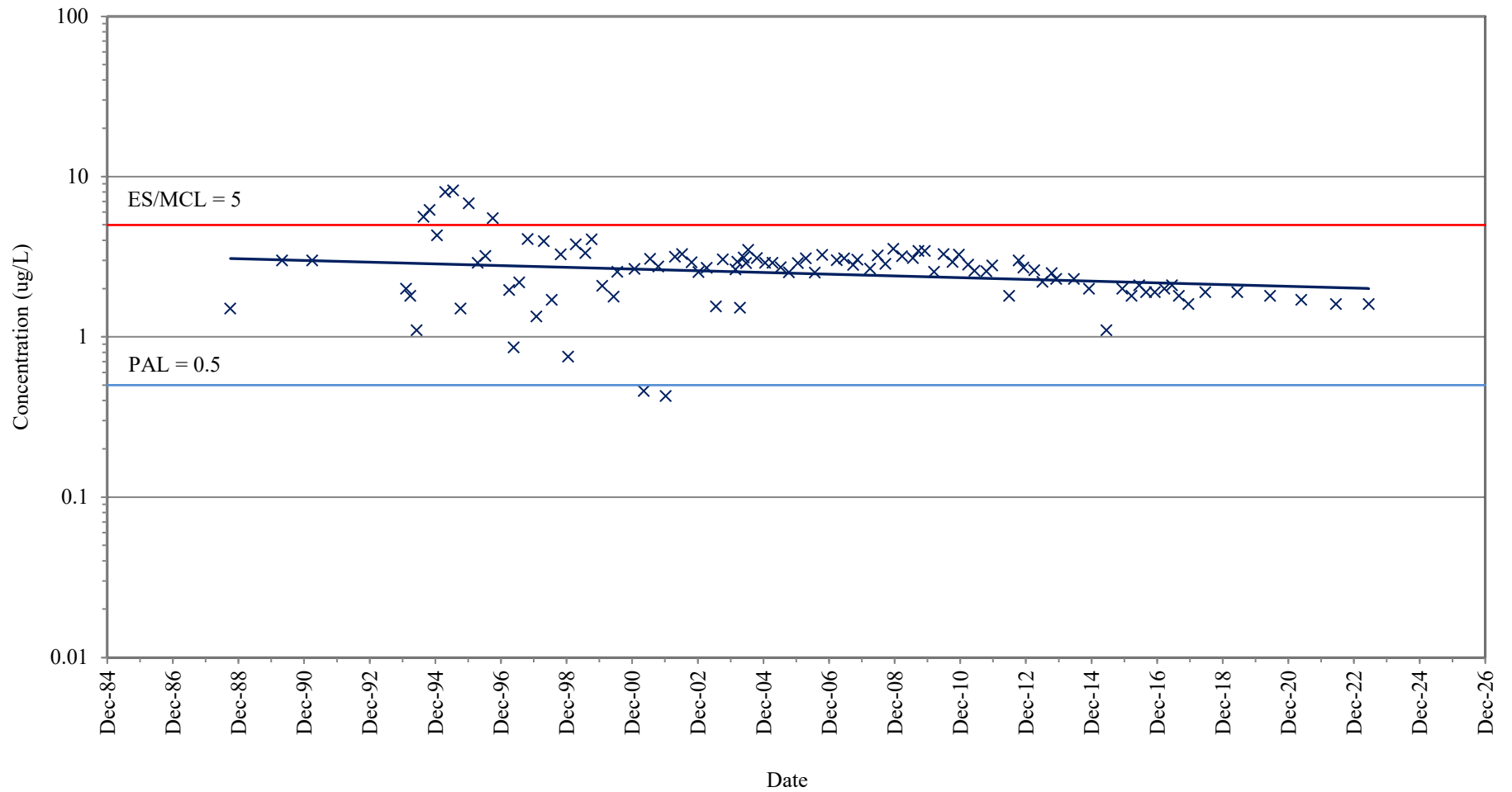
NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN



Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS**  
**MW-23A (GRID COORDINATE J7)**

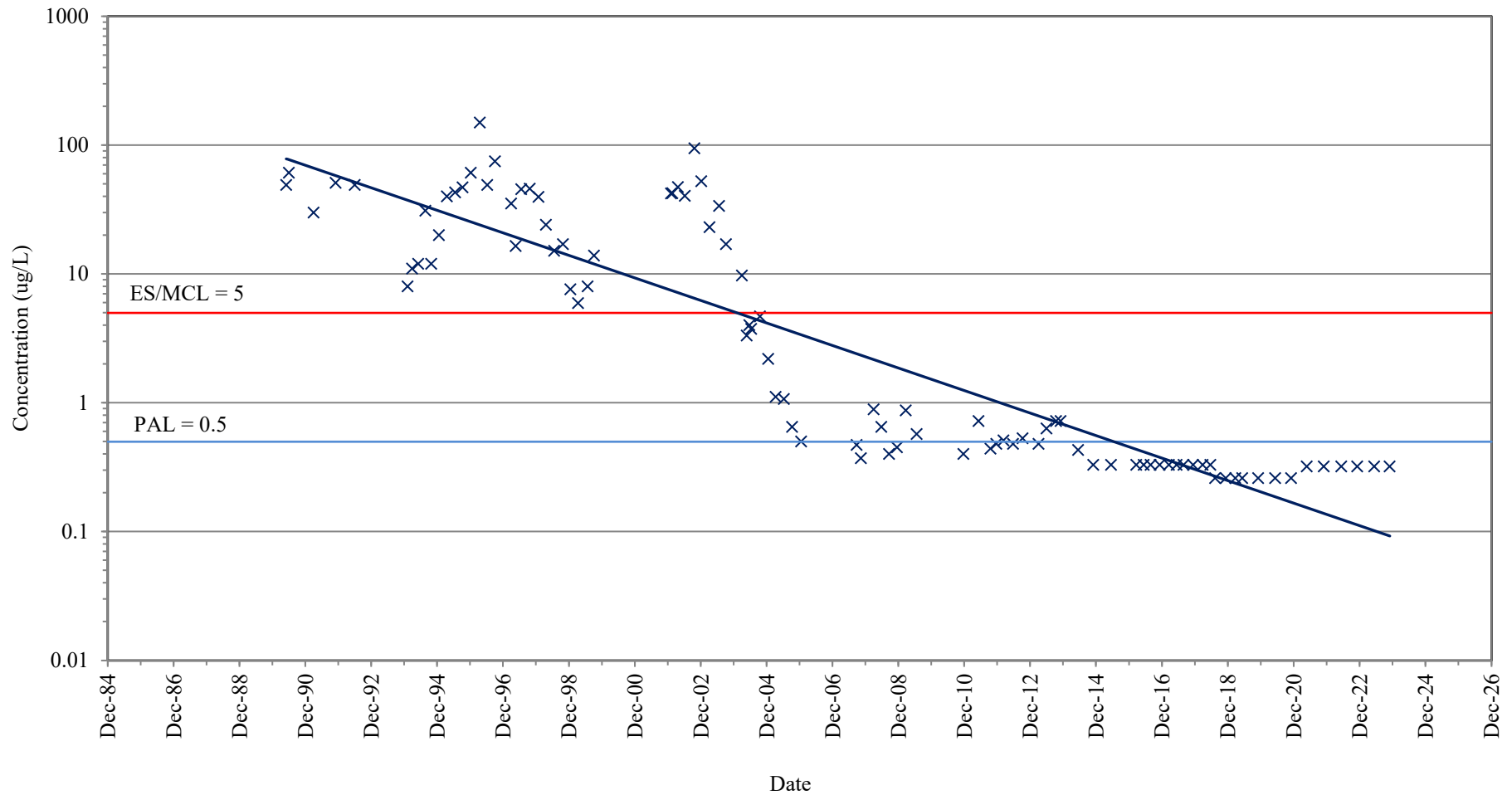
NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN



Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS**  
**MW-23B (GRID COORDINATE J7)**

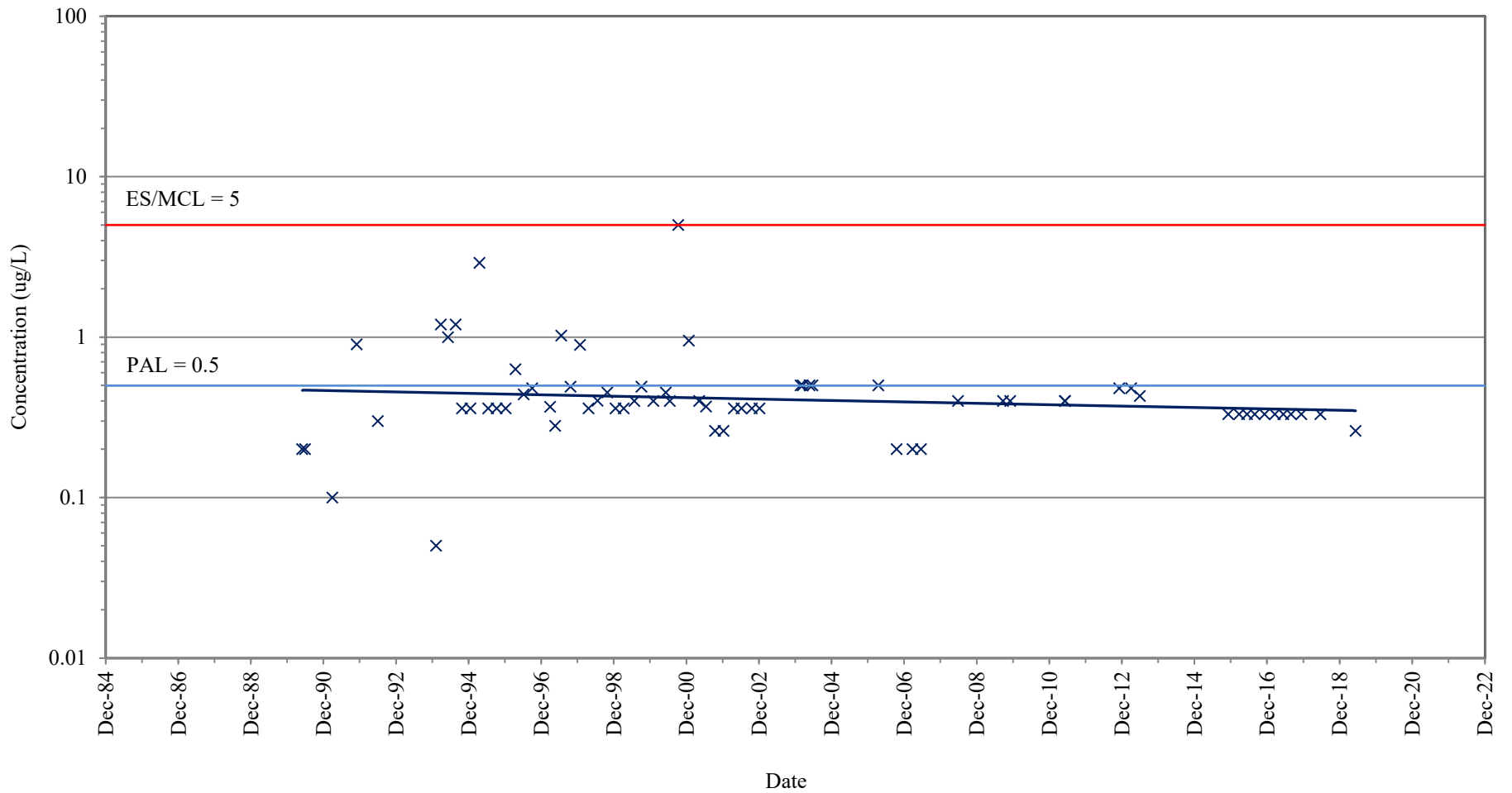
NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN



Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS**  
**MW-34A (GRID COORDINATE K8)**

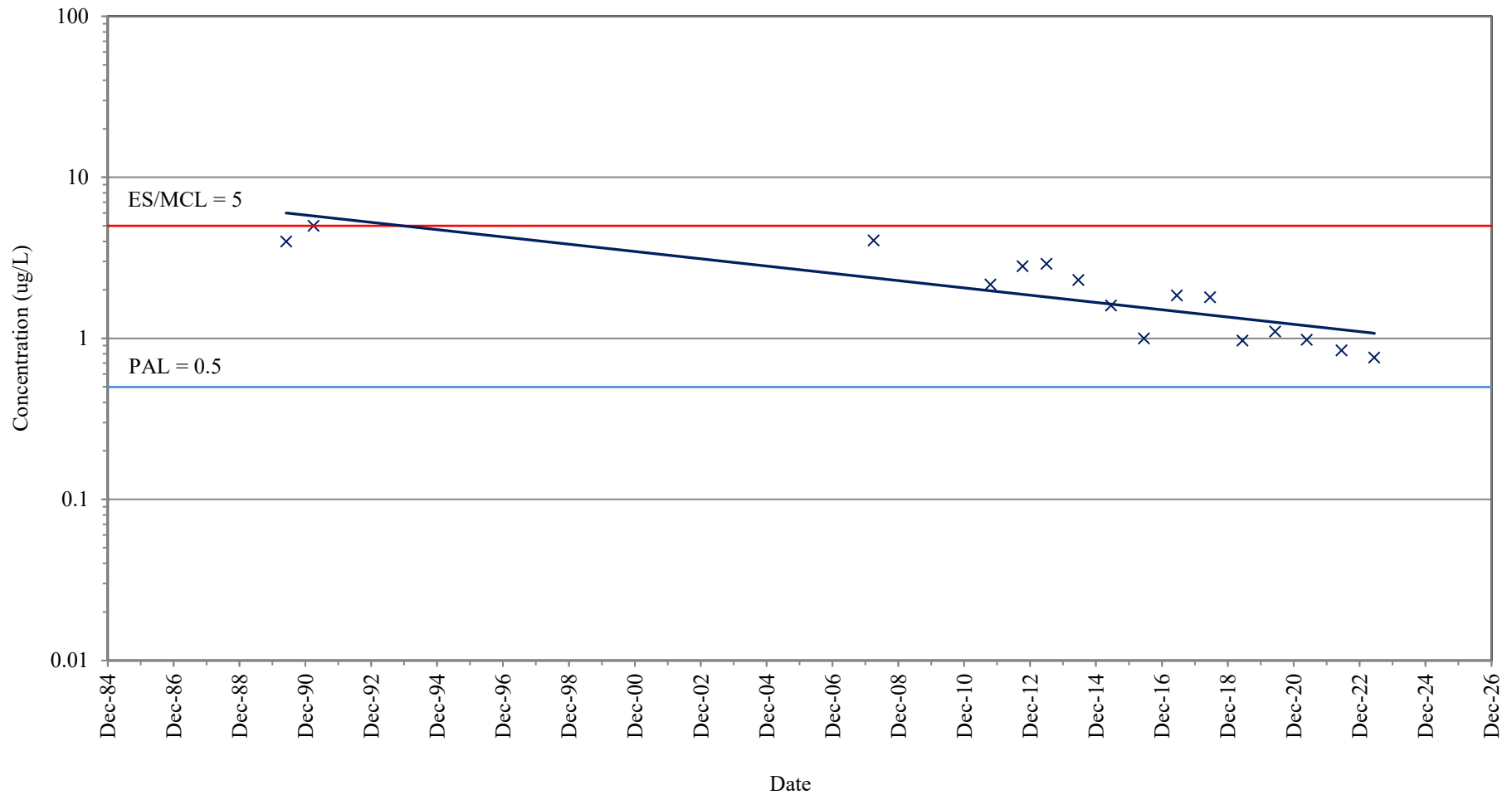
NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN



Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS**  
**MW-34B (GRID COORDINATE K8)**

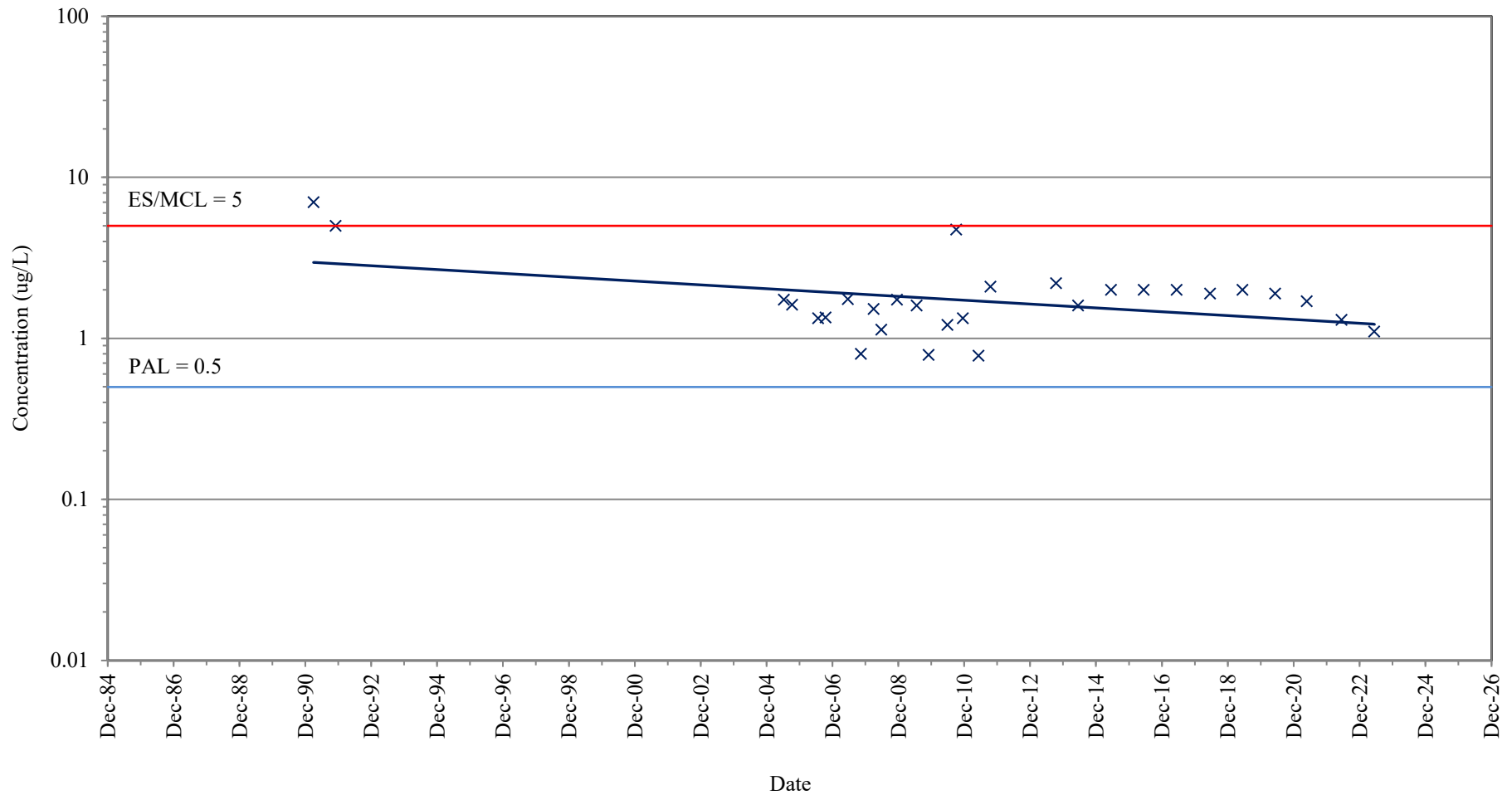
NATIONAL PRESTO INDUSTRIES, INC.  
EAU CLAIRE, WISCONSIN



Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS**  
**MW-35A (GRID COORDINATE K7)**

NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN

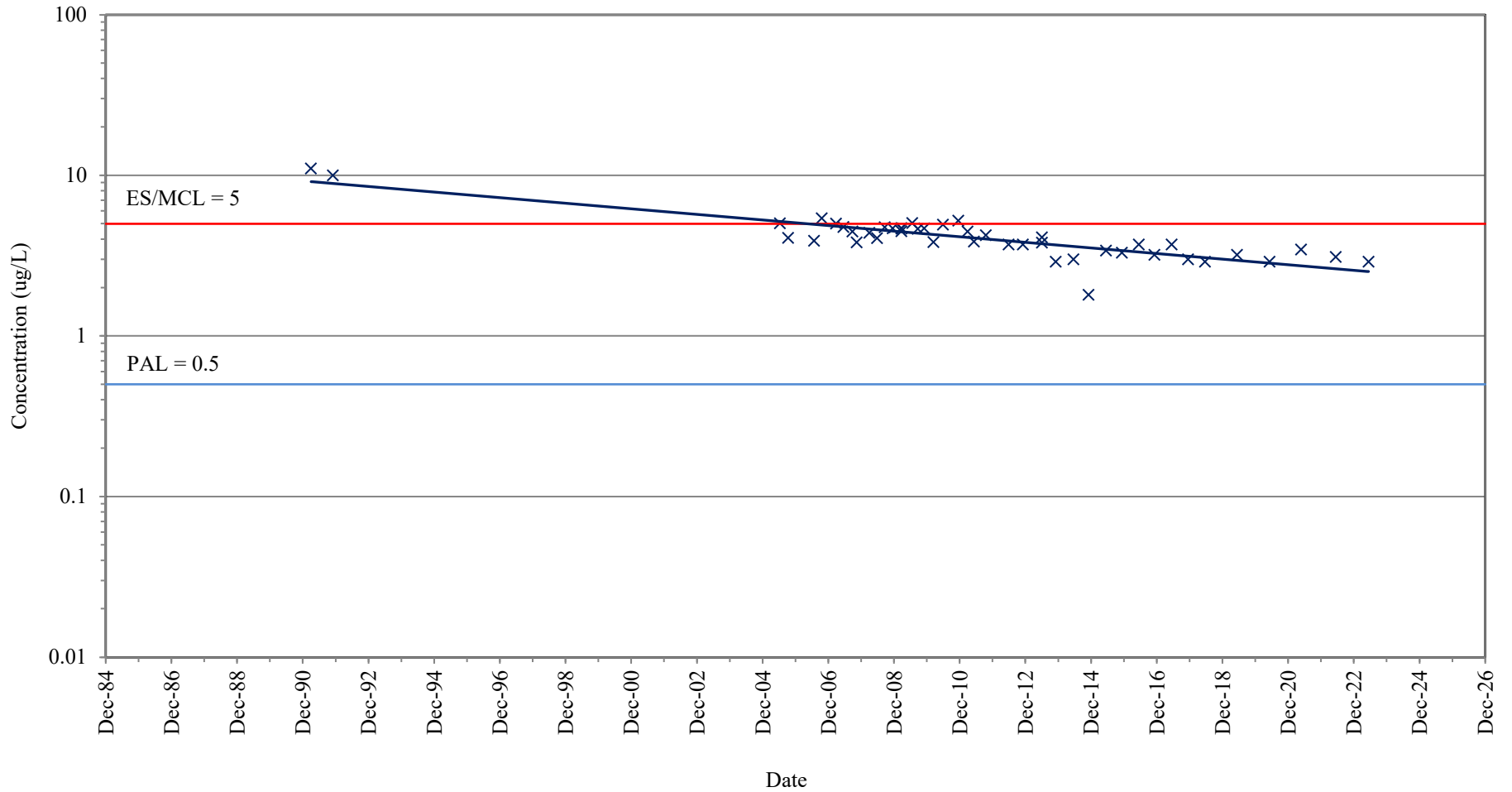


Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS**  
**MW-38A (GRID COORDINATE I8)**

NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN

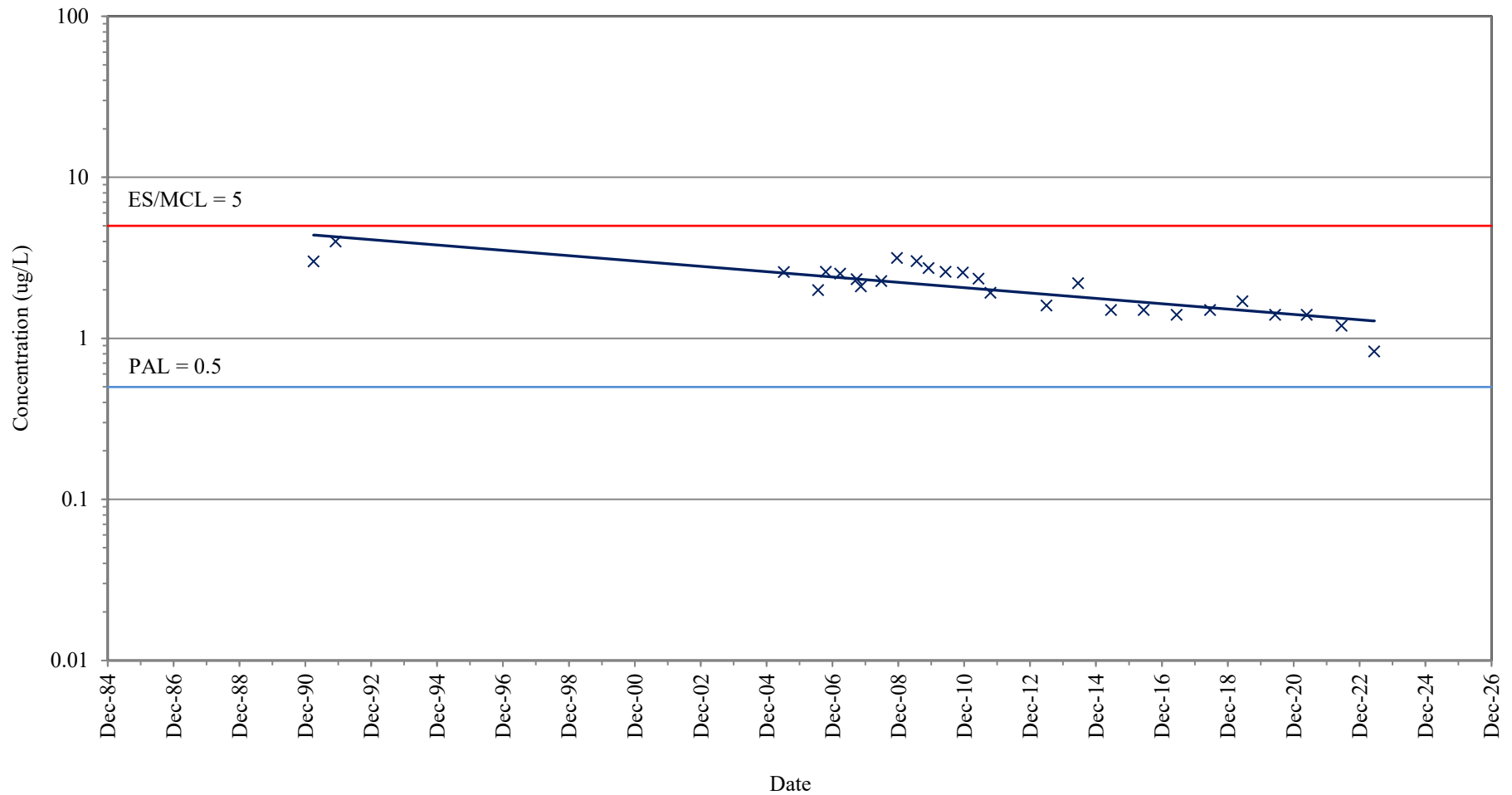




Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS**  
**MW-38B (GRID COORDINATE I8)**

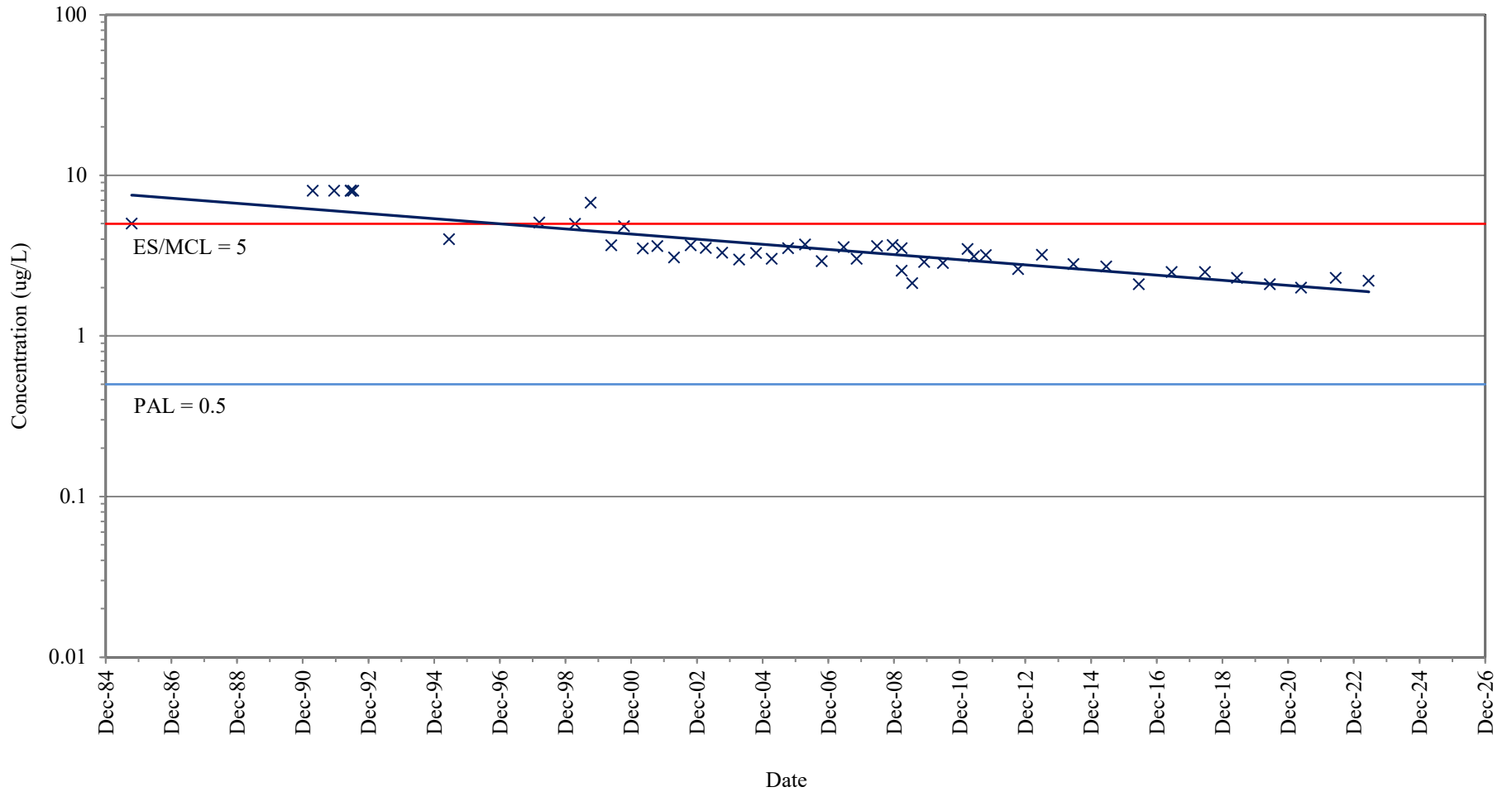
NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN



Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS**  
**MW-38C (GRID COORDINATE I8)**

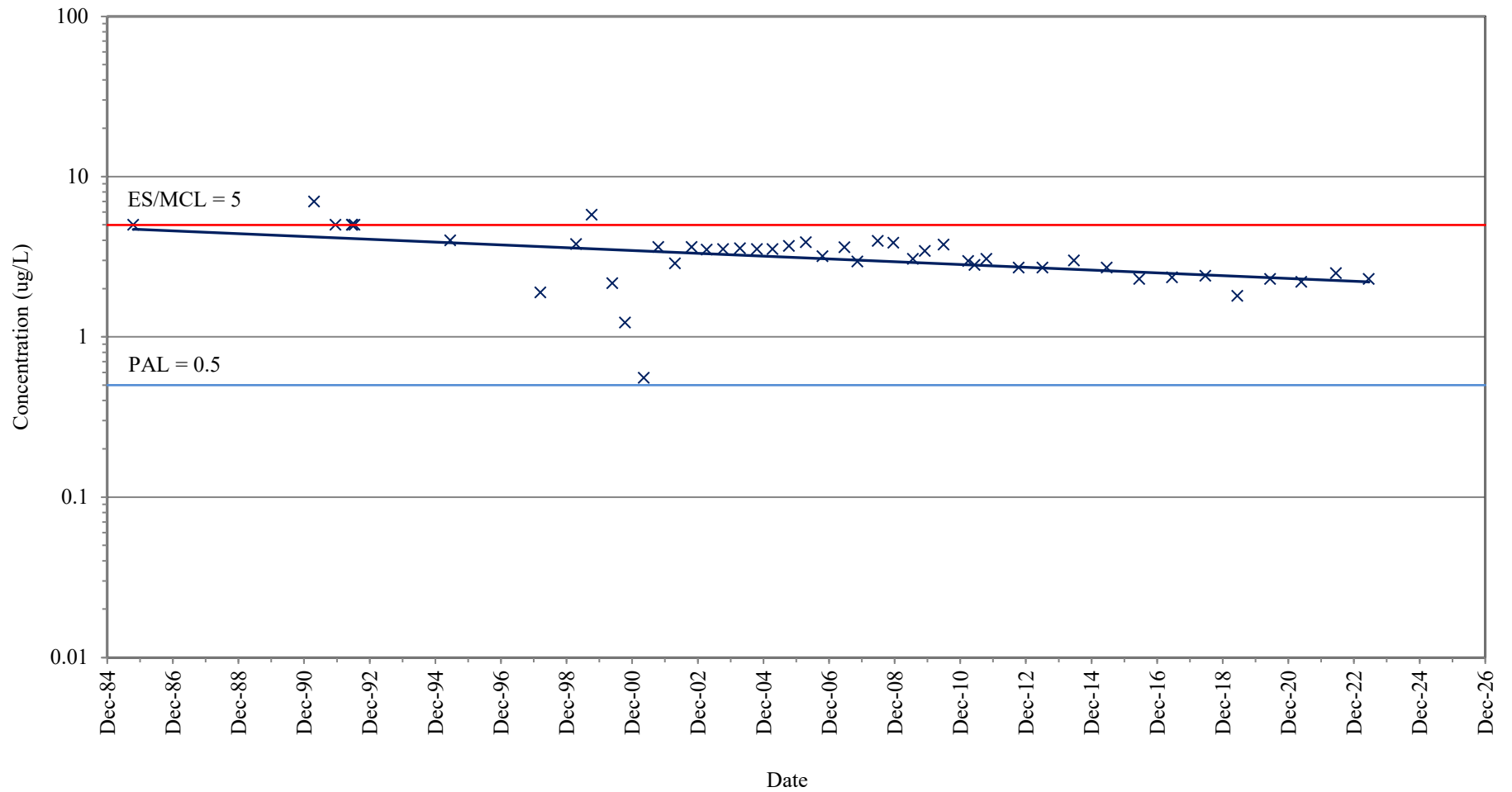
NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN



Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS**  
**MW-41A (GRID COORDINATE H8)**

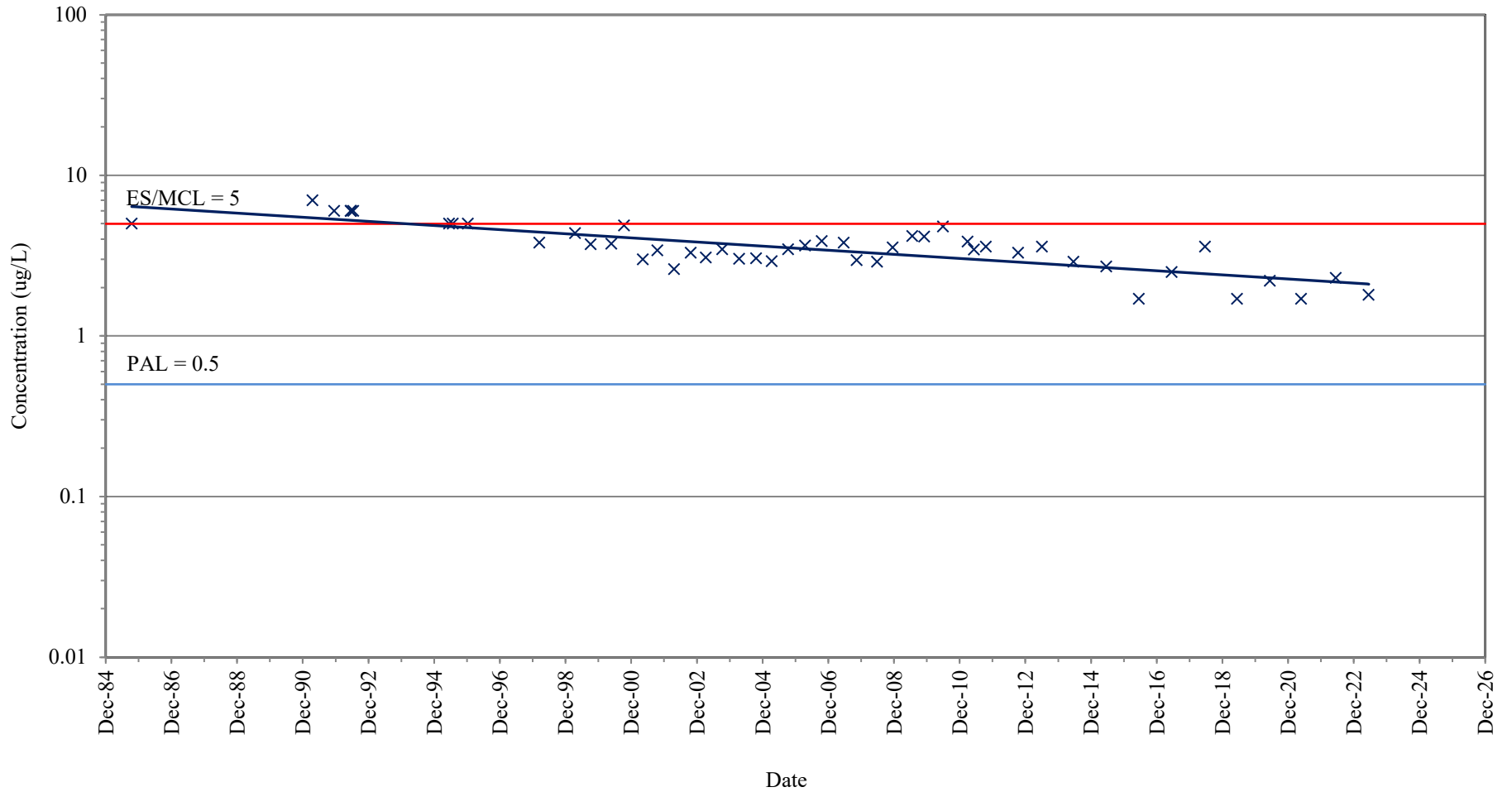
NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN



Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS**  
**MW-41B (GRID COORDINATE H8)**

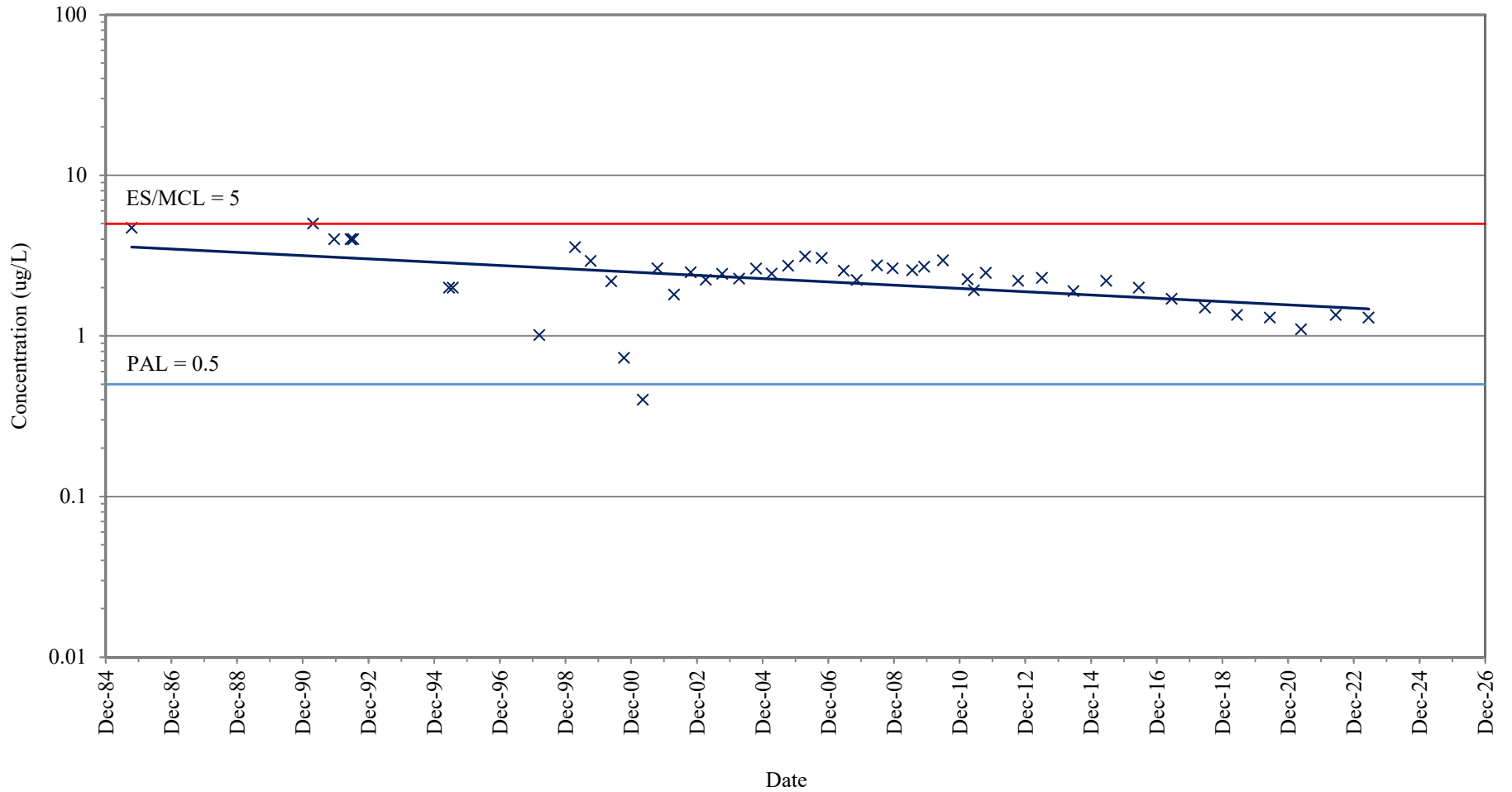
NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN



Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS**  
**MW-43A (GRID COORDINATE H7)**

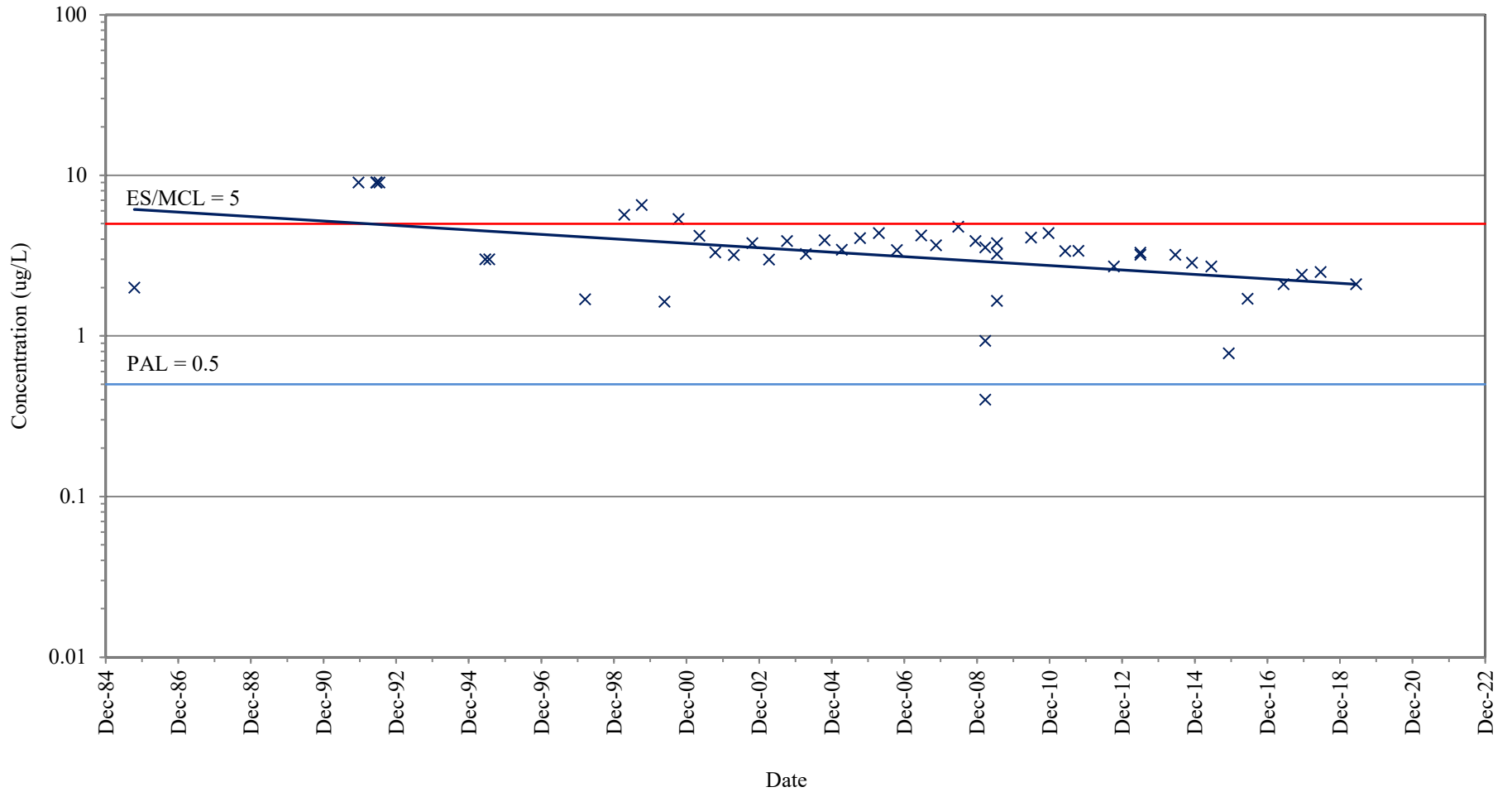
NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN



Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS**  
**MW-43B (GRID COORDINATE H7)**

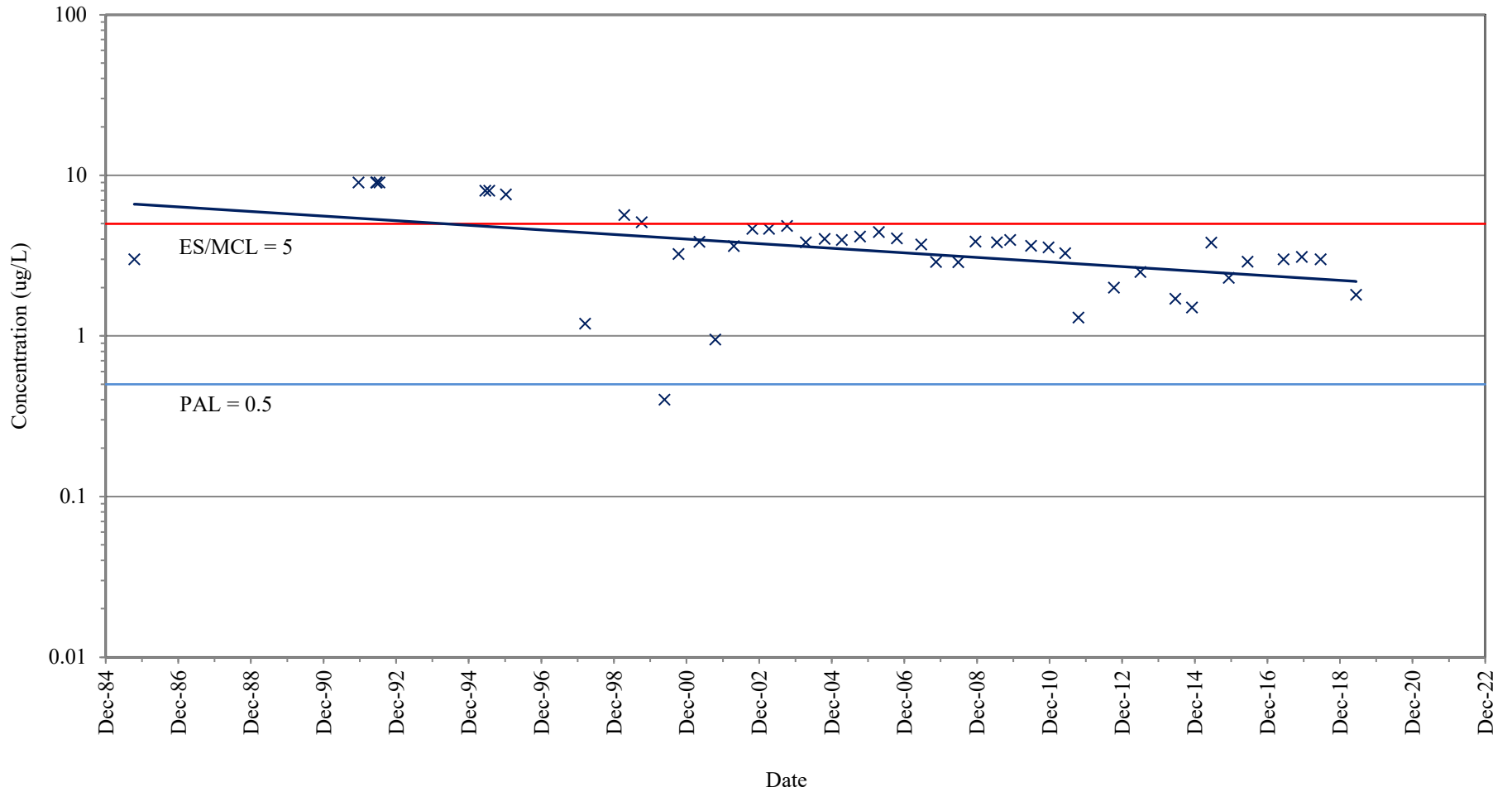
NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN



Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS**  
**MW-45B (GRID COORDINATE F6)**

NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN

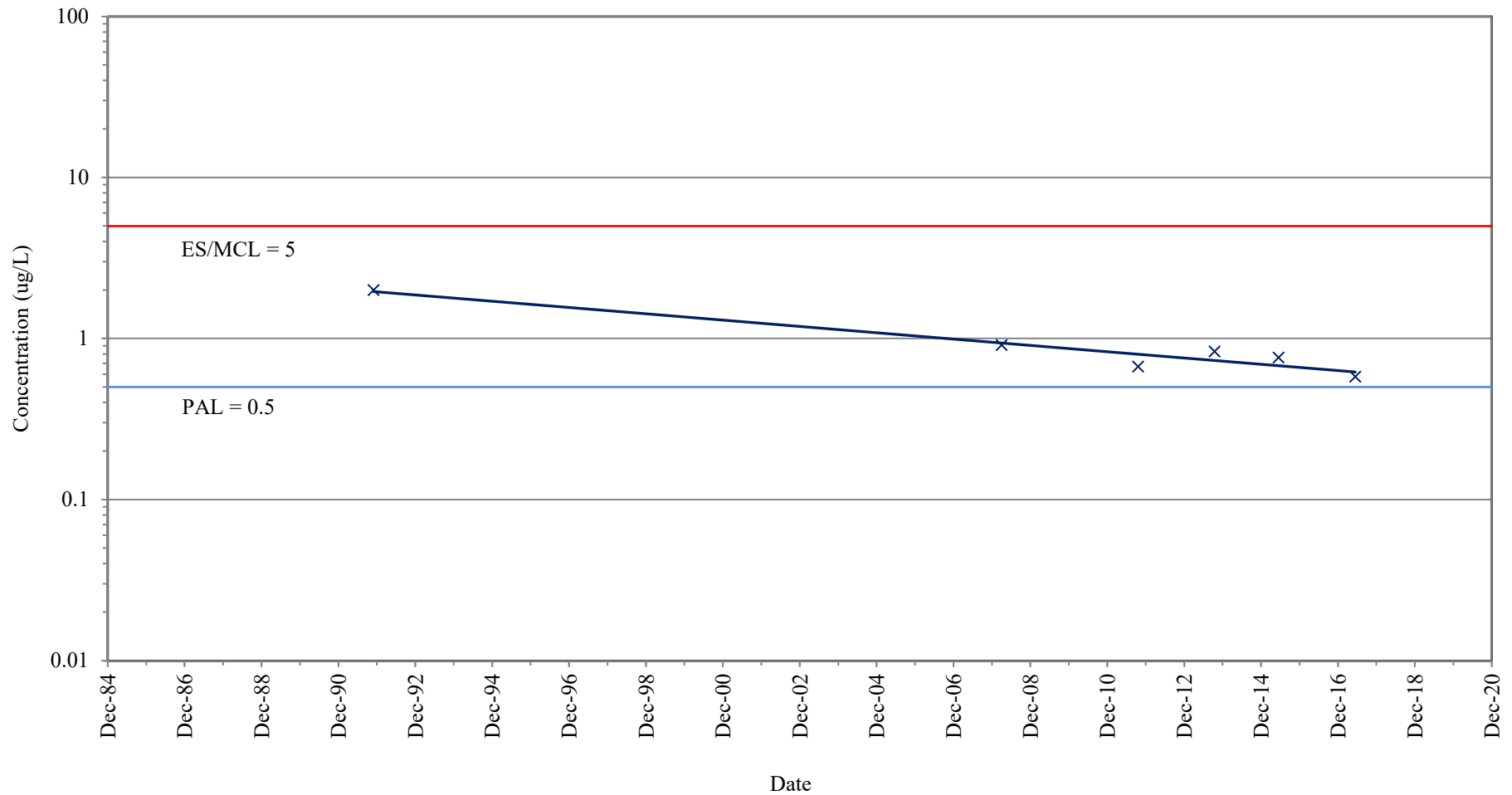


Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS**  
**MW-45C (GRID COORDINATE F6)**

NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN

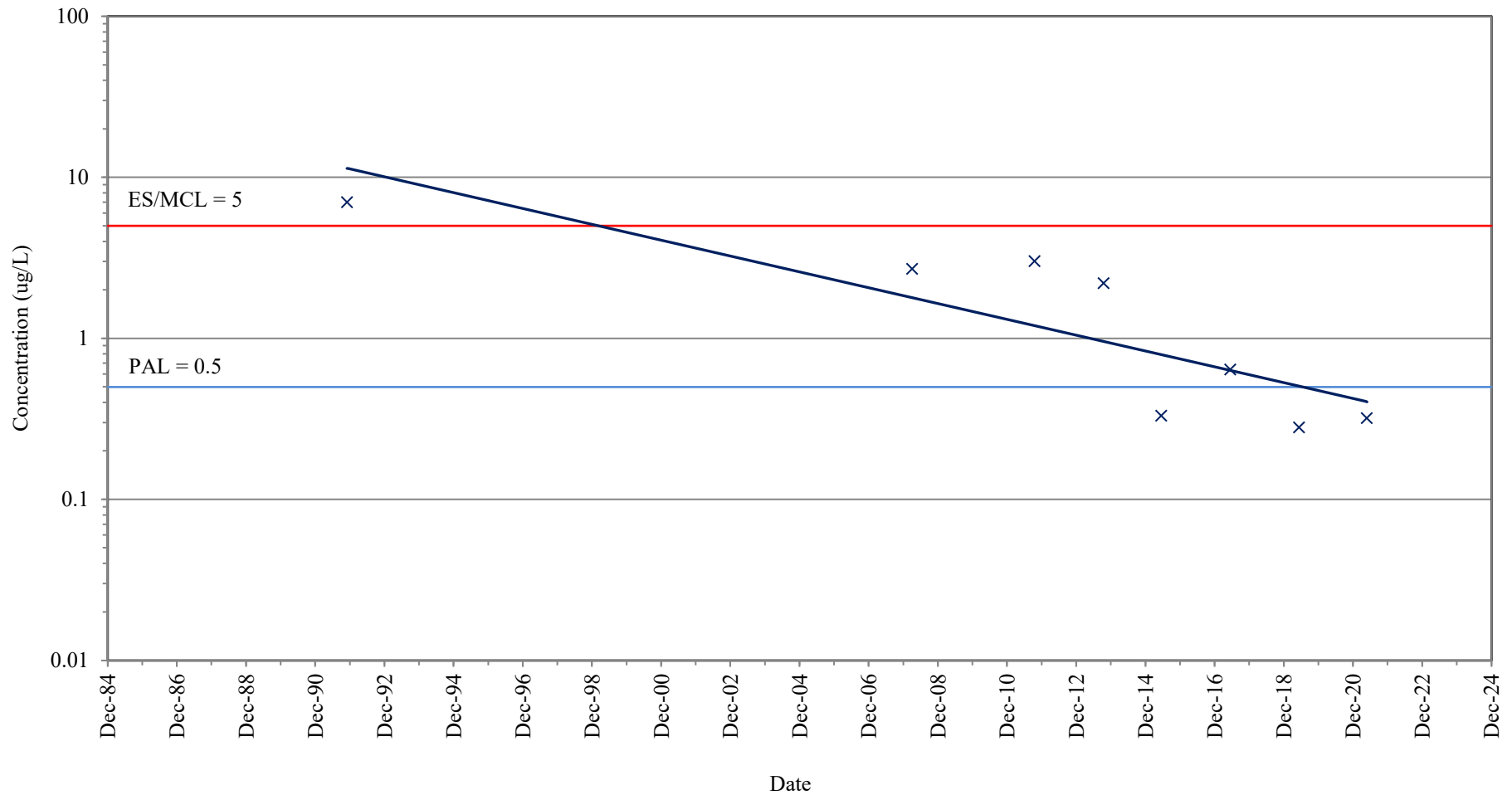




Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS**  
**MW-47A (GRID COORDINATE G7)**

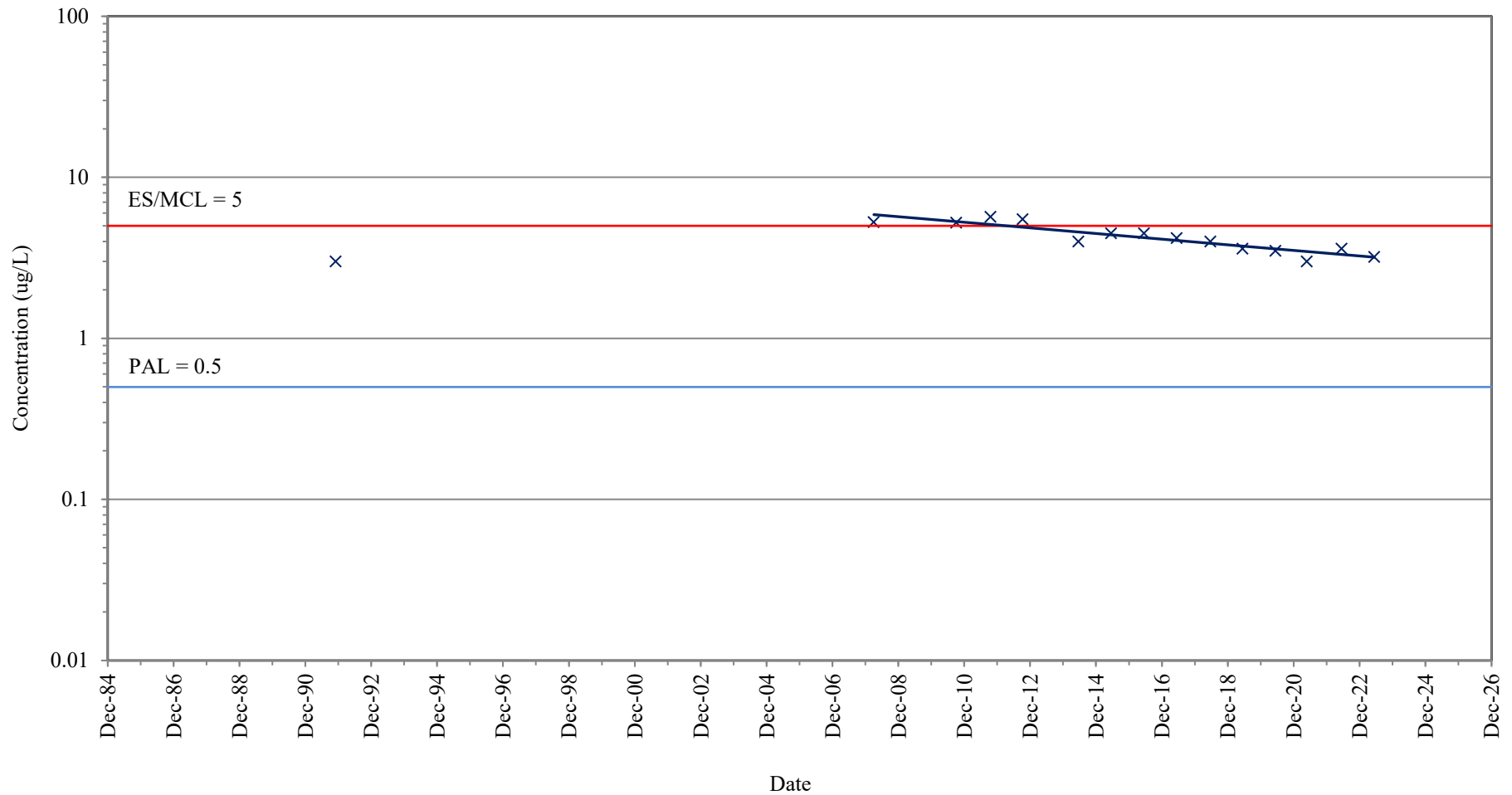
NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN



Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS**  
**MW-51A (GRID COORDINATE F6)**

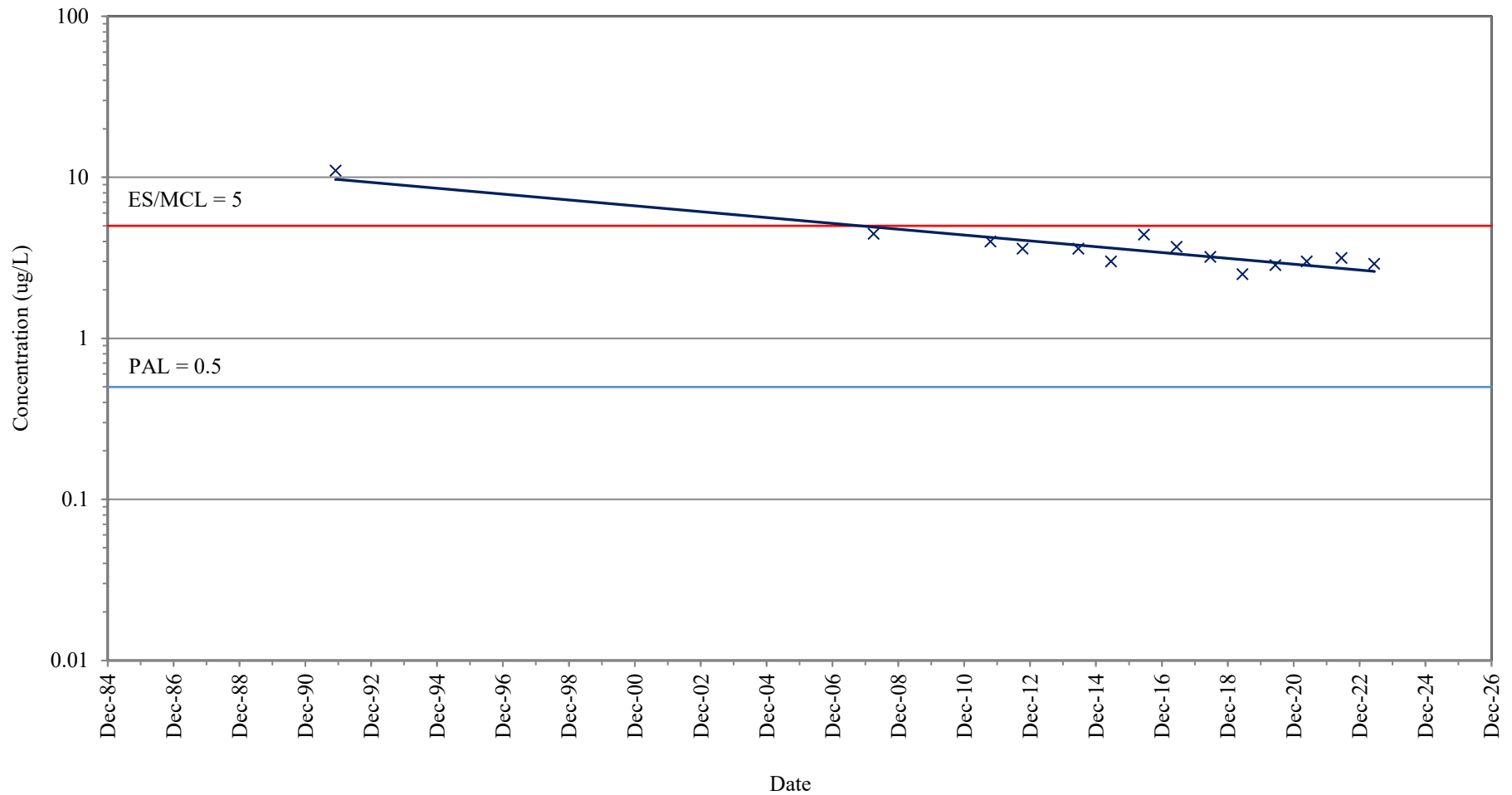
NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN



Note: The best-fit exponential trend line generated using Excel evaluates a partial data set to focus on a "more representative" sample cluster.

**PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS**  
**MW-51B (GRID COORDINATE F6)**

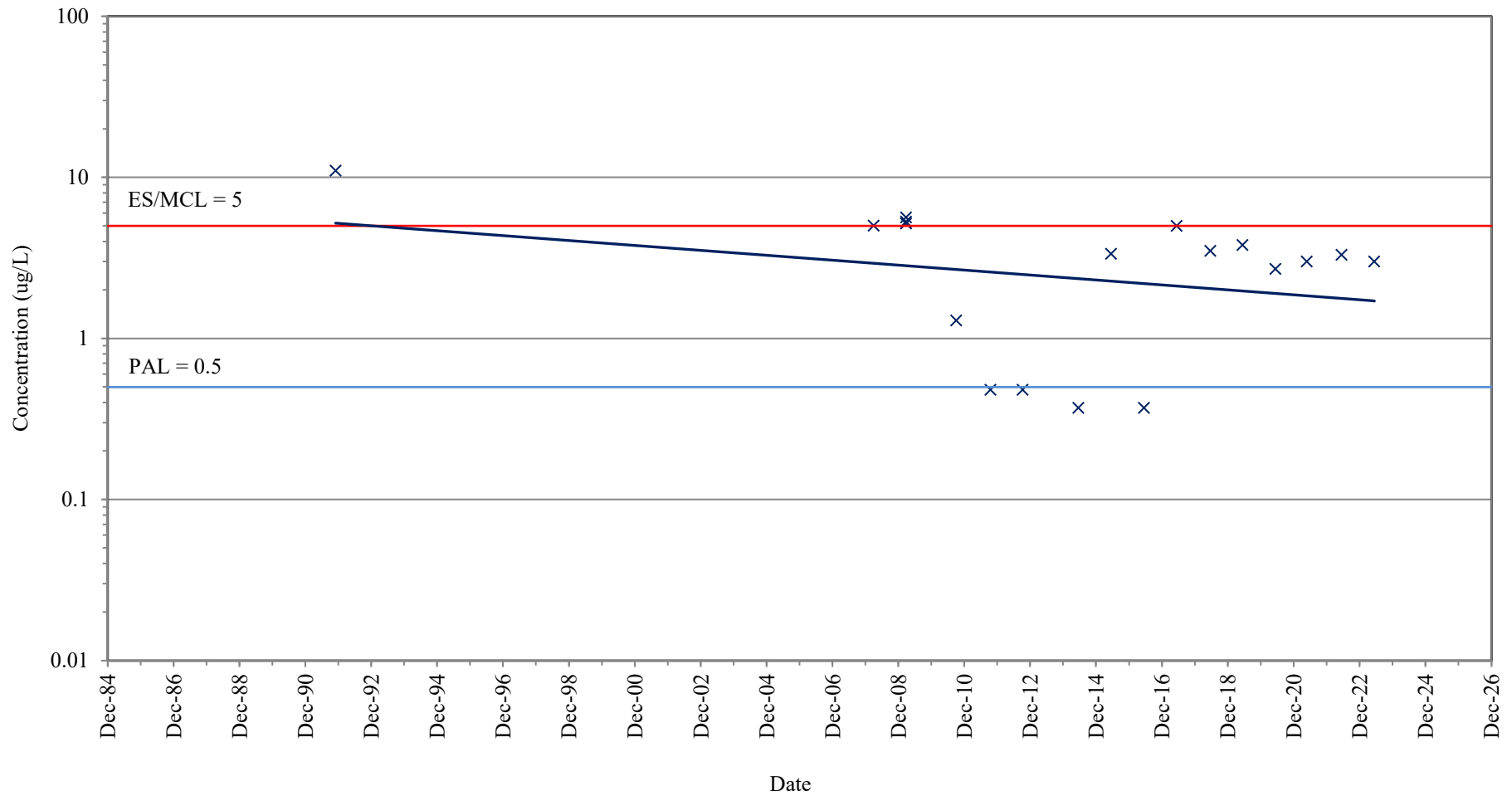
NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN



Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS**  
**MW-52A (GRID COORDINATE F6)**

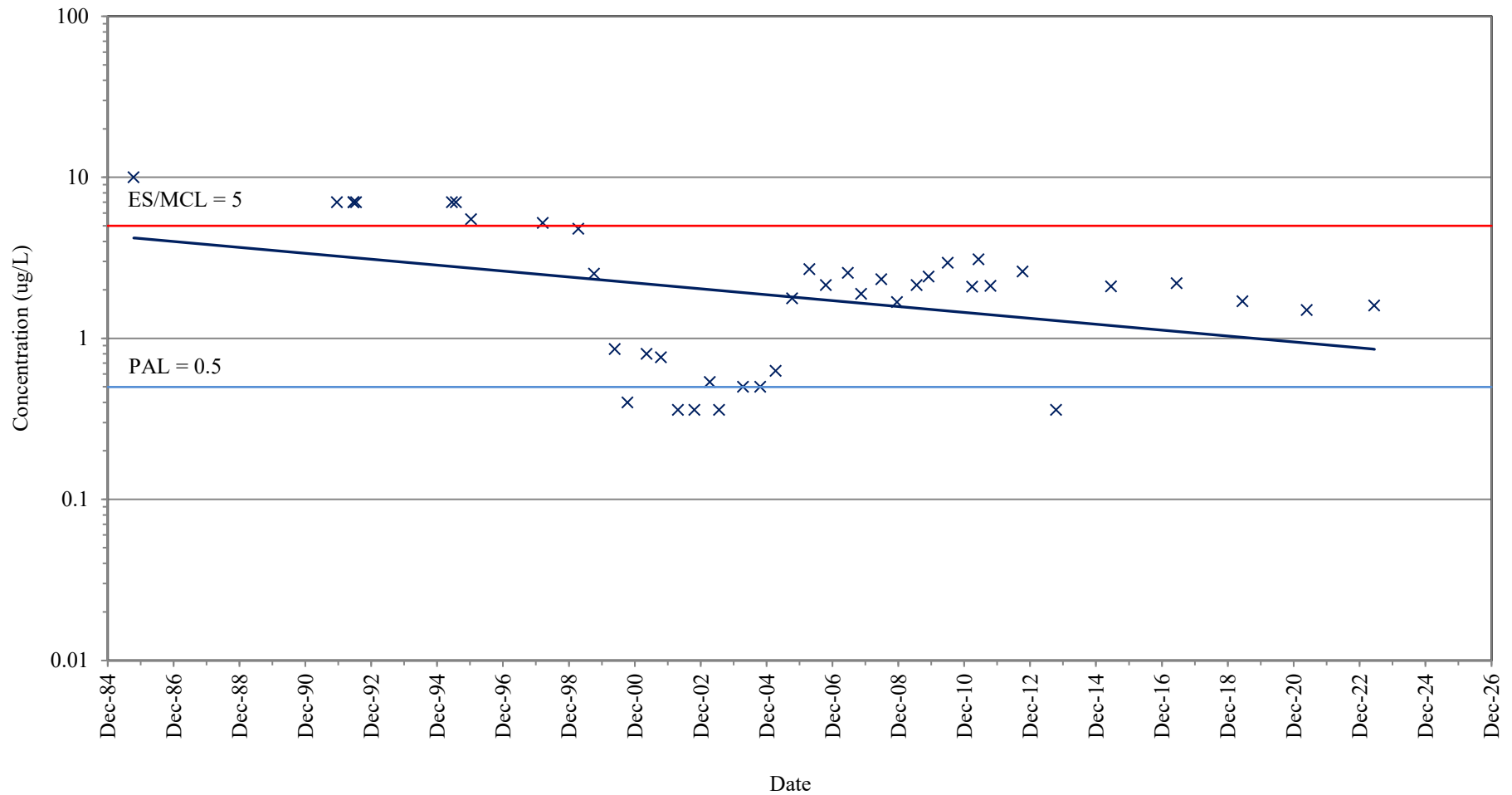
NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN



Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS**  
**MW-52B (GRID COORDINATE F6)**

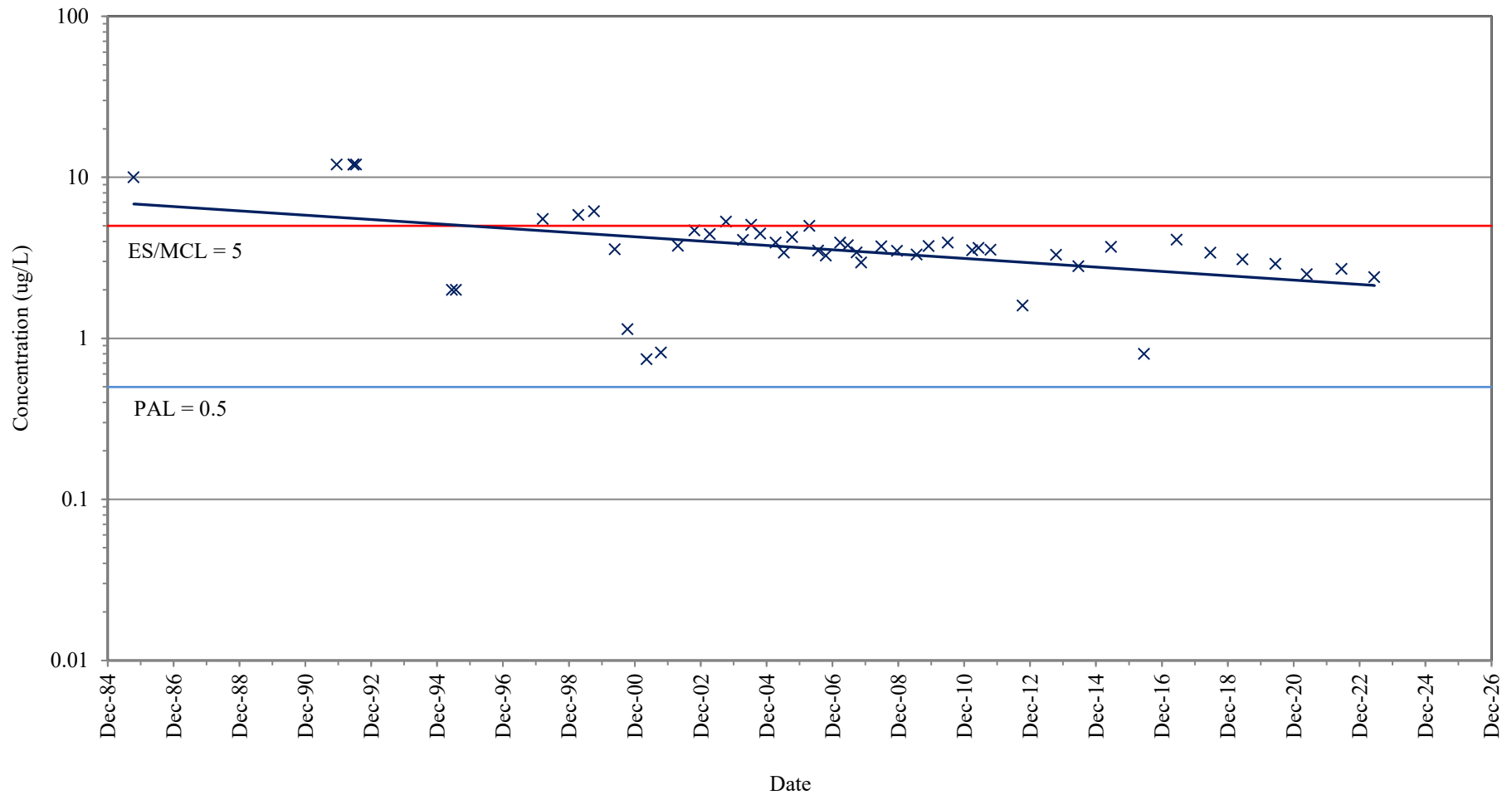
NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN



Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS**  
**MW-53A (GRID COORDINATE E6)**

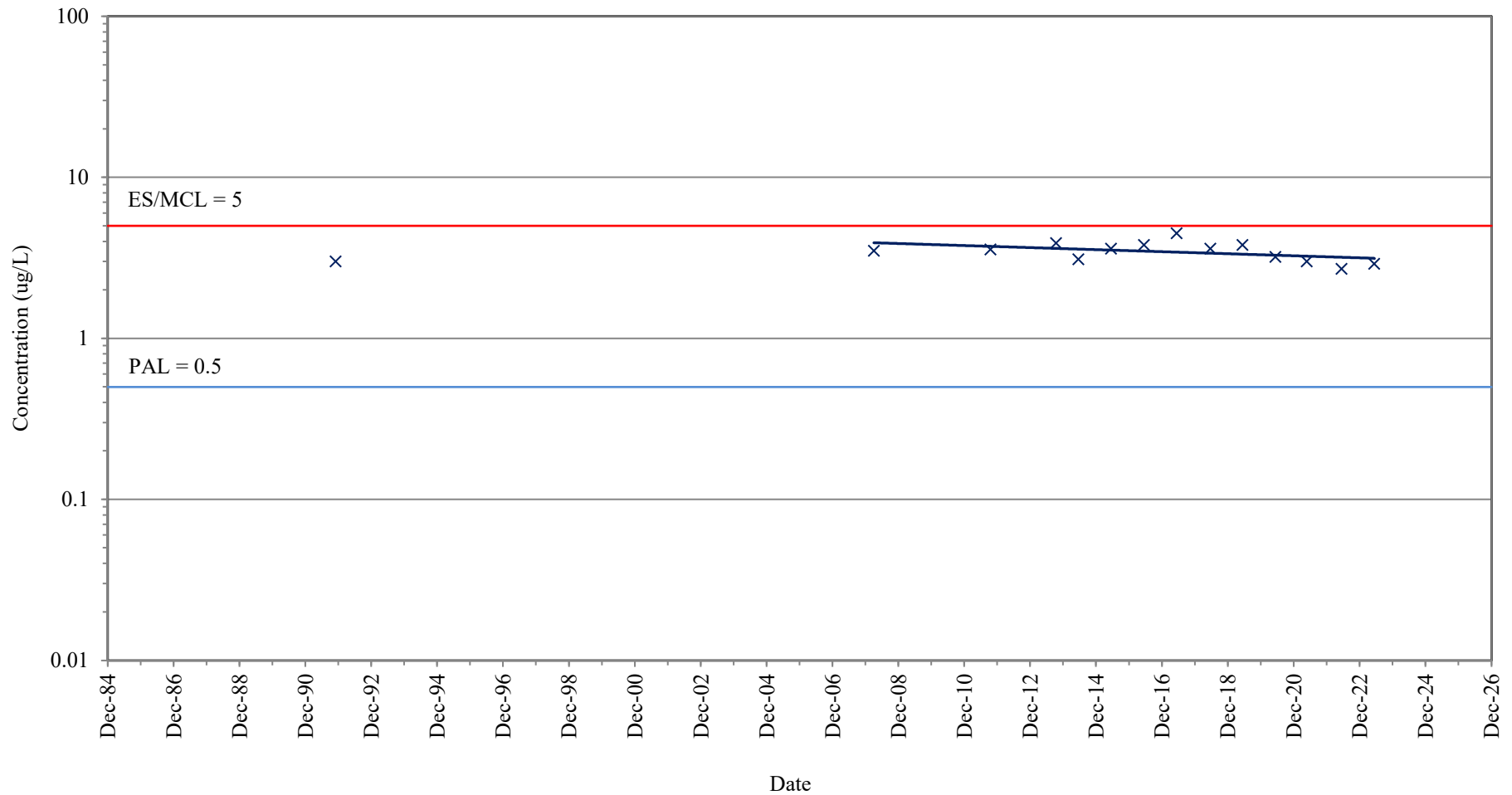
NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN



Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS**  
**MW-53B (GRID COORDINATE E6)**

NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN

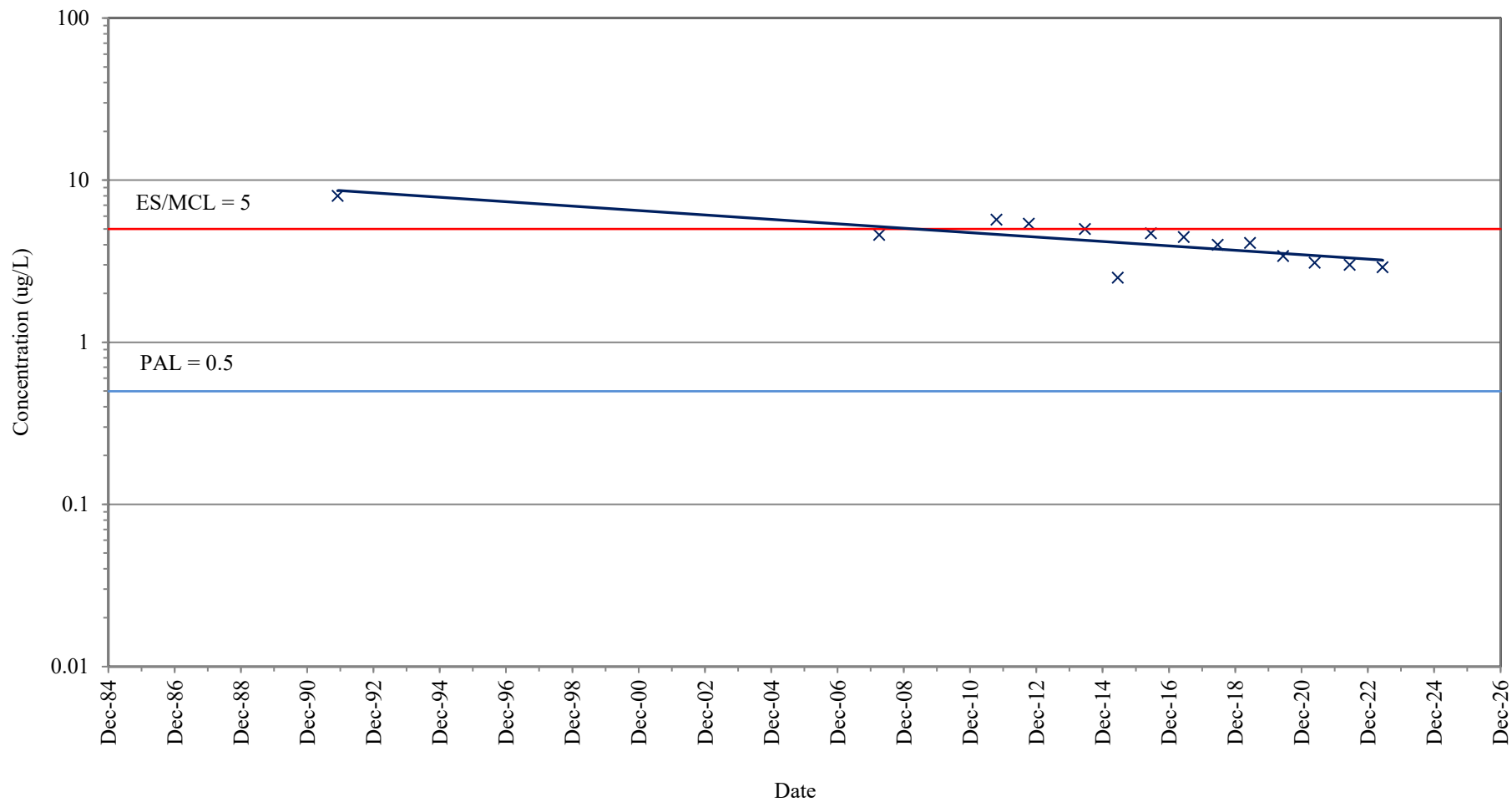


Note: The best-fit exponential trend line generated using Excel evaluates a partial data set to focus on a "more representative" sample cluster.

**PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS**  
**MW-54B (GRID COORDINATE D6)**

NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN

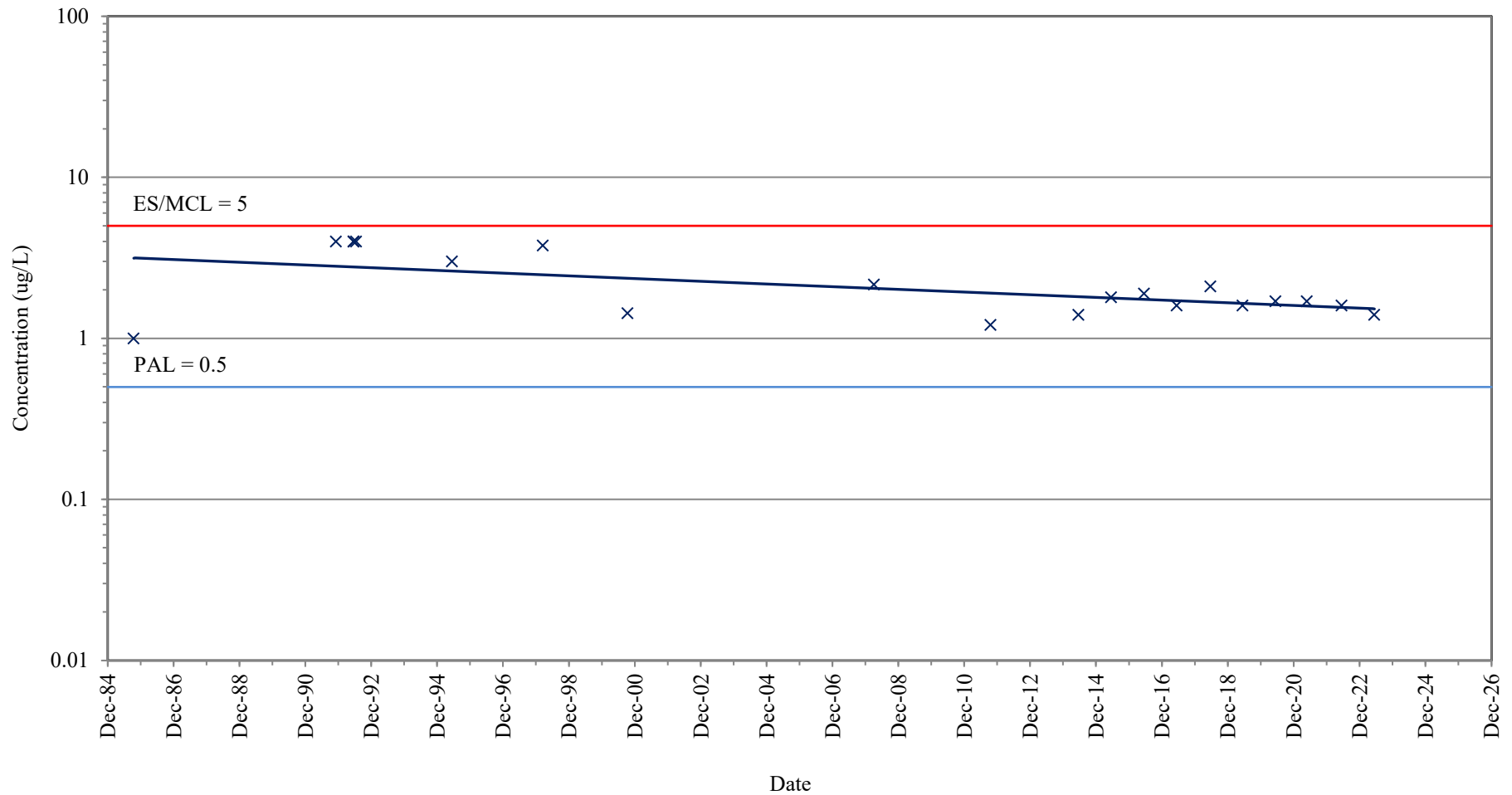




Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS**  
**MW-54C (GRID COORDINATE D6)**

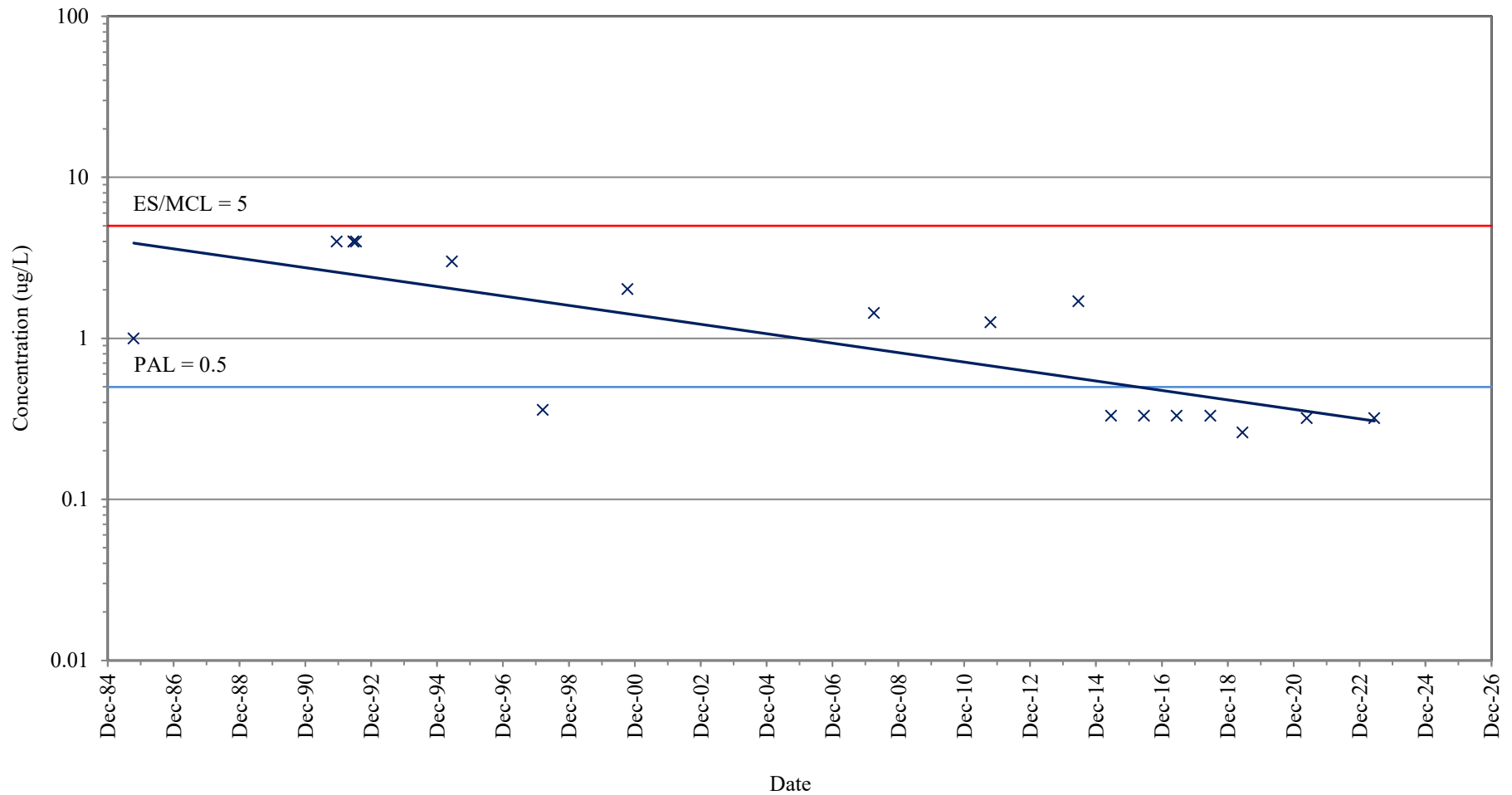
NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN



Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS**  
**MW-55B (GRID COORDINATE D6)**

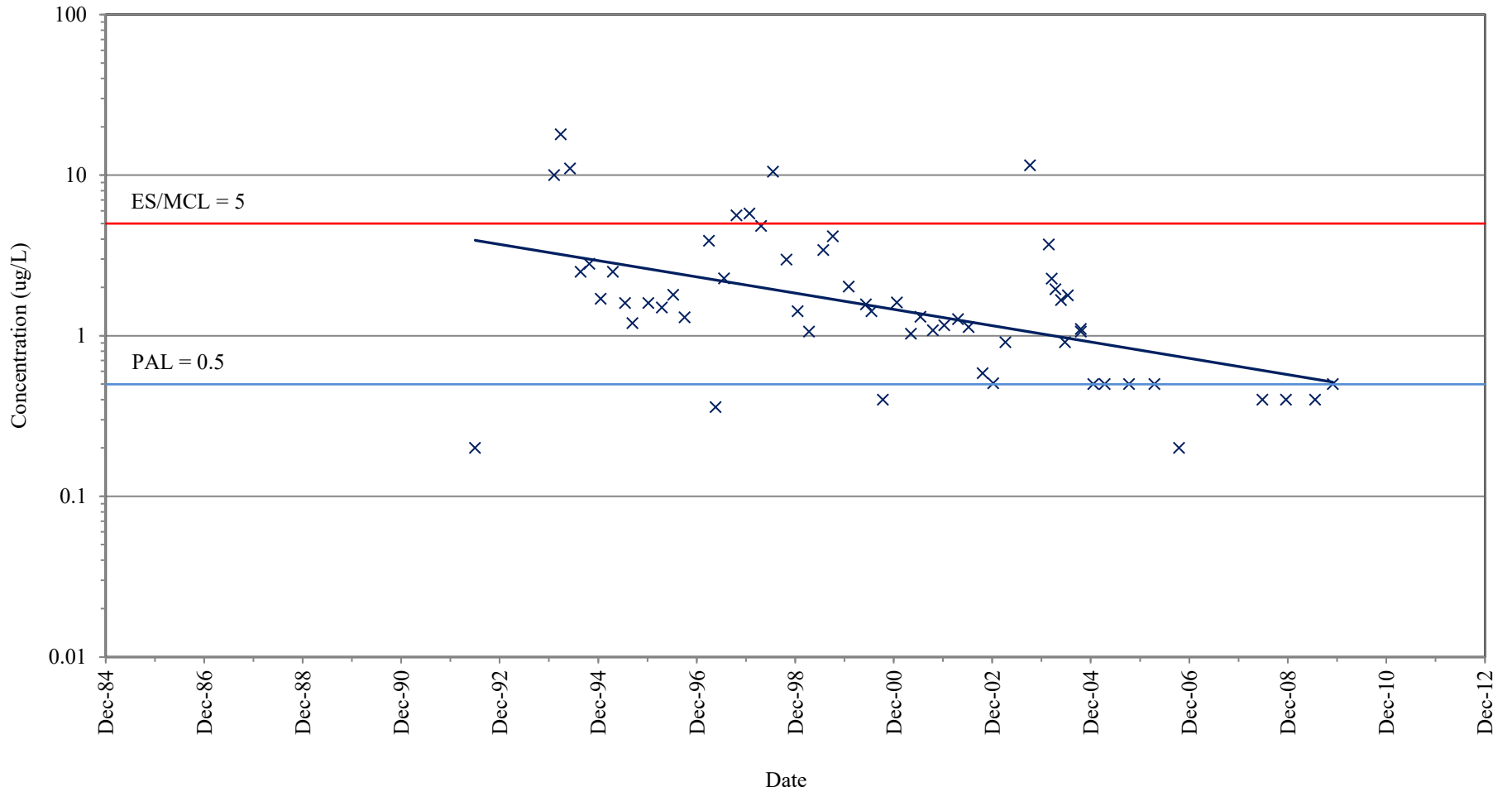
NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN



Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS**  
**MW-55C (GRID COORDINATE D6)**

NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN



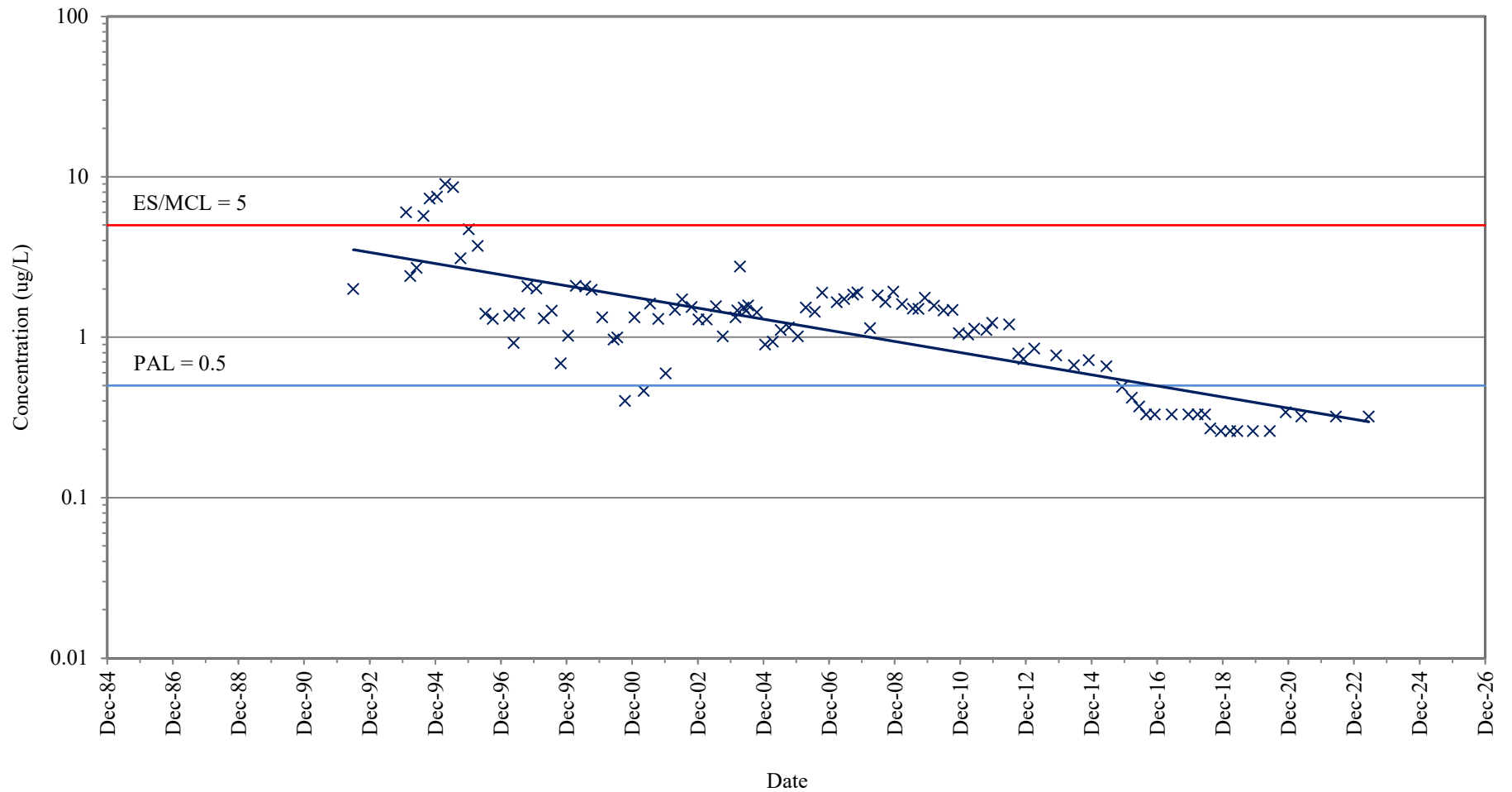
Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS

MW-67A (GRID COORDINATE K7)

NATIONAL PRESTO INDUSTRIES, INC.  
EAU CLAIRE, WISCONSIN

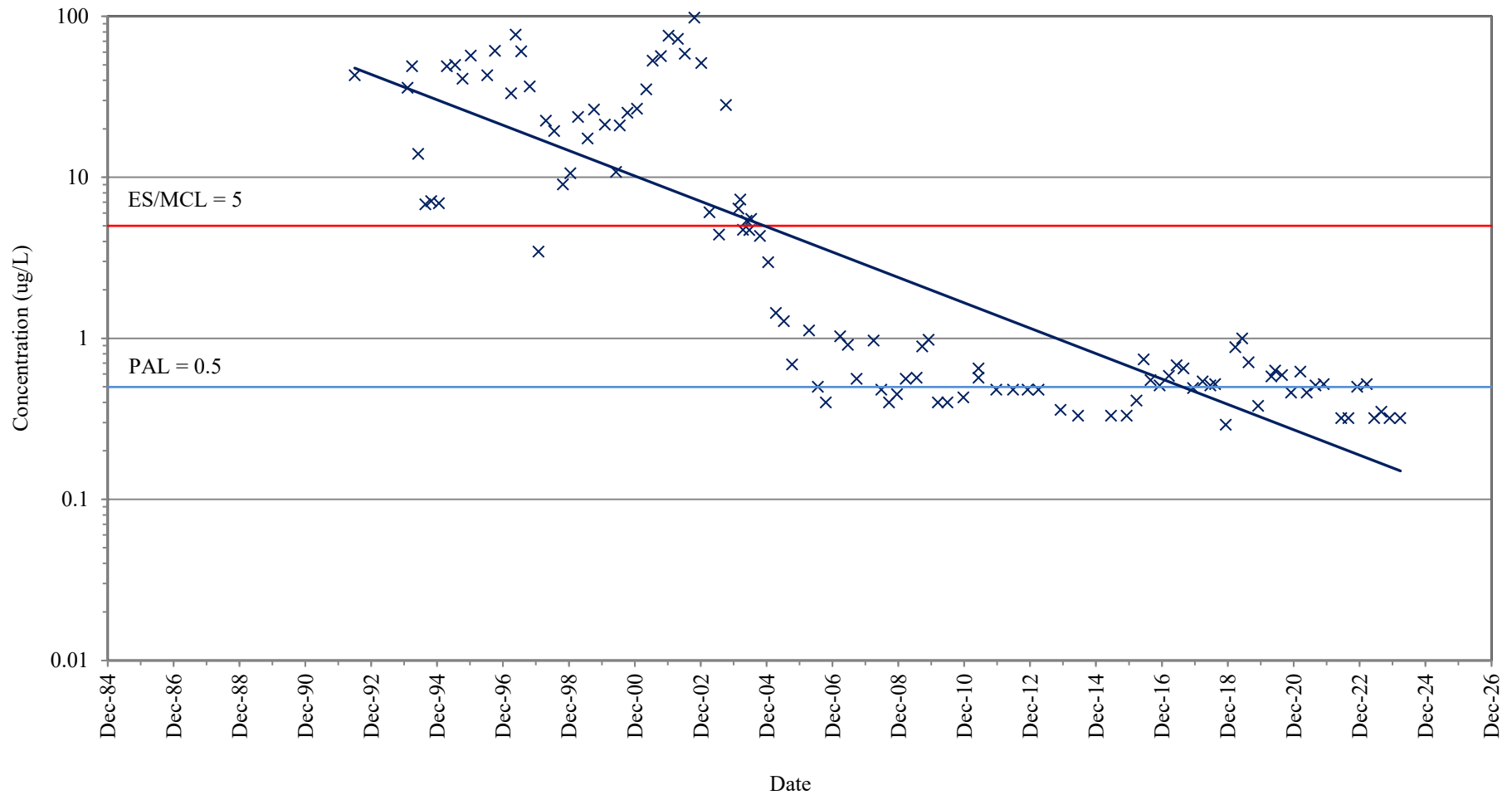




Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS**  
**MW-68B (GRID COORDINATE J7)**

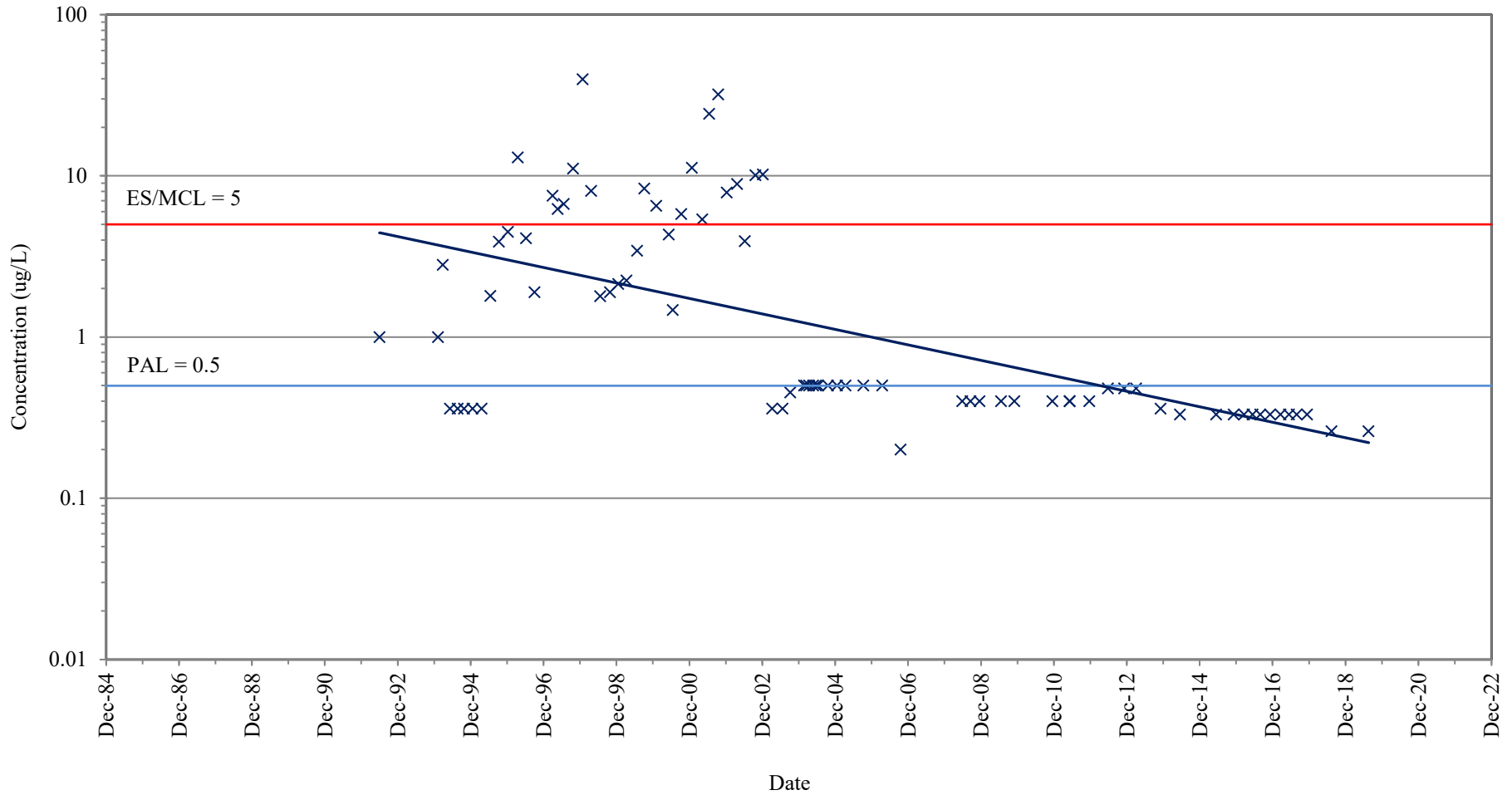
NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN



Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS**  
**MW-70A (GRID COORDINATE K8)**

NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN

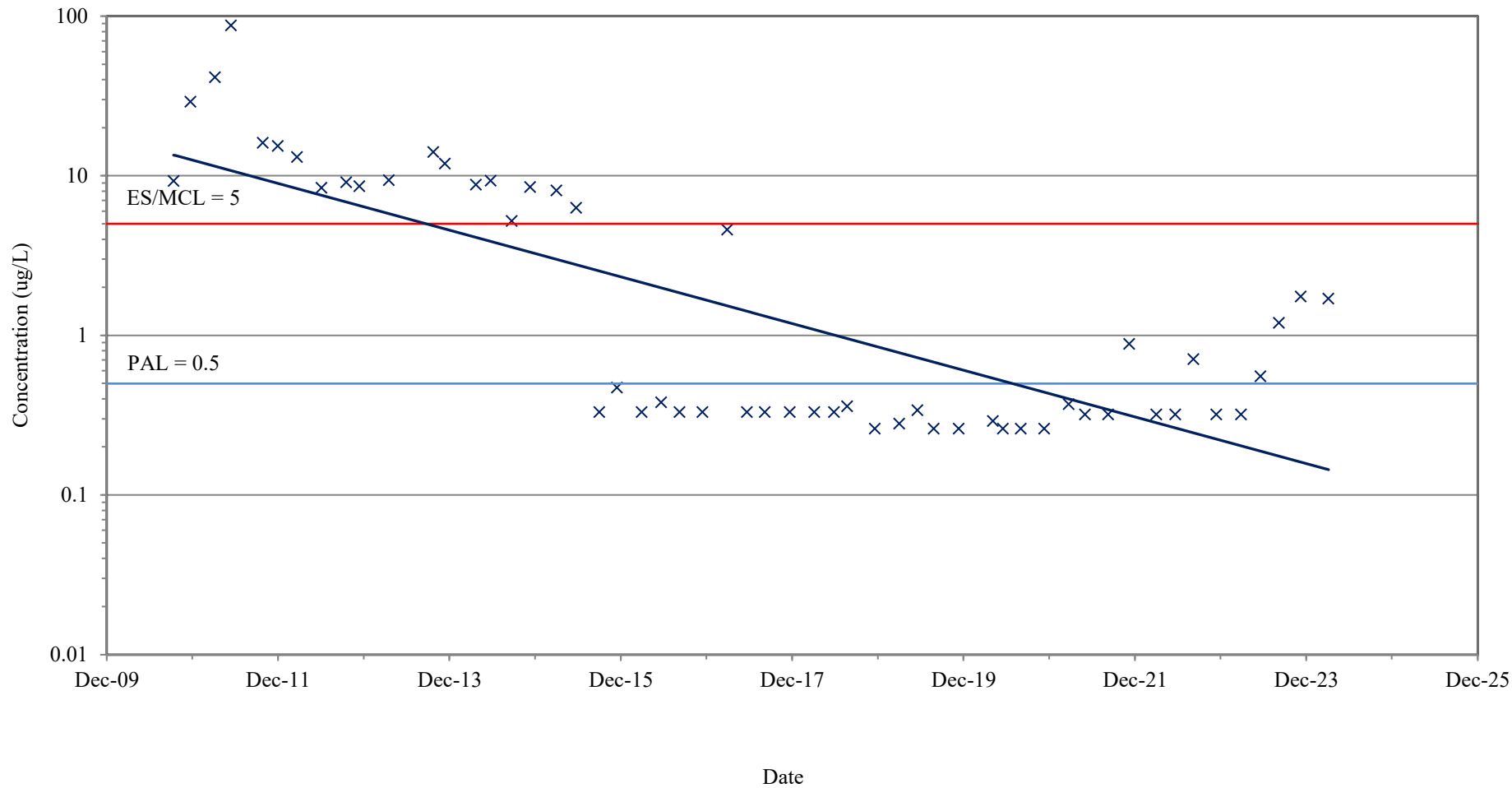


Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS**  
**MW-70B (GRID COORDINATE K8)**

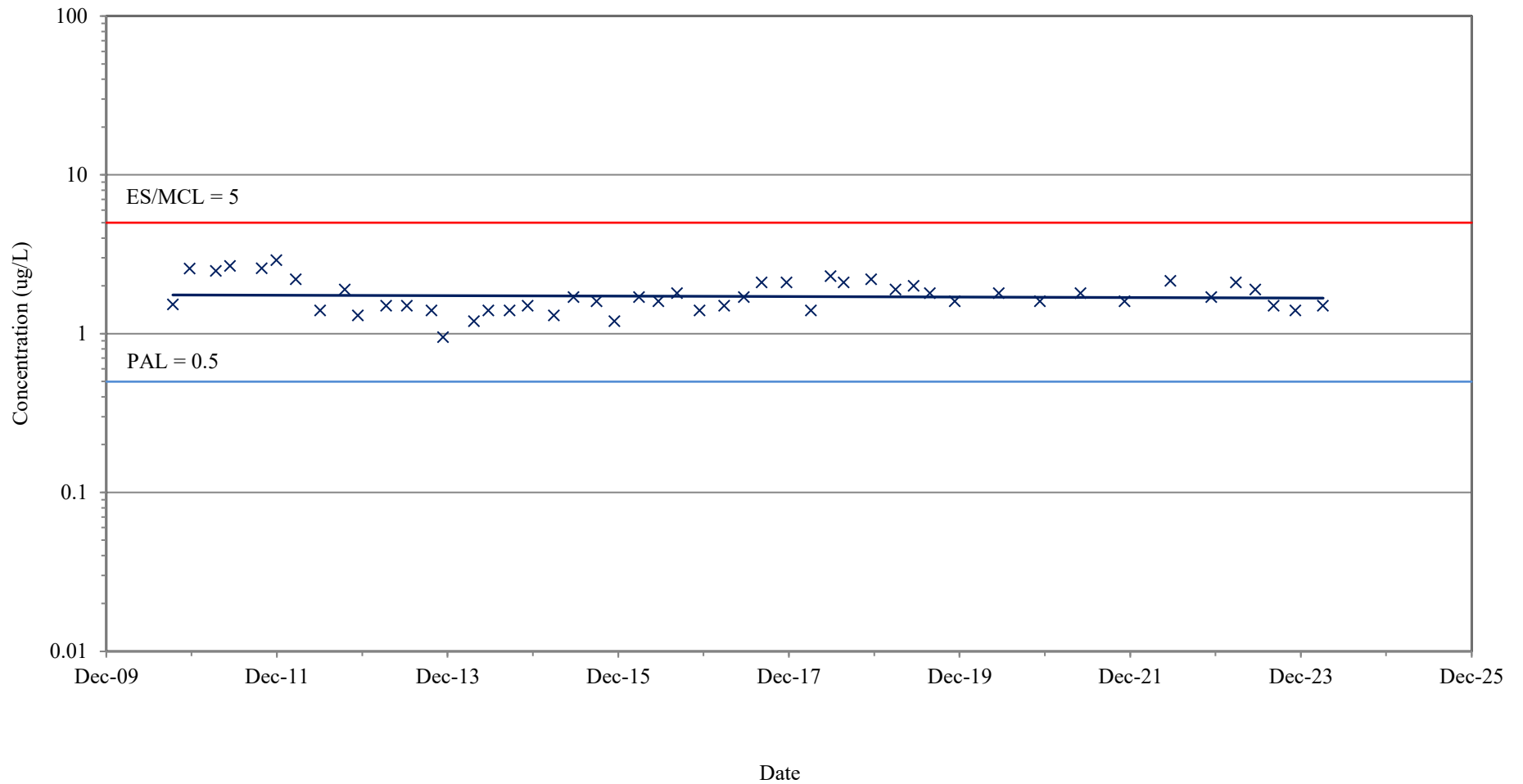
NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN





Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

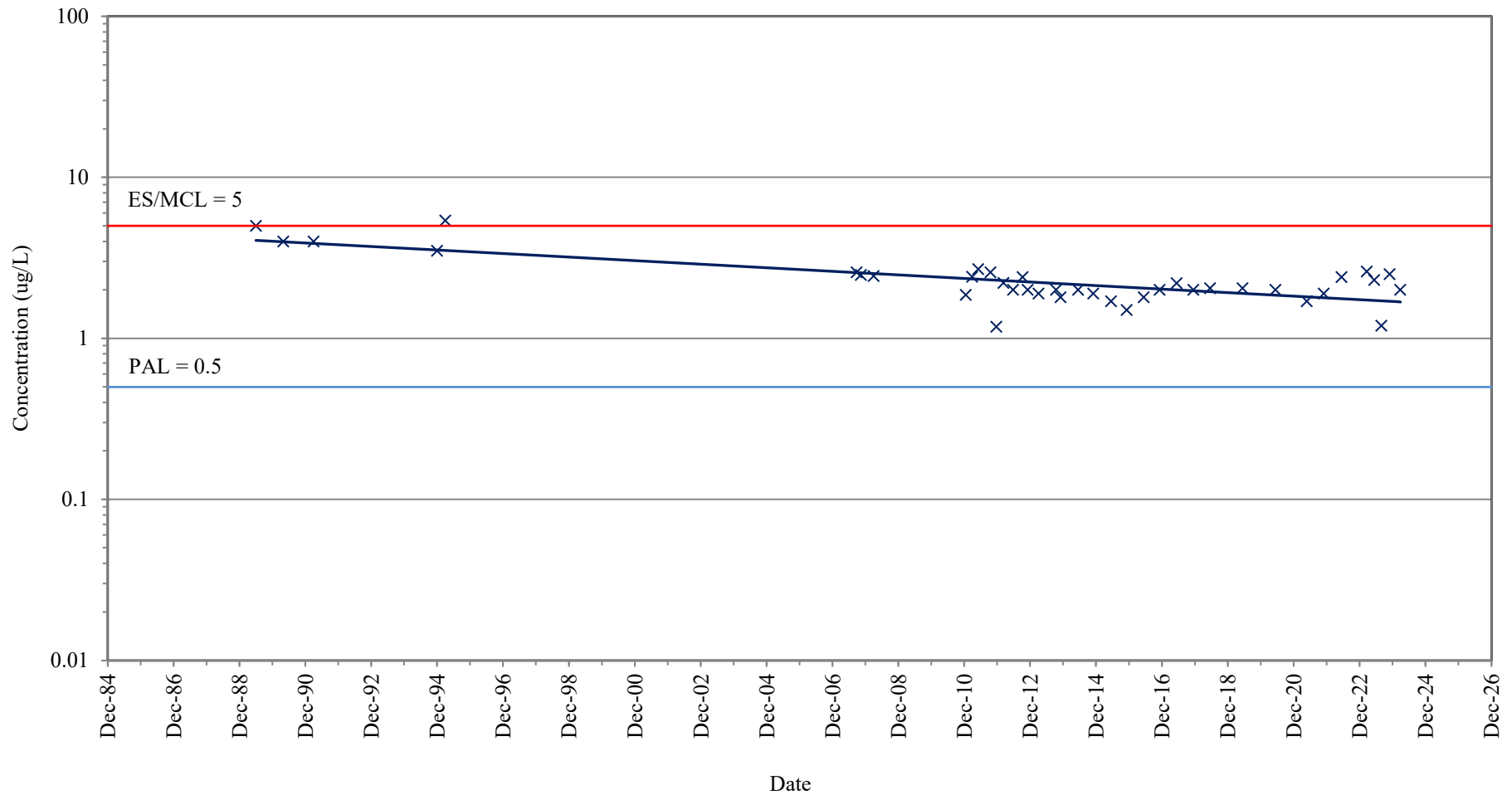
**PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS**  
**MW-76A (GRID COORDINATE K7)**  
 NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN



Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS**  
**MW-77B (GRID COORDINATE K7)**

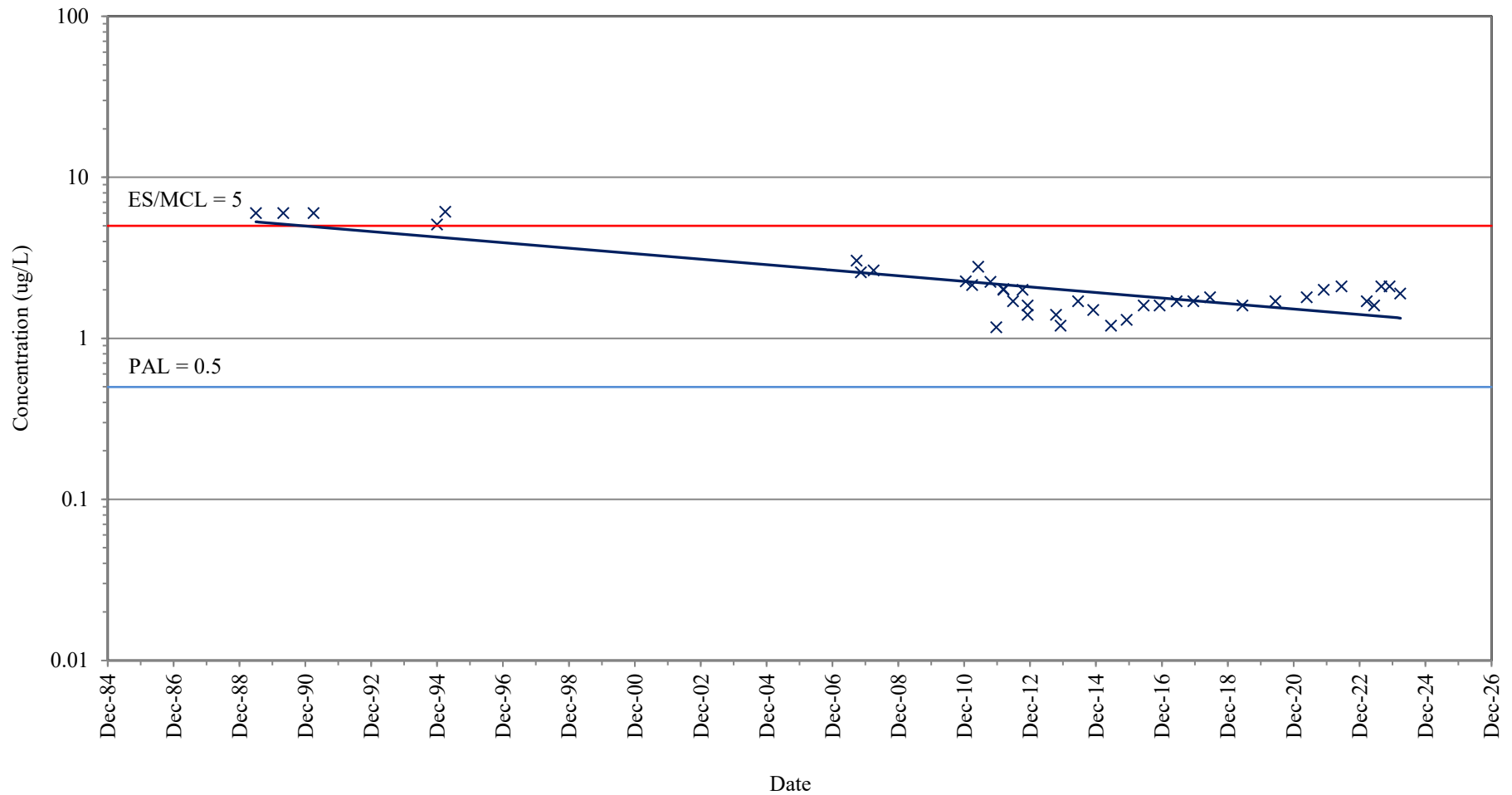
NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN



Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS**  
**RW-2B (GRID COORDINATE J7)**

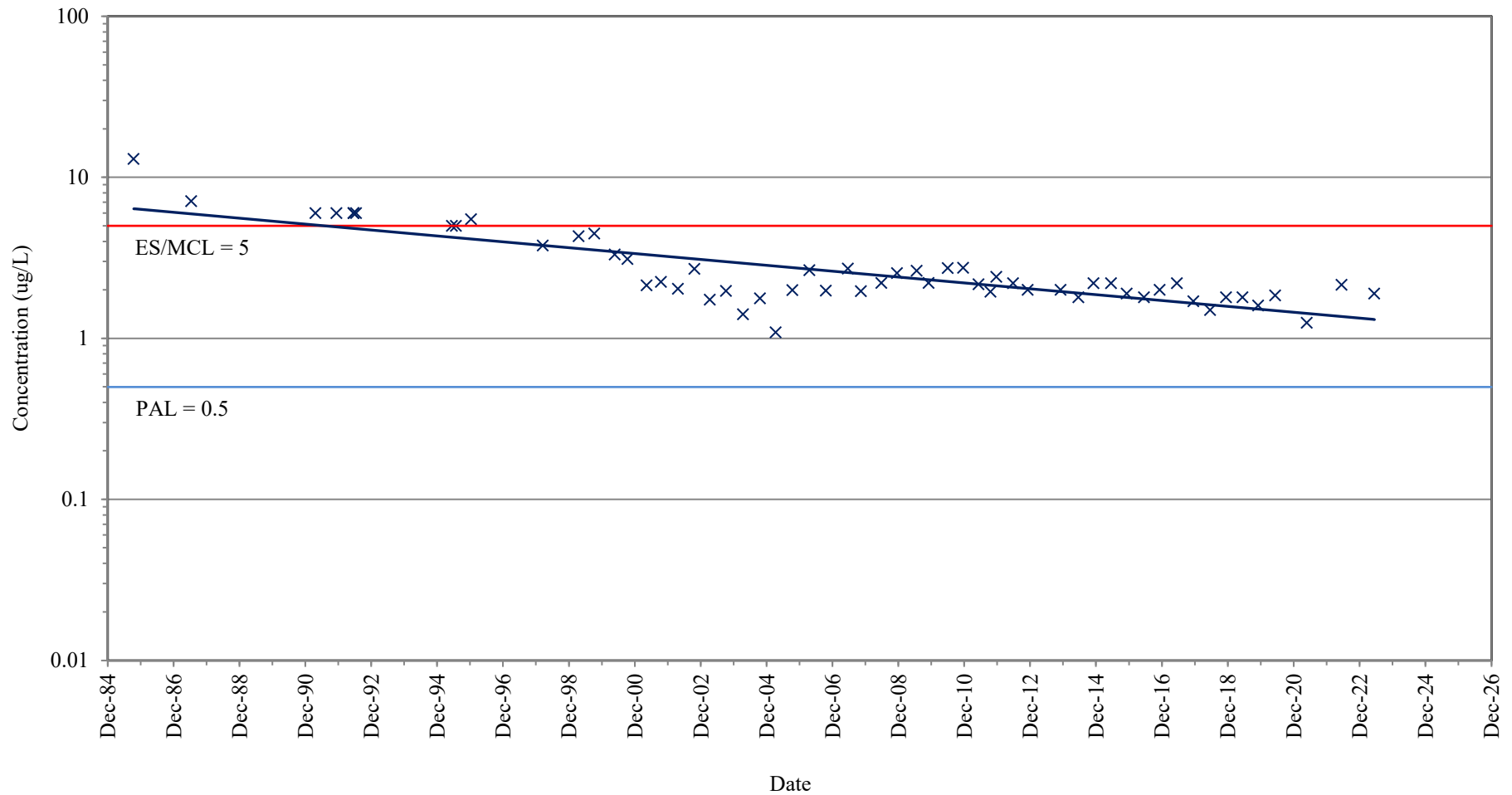
NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN



Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS**  
**RW-2C (GRID COORDINATE J7)**

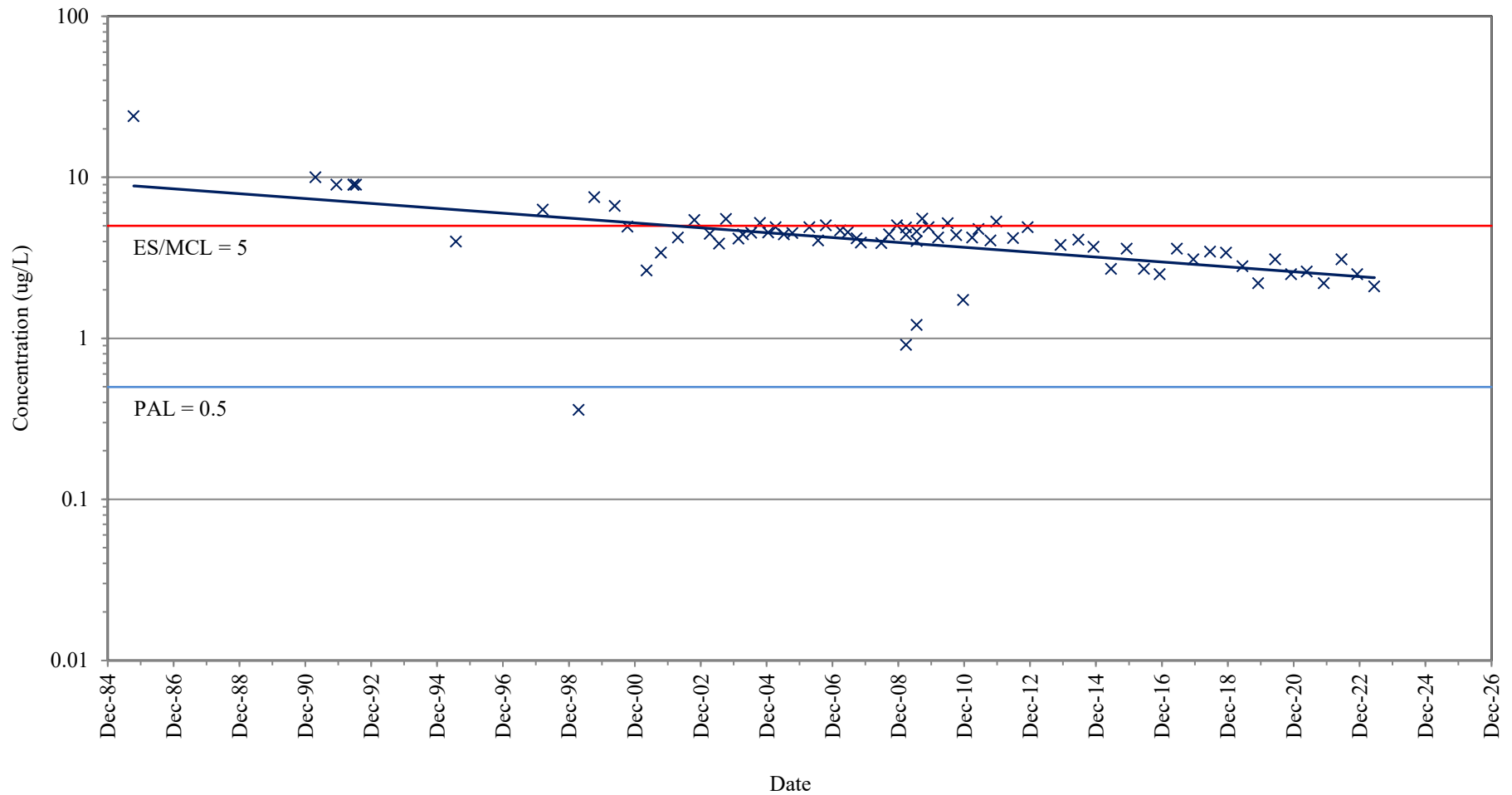
NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN



Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS**  
**RW-3A (GRID COORDINATE C6)**

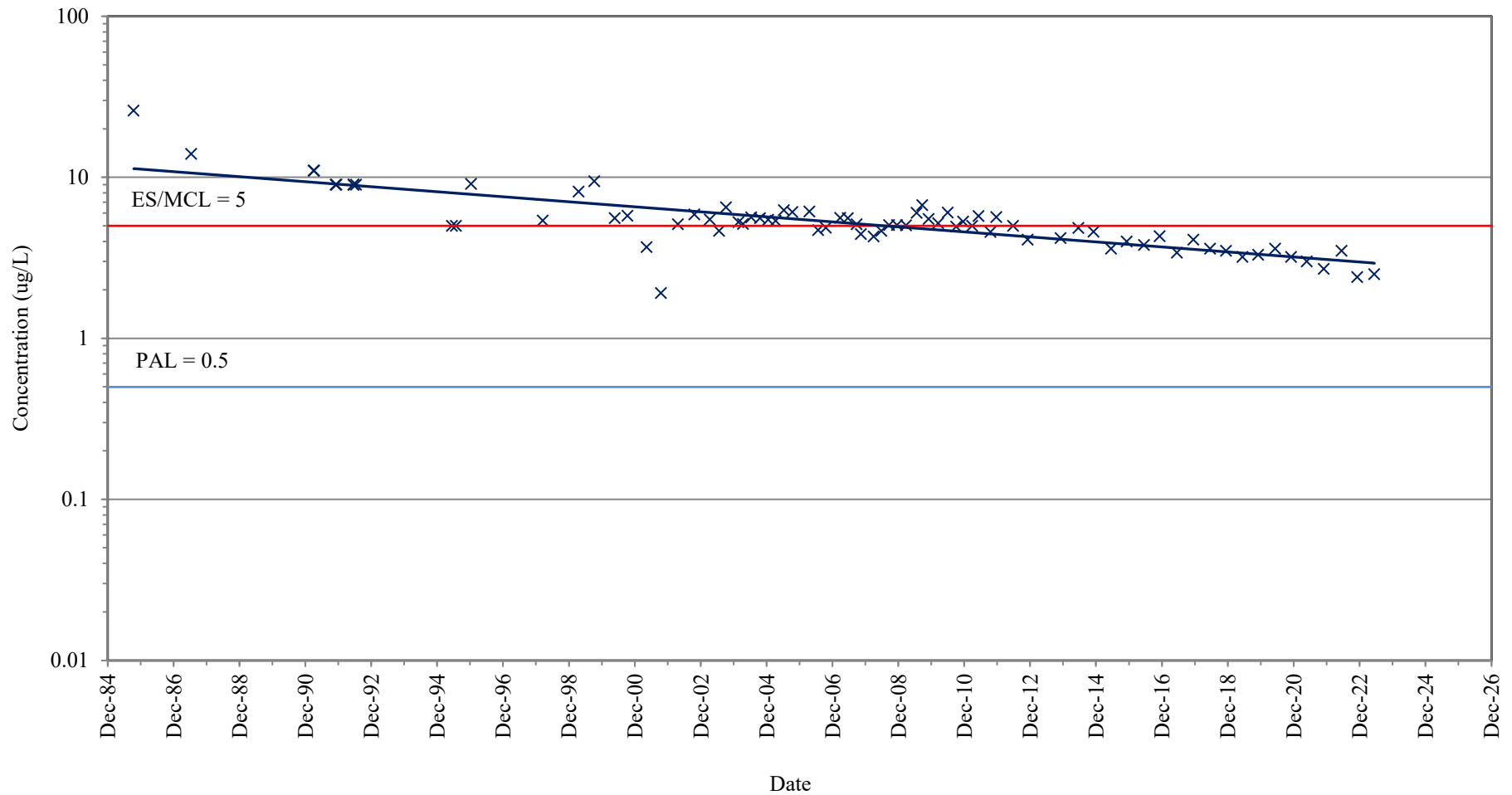
NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN



Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS**  
**RW-3B (GRID COORDINATE C6)**

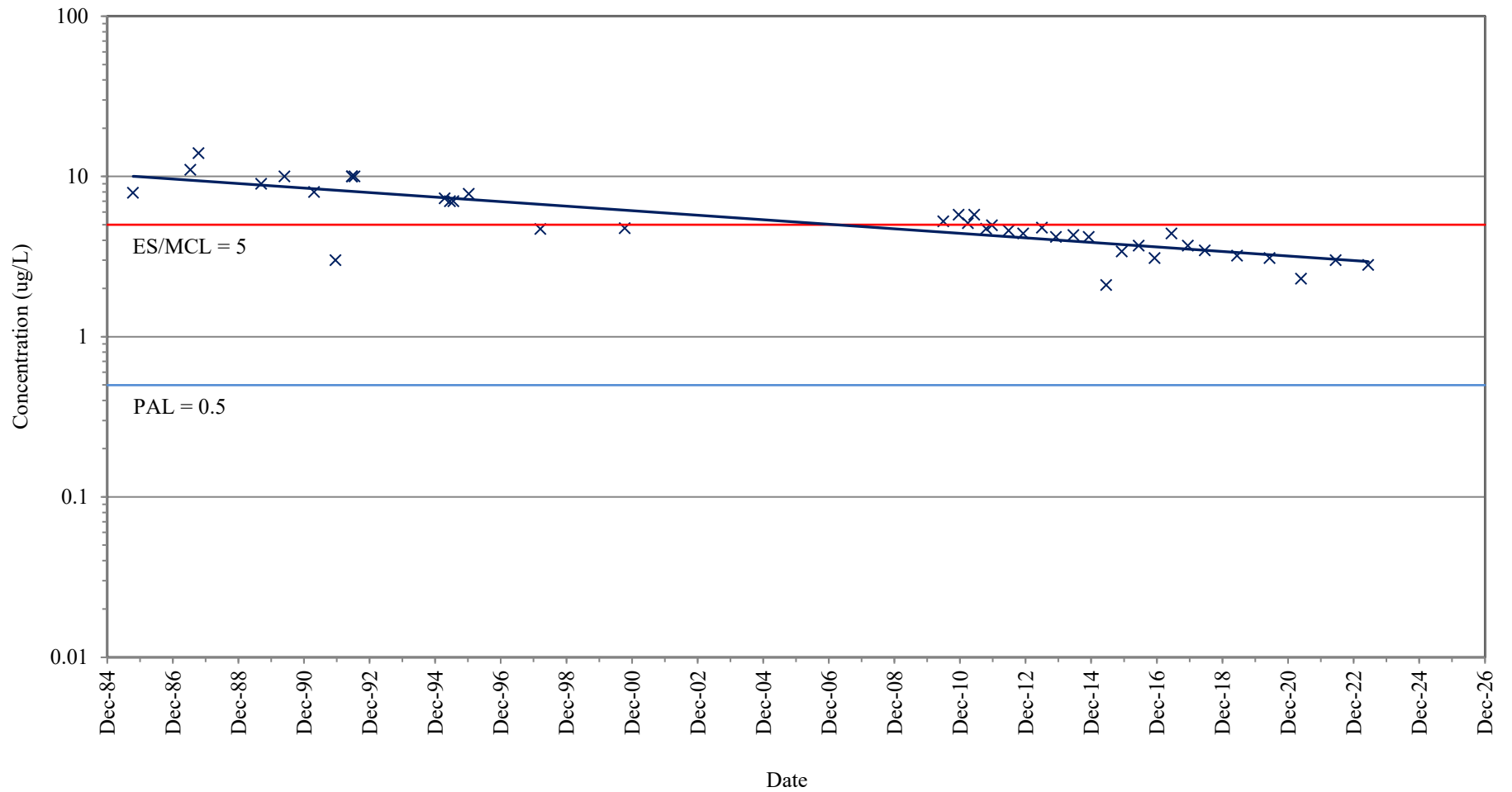
NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN



Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS**  
**RW-3C (GRID COORDINATE C6)**

NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN

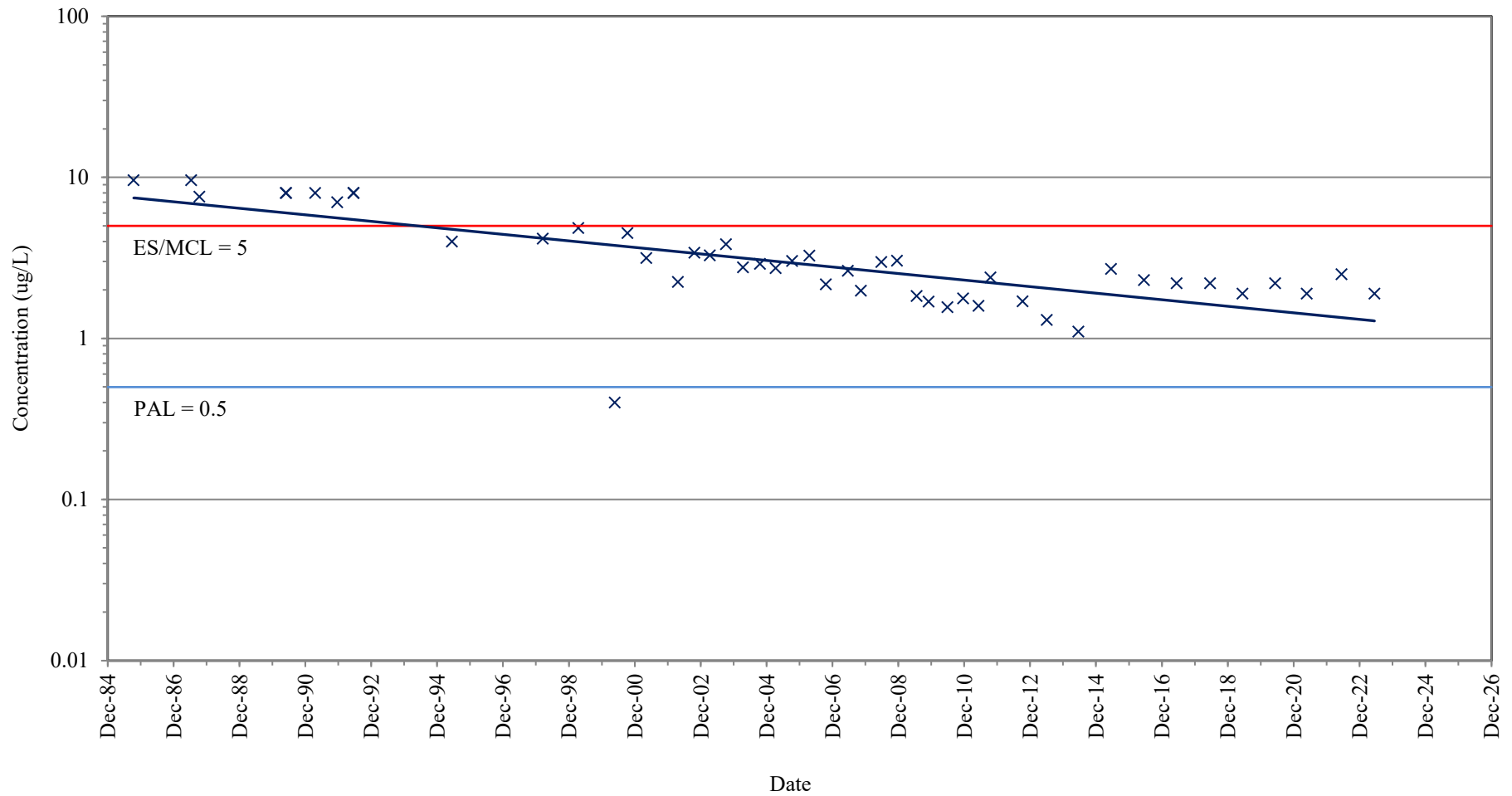


Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS**  
**RW-15 (GRID COORDINATE J7)**

NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN

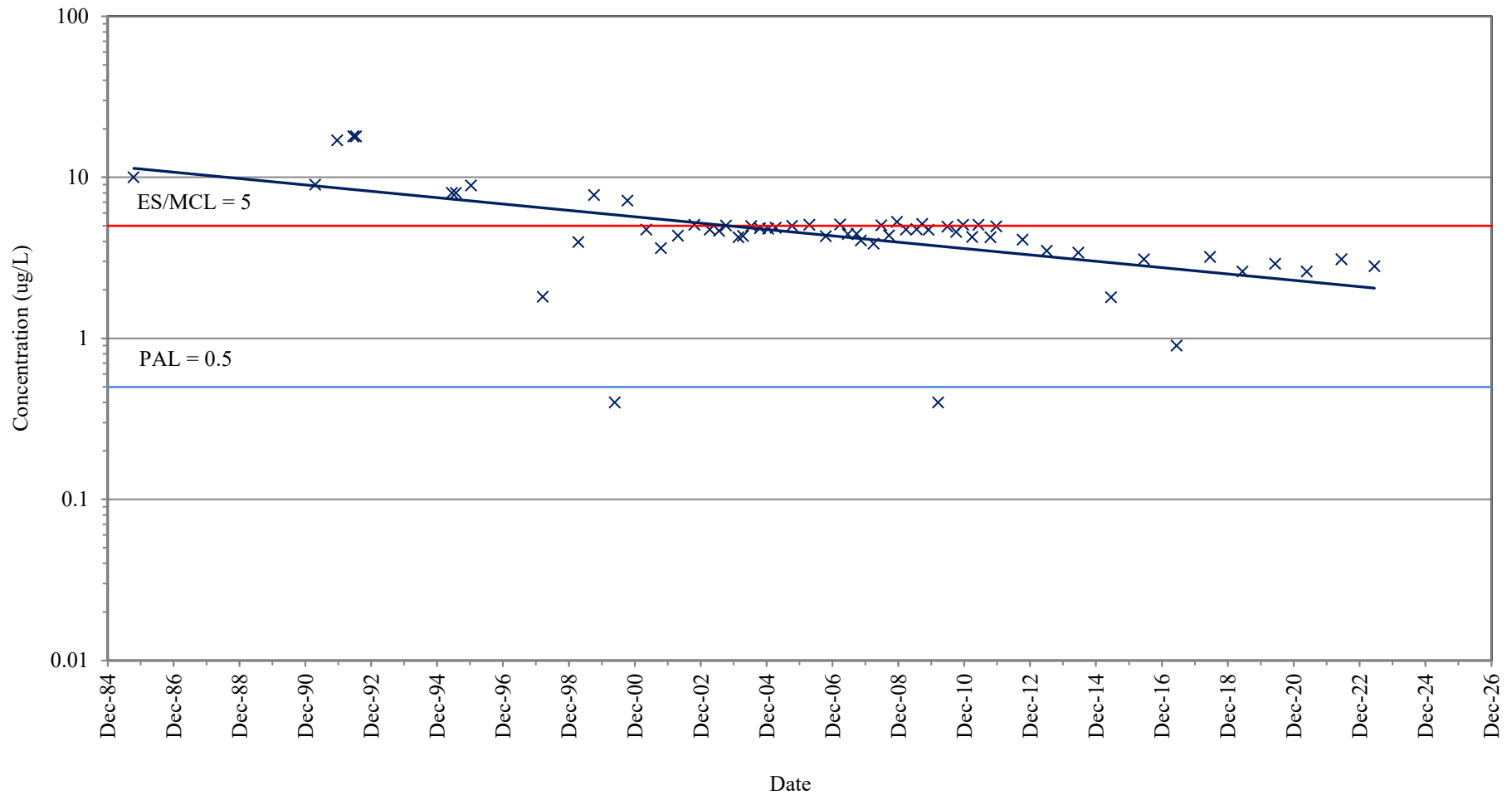




Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS**  
**RW-16 (GRID COORDINATE G7)**

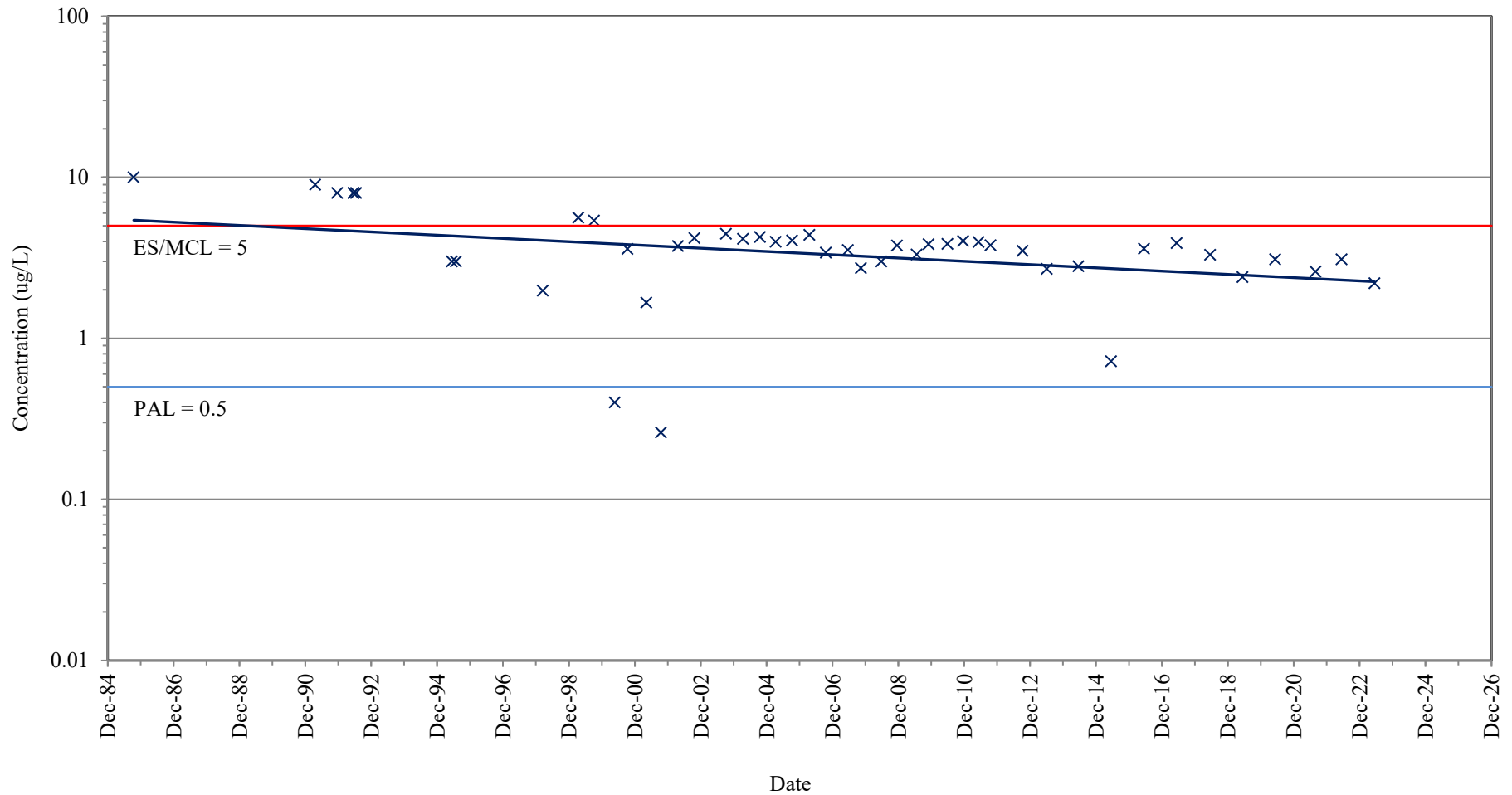
NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN



Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS**  
**RW-16B (GRID COORDINATE G7)**

NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN



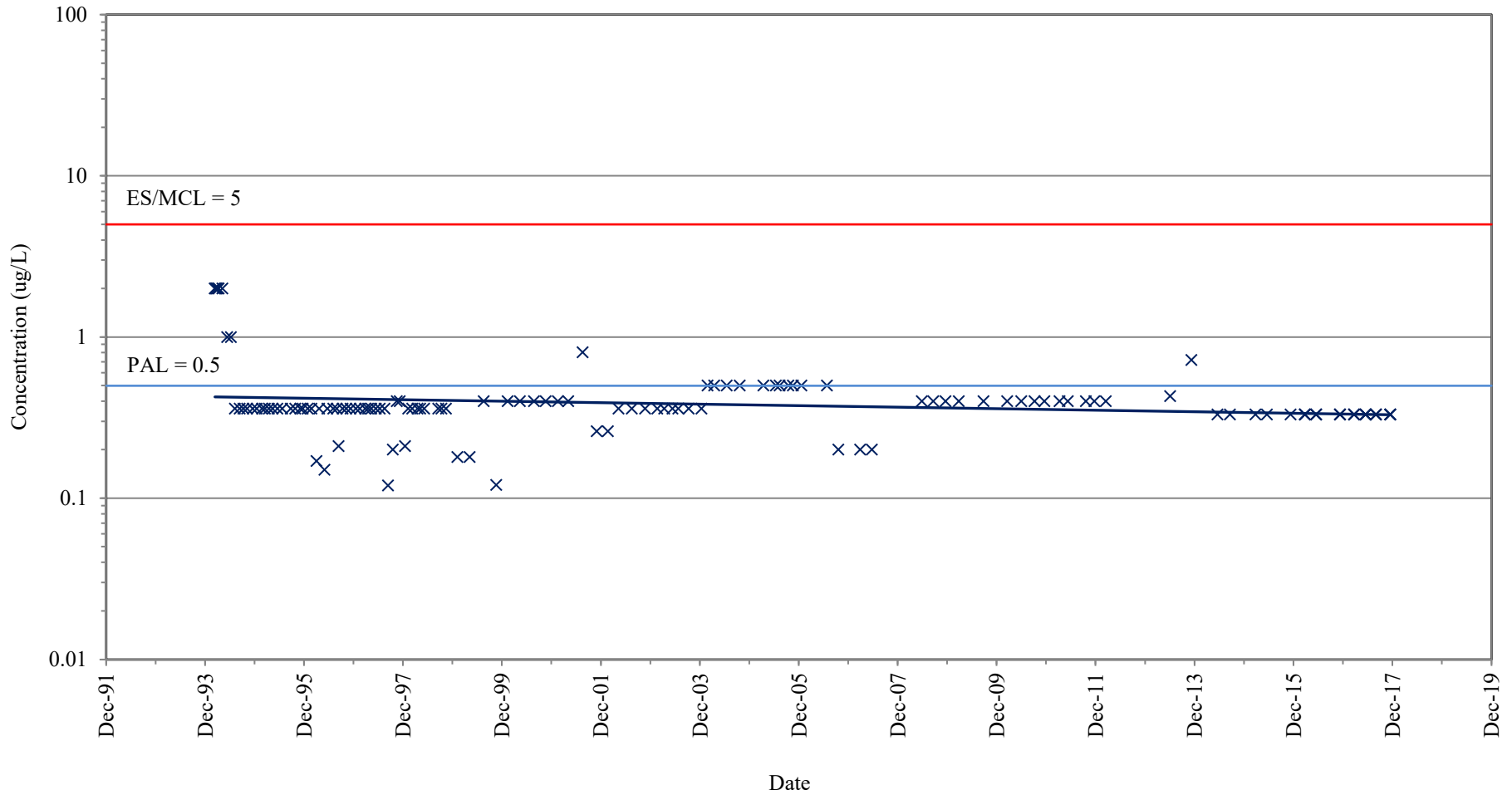
Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS**  
**RW-16C (GRID COORDINATE G7)**

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**APPENDIX E**

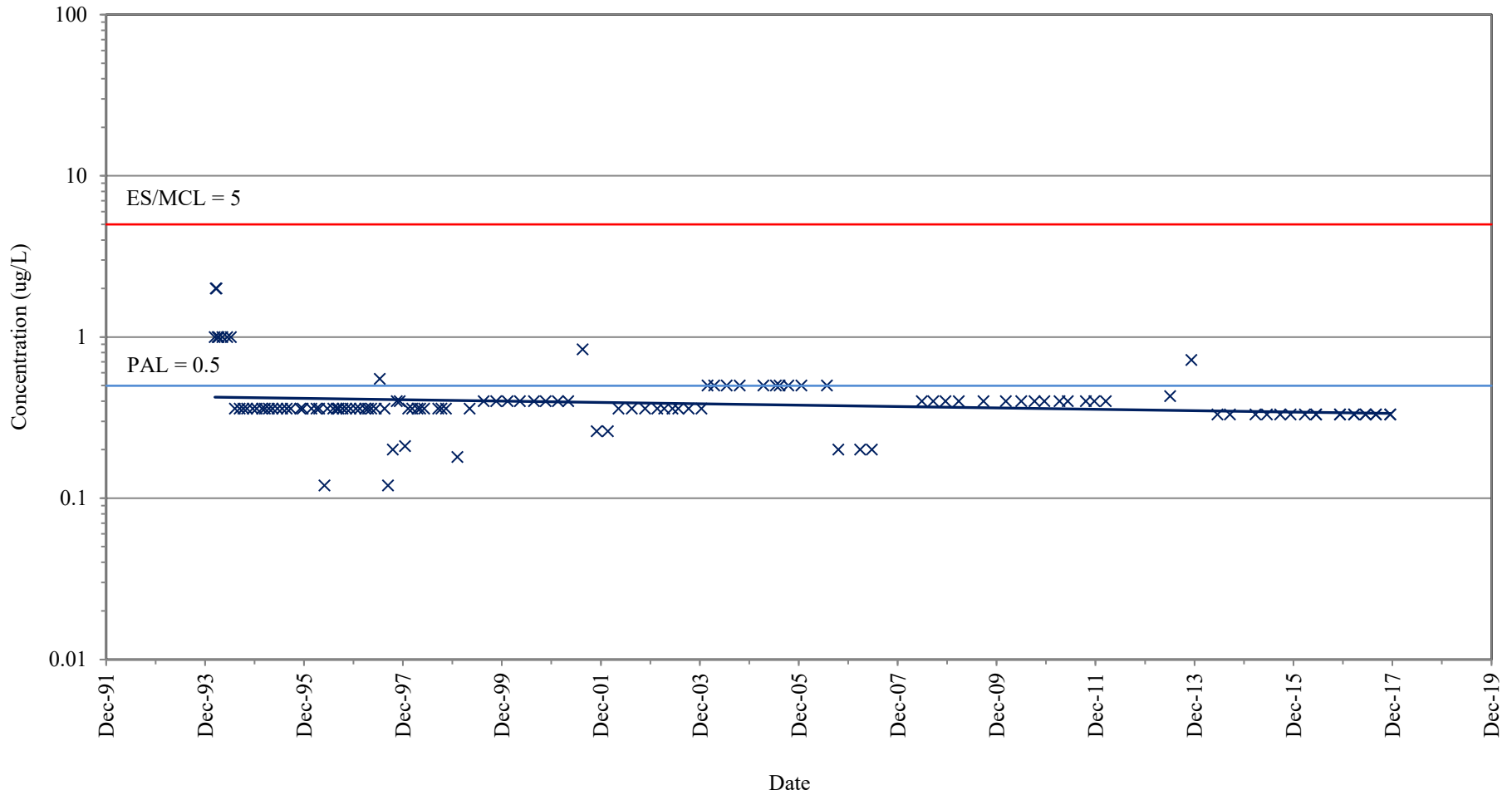
**TCE CONCENTRATION VERSUS TIME GRAPHS**  
**FORMER PLUME 3/4 (MELBY ROAD DISPOSAL SITE)**



Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 3/4 GROUNDWATER TCE CONCENTRATIONS**  
**EW-1/1R (GRID COORDINATE L6)**

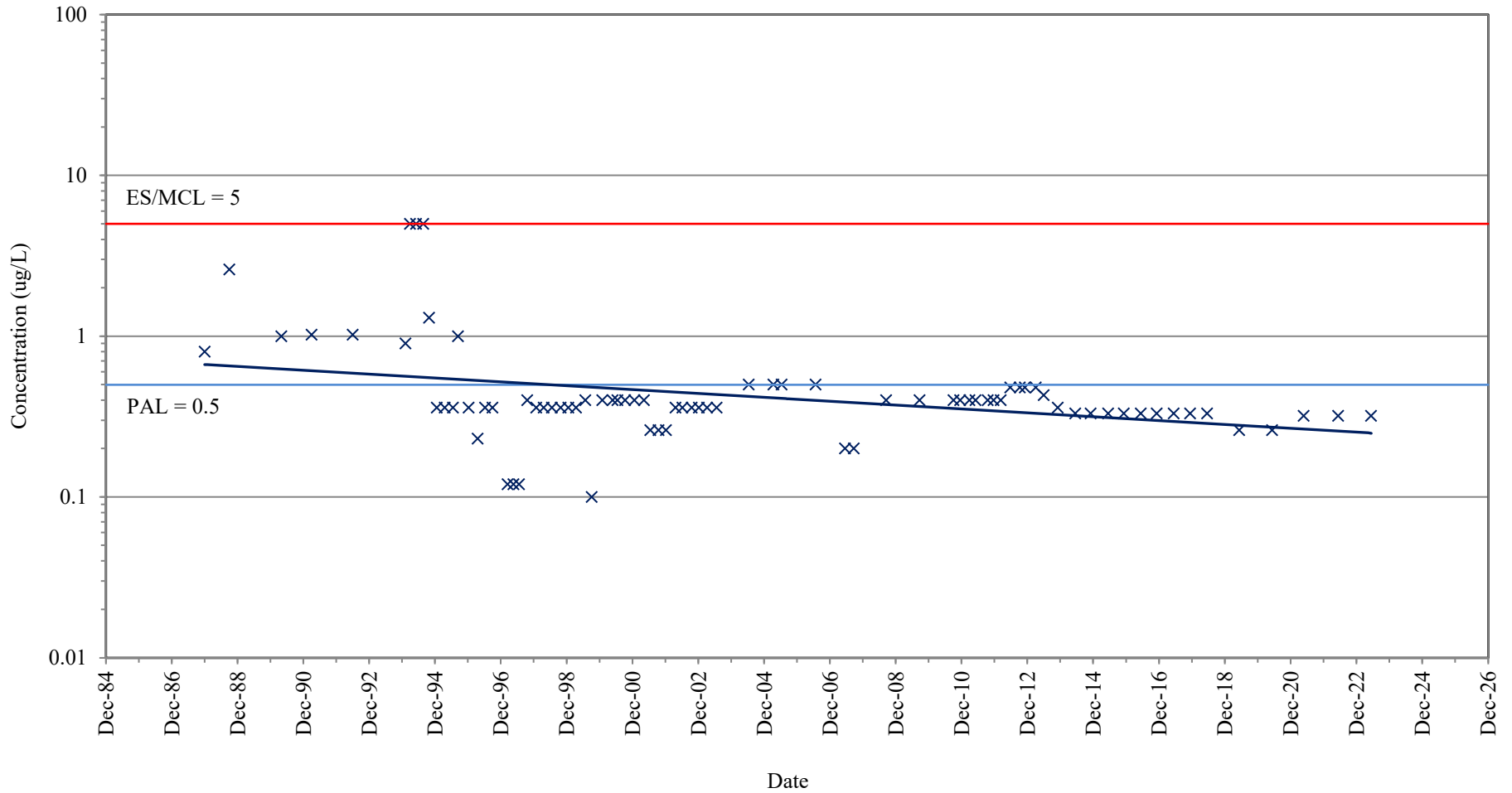
NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN



Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 3/4 GROUNDWATER TCE CONCENTRATIONS**  
**EW-2 (GRID COORDINATE L6)**

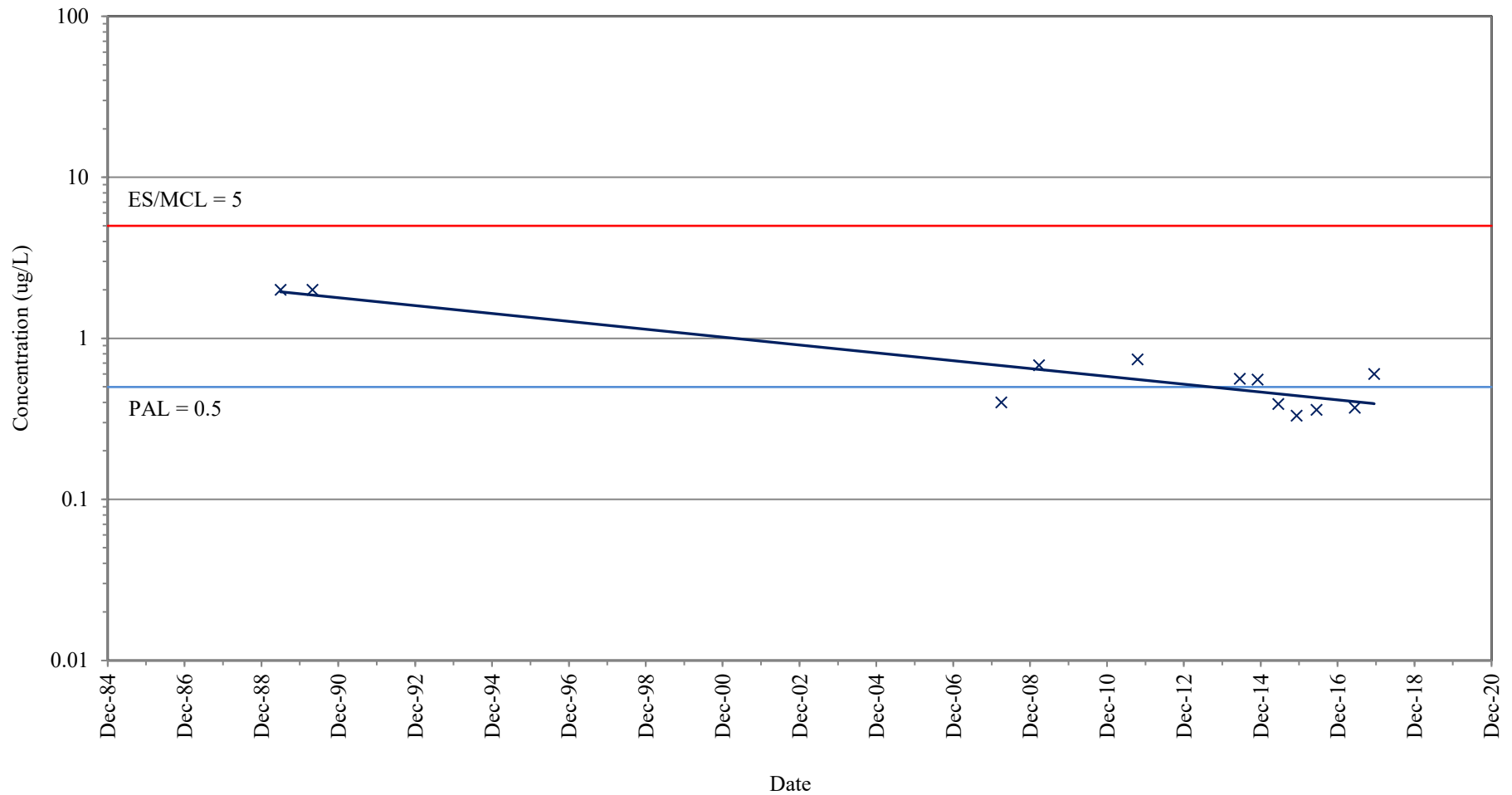
NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN



Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 3/4 GROUNDWATER TCE CONCENTRATIONS**  
**MW-5A (GRID COORDINATE L6)**

NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN

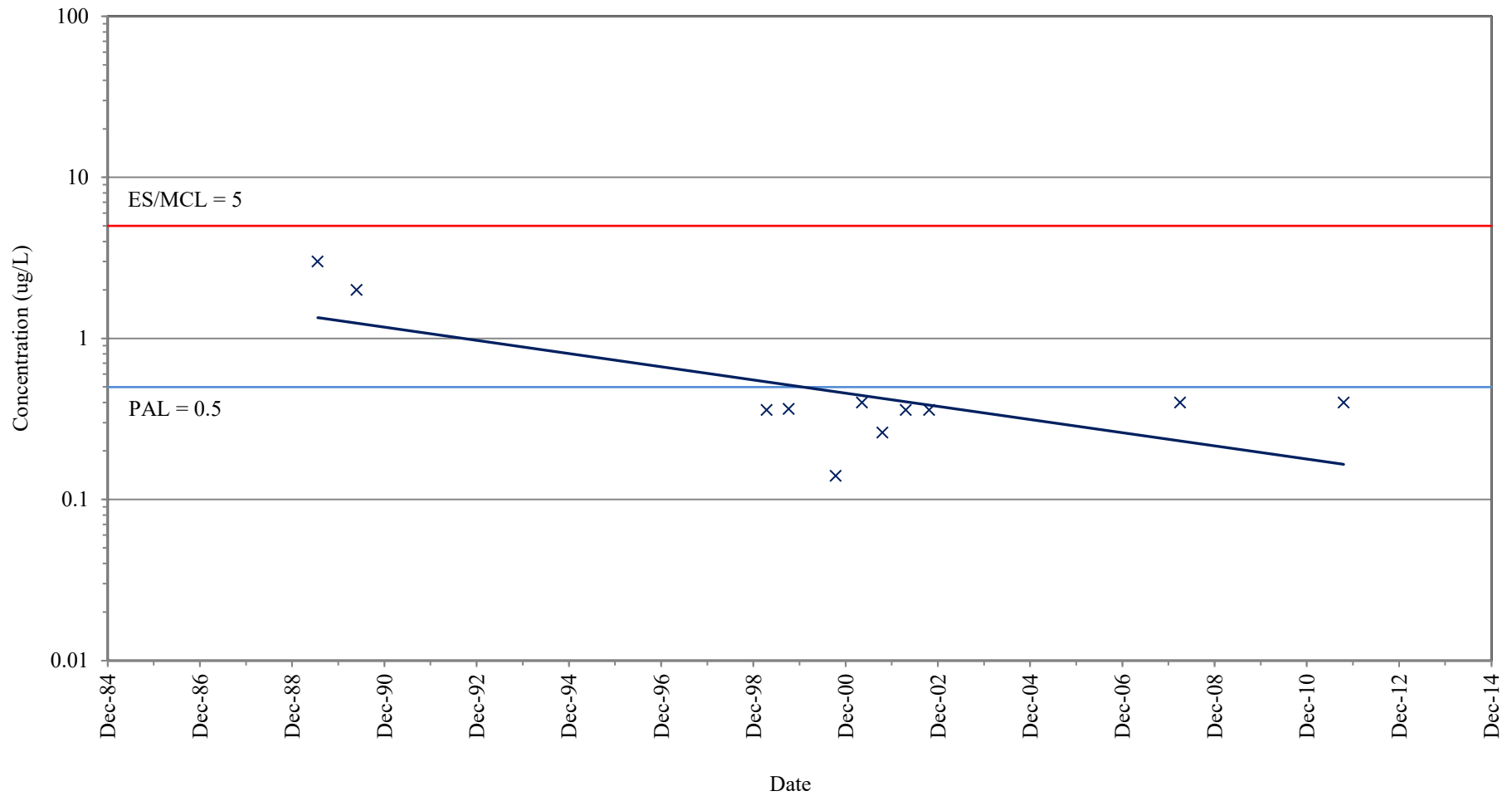


Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 3/4 GROUNDWATER TCE CONCENTRATIONS**  
**MW-26B (GRID COORDINATE L5)**

NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN

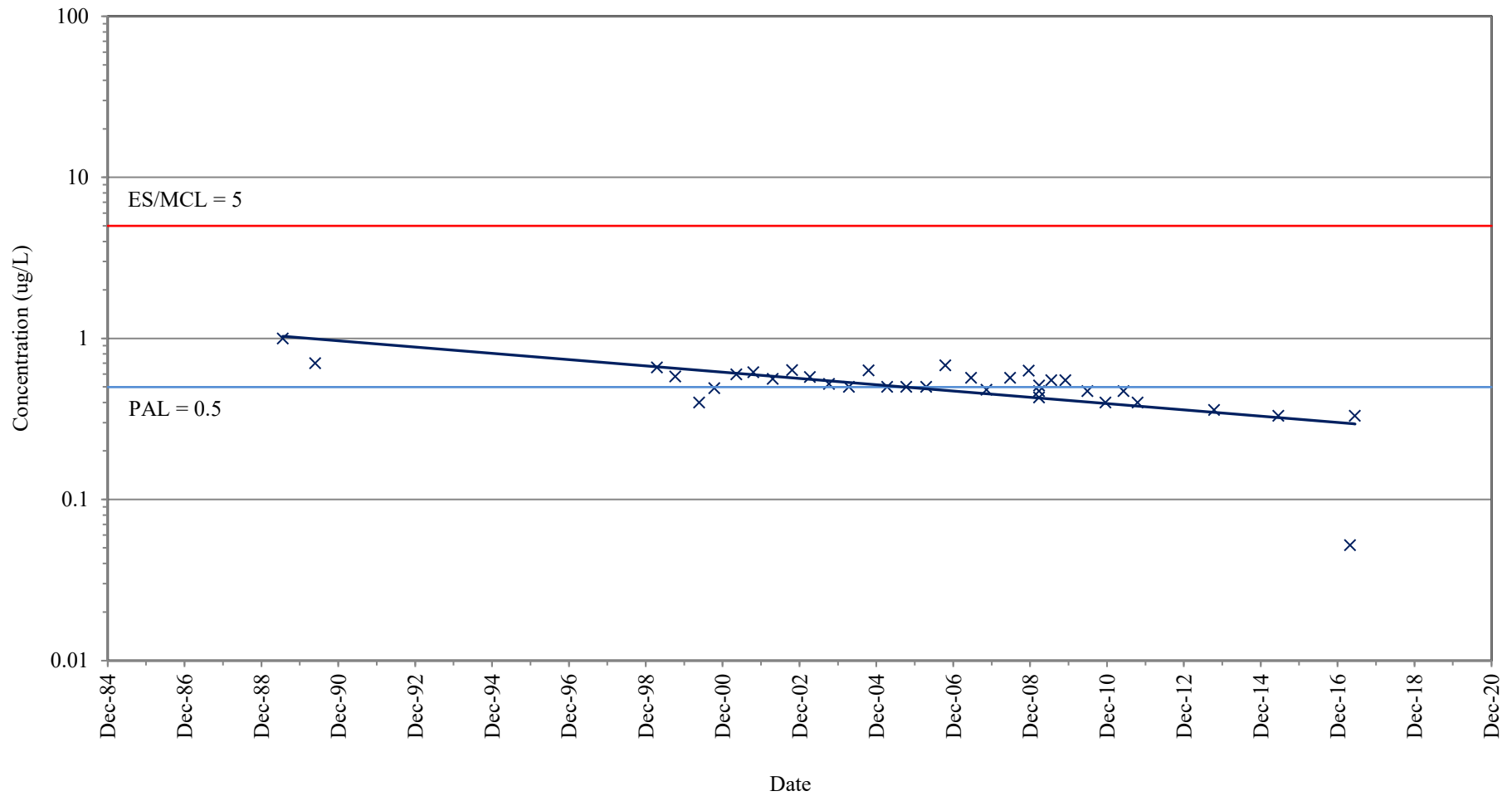




Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 3/4 GROUNDWATER TCE CONCENTRATIONS**  
**MW-27B (GRID COORDINATE L5)**

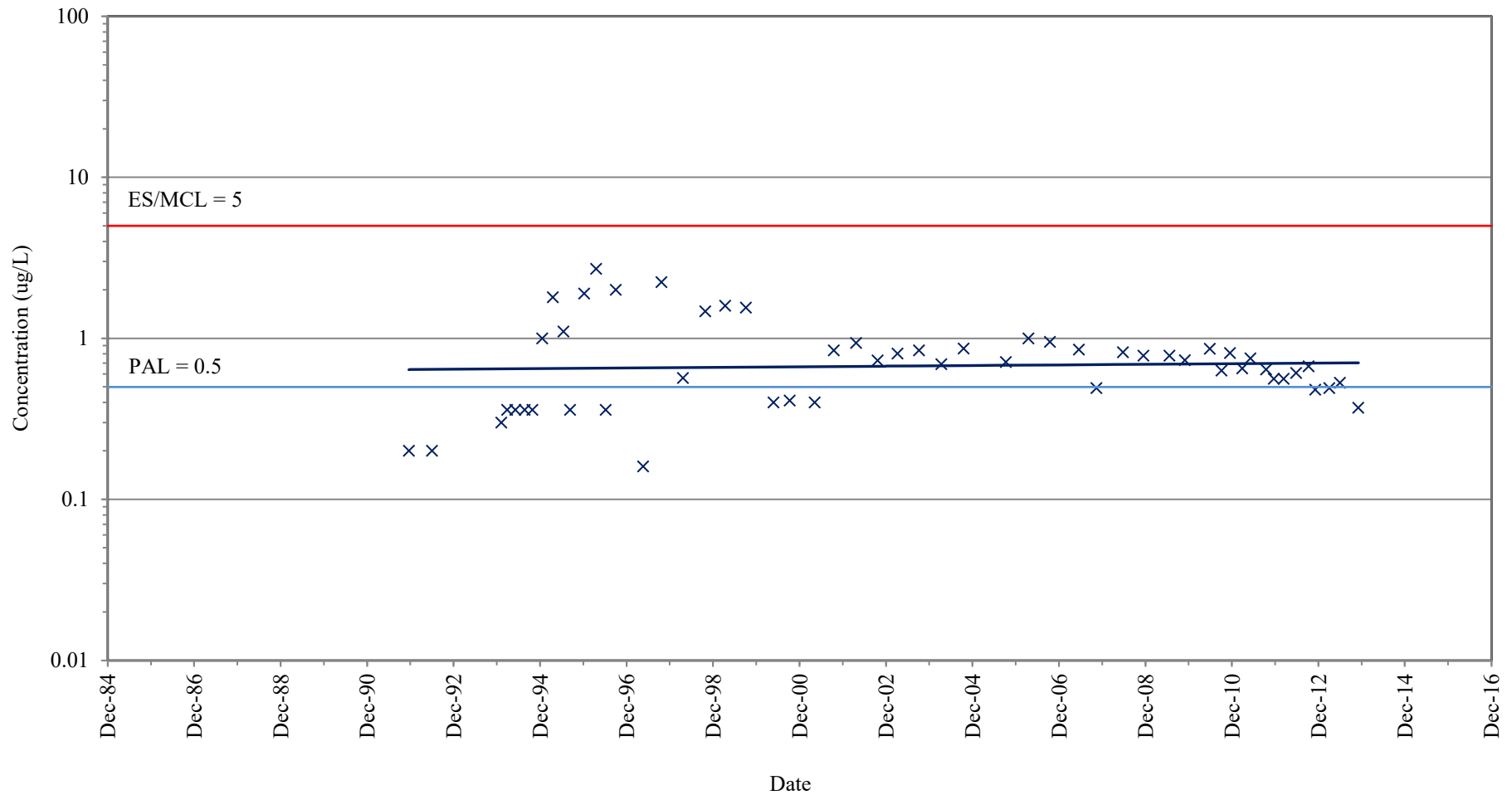
NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN



Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 3/4 GROUNDWATER TCE CONCENTRATIONS**  
**MW-29B (GRID COORDINATE L3)**

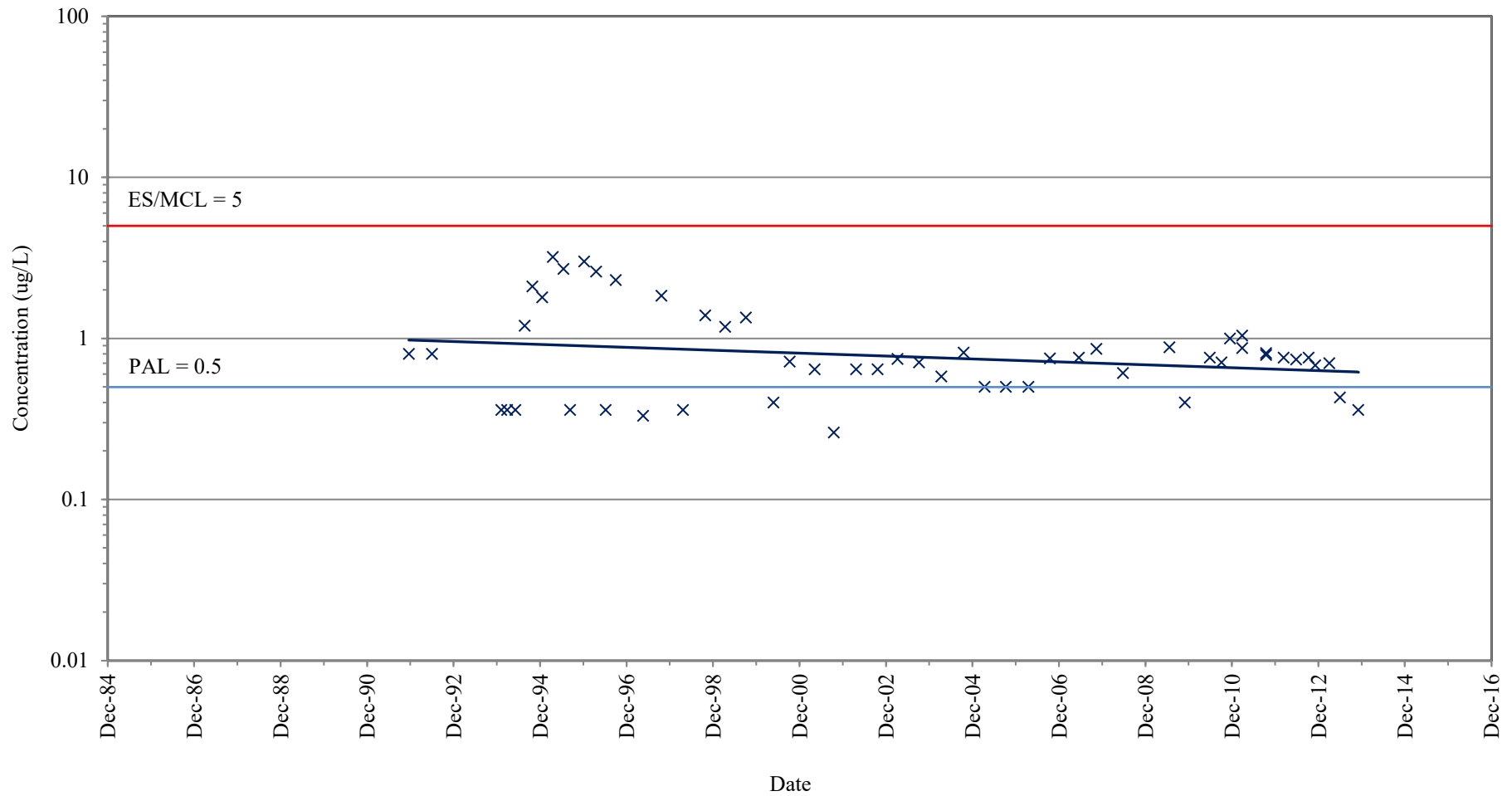
NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN



Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 3/4 GROUNDWATER TCE CONCENTRATIONS**  
**MW-64B (GRID COORDINATE L6)**

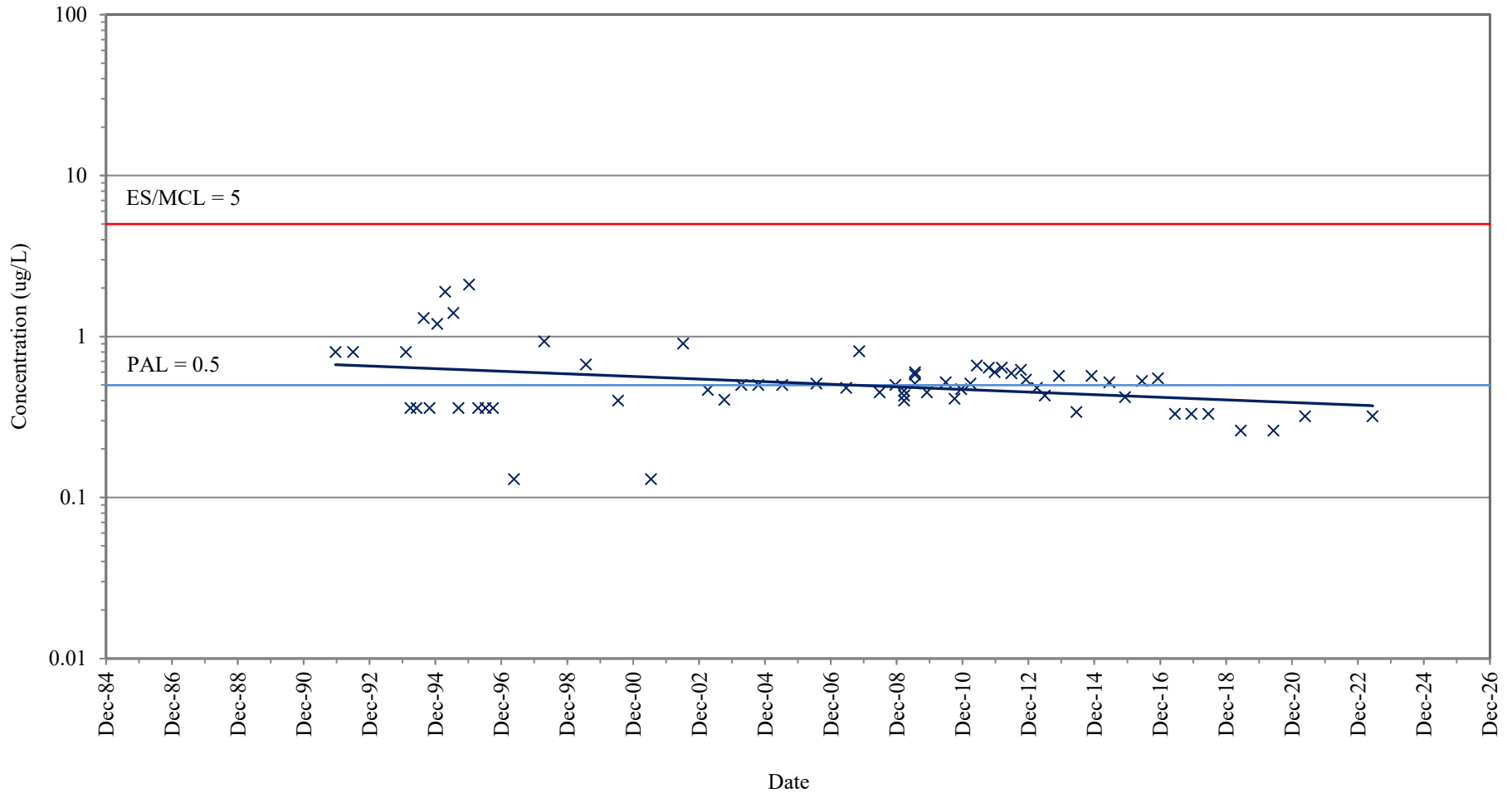
NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN



Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 3/4 GROUNDWATER TCE CONCENTRATIONS**  
**MW-64C (GRID COORDINATE L6)**

NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN

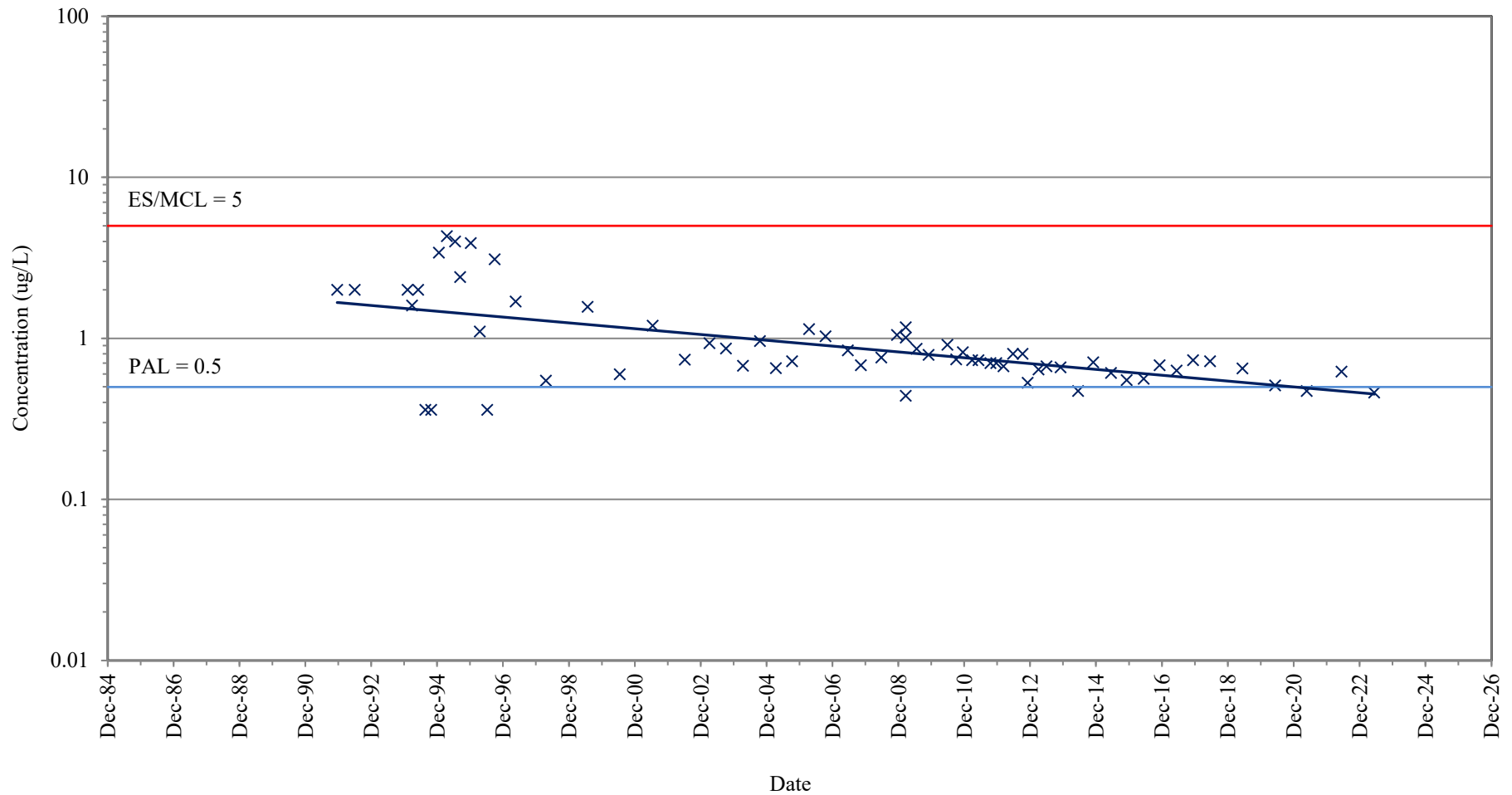


Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

## PLUME 3/4 GROUNDWATER TCE CONCENTRATIONS

MW-65B (GRID COORDINATE L6)

NATIONAL PRESTO INDUSTRIES, INC.  
EAU CLAIRE, WISCONSIN



Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 3/4 GROUNDWATER TCE CONCENTRATIONS**  
**MW-65C (GRID COORDINATE L6)**

NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN