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Re: Annual Interim Remedial Action Status Report for 2022  
National Presto Industries, Inc., Eau Claire, Wisconsin  
USEPA CERCLIS ID WID006196174  
WDNR BRRTS 02-09-000267 and FID 609038320

Dear Glenn and Candace:

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 2022, conclusions based on the historical groundwater monitoring data, and a list of activities to be completed in 2023.

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 2022, 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 2022.

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 includes MW-10A, MW-34A, and MW-70B.

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 2016-2022.

### **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.

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 2022, the MRDS SVE system was offline until March 18<sup>th</sup>. However, it operated with one blower running in "low-flow" mode for 109.4 hours from March 18<sup>th</sup> through 24<sup>th</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 13, 2022, the VFD was adjusted and normal seasonal operation of the SVE system resumed. On December 5<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 2019-2022 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 0.0030 lb/hr and 15.3 lb, respectively, for total VOCs from all three of the SVE systems combined in 2022, the compound-specific emissions of TCE and all other compounds were below their respective limits, as summarized in Tables 2A/B. GF's March 2020 *Annual Interim Remedial Action Status Report for 2019*, March 2021 *Annual Interim Remedial Action Status Report for 2020*, and April 2022 *Annual Interim Remedial Action Status Report - 2021* provide additional detail.

### **GENERAL GROUNDWATER MONITORING INFORMATION**

Groundwater samples were collected for NPI VOC analysis at least once from a total of 43 monitoring wells/piezometers and on-site extraction well EW-6 during the four routine quarterly sampling rounds completed in 2022. 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 2022. Mary validated the data following USEPA guidance documents *National Functional Guidelines for Superfund Organic Methods Data Review*, dated September 2016 and January 2017, and the *National Functional Guidelines for Inorganic Superfund Methods Data Review*, dated September 2016 and January 2017. The reviews were based on Level II data packages supplied by the analytical laboratory. All the VOC and cadmium data reported for 2022 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 2022 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 2022 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 2022, measured elevations in MW-10A ranged from 828.00 to 828.40 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 2022. Likewise, neither of these wells operated in 2015-2021, 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 2022, 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 2022, except it was offline:

- September 1, 2021, through January 16, 2022, for its second trial shutdown and redevelopment, as described in GF's April 2022 *Annual Interim Remedial Action Status Report – 2021* (e.g., see Page 14). In addition, GF's June 2021 *Work Plan for a 12-month Trial Shutdown of Extraction Well EW-6* provides supplemental detail on EW-6.
- November 29 through December 21, 2022, for another round of redevelopment. GF's December 2022 monthly progress report that was submitted to both agencies for the SWC groundwater pump-and-treat system provides more details on the November-December 2022 redevelopment process.

## **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 2022. 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, a CD with Excel workbooks summarizing all historical analytical data, etc. for all wells associated with the site is 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 2022 and a copy of the text of the 2022 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 2022. 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

Two of the five remaining City of Eau Claire monitoring wells (EC wells) were sampled in 2022, as agreed. EC-1 and EC-6 were each 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, EC-5, and EC-2 are no longer being routinely sampled by NPI because:

- EC-5 and EC-7 are outside the former 1993 TCE plume boundary.
- 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. See Table 1 for screened interval information.

Table 5 includes the analytical data for these wells.

### 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, 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 2022. As shown in Table 6, both finished water samples collected in 2022 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. As shown in Table 6, the concentration of TCE in:

- CW-19:
  - Ranged from 0.34J to 0.55 µg/ℓ in 2019, and from 0.26J to 0.30 µg/ℓ in 2020.
  - Was 0.68 µg/ℓ on 5/26/21.
- CW-22:
  - Ranged from 1.7 to 2.0 µg/ℓ in 2019 and was steady at 1.7 µg/ℓ in 2020.
  - Was 1.7 µg/ℓ on 5/26/21.

NPI and GF believe the fluctuating concentrations in CW-19 and CW-22 and gradual changes are attributable to variations in pumping rates and CW-22 (and CW-23) starting to capture more TCE relative to CW-19 over time. This capture pattern progression is consistent with prior results, before CW-22 and CW-23 started operating, when CW-19 was at the leading edge of former Plume 1/2 instead. 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.

During 2022, several hits of PCE were detected in samples collected at the ECMWF, as summarized below.

- During the first quarter of 2022, ECMWF staff collected routine annual samples for VOC analysis at the well field. PCE was detected in the finished water sample at 0.79 µg/ℓ, which is above the NR 140 preventative action limit (PAL) of 0.5 µg/ℓ for PCE. Although PCE was non-detect in a second sample, the WDNR required ECMWF staff to sample and analyze for VOCs quarterly in 2022.
- Field staff from NPI and GF conducted NPI second quarter groundwater monitoring the week of June 13, 2022. Due to PFAS impacts at the ECMWF, monitoring there was limited to collecting a sample of the finished water on June 14<sup>th</sup> for NPI VOC analysis. Although the measured concentration of PCE in the June finished water sample was 6.0 µg/ℓ, which is above the 5 µg/ℓ ES/MCL for PCE, all other analytes were non-detect. NPI VOC sampling results document that PCE at this location had previously been non-detect for more than 20 years.
- 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.

### **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, MW-34A, and MW-70B, the three wells with Cd remaining above its ES/MCL of 5.0 µg/ℓ in 2022. 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 a CD with Excel workbooks summarizing all historical Cd analytical data is 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 2022. 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 three of the nine existing wells/piezometers in the MRDS area and downgradient in former Plume 3/4 were sampled once in 2022. VOC concentrations in two of the three wells were below the laboratory limit of detection. There were no exceedances of the TCE ES of 5.0 µg/ℓ in the 2022 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 2022, with a TCE concentration of 0.62J 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 2022 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. MW-7 is scheduled for abandonment in 2023, 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 operated continuously in 2022, except it was offline September 1, 2021, through January 16, 2022, for its second trial shutdown and redevelopment and November 29 through December 21, 2022, for another round of redevelopment.

Samples of the groundwater pumped from EW-6 were collected three times in 2022 prior to the groundwater's discharge to CAS-2R. As required by the WPDES permit for this discharge, three samples were also collected of the treated effluent from CAS-2R in 2022. 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:

- EW-6 or MH-18 in the fourth quarter of 2022 because EW-6 was offline for redevelopment.
- CAS-1 in 2022 because EW-1R and EW-2 were "non-active" as summarized above.

Table 10 provides the annual volumes of groundwater pumped by NPI for 2019-2022. In 2022, the total volume of treated groundwater, pumped from EW-6 through CAS-2R and discharged to the storm sewer, was 84.60 million gallons. The volume removed from all the extraction wells since March 1994 now totals over 4.81 billion gallons.

Tables 11 and 12 list the concentrations of TCA and TCE, respectively, in the groundwater pumped from the extraction wells for 2019-2022. 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 2022, there is no need to calculate the removal efficiency for CAS-1. Table 11 shows that the TCA removal efficiency of CAS-2R in 2022 ranged from 38 to 48 percent. Table 12 shows that the TCE removal efficiency of CAS-2R in 2022 ranged from 30 to 35 percent. Overall results document that the performance of CAS-2R in 2022 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.

Likewise, 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 2022 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 May 3, 2022, 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 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. Geoprobe sampling will be conducted in the area in 2023 to re-evaluate the effectiveness of the system, as summarized in GF's December 2022 *Work Plan for MW-34/70 Area TCE Degreaser Sludge Confirmation Soil Sampling* report.

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 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.

Because of all remedial activities completed through 2022:

- 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 2016-2022.
- All NPI VOCs were virtually non-existent in the sampled former Plume 3/4 wells, EW-1R, and EW-2. In 2022, 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, and its detected concentration was below the limit of quantitation.
- 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, MW-34A, and MW-70B in 2021.
- Both agencies approved NPI’s request to conduct another 12-month trial shutdown of EW-6. At 11:00 am on February 23, 2023, the pump in EW-6 was turned off. GF’s January 2023 *Work Plan for a 12-Month Trial Shutdown of Extraction Well EW-6* provides supplemental details.

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 (2023)**

NPI plans the following work in 2023:

- 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. Field screen, 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.
- Abandon:
  - MW-1 and MW-7 (both former Plume 3/4 monitoring wells) as approved by both agencies in January 2023.
  - PW-2 (located in Grid Coordinate K7, on the east side of NPI's main building), which was approved for abandonment years ago. However, up until 2022, NPI had opted to maintain the well for water level measurements.
- 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.
- Conduct Geoprobe soil sampling in the MW-34/70 TCE degreaser sludge area.

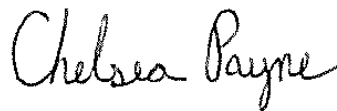
If you have any questions during your review of the report, please call.

Sincerely,

GANNETT FLEMING, INC.



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




Chelsea J. Payne, P.G.  
Project Manager

CCW/jec/Enc.

ecc: Derrick Paul (NPI)  
Ben Spanel (City of Eau Claire)  
LeAnne Addy (Village of Lake Hallie)  
Chelsea Payne (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 	Date 5-22-2023

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 	Date 5-22-2023

NPI Annual Interim Remedial Action Status Report for 2022  
Gannett Fleming, Inc. Project #34283.000

## 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 2022) with 1993 Plume Locations
2	11" x 17" Site Plan Showing June 2022 Groundwater Contours
3	11" x 17" Site Plan with Three Existing SVE System Locations
4	11" x 17" Main Building SVE System and June 2022 SWC Groundwater Contour Map

## TABLES

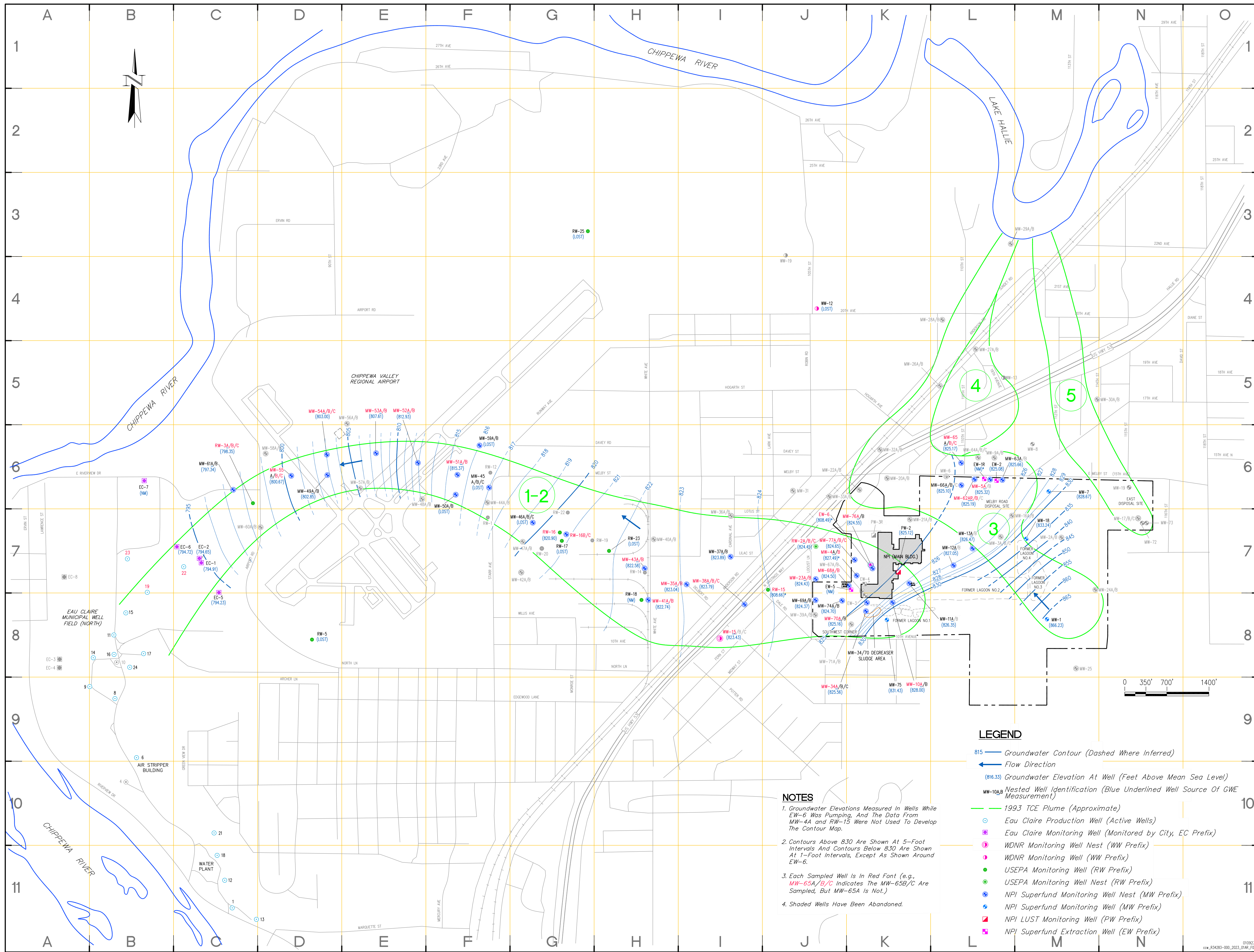
<u>No.</u>	<u>Description</u>
1	Well Construction Information
2A	Emission Threshold Information from NR 445.07, Table A, for Detected VOCs in Exhaust Gas Samples
2B	Summary of Air Emissions from/TCE Removal by NPI SVE Systems (2019-2022)
3	Water Level Measurements for 2022
4	NPI VOC Analytical Results from SWC Extraction Wells EW-5 and EW-6 (2019-2022)
5	NPI VOC Analytical Results from Former Plume 1/2 Monitoring Wells (2019-2022)
6	NPI VOC Analytical Results from the Eau Claire Municipal Well Field (2019-2022)
7	Dissolved Cadmium Analytical Results (2019-2022)
8	NPI VOC Analytical Results from Former Plume 3/4 Wells (2019-2022)
9	NPI VOC Analytical Results from MRDS Extraction Wells (2015-2017)
10	Annual Pumpage from NPI Groundwater Extraction Wells (2019-2022)
11	TCA Concentrations in NPI Pumped Groundwater (2019-2022)
12	TCE Concentrations in NPI Pumped Groundwater (2019-2022)
13	Summary of Results from Manhole MH-18 Sampling (2019-2022)
14	Groundwater Sampling and Well Abandonment Schedule for 2023
15	Long-term Stewardship Plan Verification/Confirmation Summary for 2022

## APPENDICES

A	CD with Historical Data Summary Workbooks (available upon request)
B	Laboratory Reports for 2022 Groundwater Analytical Data (available upon request)
C	Text of the 2022 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.	07/07/22	KJF
1	FIRST DRAFT.	01/05/23	CJP
2	SECOND DRAFT.	01/09/23	CJP

**AREA SITE PLAN WITH WELL AND 1993 PLUME LOCATIONS AND 2022 ANNUAL REPORT NATIONAL PRESTO INDUSTRIES, INC. AND EAU CLAIRE MUNICIPAL WELL FIELD**  
EAU CLAIRE, WISCONSIN

**Gannett Fleming**  
HARRISBURG, PENNSYLVANIA  
MADISON, WISCONSIN

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PROJECT  
2022 ANNUAL REPORT  
NATIONAL PRESTO INDUSTRIES, INC.  
EAU CLAIRE, WISCONSIN

TITLE  
**WATER TABLE GROUNDWATER CONTOUR MAP (JUNE 2022) WITH 1993 PLUME LOCATIONS**

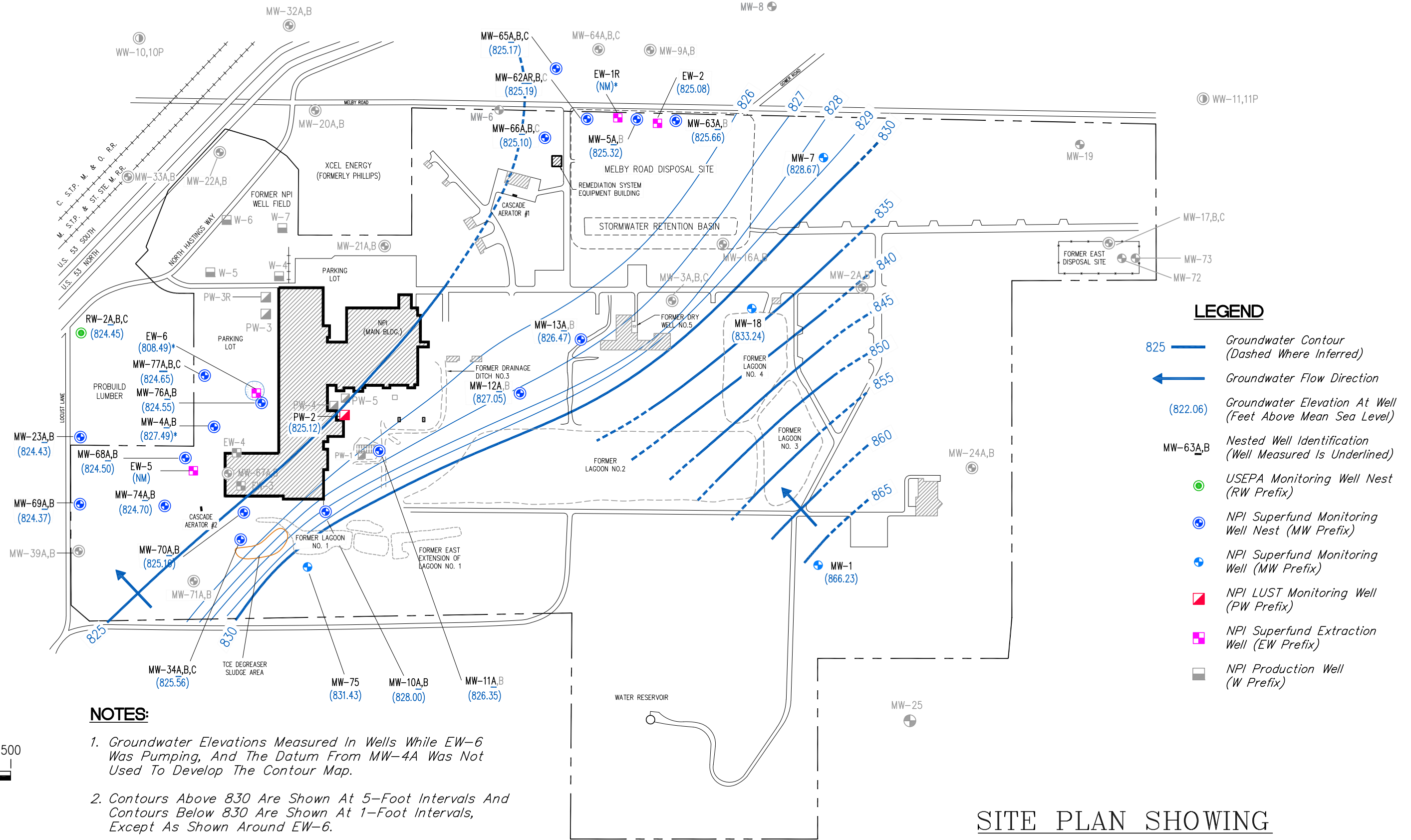
HARRISBURG, PENNSYLVANIA	MADISON, WISCONSIN
DRAWN BY KJF	SCALE 1" = 700'
DESIGNED BY CJP	PROJECT No. 34283.000
APPROVED BY CCW	DRAWING No. <b>FIGURE 1</b>
DATE JAN 2023	

- 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)
  - ⊕ WDNR Monitoring Well (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**
- Groundwater Elevations Measured In Wells While EW-6 Was Pumping, And The Data From 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, Except As Shown Around EW-6.
  - 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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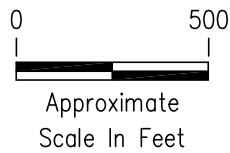


**LEGEND**

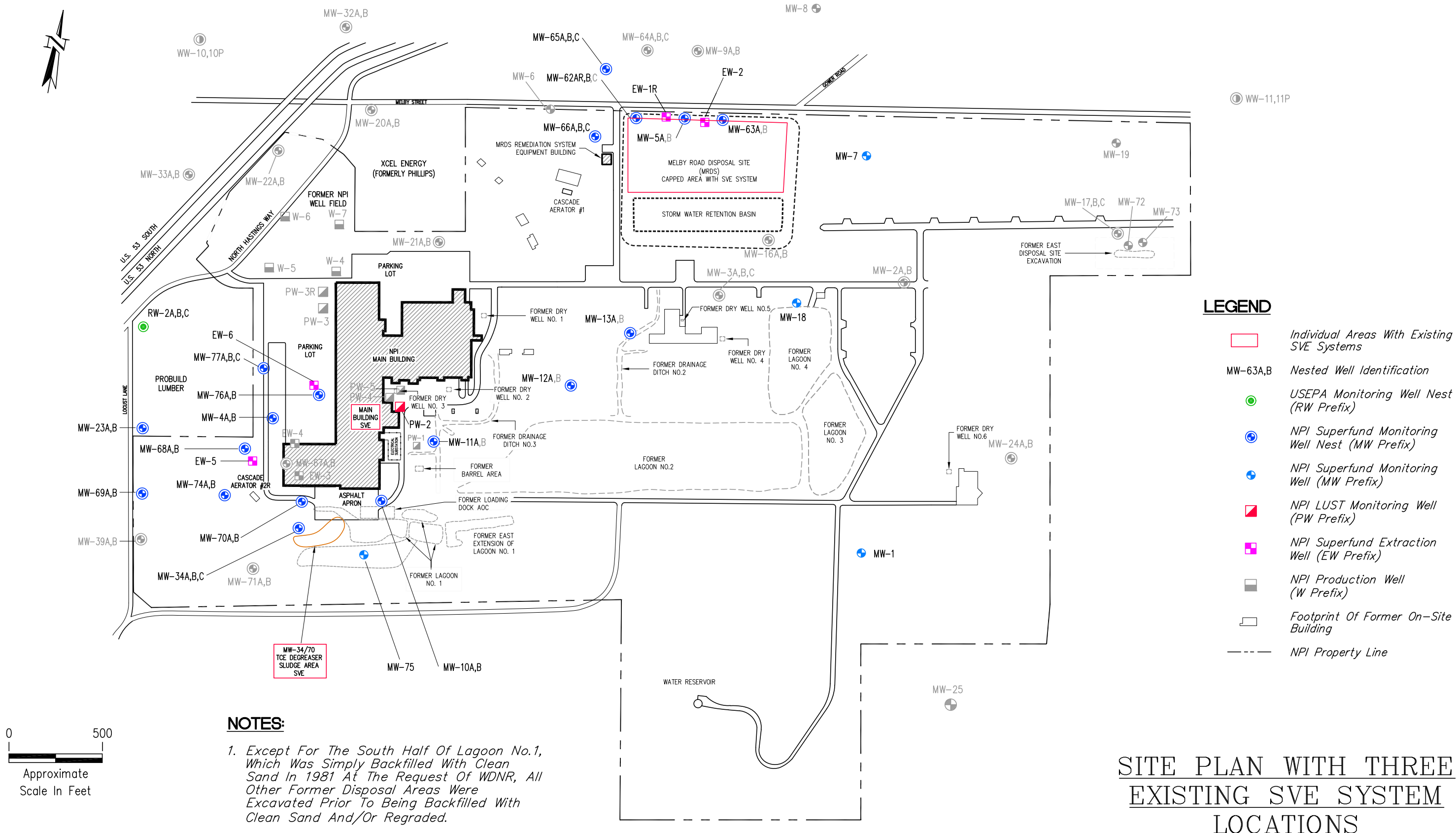
- 825 — Groundwater Contour (Dashed Where Inferred)
- ← Groundwater Flow Direction
- (822.06) Groundwater Elevation At Well (Feet Above Mean Sea Level)
- MW-63A,B Nested Well Identification (Well Measured Is Underlined)
- USEPA Monitoring Well Nest (RW Prefix)
- ⊕ NPI Superfund Monitoring Well Nest (MW 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. Groundwater Elevations Measured In Wells While EW-6 Was Pumping, And 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, Except As Shown Around EW-6.
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 2022 GROUNDWATER CONTOURS**  
2022 ANNUAL REPORT  
NATIONAL PRESTO INDUSTRIES, INC.  
EAU CLAIRE, WISCONSIN



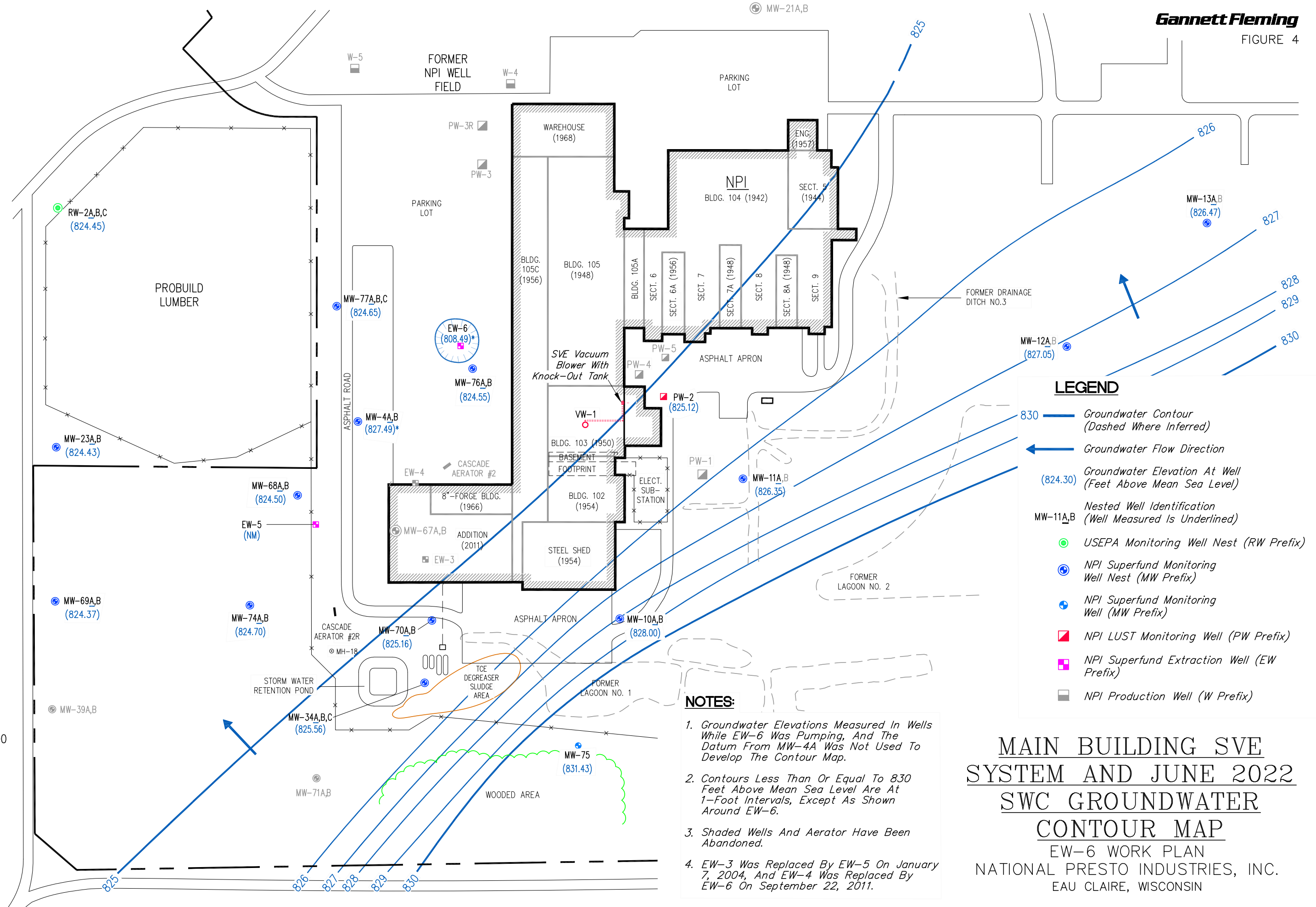
**LEGEND**

- 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

2022 ANNUAL REPORT  
NATIONAL PRESTO INDUSTRIES, INC.  
EAU CLAIRE, WISCONSIN



**LEGEND**

- Groundwater Contour (Dashed Where Inferred)
- Groundwater Flow Direction
- Groundwater Elevation At Well (Feet Above Mean Sea Level) (824.30)
- Nested Well Identification (Well Measured Is Underlined) MW-11A,B
- USEPA Monitoring Well Nest (RW Prefix) RW-2A,B,C
- NPI Superfund Monitoring Well Nest (MW Prefix) MW-77A,B,C
- NPI Superfund Monitoring Well (MW Prefix) MW-13A,B
- NPI LUST Monitoring Well (PW Prefix) PW-2
- NPI Superfund Extraction Well (EW Prefix) EW-6
- NPI Production Well (W Prefix) W-5

- NOTES:**
1. Groundwater Elevations Measured In Wells While EW-6 Was 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 2022  
SWC GROUNDWATER  
CONTOUR MAP**

EW-6 WORK PLAN  
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
CW-10	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
EC-3	1/2	A8		--	12/23/82	53-75	--	6	P	Steel	799.58	09/04/08
EC-4	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
EC-7 (approved for ABND)	1/2	B6	(1)	--	01/05/83	19-29	--	4	P	Steel	816.22	NA
EC-8	1/2	A7		--	01/07/83	20-30	--	4	--	Steel	812.93	09/04/08
EW-1 (fka MW-14)	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
EW-3 (Last sampled 7/22/03)	1/2	K8		MR	09/01/92	65.2-85.2	Alluvium	6	Vault	Steel	897.22	06/24/10
EW-4	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
MW-1	3/4	M8	(3)	HSA	10/26/76	39.5-49.5	Alluvium	2	P	PVC	910.26	NA
MW-2A	3/4	M7	(3,4)	HSA	10/27/76	45-55	Bedrock	2	--	PVC	905.19	07/15/88
MW-2B	3/4	M7	(3)	HSA	10/27/76	6-16	Alluvium	2	--	PVC	905.19	07/15/88
MW-3A	3/4	L7	(3,4)	HSA	10/28/76	69-72	Bedrock	2	--	PVC	899.95	07/15/88
MW-3B	3/4	L7	(3,4)	HSA	10/28/76	73-76	Bedrock	2	--	PVC	899.95	07/15/88
MW-3C	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



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-5A	3/4	L6	(3)	HSA	02/27/84	64-81	Alluvium	2	P	PVC	902.60	NA
MW-5B	3/4	L6	(3)	MR	12/05/86	87-97	Alluvium	2	P	PVC	902.39	04/21/20
MW-6	3/4	L6	(3)	HSA	01/10/85	73.8-88.8	Alluvium	2	P	PVC	904.70	02/24/22
MW-7	3/4	M6	(3,4)	MR	01/08/85	62-77	Bedrock	2	P	PVC	897.73	NA
MW-8	3/4	M6	(3)	HSA	01/11/85	75-90	Alluvium	2	P	PVC	904.24	05/07/18
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



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-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
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

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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
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

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-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
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 (approved for ABND)	1/2	K7	(8)	HSA	01/03/94	66-76	Alluvium	2	--	PVC	894.71	NA
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

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
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
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

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-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 (136).

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

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.

MR = Mud rotary.

MW = NPI monitoring well.

NA = Not abandoned.

P = Pro top well.

PVC = Polyvinyl chloride.

PW = NPI petroleum UST well for PW-1 through PW-5 on site and 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 (2019-2022)<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)
2019	0.00187	13.5	35.6	0.0023	15.9	NC	NC	0.00030	0.70	0.0021	8.4	207.6	0.0024	9.9	0.0050	26.5
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

**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.

NATIONAL PRESTO INDUSTRIES, INC.  
EAU CLAIRE, WISCONSIN

TABLE 3

2022 WATER LEVEL MEASUREMENTS<sup>(1)</sup>

Well Group/ Well ID	Measuring Point Elevation (ft MSL)	3/24/2022 (Q1)		6/13-15/2022 (Q2)		8/30/2022 (Q3)		12/5/2022 (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	19.04	794.91	20.05	793.90	NM	NM
EC-2	814.44	NM	NM	19.79	794.65	NM	NM	NM	NM
EC-5	813.56	NM	NM	19.33	794.23	NM	NM	NM	NM
EC-6	813.19	NM	NM	18.47	794.72	19.45	793.74	NM	NM
EW-5	889.90	NM	NM	NM	NM	NM	NM	NM	NM
EW-6	894.89	84.46	810.43	86.40	808.49	87.78	807.11	NM	NM
MW-4A	897.25	NM	NM	69.76	827.49	NM	NM	NM	NM
MW-4B	896.65	NM	NM	69.76	826.89	NM	NM	NM	NM
MW-10A	894.60	66.23	828.37	66.60	828.00	66.20	828.40	66.37	828.23
MW-10B	894.91	NM	NM	67.07	827.84	66.91	828.00	NM	NM
MW-11A	897.20	NM	NM	70.85	826.35	NM	NM	NM	NM
MW-12A	896.95	NM	NM	69.90	827.05	NM	NM	NM	NM
MW-23A	895.99	NM	NM	71.56	824.43	NM	NM	NM	NM
MW-23B	895.95	NM	NM	71.27	824.68	NM	NM	NM	NM
MW-34A	895.36	69.53	825.83	69.80	825.56	69.62	825.74	69.70	825.66
MW-34B	895.28	NM	NM	69.71	825.57	69.53	825.75	NM	NM
MW-34C	895.25	NM	NM	69.58	825.67	NM	NM	NM	NM
MW-35A	888.28	NM	NM	65.24	823.04	NM	NM	NM	NM
MW-35B	888.02	NM	NM	64.96	823.06	NM	NM	NM	NM
MW-37A	885.55	NM	NM	61.66	823.89	NM	NM	NM	NM
MW-37B	885.27	NM	NM	61.38	823.89	NM	NM	NM	NM
MW-38A	884.89	NM	NM	61.10	823.79	NM	NM	NM	NM
MW-38B	884.82	NM	NM	60.95	823.87	NM	NM	NM	NM
MW-38C	884.83	NM	NM	60.93	823.90	NM	NM	NM	NM
MW-41A	884.04	NM	NM	61.30	822.74	NM	NM	NM	NM
MW-41B	883.84	NM	NM	61.08	822.76	NM	NM	NM	NM
MW-43A	885.34	NM	NM	62.76	822.58	NM	NM	NM	NM
MW-43B	885.35	NM	NM	62.79	822.56	NM	NM	NM	NM
MW-49A	883.04	NM	NM	80.19	802.85	NM	NM	NM	NM
MW-49B	883.02	NM	NM	80.22	802.80	NM	NM	NM	NM
MW-51A	884.02	NM	NM	68.65	815.37	NM	NM	NM	NM
MW-51B	883.99	NM	NM	68.52	815.47	NM	NM	NM	NM

TABLE 3

 2022 WATER LEVEL MEASUREMENTS<sup>(1)</sup>

Well Group/ Well ID	Measuring Point Elevation (ft MSL)	3/24/2022 (Q1)		6/13-15/2022 (Q2)		8/30/2022 (Q3)		12/5/2022 (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-52A	884.13	NM	NM	71.20	812.93	NM	NM	NM	NM
MW-52B	884.12	NM	NM	71.12	813.00	NM	NM	NM	NM
MW-53A	887.93	NM	NM	80.32	807.61	NM	NM	NM	NM
MW-53B	888.25	NM	NM	80.45	807.80	NM	NM	NM	NM
MW-54A	882.42	NM	NM	79.42	803.00	NM	NM	NM	NM
MW-54B	882.43	NM	NM	79.50	802.93	NM	NM	NM	NM
MW-54C	882.54	NM	NM	79.41	803.13	NM	NM	NM	NM
MW-55A	881.75	NM	NM	81.08	800.67	NM	NM	NM	NM
MW-55B	882.08	NM	NM	80.45	801.63	NM	NM	NM	NM
MW-55C	881.91	NM	NM	81.17	800.74	NM	NM	NM	NM
MW-61A	879.37	NM	NM	82.03	797.34	NM	NM	NM	NM
MW-61B	879.58	NM	NM	82.19	797.39	NM	NM	NM	NM
MW-68A	896.47	NM	NM	71.97	824.50	NM	NM	NM	NM
MW-68B	896.77	NM	NM	72.30	824.47	72.12	824.65	NM	NM
MW-69A	898.02	NM	NM	73.65	824.37	NM	NM	NM	NM
MW-69B	898.23	NM	NM	73.67	824.56	NM	NM	NM	NM
MW-70A	893.49	ice	ice	68.33	825.16	68.15	825.34	58.22	835.27
MW-70B	893.52	NM	NM	68.40	825.12	68.20	825.32	NM	NM
MW-74A	896.08	NM	NM	71.38	824.70	NM	NM	NM	NM
MW-74B	895.88	NM	NM	71.14	824.74	NM	NM	NM	NM
MW-75	890.61	NM	NM	59.18	831.43	59.04	831.57	NM	NM
MW-76A	894.80	70.00	824.80	70.25	824.55	70.02	824.78	69.93	824.87
MW-76B	895.12	NM	NM	70.56	824.56	NM	NM	NM	NM
MW-77A	895.22	NM	NM	70.57	824.65	NM	NM	70.41	824.81
MW-77B	895.21	NM	NM	70.52	824.69	NM	NM	70.39	824.82
MW-77C	895.18	NM	NM	70.50	824.68	NM	NM	NM	NM
PW-2	894.46	NM	NM	69.34	825.12	NM	NM	NM	NM
RW-2A	897.18	NM	NM	72.73	824.45	NM	NM	NM	NM
RW-2B	896.78	NM	NM	72.30	824.48	NM	NM	NM	NM
RW-2C	897.57	NM	NM	73.12	824.45	NM	NM	NM	NM
RW-3A	881.78	NM	NM	83.43	798.35	NM	NM	NM	NM
RW-3B	881.48	NM	NM	83.06	798.42	NM	NM	83.25	798.23
RW-3C	881.30	NM	NM	82.90	798.40	NM	NM	83.09	798.21
RW-15	874.76	NM	NM	66.10	808.66	NM	NM	NM	NM
RW-16	888.87	NM	NM	67.97	820.90	NM	NM	NM	NM

TABLE 3

2022 WATER LEVEL MEASUREMENTS<sup>(1)</sup>

Well Group/ Well ID	Measuring Point Elevation (ft MSL)	3/24/2022 (Q1)		6/13-15/2022 (Q2)		8/30/2022 (Q3)		12/5/2022 (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)
RW-16B	889.66	NM	NM	68.75	820.91	NM	NM	NM	NM
RW-16C	890.01	NM	NM	69.10	820.91	NM	NM	NM	NM
WW-15	882.61	NM	NM	59.18	823.43	NM	NM	NM	NM
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	76.38	825.08	NM	NM	NM	NM
MW-1	910.26	NM	NM	44.03	866.23	NM	NM	NM	NM
MW-5A	902.60	NM	NM	77.28	825.32	NM	NM	NM	NM
MW-7	897.73	NM	NM	69.06	828.67	NM	NM	NM	NM
MW-13A	896.72	NM	NM	70.25	826.47	NM	NM	NM	NM
MW-18	898.38	NM	NM	65.14	833.24	NM	NM	NM	NM
MW-62AR	901.69	NM	NM	76.50	825.19	NM	NM	NM	NM
MW-62B	901.79	NM	NM	76.59	825.20	NM	NM	NM	NM
MW-63A	902.59	NM	NM	76.93	825.66	NM	NM	NM	NM
MW-65A	891.68	NM	NM	66.51	825.17	NM	NM	NM	NM
MW-65B	891.62	NM	NM	66.42	825.20	NM	NM	NM	NM
MW-65C	891.77	NM	NM	66.59	825.18	NM	NM	NM	NM
MW-66A	897.70	NM	NM	72.60	825.10	NM	NM	NM	NM
MW-66B	897.26	NM	NM	72.14	825.12	NM	NM	NM	NM

NOTE:

NM = Not measured.

FOOTNOTE:

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

NATIONAL PRESTO INDUSTRIES, INC.  
EAU CLAIRE, WISCONSIN

TABLE 4

NPI VOC ANALYTICAL RESULTS FROM SWC EXTRACTION WELLS EW-5 AND EW-6 (2019-2022)

Well ID Sample Date	Sample Method/ Level	NPI Volatile Organic Compound (VOC) Concentration (µg/l) and Results Qualifier(s)									
		I,I-DCA	I,I-DCE	PCE	I,I,I-TCA	TCE					
MCL/ES/PAL		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>											
03/25/19	G	0.27	UA	0.24	UA	0.33	UA	0.97	JA	<i>0.83</i>	JA
06/12/19	G	0.27	UA	0.24	UA	0.33	UA	0.99	JA	<i>0.71</i>	JA
08/19/19	G	0.27	UA	0.24	UA	0.33	UA	1.05	A	<i>0.72</i>	JA
12/03/19	G	0.27	UA	0.24	UA	0.33	UA	0.99	JA	<i>0.61</i>	JA
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										

**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, and NPI stopped sampling the well in 2018, as approved by both agencies.

(2) EW-6 was temporarily shut down 01/16/17 - 04/27/17 and 09/01/21 - 01/17/22, 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 (2019-2022)<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)									
		I,I-DCA		I,I-DCE		PCE		I,I,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)											
6/11/19	M	0.27	U	0.24	U	0.33	U	0.24	U	1.1	
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
EC-2 (monitoring well at Grid Coordinate C7 no longer scheduled for routine sampling)											
6/11/19	M	0.27	UA	0.24	UA	0.33	UA	0.24	UA	0.26	UA
EC-6 (monitoring well at Grid Coordinate C7 no longer scheduled for routine sampling)											
6/11/19	M	0.27	U	0.24	U	0.33	U	0.24	U	0.26	U
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)											
8/19/19	M	0.27	U	0.24	U	0.33	U	0.24	U	0.26	U
11/29/21	M	0.30	U	0.58	U	0.41	U	0.30	U	0.32	U
MW-4B (piezometer at Grid Coordinate K7)											
3/25/19	M	0.27	U	0.24	U	0.33	U	0.24	U	0.29	J
6/10/19	M	0.27	U	0.24	U	0.33	U	0.24	U	0.36	J
12/3/19	M	0.27	U	0.24	U	0.33	U	0.24	U	0.26	U
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
MW-23A (monitoring well at Grid Coordinate J7)											
6/12/19	M	0.27	UA	0.24	UA	0.33	UA	0.24	UA	0.64	JA
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
MW-23B (piezometer at Grid Coordinate J7)											
6/12/19	M	0.27	U	0.24	U	0.33	U	0.34	J	1.9	
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	
MW-34A (monitoring well at Grid Coordinate K8)											
3/25/19	M	0.27	U	0.24	U	0.33	U	0.24	U	0.26	U
6/10/19	M	0.27	U	0.24	U	0.33	U	0.24	U	0.26	U
12/3/19	M	0.31	J	0.24	U	0.33	U	0.24	U	0.26	U
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

TABLE 5

 NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 1/2 MONITORING WELLS (2019-2022)<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)									
		I,I-DCA		I,I-DCE		PCE		I,I,TCA		TCE	
		None/850/85		7/7/0.7		5/5/0.5		200/200/40		5/5/0.5	
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
12/5/22	M	0.30	UA	0.58	UA	0.41	UA	0.30	UA	0.32	UA
MW-34B (piezometer at Grid Coordinate K8 no longer scheduled for routine NPI VOC sampling)											
6/10/19	M	0.27	U	0.24	U	0.33	U	0.24	U	0.26	U
MW-34C (piezometer at Grid Coordinate K8 no longer scheduled for routine sampling)											
6/10/19	M	0.27	U	0.24	U	0.33	U	0.24	U	0.26	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
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	

TABLE 5

 NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 1/2 MONITORING WELLS (2019-2022)<sup>(1)</sup>

Well ID Sample Date	Sample Method/ Level	NPI Volatile Organic Compound (VOC) Concentration (µg/l) and Results Qualifier(s)									
		I,I-DCA		I,I-DCE		PCE		I,I,TCA		TCE	
MCL/ES/PAL		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	
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 (2019-2022)<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)									
		I,I-DCA		I,I-DCE		PCE		I,I,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	
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 (2019-2022)<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)									
		I,I-DCA		I,I-DCE		PCE		I,I,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	
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 (2019-2022)<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)									
		I,I-DCA		I,I-DCE		PCE		I,I,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	
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 (2019-2022)<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)									
		I,I-DCA		I,I-DCE		PCE		I,I,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	
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 (2019-2022)<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)									
		I,I-DCA		I,I-DCE		PCE		I,I,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	
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 (2019-2022)<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)									
		I,I-DCA		I,I-DCE		PCE		I,I,TCA		TCE	
		None/850/85		7/7/0.7		5/5/0.5		200/200/40		5/5/0.5	
3/16/98	NR		NA		NA		NA		NA	1.01	
4/16/99	NR	9.52	CSH,MSH	1.11	MSH	0.38	J,Dup	15.3		3.57	CSH
10/7/99	NR	9.16		1.1		0.304	J,MSL	15.3		2.93	
5/23/00	NR	6.35		0.92	CSH	0.263	J	8.27		2.19	
10/12/00	NR	1.57		0.15	U	0.15	U	2.39		0.73	
5/9/01	NR	0.371	J	0.15	U	0.15	U	0.718		0.4	U
10/18/01	NR	3.01		0.38	U	0.313	J	5.37		2.63	
4/22/02	NR	2.35		0.39	U,SPL	0.32	U,SPL	6		1.81	
10/23/02	NR	3.37		0.39	U	0.33	J,Dup	6.38		2.49	
4/9/03	NR	1.06	J	0.39	U	0.32	U	3.77		2.24	
10/8/03	NR	2.34		0.39	U	0.32	U	4.61		2.43	
4/13/04	NR	1.86		0.5	U	0.45	U	0.42	U	2.27	
10/19/04	NR	1.97		0.5	U	0.45	U	3.9		2.62	
4/12/05	NR	1.27	J	0.5	U	0.45	U	2.91		2.44	
10/11/05	NR	1.18	J	0.5	U	0.45	U	2.84		2.74	
4/18/06	NR	1.44	J	0.5	U	0.45	U	2.77		3.13	
10/18/06	NR	1		0.5		0.32	J	2.79		3.05	
6/20/07	NR	0.67		0.44	J	0.3	U	2.09		2.55	
11/13/07	NR	0.53	J	0.4	U	0.3	U	1.79		2.23	
6/25/08	NR	0.49	J	0.4	U	0.3	U	1.91		2.75	
12/16/08	NR	0.42	J	0.76		0.3	U	1.66		2.63	
7/21/09	M	0.59	J,CSH	1	U	0.3	U	0.165	J	2.56	
12/1/09	M	0.46	J	0.4	J	0.3	U	1.5	J	2.69	
6/29/10	M	0.47	J	0.4	U	0.3	U	1.5	J	2.95	
3/29/11	M	0.4	U	0.4	U	0.3	U	1.22	J	2.25	
6/7/11	M	0.4	U	0.4	U	0.3	U	0.95	J	1.92	
10/18/11	M	0.4	U	0.4	U	0.3	U	1.15	J	2.47	
10/10/12	M	0.75	U	0.57	U	0.45	U	0.9	U	2.2	
7/2/13	M	0.28	U	0.43	U	0.47	U	0.82	J	2.3	
6/18/14	M	0.24	U	0.41	U	0.50	U	0.58	J	1.9	
6/17/15	M	0.24	U	0.41	U	0.50	U	0.50	U	2.2	
6/14/16	M	0.24	U	0.41	U	0.50	U	0.54	J	2.0	
6/13/17	M	0.24	U	0.41	U	0.50	U	0.54	J	1.7	
6/19/18	M	0.24	U	0.41	U	0.50	U	0.50	U	1.5	
6/11/19	M	0.27	UA	0.24	UA	0.33	UA	0.35	JA	1.35	A
6/10/20	M	0.27	U	0.24	U	0.33	U	0.44	J	1.3	
5/25/21	M	0.30	U	0.58	U	0.41	U	0.30	UJ	1.1	J
6/14/22	M	0.30	UA	0.58	UA	0.41	UA	0.45	JA	1.35	A
MW-45A (monitoring well at Grid Coordinate F6 inadvertently destroyed by excavation contractor in second half of 2019)											
6/11/19	M	0.27	U	0.24	U	0.33	U	0.24	U	0.96	J
MW-45B (piezometer at Grid Coordinate F6 inadvertently destroyed by excavation contractor in the second half of 2019)											
6/11/19	M	0.27	UA	0.24	UA	0.33	UA	0.24	UA	2.1	A

TABLE 5

 NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 1/2 MONITORING WELLS (2019-2022)<sup>(1)</sup>

Well ID Sample Date	Sample Method/ Level	NPI Volatile Organic Compound (VOC) Concentration (µg/l) and Results Qualifier(s)									
		I,I-DCA		I,I-DCE		PCE		I,I,TCA		TCE	
MCL/ES/PAL		None/850/85		7/7/0.7		5/5/0.5		200/200/40		5/5/0.5	
MW-45C (piezometer at Grid Coordinate F6 inadvertently destroyed by excavation contractor in the second half of 2019)											
6/11/19	M	0.27	U	0.24	U	0.33	U	0.24	U	1.8	
MW-49A (monitoring well at Grid Coordinate D6)											
6/11/19	M	0.27	U	0.24	U	0.33	U	0.24	U	0.50	J
5/26/21	M	0.30	U	0.58	U	0.41	U	0.30	U	0.41	J
MW-49B (piezometer at Grid Coordinate D6 no longer scheduled for routine sampling)											
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	U
MW-51A (monitoring well at Grid Coordinate F6 no longer scheduled for routine sampling)											
6/11/19	M	0.27	UA	0.24	UA	0.33	UA	0.24	UA	0.28	JUA
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	
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

TABLE 5

 NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 1/2 MONITORING WELLS (2019-2022)<sup>(1)</sup>

Well ID Sample Date	Sample Method/ Level	NPI Volatile Organic Compound (VOC) Concentration (µg/l) and Results Qualifier(s)									
		I,I-DCA		I,I-DCE		PCE		I,I,TCA		TCE	
MCL/ES/PAL		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	
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	
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	
4/14/04	NR	0.5	U	0.5	U	0.45	U	0.919		4.08	

TABLE 5

 NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 1/2 MONITORING WELLS (2019-2022)<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)									
		I,I-DCA		I,I-DCE		PCE		I,I,TCA		TCE	
		None/850/85	7/7/0.7	5/5/0.5	200/200/40	5/5/0.5					
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	
MW-54A (monitoring well at Grid Coordinate D6 no longer scheduled for routine sampling)											
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	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 (2019-2022)<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)									
		I,I-DCA		I,I-DCE		PCE		I,I,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	
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	
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	

TABLE 5

 NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 1/2 MONITORING WELLS (2019-2022)<sup>(1)</sup>

Well ID Sample Date	Sample Method/ Level	NPI Volatile Organic Compound (VOC) Concentration (µg/l) and Results Qualifier(s)									
		I,I-DCA		I,I-DCE		PCE		I,I,TCA		TCE	
MCL/ES/PAL		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
MW-68A (monitoring well at Grid Coordinate J7)											
3/25/19	M	0.27	U	0.24	U	0.33	U	0.24	U	0.39	J
6/10/19	M	0.27	U	0.24	U	0.33	U	0.24	U	0.33	J
12/3/19	M	0.27	U	0.24	U	0.33	U	0.24	U	0.26	U
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
MW-68B (piezometer at Grid Coordinate J7)											
3/25/19	M	0.27	U	0.24	U	0.33	U	0.24	U	0.26	U
6/10/19	M	0.27	U	0.24	U	0.33	U	0.24	U	0.26	J
12/3/19	M	0.27	U	0.24	U	0.33	U	0.24	U	0.26	U
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
MW-70A (monitoring well at Grid Coordinate K8)											
3/25/19	M	0.27	U	0.24	U	0.33	U	0.24	U	0.88	J
6/10/19	M	0.27	U	0.24	U	0.33	U	0.24	U	1.0	J
8/19/19	M	0.27	U	0.24	U	0.33	U	0.24	U	0.71	J
12/3/19	M	0.27	U	0.24	U	0.33	U	0.24	U	0.38	J
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
MW-70B (piezometer at Grid Coordinate K8 no longer scheduled for routine NPI VOC sampling)											
8/19/19	M	0.27	U	0.24	U	0.33	U	0.24	U	0.26	U
MW-74A (monitoring well at Grid Coordinate J8 no longer scheduled for routine sampling)											
6/10/19	M	0.27	U	0.24	U	0.33	U	0.24	U	0.26	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



TABLE 5

 NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 1/2 MONITORING WELLS (2019-2022)<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)									
		I,I-DCA		I,I-DCE		PCE		I,I,TCA		TCE	
		None/850/85		7/7/0.7		5/5/0.5		200/200/40		5/5/0.5	
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
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
MW-76B (piezometer at Grid Coordinate K7 no longer scheduled for routine sampling)											
6/10/19	M	0.27	U	0.24	U	0.33	U	0.24	U	0.26	U
11/29/21	M	0.30	U	0.58	U	0.41	U	0.30	U	0.32	U
MW-77A (monitoring well at Grid Coordinate K7)											
3/25/19	M	0.27	U	0.24	U	0.33	U	0.25	J	1.2	
6/10/19	M	0.27	U	0.24	U	0.33	U	0.33	J	1.4	
8/19/19	M	0.27	U	0.24	U	0.33	U	0.25	J	1.0	
12/3/19	M	0.27	U	0.24	U	0.33	U	0.24	U	0.26	U
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
MW-77B (piezometer at Grid Coordinate K7)											
3/25/19	M	0.27	U	0.24	U	0.33	U	0.27	J	1.9	
6/10/19	M	0.27	U	0.24	U	0.33	U	0.28	J	2.0	

TABLE 5

 NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 1/2 MONITORING WELLS (2019-2022)<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)									
		I,I-DCA		I,I-DCE		PCE		I,I,I-TCA		TCE	
		None/850/85	7/7/0.7	5/5/0.5	200/200/40	5/5/0.5					
8/19/19	M	0.27	U	0.24	U	0.33	U	0.26	J	1.8	
12/3/19	M	0.27	U	0.24	U	0.33	U	0.24	U	1.6	
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	
MW-77C (piezometer at Grid Coordinate K7)											
6/10/19	M	0.27	U	0.24	U	0.33	U	0.24	U	0.73	J
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
RW-2A (monitoring well at Grid Coordinate J7)											
6/12/19	M	0.27	U	0.24	U	0.33	U	0.24	U	1.1	
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	
RW-2B (piezometer at Grid Coordinate J7)											
6/12/19	M	0.27	UA	0.24	UA	0.33	UA	0.41	JA	2.05	A
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	
RW-2C (piezometer at Grid Coordinate J7)											
6/12/19	M	0.27	U	0.24	U	0.33	U	0.28	J	1.6	
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	
RW-3A (monitoring well at Grid Coordinate C6)											
6/11/19	M	0.27	U	0.24	U	0.33	U	0.24	U	1.8	
12/4/19	M	0.27	UA	0.24	UA	0.33	UA	0.24	UA	1.6	A
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
6/14/22	M	0.30	UA	0.58	UA	0.41	UA	0.30	UA	2.15	A
RW-3B (piezometer at Grid Coordinate C6)											
6/11/19	M	0.27	U	0.24	U	0.33	U	0.24	U	2.8	
12/4/19	M	0.27	U	0.24	U	0.33	U	0.36	J	2.2	
6/9/20	M	0.27	U	0.24	U	0.33	U	0.32	J	3.1	

TABLE 5

 NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 1/2 MONITORING WELLS (2019-2022)<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)									
		I,I-DCA		I,I-DCE		PCE		I,I,I-TCA		TCE	
		None/850/85		7/7/0.7		5/5/0.5		200/200/40		5/5/0.5	
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	
RW-3C (piezometer at Grid Coordinate C6)											
6/11/19	M	0.27	U	0.24	U	0.33	U	0.28	J	3.2	
12/4/19	M	0.27	U	0.24	U	0.33	U	0.38	J	3.3	
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	
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	
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	

TABLE 5

 NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 1/2 MONITORING WELLS (2019-2022)<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)									
		I,I-DCA		I,I-DCE		PCE		I,I,TCA		TCE	
		None/850/85		7/7/0.7		5/5/0.5		200/200/40		5/5/0.5	
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	
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	
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	

TABLE 5

 NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 1/2 MONITORING WELLS (2019-2022)<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)									
		I,I-DCA		I,I-DCE		PCE		I,I,TCA		TCE	
		None/850/85		7/7/0.7		5/5/0.5		200/200/40		5/5/0.5	
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	
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	
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	

TABLE 5

 NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 1/2 MONITORING WELLS (2019-2022)<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)									
		I,I-DCA		I,I-DCE		PCE		I,I,TCA		TCE	
		None/850/85		7/7/0.7		5/5/0.5		200/200/40		5/5/0.5	
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	
RW-16C (piezometer at Grid Coordinate G7)											
10/15/85	NR		NA		NA		NA		NA	10	
4/19/91	NR	2		0.8		0.3		22		9	J
12/19/91	NR	2		0.7		0.2	J	22		8	
6/15/92	NR		NA		NA		NA		NA	8	

TABLE 5

 NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 1/2 MONITORING WELLS (2019-2022)<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)									
		I,I-DCA		I,I-DCE		PCE		I,I,TCA		TCE	
		None/850/85		7/7/0.7		5/5/0.5		200/200/40		5/5/0.5	
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>	
6/9/20	M	0.27	U	0.24	U	0.33	U	0.24	U	<b>3.1</b>	
8/31/21	M	0.30	U	0.58	U	0.41	U	0.30	U	<b>2.6</b>	
6/14/22	H	0.30	U	0.58	U	0.41	U	0.32	J	<b>3.1</b>	



TABLE 5

 NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 1/2 MONITORING WELLS (2019-2022)<sup>(1)</sup>

Well ID Sample Date	Sample Method/ Level	NPI Volatile Organic Compound (VOC) Concentration (µg/l) and Results Qualifier(s)									
		I,I-DCA		I,I-DCE		PCE		I,I,I-TCA		TCE	
MCL/ES/PAL		None/850/85		7/7/0.7		5/5/0.5		200/200/40		5/5/0.5	
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

TABLE 5

NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 1/2 MONITORING WELLS (2019-2022)<sup>(1)</sup>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.

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 (2019-2022)

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)								
06/11/19	(10)	0.16 U	(10)	0.17 U	(10)	0.19 U	(10)	0.12 U
12/04/19	(10)	0.16 U	(10)	0.17 U	(10)	0.19 U	(10)	0.12 U
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)								
06/11/19	(10)	0.16 U	(10)	0.17 U	(10)	0.19 U	(10)	0.34 J
12/04/19	(10)	0.16 U	(10)	0.17 U	(10)	0.19 U	(10)	0.55
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)								
06/11/19	(10)	0.16 U	(10)	0.17 U	(10)	0.19 U	(10)	1.7
12/04/19	(10)	0.16 U	(10)	0.17 U	(10)	0.19 U	(10)	2.0
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)								
06/11/19	(10)	0.16 U	(10)	0.17 U	(10)	0.19 U	(10)	0.12 U
12/04/19	(10)	0.16 U	(10)	0.17 U	(10)	0.19 U	(10)	0.12 U
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>								
06/11/19	(10)	0.16 U	(10)	0.17 U	(10)	0.19 U	(10)	0.80
12/04/19	(10)	0.16 U	(10)	0.17 U	(10)	0.19 U	(10)	0.97
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>								
06/11/19	(10)	0.16 U	(10)	0.17 U	(10)	0.19 U	(10)	0.12 U
12/04/19	(10)	0.16 U	(10)	0.17 U	(10)	0.19 U	(10)	0.12 U
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							

TABLE 6

NPI VOC ANALYTICAL RESULTS FROM THE EAU CLAIRE MUNICIPAL WELL FIELD (2019-2022)

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	
Tower B (South) - discharge from air stripper <sup>(3)</sup>								
06/11/19	(10)	0.16 U	(10)	0.17 U	(10)	0.19 U	(10)	0.12 U
12/04/19	(10)	0.16 U	(10)	0.17 U	(10)	0.19 U	(10)	0.12 U
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>								
06/11/19	(10)	0.16 U	(10)	0.17 U	(10)	0.19 U	(10)	0.12 U
12/04/19	(10)	0.16 U	(10)	0.17 U	(10)	0.19 U	(10)	0.12 U
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

TABLE 6

NPI VOC ANALYTICAL RESULTS FROM THE EAU CLAIRE MUNICIPAL WELL FIELD (2019-2022)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) Sample collected from spigot on Tower A discharge line.

(3) Sample 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 RESULTS FROM WELLS ROUTINELY SAMPLED FOR DISSOLVED CADMIUM ANALYSIS (2019-2022)

Date	FN	EW-5	EW-6	MW-4A	MW-4B	MW-10A	MW-10B	MW-34A	MW-34B	MW-34C	MW-68A	MW-68B	MW-70A	MW-70B	MW-75
3/25/19	HS	NS	NS	NS	NS	<b>14.4</b>	NS	<b>5.5</b>	NS	NS	NS	NS	NS	NS	NS
6/10/19	HS	NS	NS	NS	NS	<b>15.1</b>	NS	NS	NS	NS	NS	NS	NS	NS	NS
8/19/19	HS	NS	NS	NS	NS	<b>21.3</b>	1.3 U	<i>2.1 J</i>	<i>2.1 J</i>	NS	NS	<i>3.1 J</i>	NS	<b>5.0 J</b>	<i>2.1 J</i>
12/3/19	HS	NS	NS	NS	NS	<b>20.4</b>	NS	NS	NS	NS	NS	NS	NS	NS	NS
4/27/20	HS	NS	NS	NS	NS	<b>18.6</b>	NS	1.3 U	NS	NS	NS	NS	NS	NS	NS
6/8/20	HS	NS	NS	NS	NS	<b>18.7</b>	NS	NS	NS	NS	NS	NS	NS	NS	NS
8/24/20	HS	NS	NS	NS	NS	<b>23.4</b>	1.3 U	<i>3.9 J</i>	<i>2.1 J</i>	NS	NS	<i>3.5 J</i>	NS	<b>5.8</b>	<i>1.8 J</i>
12/2/20	HS	NS	NS	NS	NS	<b>21.4</b>	NS	NS	NS	NS	NS	NS	NS	NS	NS
3/16/21	HS	NS	NS	NS	NS	<b>16.7</b>	NS	<i>3.4 J</i>	NS	NS	NS	NS	NS	NS	NS
5/24/21	HS	NS	NS	NS	NS	<b>14.7</b>	NS	NS	NS	NS	NS	NS	NS	NS	NS
8/31/21	HS	NS	NS	NS	NS	<b>16.2</b>	1.3 U	<b>6.4</b>	<i>2.1 J</i>	NS	NS	<i>3.3 J</i>	NS	<b>9.7</b>	<i>2.4 J</i>
11/29/21	HS	NS	NS	NS	NS	<b>16.5</b>	NS	NS	NS	NS	NS	NS	NS	NS	NS
3/24/22	HS	NS	NS	NS	NS	<b>14.8</b>	NS	<b>6.4</b>	NS	NS	NS	NS	NS	NS	NS
6/13/22	HS	NS	NS	NS	NS	<b>14.0</b>	NS	NS	NS	NS	NS	NS	NS	NS	NS
8/30/22	HS	NS	NS	NS	NS	<b>14.4</b>	<i>3.9 J</i>	<b>5.2</b>	<i>1.6 J</i>	NS	NS	<i>2.5 J</i>	NS	<b>5.8</b>	<i>2.0 J</i>
12/5/22	HS	NS	NS	NS	NS	<b>15.8</b>	NS	NS	NS	NS	NS	NS	NS	NS	NS

NOTES:

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

The PAL for cadmium is 0.5  $\mu\text{g}/\ell$ : detected concentrations at or above the PAL are in red font and italicized.

The MCL/ES for cadmium is 5.0  $\mu\text{g}/\ell$ : 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 (2019-2022)

Well ID	Sample Date	Sample Method/ Level	NPI Volatile Organic Compound (VOC) Concentration (µg/l) and Results Qualifier(s)									
			I,I-DCA		I,I-DCE		PCE		I,I,I-TCA		TCE	
MCL/ES/PAL			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)												
	06/10/19	M	0.27	U	0.24	U	0.33	U	0.24	U	0.26	U
	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
MW-62AR (monitoring well at Grid Coordinate L6)												
	06/10/19	M	0.27	UA	0.24	UA	0.33	UA	0.26	JUA	0.26	UA
	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
MW-62B (piezometer at Grid Coordinate L6)												
	06/10/19	M	0.27	U	0.24	U	0.33	U	0.24	U	0.26	U
	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
MW-63A (monitoring well at Grid Coordinate M6 no longer scheduled for routine sampling)												
	06/10/19	M	0.27	U	0.24	U	0.33	U	0.24	U	0.26	U
	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)												
	06/12/19	M	0.27	U	0.24	U	0.33	U	0.24	U	0.26	U
	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
MW-65C (piezometer at Grid Coordinate L6)												
	06/12/19	M	0.27	U	0.24	U	0.33	U	0.24	U	0.65	J
	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
MW-66B (piezometer at Grid Coordinate L6 no longer scheduled for routine sampling)												
	06/10/19	M	0.27	U	0.24	U	0.33	U	0.24	U	0.26	U
	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 (2019-2022)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 MCL/ES/PAL	Sample Method/ Level	NPI Volatile Organic Compound (VOC) Concentration (µg/l) and Results Qualifier(s)									
		I,I-DCA		I,I-DCE		PCE		I,I,I-TCA		TCE	
		None/850/85		7/7/0.7		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 ( $\mu\text{g}/\ell$ )/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 (2019-2022)

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	
2019	NO	NO	NO	abnd	abnd	NO	91.46	91.46	91.46
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
TOTALS <sup>(1)</sup>	822.90	713.09	1,535.99	251.59	1,097.19	935.49	994.39	3,278.66	4,814.65

**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.

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 (2019-2022)

Sample Date/ Month-Yr	FN	MRDS		CAS-1		Southwest Corner					CAS-2/2R		Manhole	
		Extraction Wells		Effluent	Percent Removal	Extraction Wells					Effluent	Percent Removal	MH-18 Effluent	RQ
		EW-1/1R	EW-2			EW-3	EW-4	EW-5	EW-6	RQ				
03/25/19		NO	NO	NO	na	abnd	abnd	NO	0.97	JA	NS	42	0.56	J
06/12/19		NO	NO	NO	na	abnd	abnd	NO	0.99	JA	NS	27	0.72	J
08/19/19		NO	NO	NO	na	abnd	abnd	NO	1.05	A	NS	45	0.58	J
12/03/19		NO	NO	NO	na	abnd	abnd	NO	0.99	JA	NS	51	0.48	J
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

**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 12

TCE IN NPI PUMPED GROUNDWATER & ESTIMATED PERCENT REMOVAL BY CASCADE AERATION (2019-2022)

Sample Date/ Month-Yr	FN	MRDS		CAS-1		Southwest Corner					CAS-2/2R		Manhole	
		Extraction Wells		Effluent	Percent Removal	Extraction Wells					Effluent	Percent Removal	MH-18	RQ
		EW-1/1R	EW-2			EW-3	EW-4	EW-5	EW-6	RQ				
03/25/19		NO	NO	NO	na	abnd	abnd	NO	0.83	JA	NS	41	0.49	J
06/12/19		NO	NO	NO	na	abnd	abnd	NO	0.71	JA	NS	15	0.60	J
08/19/19		NO	NO	NO	na	abnd	abnd	NO	0.72	JA	NS	34	0.47	J
12/03/19		NO	NO	NO	na	abnd	abnd	NO	0.61	JA	NS	4.9	0.58	J
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

**NOTES:**

Concentrations in micrograms per liter ( $\mu\text{g}/\ell$ ) 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 (2019-2022)

Sample Date	Substance Concentration (µg/l) and Results Qualifier(s)											
	Cadmium		NPI Volatile Organic Compounds									
			I,I-DCA		I,I-DCE		PCE		I,I,I-TCA		TCE	
03/25/19	NA		0.27	U	0.24	U	0.33	U	0.56	J	0.49	J
06/12/19	NA		0.27	U	0.24	U	0.33	U	0.72	J	0.60	J
08/19/19	1.3	U	0.27	U	0.24	U	0.33	U	0.58	J	0.47	J
12/03/19	NA		0.27	U	0.24	U	0.33	U	0.48	J	0.58	J
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											

**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 2023

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 12-month 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 12-month trial shutdown of EW-6 <sup>(3)</sup>
MW-4A	K7	Quarterly	None	Quarterly	None	Quarterly sampling in 2023 for NPI VOCs during 12-month 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	
MW-23B	J7	Annual	None	Annual	None	

TABLE 14

GROUNDWATER SAMPLING AND WELL/PIEZOMETER ABANDONMENT SCHEDULE FOR 2023

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-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
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	

TABLE 14

GROUNDWATER SAMPLING AND WELL/PIEZOMETER ABANDONMENT SCHEDULE FOR 2023

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-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 2023 for NPI VOCs during 12-month trial shutdown of EW-6
MW-76B	K7	Quarterly	None	Quarterly	None	"
MW-77A	K7	Quarterly	None	Quarterly	None	"
MW-77B	K7	Quarterly	None	Quarterly	None	"
MW-77C	K7	Quarterly	None	Quarterly	None	"
PW-2	K7	None	None	None	None	Fill and seal well that was previously approved for abandonment per text of report

TABLE 14

GROUNDWATER SAMPLING AND WELL/PIEZOMETER ABANDONMENT SCHEDULE FOR 2023

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>	
RW-2A	J7	Quarterly	None	Quarterly	None	Quarterly sampling in 2023 for NPI VOCs during 12-month trial shutdown of EW-6
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-1	M8	None	None	None	None	Scheduled for abandonment in 2023 as approved by the agencies on 1/13/23
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-7 <sup>(6)</sup>	M6	None	None	None	None	Scheduled for abandonment in 2023 as approved by the agencies on 1/13/23
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>
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>

TABLE 14

GROUNDWATER SAMPLING AND WELL/PIEZOMETER ABANDONMENT SCHEDULE FOR 2023

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-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 = I, I-DCA; I, I-DCE; PCE; I, I, I-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.

(6) Previously classified as a Plume 5 monitoring well.



NATIONAL PRESTO INDUSTRIES, INC.  
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TABLE 15

LONG-TERM STEWARDSHIP PLAN VERIFICATION/CONFIRMATION SUMMARY FOR 2022 <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
		See "Monitoring Method" column	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

TABLE 15

LONG-TERM STEWARDSHIP PLAN VERIFICATION/CONFIRMATION SUMMARY FOR 2022 <sup>(1)</sup>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)**

**CD WITH HISTORICAL DATA SUMMARY WORKBOOKS**

**APPENDIX B (available upon request)**

**LABORATORY REPORTS FOR 2022 GROUNDWATER ANALYTICAL DATA**

April 01, 2022

**Project #34283.000 NPI**  
**Q1 groundwater**  
**Reviewed by CCW**  
**4/1/22**

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

RE: Project: 34283.000 NPI  
Pace Project No.: 40242438

Dear Clifford Wright:

Enclosed are the analytical results for sample(s) received by the laboratory on March 25, 2022. 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.: 40242438

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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

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: 34283.000 NPI

Pace Project No.: 40242438

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40242438001	EW-6	Water	03/24/22 13:00	03/25/22 09:35
40242438002	EW-6 DUP	Water	03/24/22 13:00	03/25/22 09:35
40242438003	MH-18	Water	03/24/22 12:45	03/25/22 09:35
40242438004	MW-10A	Water	03/24/22 12:20	03/25/22 09:35
40242438005	MW-34A	Water	03/24/22 12:35	03/25/22 09:35
40242438006	MW-76A	Water	03/24/22 12:50	03/25/22 09:35
40242438007	TRIP BLANK	Water	03/24/22 00:00	03/25/22 09:35

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: 34283.000 NPI

Pace Project No.: 40242438

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40242438001	EW-6	EPA 8260	JAV	8	PASI-G
40242438002	EW-6 DUP	EPA 8260	JAV	8	PASI-G
40242438003	MH-18	EPA 8260	JAV	8	PASI-G
40242438004	MW-10A	EPA 6010D	TXW	1	PASI-G
40242438005	MW-34A	EPA 6010D	TXW	1	PASI-G
40242438006	MW-76A	EPA 8260	JAV	8	PASI-G
40242438007	TRIP BLANK	EPA 8260	JAV	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.: 40242438

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>40242438001</b>	<b>EW-6</b>					
EPA 8260	1,1,1-Trichloroethane	0.70J	ug/L	1.0	03/28/22 21:30	
EPA 8260	Trichloroethene	0.78J	ug/L	1.0	03/28/22 21:30	
<b>40242438002</b>	<b>EW-6 DUP</b>					
EPA 8260	1,1,1-Trichloroethane	0.71J	ug/L	1.0	03/28/22 21:49	
EPA 8260	Trichloroethene	0.78J	ug/L	1.0	03/28/22 21:49	
<b>40242438003</b>	<b>MH-18</b>					
EPA 8260	1,1,1-Trichloroethane	0.37J	ug/L	1.0	03/28/22 22:09	
EPA 8260	Trichloroethene	0.51J	ug/L	1.0	03/28/22 22:09	
<b>40242438004</b>	<b>MW-10A</b>					
EPA 6010D	Cadmium, Dissolved	14.8	ug/L	5.0	03/30/22 12:49	
<b>40242438005</b>	<b>MW-34A</b>					
EPA 6010D	Cadmium, Dissolved	6.4	ug/L	5.0	03/30/22 12:52	
<b>40242438006</b>	<b>MW-76A</b>					
EPA 8260	1,1,1-Trichloroethane	1.4	ug/L	1.0	03/28/22 22:28	

## REPORT OF LABORATORY ANALYSIS

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## PROJECT NARRATIVE

Project: 34283.000 NPI

Pace Project No.: 40242438

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**Method:** EPA 6010D

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

**Client:** Gannett Fleming Inc.

**Date:** April 01, 2022

**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: 34283.000 NPI

Pace Project No.: 40242438

---

**Method:** EPA 8260

**Description:** 8260 MSV

**Client:** Gannett Fleming Inc.

**Date:** April 01, 2022

**General Information:**

5 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.: 40242438

**Sample: EW-6**      **Lab ID: 40242438001**      Collected: 03/24/22 13:00      Received: 03/25/22 09:35      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>0.70J</b>	ug/L	1.0	0.30	1		03/28/22 21:30	71-55-6	
1,1-Dichloroethane	<b>&lt;0.30</b>	ug/L	1.0	0.30	1		03/28/22 21:30	75-34-3	
1,1-Dichloroethene	<b>&lt;0.58</b>	ug/L	1.0	0.58	1		03/28/22 21:30	75-35-4	
Tetrachloroethene	<b>&lt;0.41</b>	ug/L	1.0	0.41	1		03/28/22 21:30	127-18-4	
Trichloroethene	<b>0.78J</b>	ug/L	1.0	0.32	1		03/28/22 21:30	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	95	%	70-130		1		03/28/22 21:30	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		03/28/22 21:30	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		03/28/22 21:30	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40242438

**Sample: EW-6 DUP**      **Lab ID: 40242438002**      Collected: 03/24/22 13:00      Received: 03/25/22 09:35      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>0.71J</b>	ug/L	1.0	0.30	1		03/28/22 21:49	71-55-6	
1,1-Dichloroethane	<b>&lt;0.30</b>	ug/L	1.0	0.30	1		03/28/22 21:49	75-34-3	
1,1-Dichloroethene	<b>&lt;0.58</b>	ug/L	1.0	0.58	1		03/28/22 21:49	75-35-4	
Tetrachloroethene	<b>&lt;0.41</b>	ug/L	1.0	0.41	1		03/28/22 21:49	127-18-4	
Trichloroethene	<b>0.78J</b>	ug/L	1.0	0.32	1		03/28/22 21:49	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	95	%	70-130		1		03/28/22 21:49	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		03/28/22 21:49	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		03/28/22 21:49	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40242438

**Sample: MH-18**      **Lab ID: 40242438003**      Collected: 03/24/22 12:45      Received: 03/25/22 09:35      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>0.37J</b>	ug/L	1.0	0.30	1		03/28/22 22:09	71-55-6	
1,1-Dichloroethane	<b>&lt;0.30</b>	ug/L	1.0	0.30	1		03/28/22 22:09	75-34-3	
1,1-Dichloroethene	<b>&lt;0.58</b>	ug/L	1.0	0.58	1		03/28/22 22:09	75-35-4	
Tetrachloroethene	<b>&lt;0.41</b>	ug/L	1.0	0.41	1		03/28/22 22:09	127-18-4	
Trichloroethene	<b>0.51J</b>	ug/L	1.0	0.32	1		03/28/22 22:09	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	96	%	70-130		1		03/28/22 22:09	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		03/28/22 22:09	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		03/28/22 22:09	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40242438

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**Sample: MW-10A**      **Lab ID: 40242438004**    Collected: 03/24/22 12:20    Received: 03/25/22 09:35    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>14.8</b>	ug/L	5.0	1.3	1	03/29/22 05:37	03/30/22 12:49	7440-43-9	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40242438

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**Sample: MW-34A**      **Lab ID: 40242438005**      Collected: 03/24/22 12:35      Received: 03/25/22 09:35      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>6.4</b>	ug/L	5.0	1.3	1	03/29/22 05:37	03/30/22 12:52	7440-43-9	

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40242438

**Sample: MW-76A**      **Lab ID: 40242438006**      Collected: 03/24/22 12:50      Received: 03/25/22 09:35      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	1.4	ug/L	1.0	0.30	1		03/28/22 22:28	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		03/28/22 22:28	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		03/28/22 22:28	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		03/28/22 22:28	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		03/28/22 22:28	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	96	%	70-130		1		03/28/22 22:28	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		03/28/22 22:28	2199-69-1	
Toluene-d8 (S)	99	%	70-130		1		03/28/22 22:28	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40242438

**Sample: TRIP BLANK**      **Lab ID: 40242438007**      Collected: 03/24/22 00:00      Received: 03/25/22 09:35      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		03/28/22 20:32	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		03/28/22 20:32	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		03/28/22 20:32	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		03/28/22 20:32	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		03/28/22 20:32	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	98	%	70-130		1		03/28/22 20:32	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		03/28/22 20:32	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		03/28/22 20:32	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 34283.000 NPI  
Pace Project No.: 40242438

QC Batch: 411603	Analysis Method: EPA 6010D
QC Batch Method: EPA 3010A	Analysis Description: 6010D MET Dissolved
	Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40242438004, 40242438005

METHOD BLANK: 2370530 Matrix: Water

Associated Lab Samples: 40242438004, 40242438005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cadmium, Dissolved	ug/L	<1.3	5.0	03/30/22 12:10	

LABORATORY CONTROL SAMPLE: 2370531

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cadmium, Dissolved	ug/L	250	257	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2370532 2370533

Parameter	Units	2370532		2370533		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40242117001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Cadmium, Dissolved	ug/L	ND	250	250	266	268	106	107	75-125	1	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.

### REPORT OF LABORATORY ANALYSIS

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**QUALITY CONTROL DATA**

Project: 34283.000 NPI

Pace Project No.: 40242438

QC Batch:	411483	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40242438001, 40242438002, 40242438003, 40242438006, 40242438007

METHOD BLANK: 2370169 Matrix: Water  
Associated Lab Samples: 40242438001, 40242438002, 40242438003, 40242438006, 40242438007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.30	1.0	03/28/22 16:20	
1,1-Dichloroethane	ug/L	<0.30	1.0	03/28/22 16:20	
1,1-Dichloroethene	ug/L	<0.58	1.0	03/28/22 16:20	
Tetrachloroethene	ug/L	<0.41	1.0	03/28/22 16:20	
Trichloroethene	ug/L	<0.32	1.0	03/28/22 16:20	
1,2-Dichlorobenzene-d4 (S)	%	104	70-130	03/28/22 16:20	
4-Bromofluorobenzene (S)	%	97	70-130	03/28/22 16:20	
Toluene-d8 (S)	%	100	70-130	03/28/22 16:20	

LABORATORY CONTROL SAMPLE: 2370170

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	48.4	97	70-130	
1,1-Dichloroethane	ug/L	50	51.0	102	68-132	
1,1-Dichloroethene	ug/L	50	45.9	92	85-126	
Tetrachloroethene	ug/L	50	49.6	99	70-130	
Trichloroethene	ug/L	50	48.0	96	70-130	
1,2-Dichlorobenzene-d4 (S)	%			102	70-130	
4-Bromofluorobenzene (S)	%			96	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2370171 2370172

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40242438001 Result	Spike Conc.	Spike Conc.	Conc.								
1,1,1-Trichloroethane	ug/L	0.70J	50	50	50.7	50.1	100	99	70-130	1	20		
1,1-Dichloroethane	ug/L	<0.30	50	50	52.8	51.7	106	103	68-132	2	20		
1,1-Dichloroethene	ug/L	<0.58	50	50	47.2	46.8	94	94	76-132	1	20		
Tetrachloroethene	ug/L	<0.41	50	50	50.7	50.2	101	100	70-130	1	20		
Trichloroethene	ug/L	0.78J	50	50	50.2	49.7	99	98	70-130	1	20		
1,2-Dichlorobenzene-d4 (S)	%						101	101	70-130				
4-Bromofluorobenzene (S)	%						96	97	70-130				
Toluene-d8 (S)	%						101	102	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.: 40242438

---

### 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.

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 34283.000 NPI

Pace Project No.: 40242438

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40242438004	MW-10A	EPA 3010A	411603	EPA 6010D	411685
40242438005	MW-34A	EPA 3010A	411603	EPA 6010D	411685
40242438001	EW-6	EPA 8260	411483		
40242438002	EW-6 DUP	EPA 8260	411483		
40242438003	MH-18	EPA 8260	411483		
40242438006	MW-76A	EPA 8260	411483		
40242438007	TRIP BLANK	EPA 8260	411483		

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# CHAIN-OF-CUSTODY Analytical Request Document

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

40242438

ALL SHADED AREAS are for LAB USE ONLY

Company: **Gannett Fleming**  
 Billing Information: **Derrick Paul**  
 Address: **8040 Excelsior Dr. Madison, WI 53705**  
 Report To: **Cliff Wright**  
 Email To: **cwright@afinet.com**  
 Copy To: **Chelsea Payne**  
 Site Collection Info/Address: **3925 N. Hastings Way, Eau Claire, WI**  
 Customer Project Name/Number: **NPI / 34283.000**  
 State: **WI** County/City: **Eau Claire** Time Zone Collected: **[ ] PT [ ] MT [X] CT [ ] ET**  
 Phone: **608-327-5047** Site/Facility ID #: \_\_\_\_\_ Compliance Monitoring?  Yes [ ] No  
 Email: **cwright@afinet.com**  
 Collected By (print): **Chelsea Payne** Purchase Order #: **34283.000** DW PWS ID #: \_\_\_\_\_  
 Quote #: **Pace 2022** DW Location Code: \_\_\_\_\_  
 Collected By (signature): \_\_\_\_\_ Turnaround Date Required: **Standard** Immediately Packed on Ice:  Yes [ ] No  
 Sample Disposal:  Dispose as appropriate [ ] Return Rush: [ ] Same Day [ ] Next Day Field Filtered (if applicable):  Yes (Cd only) [ ] No  
 [ ] Archive: \_\_\_\_\_ [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day Analysis: **cd**  
 [ ] Hold: \_\_\_\_\_ (Expedite Charges Apply)

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:
NPI Short List VOCs Dissolved Cadmium	Lab Sample Receipt Checklist:
	Custody Seals Present/Intact <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 Hold 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: _____	

\* 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 for		Composite End		Res Cl	# of Ctns
			Date	Time	Date	Time		
EW:6	GW	Grab	3/24/22	13:00				
EW:6 dup				13:00				
MH:18				12:45				
MW:10A				12:26				
MW:34A				12:35				
<del>MW:76A</del>								
MW:76A				12:50				
Trip Blank								

Lab USE ONLY:
Lab Sample # / Comments:
001
002
003
004
005
006
007

Customer Remarks / Special Conditions / Possible Hazards: **Please send data package to Mary Gannon as has been done previously (Most recently in Nov/Dec 2021)**

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 #: **2763440**  
 Samples received via: FEDEX UPS Client Courier Pace Courier  
 MTJL LAB USE ONLY

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) **Chelsea Payne/GF** Date/Time: **3/24/22 16:00**  
 Relinquished by/Company: (Signature) **Ted Gx** Date/Time: **3/25/22 09:35**  
 Relinquished by/Company: (Signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_

Received by/Company: (Signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Received by/Company: (Signature) **Susan Ugly** Date/Time: **3/25/22 09:35**  
 Received by/Company: (Signature) **Paul** Date/Time: \_\_\_\_\_

Table #: \_\_\_\_\_  
 Acctnum: \_\_\_\_\_  
 Template: \_\_\_\_\_  
 Prelogin: \_\_\_\_\_  
 PM: \_\_\_\_\_  
 PB: \_\_\_\_\_

Trip Blank Received: Y N NA  
 HCL MeOH TSP Other  
 Non Conformance(s): YES / NO  
 Page: **Page 19 of 21**  
 of: \_\_\_\_\_

Client Name: Gannett Heming Sample Preservation Receipt Form  
 Project # 40242438

All containers needing preservation have been checked and noted below:  Yes  No  N/A

Initial when completed: [Signature] Date/Time: \_\_\_\_\_

Lab Lot# of pH paper: 10D3112 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	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU								WPFU	SP5T	ZPLC	GN		
001																																			2.5 / 5 / 10
002																																			2.5 / 5 / 10
003																																			2.5 / 5 / 10
004																																			2.5 / 5 / 10
005																																			2.5 / 5 / 10
006																																			2.5 / 5 / 10
007																																			2.5 / 5 / 10
008																																			2.5 / 5 / 10
009																																			2.5 / 5 / 10
010																																			2.5 / 5 / 10
011																																			2.5 / 5 / 10
012																																			2.5 / 5 / 10
013																																			2.5 / 5 / 10
014																																			2.5 / 5 / 10
015																																			2.5 / 5 / 10
016																																			2.5 / 5 / 10
017																																			2.5 / 5 / 10
018																																			2.5 / 5 / 10
019																																			2.5 / 5 / 10
020																																			2.5 / 5 / 10

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	VG9A	40 mL clear ascorbic	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
AG4U	120 mL amber glass unpres	BP3S	250 mL plastic H2SO4	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG5U	100 mL amber glass unpres			VG9D	40 mL clear vial DI	ZPLC	ziploc bag
AG2S	500 mL amber glass H2SO4					GN	
BG3U	250 mL clear glass unpres						

Sample Condition Upon Receipt Form (SCUR)

Client Name: Gannett Heming

Project #: **WO# : 40242438**  
  
 40242438

Courier:  CS Logistics  Fed Ex  Speedee  UPS  Wallog  
 Client  Pace Other:

Tracking #: 8172 6146 4680

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 - 105 Type of Ice: Wet Blue Dry None

Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 2 / Corr: 2

Person examining contents:  
 Date: 3/25/22 Initials: SKW  
 Labeled By Initials: AKW

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.

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1. <u>40C</u>	<u>3/25/22 SKW</u>
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<u>Fig #</u>	<u>3/25/22 SKW</u>
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.	
- 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. <u>MS/MSD for VOC only</u>	<u>3/25/22 SKW</u>
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input checked="" 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.	
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
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>477</u>		

Client Notification/ Resolution: \_\_\_\_\_  
 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 login  
 Page 2 of 2

June 23, 2022

**Project #34283.000 NPI**  
**Q2 GW (1 of 3)**  
**Reviewed by CCW**  
**6/24/2022**

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

RE: Project: 34283.000 NPI  
Pace Project No.: 40246589

Dear Clifford Wright:

Enclosed are the analytical results for sample(s) received by the laboratory on June 15, 2022. 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.: 40246589

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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

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: 34283.000 NPI

Pace Project No.: 40246589

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40246589001	MW-4B	Water	06/13/22 13:47	06/15/22 09:40
40246589002	MW-10A	Water	06/13/22 12:55	06/15/22 09:40
40246589003	MW-34A	Water	06/13/22 13:15	06/15/22 09:40
40246589004	MW-68A	Water	06/13/22 13:28	06/15/22 09:40
40246589005	MW-68B	Water	06/13/22 13:36	06/15/22 09:40
40246589006	MW-70A	Water	06/13/22 13:05	06/15/22 09:40
40246589007	MW-76A	Water	06/13/22 14:25	06/15/22 09:40
40246589008	MW-77A	Water	06/13/22 14:05	06/15/22 09:40
40246589009	MW-77B	Water	06/13/22 14:08	06/15/22 09:40
40246589010	MW-77B DUP	Water	06/13/22 14:08	06/15/22 09:40
40246589011	MW-77C	Water	06/13/22 14:15	06/15/22 09:40
40246589012	MW-5A	Water	06/13/22 12:17	06/15/22 09:40
40246589013	MW-62AR	Water	06/13/22 12:10	06/15/22 09:40
40246589014	TRIP BLANK	Water	06/13/22 00:00	06/15/22 09:40
40246589015	EW-6	Water	06/14/22 07:10	06/15/22 09:40
40246589016	MH-18	Water	06/14/22 07:00	06/15/22 09:40
40246589017	MW-23A	Water	06/14/22 08:10	06/15/22 09:40
40246589018	MW-23B	Water	06/14/22 08:08	06/15/22 09:40
40246589019	MW-38A	Water	06/14/22 08:45	06/15/22 09:40
40246589020	MW-38B	Water	06/14/22 08:35	06/15/22 09:40
40246589021	MW-41B	Water	06/14/22 09:20	06/15/22 09:40
40246589022	MW-43A	Water	06/14/22 09:30	06/15/22 09:40
40246589023	MW-43B	Water	06/14/22 09:25	06/15/22 09:40
40246589024	RW-16	Water	06/14/22 10:00	06/15/22 09:40
40246589025	RW-16B	Water	06/14/22 10:05	06/15/22 09:40
40246589026	RW-16C	Water	06/14/22 10:15	06/15/22 09:40
40246589027	RW-3A	Water	06/14/22 11:15	06/15/22 09:40
40246589028	RW-3B	Water	06/14/22 11:20	06/15/22 09:40
40246589029	RW-3C	Water	06/14/22 11:25	06/15/22 09:40
40246589030	MW-38C	Water	06/14/22 08:40	06/15/22 09:40
40246589031	RW-2A	Water	06/14/22 08:00	06/15/22 09:40
40246589032	RW-2B	Water	06/14/22 08:05	06/15/22 09:40
40246589033	RW-2C	Water	06/14/22 08:10	06/15/22 09:40
40246589034	RW-15	Water	06/14/22 10:40	06/15/22 09:40
40246589035	WW-15	Water	06/14/22 08:25	06/15/22 09:40
40246589036	MW-35A	Water	06/14/22 09:00	06/15/22 09:40
40246589037	MW-35B	Water	06/14/22 09:05	06/15/22 09:40

## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: 34283.000 NPI

Pace Project No.: 40246589

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40246589038	RW-3A DUP	Water	06/14/22 11:15	06/15/22 09:40
40246589039	MW-43B DUP	Water	06/14/22 09:25	06/15/22 09:40
40246589040	MW-65C	Water	06/14/22 07:40	06/15/22 09:40
40246589041	TRIP BLANK	Water	06/14/22 00:00	06/15/22 09:40
40246589042	MW41A	Water	06/14/22 09:15	06/15/22 09:40

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: 34283.000 NPI  
Pace Project No.: 40246589

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40246589001	MW-4B	EPA 8260	EIB	8	PASI-G
40246589002	MW-10A	EPA 6010D	TXW	1	PASI-G
40246589003	MW-34A	EPA 8260	EIB	8	PASI-G
40246589004	MW-68A	EPA 8260	EIB	8	PASI-G
40246589005	MW-68B	EPA 8260	JAV	8	PASI-G
40246589006	MW-70A	EPA 8260	JAV	8	PASI-G
40246589007	MW-76A	EPA 8260	EIB	8	PASI-G
40246589008	MW-77A	EPA 8260	JAV	8	PASI-G
40246589009	MW-77B	EPA 8260	JAV	8	PASI-G
40246589010	MW-77B DUP	EPA 8260	JAV	8	PASI-G
40246589011	MW-77C	EPA 8260	JAV	8	PASI-G
40246589012	MW-5A	EPA 8260	JAV	8	PASI-G
40246589013	MW-62AR	EPA 8260	JAV	8	PASI-G
40246589014	TRIP BLANK	EPA 8260	JAV	8	PASI-G
40246589015	EW-6	EPA 8260	JAV	8	PASI-G
40246589016	MH-18	EPA 8260	JAV	8	PASI-G
40246589017	MW-23A	EPA 8260	JAV	8	PASI-G
40246589018	MW-23B	EPA 8260	JAV	8	PASI-G
40246589019	MW-38A	EPA 8260	JAV	8	PASI-G
40246589020	MW-38B	EPA 8260	JAV	8	PASI-G
40246589021	MW-41B	EPA 8260	JAV	8	PASI-G
40246589022	MW-43A	EPA 8260	JAV	8	PASI-G
40246589023	MW-43B	EPA 8260	JAV	8	PASI-G
40246589024	RW-16	EPA 8260	JAV	8	PASI-G
40246589025	RW-16B	EPA 8260	JAV	8	PASI-G
40246589026	RW-16C	EPA 8260	JAV	8	PASI-G
40246589027	RW-3A	EPA 8260	JAV	8	PASI-G
40246589028	RW-3B	EPA 8260	JAV	8	PASI-G
40246589029	RW-3C	EPA 8260	JAV	8	PASI-G
40246589030	MW-38C	EPA 8260	JAV	8	PASI-G
40246589031	RW-2A	EPA 8260	JAV	8	PASI-G
40246589032	RW-2B	EPA 8260	JAV	8	PASI-G
40246589033	RW-2C	EPA 8260	JAV	8	PASI-G
40246589034	RW-15	EPA 8260	JAV	8	PASI-G
40246589035	WW-15	EPA 8260	JAV	8	PASI-G
40246589036	MW-35A	EPA 8260	JAV	8	PASI-G
40246589037	MW-35B	EPA 8260	JAV	8	PASI-G

### REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: 34283.000 NPI

Pace Project No.: 40246589

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40246589038	RW-3A DUP	EPA 8260	JAV	8	PASI-G
40246589039	MW-43B DUP	EPA 8260	JAV	8	PASI-G
40246589040	MW-65C	EPA 8260	JAV	8	PASI-G
40246589041	TRIP BLANK	EPA 8260	JAV	8	PASI-G
40246589042	MW41A	EPA 8260	JAV	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.: 40246589

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>40246589001</b>	<b>MW-4B</b>					
EPA 8260	Trichloroethene	0.34J	ug/L	1.0	06/17/22 13:15	
<b>40246589002</b>	<b>MW-10A</b>					
EPA 6010D	Cadmium, Dissolved	14.0	ug/L	5.0	06/21/22 12:20	
<b>40246589004</b>	<b>MW-68A</b>					
EPA 8260	Trichloroethene	0.39J	ug/L	1.0	06/17/22 13:56	
<b>40246589007</b>	<b>MW-76A</b>					
EPA 8260	1,1,1-Trichloroethane	0.45J	ug/L	1.0	06/17/22 12:14	
<b>40246589008</b>	<b>MW-77A</b>					
EPA 8260	Trichloroethene	0.58J	ug/L	1.0	06/20/22 13:59	
<b>40246589009</b>	<b>MW-77B</b>					
EPA 8260	1,1,1-Trichloroethane	0.34J	ug/L	1.0	06/20/22 14:39	
EPA 8260	Trichloroethene	2.2	ug/L	1.0	06/20/22 14:39	
<b>40246589010</b>	<b>MW-77B DUP</b>					
EPA 8260	1,1,1-Trichloroethane	0.40J	ug/L	1.0	06/20/22 14:58	
EPA 8260	Trichloroethene	2.1	ug/L	1.0	06/20/22 14:58	
<b>40246589011</b>	<b>MW-77C</b>					
EPA 8260	Trichloroethene	0.65J	ug/L	1.0	06/20/22 15:18	
<b>40246589015</b>	<b>EW-6</b>					
EPA 8260	1,1,1-Trichloroethane	0.88J	ug/L	1.0	06/20/22 12:41	
EPA 8260	Trichloroethene	1.2	ug/L	1.0	06/20/22 12:41	
<b>40246589016</b>	<b>MH-18</b>					
EPA 8260	1,1,1-Trichloroethane	0.50J	ug/L	1.0	06/20/22 13:00	
EPA 8260	Trichloroethene	0.84J	ug/L	1.0	06/20/22 13:00	
<b>40246589017</b>	<b>MW-23A</b>					
EPA 8260	Trichloroethene	0.54J	ug/L	1.0	06/20/22 15:58	
<b>40246589018</b>	<b>MW-23B</b>					
EPA 8260	1,1,1-Trichloroethane	0.32J	ug/L	1.0	06/20/22 16:17	
EPA 8260	Trichloroethene	1.6	ug/L	1.0	06/20/22 16:17	
<b>40246589019</b>	<b>MW-38A</b>					
EPA 8260	Trichloroethene	1.3	ug/L	1.0	06/20/22 16:37	
<b>40246589020</b>	<b>MW-38B</b>					
EPA 8260	1,1,1-Trichloroethane	0.52J	ug/L	1.0	06/17/22 11:02	
EPA 8260	Trichloroethene	3.1	ug/L	1.0	06/17/22 11:02	
<b>40246589021</b>	<b>MW-41B</b>					
EPA 8260	Trichloroethene	2.5	ug/L	1.0	06/20/22 16:57	
<b>40246589022</b>	<b>MW-43A</b>					
EPA 8260	1,1,1-Trichloroethane	0.47J	ug/L	1.0	06/20/22 17:16	
EPA 8260	Trichloroethene	2.3	ug/L	1.0	06/20/22 17:16	

### REPORT OF LABORATORY ANALYSIS

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### SUMMARY OF DETECTION

Project: 34283.000 NPI  
Pace Project No.: 40246589

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>40246589023</b>	<b>MW-43B</b>					
EPA 8260	1,1,1-Trichloroethane	0.49J	ug/L	1.0	06/20/22 17:36	
EPA 8260	Trichloroethene	1.3	ug/L	1.0	06/20/22 17:36	
<b>40246589024</b>	<b>RW-16</b>					
EPA 8260	Trichloroethene	2.5	ug/L	1.0	06/20/22 17:56	
<b>40246589025</b>	<b>RW-16B</b>					
EPA 8260	1,1,1-Trichloroethane	0.41J	ug/L	1.0	06/20/22 18:15	
EPA 8260	Trichloroethene	3.1	ug/L	1.0	06/20/22 18:15	
<b>40246589026</b>	<b>RW-16C</b>					
EPA 8260	1,1,1-Trichloroethane	0.32J	ug/L	1.0	06/20/22 18:35	
EPA 8260	Trichloroethene	3.1	ug/L	1.0	06/20/22 18:35	
<b>40246589027</b>	<b>RW-3A</b>					
EPA 8260	Trichloroethene	2.2	ug/L	1.0	06/17/22 11:22	
<b>40246589028</b>	<b>RW-3B</b>					
EPA 8260	1,1,1-Trichloroethane	0.30J	ug/L	1.0	06/17/22 11:41	
EPA 8260	Trichloroethene	3.1	ug/L	1.0	06/17/22 11:41	
<b>40246589029</b>	<b>RW-3C</b>					
EPA 8260	1,1,1-Trichloroethane	0.30J	ug/L	1.0	06/17/22 12:40	
EPA 8260	Trichloroethene	3.5	ug/L	1.0	06/17/22 12:40	
<b>40246589030</b>	<b>MW-38C</b>					
EPA 8260	Trichloroethene	1.2	ug/L	1.0	06/17/22 13:00	
<b>40246589031</b>	<b>RW-2A</b>					
EPA 8260	Trichloroethene	1.0	ug/L	1.0	06/17/22 13:20	
<b>40246589032</b>	<b>RW-2B</b>					
EPA 8260	1,1,1-Trichloroethane	0.43J	ug/L	1.0	06/17/22 13:39	
EPA 8260	Trichloroethene	2.4	ug/L	1.0	06/17/22 13:39	
<b>40246589033</b>	<b>RW-2C</b>					
EPA 8260	1,1,1-Trichloroethane	0.32J	ug/L	1.0	06/17/22 12:01	
EPA 8260	Trichloroethene	2.1	ug/L	1.0	06/17/22 12:01	
<b>40246589034</b>	<b>RW-15</b>					
EPA 8260	1,1,1-Trichloroethane	0.38J	ug/L	1.0	06/17/22 13:59	
EPA 8260	Trichloroethene	3.0	ug/L	1.0	06/17/22 13:59	
<b>40246589035</b>	<b>WW-15</b>					
EPA 8260	Trichloroethene	0.50J	ug/L	1.0	06/17/22 16:17	
<b>40246589036</b>	<b>MW-35A</b>					
EPA 8260	1,1,1-Trichloroethane	0.43J	ug/L	1.0	06/17/22 14:19	
EPA 8260	Trichloroethene	0.84J	ug/L	1.0	06/17/22 14:19	
<b>40246589037</b>	<b>MW-35B</b>					
EPA 8260	1,1,1-Trichloroethane	0.40J	ug/L	1.0	06/17/22 14:38	

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### SUMMARY OF DETECTION

Project: 34283.000 NPI  
Pace Project No.: 40246589

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>40246589037</b>	<b>MW-35B</b>					
EPA 8260	Trichloroethene	1.0	ug/L	1.0	06/17/22 14:38	
<b>40246589038</b>	<b>RW-3A DUP</b>					
EPA 8260	Trichloroethene	2.1	ug/L	1.0	06/17/22 12:21	
<b>40246589039</b>	<b>MW-43B DUP</b>					
EPA 8260	1,1,1-Trichloroethane	0.40J	ug/L	1.0	06/17/22 14:58	
EPA 8260	Trichloroethene	1.4	ug/L	1.0	06/17/22 14:58	
<b>40246589040</b>	<b>MW-65C</b>					
EPA 8260	Trichloroethene	0.62J	ug/L	1.0	06/17/22 15:18	
<b>40246589042</b>	<b>MW41A</b>					
EPA 8260	Trichloroethene	2.3	ug/L	1.0	06/17/22 15:57	

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## PROJECT NARRATIVE

Project: 34283.000 NPI

Pace Project No.: 40246589

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**Method:** EPA 6010D

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

**Client:** Gannett Fleming Inc.

**Date:** June 23, 2022

**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.: 40246589

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**Method:** EPA 8260  
**Description:** 8260 MSV  
**Client:** Gannett Fleming Inc.  
**Date:** June 23, 2022

### General Information:

41 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.: 40246589

**Sample: MW-4B**      **Lab ID: 40246589001**      Collected: 06/13/22 13:47      Received: 06/15/22 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		06/17/22 13:15	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/17/22 13:15	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/17/22 13:15	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/17/22 13:15	127-18-4	
Trichloroethene	0.34J	ug/L	1.0	0.32	1		06/17/22 13:15	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	102	%	70-130		1		06/17/22 13:15	460-00-4	
1,2-Dichlorobenzene-d4 (S)	109	%	70-130		1		06/17/22 13:15	2199-69-1	
Toluene-d8 (S)	96	%	70-130		1		06/17/22 13:15	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40246589

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**Sample: MW-10A**      **Lab ID: 40246589002**      Collected: 06/13/22 12:55      Received: 06/15/22 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 Pace Analytical Services - Green Bay									
Cadmium, Dissolved	<b>14.0</b>	ug/L	5.0	1.3	1		06/21/22 12:20	7440-43-9	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40246589

**Sample: MW-34A**      **Lab ID: 40246589003**      Collected: 06/13/22 13:15      Received: 06/15/22 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		06/17/22 13:36	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/17/22 13:36	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/17/22 13:36	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/17/22 13:36	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		06/17/22 13:36	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	98	%	70-130		1		06/17/22 13:36	460-00-4	
1,2-Dichlorobenzene-d4 (S)	107	%	70-130		1		06/17/22 13:36	2199-69-1	
Toluene-d8 (S)	97	%	70-130		1		06/17/22 13:36	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40246589

**Sample: MW-68A**      **Lab ID: 40246589004**      Collected: 06/13/22 13:28      Received: 06/15/22 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		06/17/22 13:56	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/17/22 13:56	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/17/22 13:56	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/17/22 13:56	127-18-4	
Trichloroethene	0.39J	ug/L	1.0	0.32	1		06/17/22 13:56	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	101	%	70-130		1		06/17/22 13:56	460-00-4	
1,2-Dichlorobenzene-d4 (S)	109	%	70-130		1		06/17/22 13:56	2199-69-1	
Toluene-d8 (S)	96	%	70-130		1		06/17/22 13:56	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40246589

**Sample: MW-68B**      **Lab ID: 40246589005**      Collected: 06/13/22 13:36      Received: 06/15/22 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		06/20/22 13:20	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/20/22 13:20	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/20/22 13:20	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/20/22 13:20	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		06/20/22 13:20	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	92	%	70-130		1		06/20/22 13:20	460-00-4	
1,2-Dichlorobenzene-d4 (S)	114	%	70-130		1		06/20/22 13:20	2199-69-1	
Toluene-d8 (S)	86	%	70-130		1		06/20/22 13:20	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40246589

**Sample: MW-70A**      **Lab ID: 40246589006**      Collected: 06/13/22 13:05      Received: 06/15/22 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		06/20/22 13:40	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/20/22 13:40	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/20/22 13:40	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/20/22 13:40	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		06/20/22 13:40	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	93	%	70-130		1		06/20/22 13:40	460-00-4	
1,2-Dichlorobenzene-d4 (S)	114	%	70-130		1		06/20/22 13:40	2199-69-1	
Toluene-d8 (S)	83	%	70-130		1		06/20/22 13:40	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40246589

**Sample: MW-76A**      **Lab ID: 40246589007**      Collected: 06/13/22 14:25      Received: 06/15/22 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>0.45J</b>	ug/L	1.0	0.30	1		06/17/22 12:14	71-55-6	
1,1-Dichloroethane	<b>&lt;0.30</b>	ug/L	1.0	0.30	1		06/17/22 12:14	75-34-3	
1,1-Dichloroethene	<b>&lt;0.58</b>	ug/L	1.0	0.58	1		06/17/22 12:14	75-35-4	
Tetrachloroethene	<b>&lt;0.41</b>	ug/L	1.0	0.41	1		06/17/22 12:14	127-18-4	
Trichloroethene	<b>&lt;0.32</b>	ug/L	1.0	0.32	1		06/17/22 12:14	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	101	%	70-130		1		06/17/22 12:14	460-00-4	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		06/17/22 12:14	2199-69-1	
Toluene-d8 (S)	96	%	70-130		1		06/17/22 12:14	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40246589

**Sample: MW-77A**      **Lab ID: 40246589008**      Collected: 06/13/22 14:05      Received: 06/15/22 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		06/20/22 13:59	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/20/22 13:59	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/20/22 13:59	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/20/22 13:59	127-18-4	
Trichloroethene	0.58J	ug/L	1.0	0.32	1		06/20/22 13:59	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	94	%	70-130		1		06/20/22 13:59	460-00-4	
1,2-Dichlorobenzene-d4 (S)	115	%	70-130		1		06/20/22 13:59	2199-69-1	
Toluene-d8 (S)	84	%	70-130		1		06/20/22 13:59	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40246589

**Sample: MW-77B**      **Lab ID: 40246589009**      Collected: 06/13/22 14:08      Received: 06/15/22 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>0.34J</b>	ug/L	1.0	0.30	1		06/20/22 14:39	71-55-6	
1,1-Dichloroethane	<b>&lt;0.30</b>	ug/L	1.0	0.30	1		06/20/22 14:39	75-34-3	
1,1-Dichloroethene	<b>&lt;0.58</b>	ug/L	1.0	0.58	1		06/20/22 14:39	75-35-4	
Tetrachloroethene	<b>&lt;0.41</b>	ug/L	1.0	0.41	1		06/20/22 14:39	127-18-4	
Trichloroethene	<b>2.2</b>	ug/L	1.0	0.32	1		06/20/22 14:39	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	91	%	70-130		1		06/20/22 14:39	460-00-4	
1,2-Dichlorobenzene-d4 (S)	114	%	70-130		1		06/20/22 14:39	2199-69-1	
Toluene-d8 (S)	82	%	70-130		1		06/20/22 14:39	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40246589

**Sample: MW-77B DUP**      **Lab ID: 40246589010**      Collected: 06/13/22 14:08      Received: 06/15/22 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>0.40J</b>	ug/L	1.0	0.30	1		06/20/22 14:58	71-55-6	
1,1-Dichloroethane	<b>&lt;0.30</b>	ug/L	1.0	0.30	1		06/20/22 14:58	75-34-3	
1,1-Dichloroethene	<b>&lt;0.58</b>	ug/L	1.0	0.58	1		06/20/22 14:58	75-35-4	
Tetrachloroethene	<b>&lt;0.41</b>	ug/L	1.0	0.41	1		06/20/22 14:58	127-18-4	
Trichloroethene	<b>2.1</b>	ug/L	1.0	0.32	1		06/20/22 14:58	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	89	%	70-130		1		06/20/22 14:58	460-00-4	
1,2-Dichlorobenzene-d4 (S)	112	%	70-130		1		06/20/22 14:58	2199-69-1	
Toluene-d8 (S)	82	%	70-130		1		06/20/22 14:58	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40246589

**Sample: MW-77C**      **Lab ID: 40246589011**      Collected: 06/13/22 14:15      Received: 06/15/22 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		06/20/22 15:18	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/20/22 15:18	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/20/22 15:18	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/20/22 15:18	127-18-4	
Trichloroethene	0.65J	ug/L	1.0	0.32	1		06/20/22 15:18	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	96	%	70-130		1		06/20/22 15:18	460-00-4	
1,2-Dichlorobenzene-d4 (S)	116	%	70-130		1		06/20/22 15:18	2199-69-1	
Toluene-d8 (S)	83	%	70-130		1		06/20/22 15:18	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40246589

**Sample: MW-5A**      **Lab ID: 40246589012**      Collected: 06/13/22 12:17      Received: 06/15/22 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		06/20/22 14:19	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/20/22 14:19	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/20/22 14:19	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/20/22 14:19	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		06/20/22 14:19	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	96	%	70-130		1		06/20/22 14:19	460-00-4	
1,2-Dichlorobenzene-d4 (S)	114	%	70-130		1		06/20/22 14:19	2199-69-1	
Toluene-d8 (S)	81	%	70-130		1		06/20/22 14:19	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40246589

**Sample: MW-62AR**      **Lab ID: 40246589013**      Collected: 06/13/22 12:10      Received: 06/15/22 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		06/20/22 15:38	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/20/22 15:38	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/20/22 15:38	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/20/22 15:38	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		06/20/22 15:38	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	95	%	70-130		1		06/20/22 15:38	460-00-4	
1,2-Dichlorobenzene-d4 (S)	117	%	70-130		1		06/20/22 15:38	2199-69-1	
Toluene-d8 (S)	82	%	70-130		1		06/20/22 15:38	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40246589

**Sample: TRIP BLANK**      **Lab ID: 40246589014**      Collected: 06/13/22 00:00      Received: 06/15/22 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		06/20/22 12:21	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/20/22 12:21	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/20/22 12:21	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/20/22 12:21	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		06/20/22 12:21	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	91	%	70-130		1		06/20/22 12:21	460-00-4	
1,2-Dichlorobenzene-d4 (S)	115	%	70-130		1		06/20/22 12:21	2199-69-1	
Toluene-d8 (S)	81	%	70-130		1		06/20/22 12:21	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40246589

**Sample: EW-6**      **Lab ID: 40246589015**      Collected: 06/14/22 07:10      Received: 06/15/22 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>0.88J</b>	ug/L	1.0	0.30	1		06/20/22 12:41	71-55-6	
1,1-Dichloroethane	<b>&lt;0.30</b>	ug/L	1.0	0.30	1		06/20/22 12:41	75-34-3	
1,1-Dichloroethene	<b>&lt;0.58</b>	ug/L	1.0	0.58	1		06/20/22 12:41	75-35-4	
Tetrachloroethene	<b>&lt;0.41</b>	ug/L	1.0	0.41	1		06/20/22 12:41	127-18-4	
Trichloroethene	<b>1.2</b>	ug/L	1.0	0.32	1		06/20/22 12:41	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	91	%	70-130		1		06/20/22 12:41	460-00-4	
1,2-Dichlorobenzene-d4 (S)	114	%	70-130		1		06/20/22 12:41	2199-69-1	
Toluene-d8 (S)	82	%	70-130		1		06/20/22 12:41	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40246589

**Sample: MH-18**      **Lab ID: 40246589016**      Collected: 06/14/22 07:00      Received: 06/15/22 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>0.50J</b>	ug/L	1.0	0.30	1		06/20/22 13:00	71-55-6	
1,1-Dichloroethane	<b>&lt;0.30</b>	ug/L	1.0	0.30	1		06/20/22 13:00	75-34-3	
1,1-Dichloroethene	<b>&lt;0.58</b>	ug/L	1.0	0.58	1		06/20/22 13:00	75-35-4	
Tetrachloroethene	<b>&lt;0.41</b>	ug/L	1.0	0.41	1		06/20/22 13:00	127-18-4	
Trichloroethene	<b>0.84J</b>	ug/L	1.0	0.32	1		06/20/22 13:00	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		06/20/22 13:00	460-00-4	
1,2-Dichlorobenzene-d4 (S)	116	%	70-130		1		06/20/22 13:00	2199-69-1	
Toluene-d8 (S)	82	%	70-130		1		06/20/22 13:00	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40246589

**Sample: MW-23A**      **Lab ID: 40246589017**      Collected: 06/14/22 08:10      Received: 06/15/22 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		06/20/22 15:58	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/20/22 15:58	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/20/22 15:58	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/20/22 15:58	127-18-4	
Trichloroethene	0.54J	ug/L	1.0	0.32	1		06/20/22 15:58	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	91	%	70-130		1		06/20/22 15:58	460-00-4	
1,2-Dichlorobenzene-d4 (S)	113	%	70-130		1		06/20/22 15:58	2199-69-1	
Toluene-d8 (S)	83	%	70-130		1		06/20/22 15:58	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40246589

**Sample: MW-23B**      **Lab ID: 40246589018**      Collected: 06/14/22 08:08      Received: 06/15/22 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		06/20/22 16:17	71-55-6	
1,1-Dichloroethane	<b>&lt;0.30</b>	ug/L	1.0	0.30	1		06/20/22 16:17	75-34-3	
1,1-Dichloroethene	<b>&lt;0.58</b>	ug/L	1.0	0.58	1		06/20/22 16:17	75-35-4	
Tetrachloroethene	<b>&lt;0.41</b>	ug/L	1.0	0.41	1		06/20/22 16:17	127-18-4	
Trichloroethene	<b>1.6</b>	ug/L	1.0	0.32	1		06/20/22 16:17	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	94	%	70-130		1		06/20/22 16:17	460-00-4	
1,2-Dichlorobenzene-d4 (S)	116	%	70-130		1		06/20/22 16:17	2199-69-1	
Toluene-d8 (S)	85	%	70-130		1		06/20/22 16:17	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40246589

**Sample: MW-38A**      **Lab ID: 40246589019**      Collected: 06/14/22 08:45      Received: 06/15/22 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		06/20/22 16:37	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/20/22 16:37	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/20/22 16:37	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/20/22 16:37	127-18-4	
Trichloroethene	1.3	ug/L	1.0	0.32	1		06/20/22 16:37	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	91	%	70-130		1		06/20/22 16:37	460-00-4	
1,2-Dichlorobenzene-d4 (S)	113	%	70-130		1		06/20/22 16:37	2199-69-1	
Toluene-d8 (S)	82	%	70-130		1		06/20/22 16:37	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40246589

**Sample: MW-38B**      **Lab ID: 40246589020**      Collected: 06/14/22 08:35      Received: 06/15/22 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>0.52J</b>	ug/L	1.0	0.30	1		06/17/22 11:02	71-55-6	
1,1-Dichloroethane	<b>&lt;0.30</b>	ug/L	1.0	0.30	1		06/17/22 11:02	75-34-3	
1,1-Dichloroethene	<b>&lt;0.58</b>	ug/L	1.0	0.58	1		06/17/22 11:02	75-35-4	
Tetrachloroethene	<b>&lt;0.41</b>	ug/L	1.0	0.41	1		06/17/22 11:02	127-18-4	
Trichloroethene	<b>3.1</b>	ug/L	1.0	0.32	1		06/17/22 11:02	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	93	%	70-130		1		06/17/22 11:02	460-00-4	
1,2-Dichlorobenzene-d4 (S)	112	%	70-130		1		06/17/22 11:02	2199-69-1	
Toluene-d8 (S)	87	%	70-130		1		06/17/22 11:02	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40246589

**Sample: MW-41B**      **Lab ID: 40246589021**      Collected: 06/14/22 09:20      Received: 06/15/22 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		06/20/22 16:57	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/20/22 16:57	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/20/22 16:57	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/20/22 16:57	127-18-4	
Trichloroethene	2.5	ug/L	1.0	0.32	1		06/20/22 16:57	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	93	%	70-130		1		06/20/22 16:57	460-00-4	
1,2-Dichlorobenzene-d4 (S)	115	%	70-130		1		06/20/22 16:57	2199-69-1	
Toluene-d8 (S)	83	%	70-130		1		06/20/22 16:57	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40246589

**Sample: MW-43A**      **Lab ID: 40246589022**      Collected: 06/14/22 09:30      Received: 06/15/22 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>0.47J</b>	ug/L	1.0	0.30	1		06/20/22 17:16	71-55-6	
1,1-Dichloroethane	<b>&lt;0.30</b>	ug/L	1.0	0.30	1		06/20/22 17:16	75-34-3	
1,1-Dichloroethene	<b>&lt;0.58</b>	ug/L	1.0	0.58	1		06/20/22 17:16	75-35-4	
Tetrachloroethene	<b>&lt;0.41</b>	ug/L	1.0	0.41	1		06/20/22 17:16	127-18-4	
Trichloroethene	<b>2.3</b>	ug/L	1.0	0.32	1		06/20/22 17:16	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		06/20/22 17:16	460-00-4	
1,2-Dichlorobenzene-d4 (S)	114	%	70-130		1		06/20/22 17:16	2199-69-1	
Toluene-d8 (S)	84	%	70-130		1		06/20/22 17:16	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40246589

**Sample: MW-43B**      **Lab ID: 40246589023**      Collected: 06/14/22 09:25      Received: 06/15/22 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>0.49J</b>	ug/L	1.0	0.30	1		06/20/22 17:36	71-55-6	
1,1-Dichloroethane	<b>&lt;0.30</b>	ug/L	1.0	0.30	1		06/20/22 17:36	75-34-3	
1,1-Dichloroethene	<b>&lt;0.58</b>	ug/L	1.0	0.58	1		06/20/22 17:36	75-35-4	
Tetrachloroethene	<b>&lt;0.41</b>	ug/L	1.0	0.41	1		06/20/22 17:36	127-18-4	
Trichloroethene	<b>1.3</b>	ug/L	1.0	0.32	1		06/20/22 17:36	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	92	%	70-130		1		06/20/22 17:36	460-00-4	
1,2-Dichlorobenzene-d4 (S)	111	%	70-130		1		06/20/22 17:36	2199-69-1	
Toluene-d8 (S)	84	%	70-130		1		06/20/22 17:36	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40246589

**Sample: RW-16**      **Lab ID: 40246589024**      Collected: 06/14/22 10:00      Received: 06/15/22 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		06/20/22 17:56	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/20/22 17:56	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/20/22 17:56	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/20/22 17:56	127-18-4	
Trichloroethene	2.5	ug/L	1.0	0.32	1		06/20/22 17:56	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	96	%	70-130		1		06/20/22 17:56	460-00-4	
1,2-Dichlorobenzene-d4 (S)	114	%	70-130		1		06/20/22 17:56	2199-69-1	
Toluene-d8 (S)	83	%	70-130		1		06/20/22 17:56	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40246589

**Sample: RW-16B**      **Lab ID: 40246589025**      Collected: 06/14/22 10:05      Received: 06/15/22 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>0.41J</b>	ug/L	1.0	0.30	1		06/20/22 18:15	71-55-6	
1,1-Dichloroethane	<b>&lt;0.30</b>	ug/L	1.0	0.30	1		06/20/22 18:15	75-34-3	
1,1-Dichloroethene	<b>&lt;0.58</b>	ug/L	1.0	0.58	1		06/20/22 18:15	75-35-4	
Tetrachloroethene	<b>&lt;0.41</b>	ug/L	1.0	0.41	1		06/20/22 18:15	127-18-4	
Trichloroethene	<b>3.1</b>	ug/L	1.0	0.32	1		06/20/22 18:15	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	96	%	70-130		1		06/20/22 18:15	460-00-4	
1,2-Dichlorobenzene-d4 (S)	117	%	70-130		1		06/20/22 18:15	2199-69-1	
Toluene-d8 (S)	84	%	70-130		1		06/20/22 18:15	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40246589

**Sample: RW-16C**      **Lab ID: 40246589026**      Collected: 06/14/22 10:15      Received: 06/15/22 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		06/20/22 18:35	71-55-6	
1,1-Dichloroethane	<b>&lt;0.30</b>	ug/L	1.0	0.30	1		06/20/22 18:35	75-34-3	
1,1-Dichloroethene	<b>&lt;0.58</b>	ug/L	1.0	0.58	1		06/20/22 18:35	75-35-4	
Tetrachloroethene	<b>&lt;0.41</b>	ug/L	1.0	0.41	1		06/20/22 18:35	127-18-4	
Trichloroethene	<b>3.1</b>	ug/L	1.0	0.32	1		06/20/22 18:35	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	96	%	70-130		1		06/20/22 18:35	460-00-4	
1,2-Dichlorobenzene-d4 (S)	115	%	70-130		1		06/20/22 18:35	2199-69-1	
Toluene-d8 (S)	82	%	70-130		1		06/20/22 18:35	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40246589

**Sample: RW-3A**      **Lab ID: 40246589027**      Collected: 06/14/22 11:15      Received: 06/15/22 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		06/17/22 11:22	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/17/22 11:22	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/17/22 11:22	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/17/22 11:22	127-18-4	
Trichloroethene	2.2	ug/L	1.0	0.32	1		06/17/22 11:22	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	96	%	70-130		1		06/17/22 11:22	460-00-4	
1,2-Dichlorobenzene-d4 (S)	118	%	70-130		1		06/17/22 11:22	2199-69-1	
Toluene-d8 (S)	86	%	70-130		1		06/17/22 11:22	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40246589

**Sample: RW-3B**      **Lab ID: 40246589028**      Collected: 06/14/22 11:20      Received: 06/15/22 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>0.30J</b>	ug/L	1.0	0.30	1		06/17/22 11:41	71-55-6	
1,1-Dichloroethane	<b>&lt;0.30</b>	ug/L	1.0	0.30	1		06/17/22 11:41	75-34-3	
1,1-Dichloroethene	<b>&lt;0.58</b>	ug/L	1.0	0.58	1		06/17/22 11:41	75-35-4	
Tetrachloroethene	<b>&lt;0.41</b>	ug/L	1.0	0.41	1		06/17/22 11:41	127-18-4	
Trichloroethene	<b>3.1</b>	ug/L	1.0	0.32	1		06/17/22 11:41	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	94	%	70-130		1		06/17/22 11:41	460-00-4	
1,2-Dichlorobenzene-d4 (S)	113	%	70-130		1		06/17/22 11:41	2199-69-1	
Toluene-d8 (S)	84	%	70-130		1		06/17/22 11:41	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40246589

**Sample: RW-3C**      **Lab ID: 40246589029**      Collected: 06/14/22 11:25      Received: 06/15/22 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>0.30J</b>	ug/L	1.0	0.30	1		06/17/22 12:40	71-55-6	
1,1-Dichloroethane	<b>&lt;0.30</b>	ug/L	1.0	0.30	1		06/17/22 12:40	75-34-3	
1,1-Dichloroethene	<b>&lt;0.58</b>	ug/L	1.0	0.58	1		06/17/22 12:40	75-35-4	
Tetrachloroethene	<b>&lt;0.41</b>	ug/L	1.0	0.41	1		06/17/22 12:40	127-18-4	
Trichloroethene	<b>3.5</b>	ug/L	1.0	0.32	1		06/17/22 12:40	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	93	%	70-130		1		06/17/22 12:40	460-00-4	
1,2-Dichlorobenzene-d4 (S)	113	%	70-130		1		06/17/22 12:40	2199-69-1	
Toluene-d8 (S)	86	%	70-130		1		06/17/22 12:40	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40246589

**Sample: MW-38C**      **Lab ID: 40246589030**      Collected: 06/14/22 08:40      Received: 06/15/22 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		06/17/22 13:00	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/17/22 13:00	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/17/22 13:00	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/17/22 13:00	127-18-4	
Trichloroethene	1.2	ug/L	1.0	0.32	1		06/17/22 13:00	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		06/17/22 13:00	460-00-4	
1,2-Dichlorobenzene-d4 (S)	114	%	70-130		1		06/17/22 13:00	2199-69-1	
Toluene-d8 (S)	86	%	70-130		1		06/17/22 13:00	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40246589

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**Sample:** RW-2A      **Lab ID:** 40246589031      Collected: 06/14/22 08:00      Received: 06/15/22 09:40      Matrix: Water

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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		06/17/22 13:20	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/17/22 13:20	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/17/22 13:20	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/17/22 13:20	127-18-4	
Trichloroethene	1.0	ug/L	1.0	0.32	1		06/17/22 13:20	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	93	%	70-130		1		06/17/22 13:20	460-00-4	
1,2-Dichlorobenzene-d4 (S)	114	%	70-130		1		06/17/22 13:20	2199-69-1	
Toluene-d8 (S)	86	%	70-130		1		06/17/22 13:20	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40246589

**Sample: RW-2B**      **Lab ID: 40246589032**      Collected: 06/14/22 08:05      Received: 06/15/22 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>0.43J</b>	ug/L	1.0	0.30	1		06/17/22 13:39	71-55-6	
1,1-Dichloroethane	<b>&lt;0.30</b>	ug/L	1.0	0.30	1		06/17/22 13:39	75-34-3	
1,1-Dichloroethene	<b>&lt;0.58</b>	ug/L	1.0	0.58	1		06/17/22 13:39	75-35-4	
Tetrachloroethene	<b>&lt;0.41</b>	ug/L	1.0	0.41	1		06/17/22 13:39	127-18-4	
Trichloroethene	<b>2.4</b>	ug/L	1.0	0.32	1		06/17/22 13:39	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	96	%	70-130		1		06/17/22 13:39	460-00-4	
1,2-Dichlorobenzene-d4 (S)	114	%	70-130		1		06/17/22 13:39	2199-69-1	
Toluene-d8 (S)	86	%	70-130		1		06/17/22 13:39	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40246589

**Sample: RW-2C**      **Lab ID: 40246589033**      Collected: 06/14/22 08:10      Received: 06/15/22 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		06/17/22 12:01	71-55-6	
1,1-Dichloroethane	<b>&lt;0.30</b>	ug/L	1.0	0.30	1		06/17/22 12:01	75-34-3	
1,1-Dichloroethene	<b>&lt;0.58</b>	ug/L	1.0	0.58	1		06/17/22 12:01	75-35-4	
Tetrachloroethene	<b>&lt;0.41</b>	ug/L	1.0	0.41	1		06/17/22 12:01	127-18-4	
Trichloroethene	<b>2.1</b>	ug/L	1.0	0.32	1		06/17/22 12:01	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	95	%	70-130		1		06/17/22 12:01	460-00-4	
1,2-Dichlorobenzene-d4 (S)	114	%	70-130		1		06/17/22 12:01	2199-69-1	
Toluene-d8 (S)	87	%	70-130		1		06/17/22 12:01	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40246589

**Sample: RW-15**      **Lab ID: 40246589034**      Collected: 06/14/22 10:40      Received: 06/15/22 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>0.38J</b>	ug/L	1.0	0.30	1		06/17/22 13:59	71-55-6	
1,1-Dichloroethane	<b>&lt;0.30</b>	ug/L	1.0	0.30	1		06/17/22 13:59	75-34-3	
1,1-Dichloroethene	<b>&lt;0.58</b>	ug/L	1.0	0.58	1		06/17/22 13:59	75-35-4	
Tetrachloroethene	<b>&lt;0.41</b>	ug/L	1.0	0.41	1		06/17/22 13:59	127-18-4	
Trichloroethene	<b>3.0</b>	ug/L	1.0	0.32	1		06/17/22 13:59	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	96	%	70-130		1		06/17/22 13:59	460-00-4	
1,2-Dichlorobenzene-d4 (S)	114	%	70-130		1		06/17/22 13:59	2199-69-1	
Toluene-d8 (S)	88	%	70-130		1		06/17/22 13:59	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40246589

**Sample: WW-15**      **Lab ID: 40246589035**      Collected: 06/14/22 08:25      Received: 06/15/22 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		06/17/22 16:17	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/17/22 16:17	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/17/22 16:17	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/17/22 16:17	127-18-4	
Trichloroethene	0.50J	ug/L	1.0	0.32	1		06/17/22 16:17	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	93	%	70-130		1		06/17/22 16:17	460-00-4	
1,2-Dichlorobenzene-d4 (S)	116	%	70-130		1		06/17/22 16:17	2199-69-1	
Toluene-d8 (S)	87	%	70-130		1		06/17/22 16:17	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI  
Pace Project No.: 40246589

**Sample: MW-35A**      **Lab ID: 40246589036**      Collected: 06/14/22 09:00      Received: 06/15/22 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>0.43J</b>	ug/L	1.0	0.30	1		06/17/22 14:19	71-55-6	
1,1-Dichloroethane	<b>&lt;0.30</b>	ug/L	1.0	0.30	1		06/17/22 14:19	75-34-3	
1,1-Dichloroethene	<b>&lt;0.58</b>	ug/L	1.0	0.58	1		06/17/22 14:19	75-35-4	
Tetrachloroethene	<b>&lt;0.41</b>	ug/L	1.0	0.41	1		06/17/22 14:19	127-18-4	
Trichloroethene	<b>0.84J</b>	ug/L	1.0	0.32	1		06/17/22 14:19	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	95	%	70-130		1		06/17/22 14:19	460-00-4	
1,2-Dichlorobenzene-d4 (S)	116	%	70-130		1		06/17/22 14:19	2199-69-1	
Toluene-d8 (S)	87	%	70-130		1		06/17/22 14:19	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40246589

**Sample: MW-35B**      **Lab ID: 40246589037**      Collected: 06/14/22 09:05      Received: 06/15/22 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>0.40J</b>	ug/L	1.0	0.30	1		06/17/22 14:38	71-55-6	
1,1-Dichloroethane	<b>&lt;0.30</b>	ug/L	1.0	0.30	1		06/17/22 14:38	75-34-3	
1,1-Dichloroethene	<b>&lt;0.58</b>	ug/L	1.0	0.58	1		06/17/22 14:38	75-35-4	
Tetrachloroethene	<b>&lt;0.41</b>	ug/L	1.0	0.41	1		06/17/22 14:38	127-18-4	
Trichloroethene	<b>1.0</b>	ug/L	1.0	0.32	1		06/17/22 14:38	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	95	%	70-130		1		06/17/22 14:38	460-00-4	
1,2-Dichlorobenzene-d4 (S)	115	%	70-130		1		06/17/22 14:38	2199-69-1	
Toluene-d8 (S)	85	%	70-130		1		06/17/22 14:38	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40246589

**Sample: RW-3A DUP**      **Lab ID: 40246589038**      Collected: 06/14/22 11:15      Received: 06/15/22 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		06/17/22 12:21	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/17/22 12:21	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/17/22 12:21	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/17/22 12:21	127-18-4	
Trichloroethene	2.1	ug/L	1.0	0.32	1		06/17/22 12:21	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	98	%	70-130		1		06/17/22 12:21	460-00-4	
1,2-Dichlorobenzene-d4 (S)	117	%	70-130		1		06/17/22 12:21	2199-69-1	
Toluene-d8 (S)	84	%	70-130		1		06/17/22 12:21	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40246589

**Sample: MW-43B DUP**      **Lab ID: 40246589039**      Collected: 06/14/22 09:25      Received: 06/15/22 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>0.40J</b>	ug/L	1.0	0.30	1		06/17/22 14:58	71-55-6	
1,1-Dichloroethane	<b>&lt;0.30</b>	ug/L	1.0	0.30	1		06/17/22 14:58	75-34-3	
1,1-Dichloroethene	<b>&lt;0.58</b>	ug/L	1.0	0.58	1		06/17/22 14:58	75-35-4	
Tetrachloroethene	<b>&lt;0.41</b>	ug/L	1.0	0.41	1		06/17/22 14:58	127-18-4	
Trichloroethene	<b>1.4</b>	ug/L	1.0	0.32	1		06/17/22 14:58	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		06/17/22 14:58	460-00-4	
1,2-Dichlorobenzene-d4 (S)	113	%	70-130		1		06/17/22 14:58	2199-69-1	
Toluene-d8 (S)	84	%	70-130		1		06/17/22 14:58	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40246589

**Sample: MW-65C**      **Lab ID: 40246589040**      Collected: 06/14/22 07:40      Received: 06/15/22 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		06/17/22 15:18	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/17/22 15:18	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/17/22 15:18	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/17/22 15:18	127-18-4	
Trichloroethene	0.62J	ug/L	1.0	0.32	1		06/17/22 15:18	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	94	%	70-130		1		06/17/22 15:18	460-00-4	
1,2-Dichlorobenzene-d4 (S)	111	%	70-130		1		06/17/22 15:18	2199-69-1	
Toluene-d8 (S)	84	%	70-130		1		06/17/22 15:18	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40246589

**Sample: TRIP BLANK**      **Lab ID: 40246589041**      Collected: 06/14/22 00:00      Received: 06/15/22 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		06/17/22 10:42	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/17/22 10:42	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/17/22 10:42	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/17/22 10:42	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		06/17/22 10:42	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	95	%	70-130		1		06/17/22 10:42	460-00-4	
1,2-Dichlorobenzene-d4 (S)	114	%	70-130		1		06/17/22 10:42	2199-69-1	
Toluene-d8 (S)	86	%	70-130		1		06/17/22 10:42	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40246589

**Sample: MW41A**      **Lab ID: 40246589042**      Collected: 06/14/22 09:15      Received: 06/15/22 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		06/17/22 15:57	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/17/22 15:57	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/17/22 15:57	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/17/22 15:57	127-18-4	
Trichloroethene	2.3	ug/L	1.0	0.32	1		06/17/22 15:57	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	96	%	70-130		1		06/17/22 15:57	460-00-4	
1,2-Dichlorobenzene-d4 (S)	113	%	70-130		1		06/17/22 15:57	2199-69-1	
Toluene-d8 (S)	87	%	70-130		1		06/17/22 15:57	2037-26-5	

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### QUALITY CONTROL DATA

Project: 34283.000 NPI

Pace Project No.: 40246589

QC Batch: 418841

Analysis Method: EPA 6010D

QC Batch Method: EPA 6010D

Analysis Description: ICP Metals, Trace, Dissolved

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40246589002

METHOD BLANK: 2411992

Matrix: Water

Associated Lab Samples: 40246589002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cadmium, Dissolved	ug/L	<1.3	5.0	06/21/22 11:58	

LABORATORY CONTROL SAMPLE: 2411993

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cadmium, Dissolved	ug/L	250	256	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2411994 2411995

Parameter	Units	2411994		2411995		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40246482001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							MSD Result
Cadmium, Dissolved	ug/L	<1.3	250	250	257	260	103	104	75-125	1	20	

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### QUALITY CONTROL DATA

Project: 34283.000 NPI  
Pace Project No.: 40246589

QC Batch: 418479      Analysis Method: EPA 8260  
QC Batch Method: EPA 8260      Analysis Description: 8260 MSV  
Laboratory: Pace Analytical Services - Green Bay  
Associated Lab Samples: 40246589001, 40246589003, 40246589004, 40246589007

METHOD BLANK: 2410107      Matrix: Water  
Associated Lab Samples: 40246589001, 40246589003, 40246589004, 40246589007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.30	1.0	06/17/22 09:10	
1,1-Dichloroethane	ug/L	<0.30	1.0	06/17/22 09:10	
1,1-Dichloroethene	ug/L	<0.58	1.0	06/17/22 09:10	
Tetrachloroethene	ug/L	<0.41	1.0	06/17/22 09:10	
Trichloroethene	ug/L	<0.32	1.0	06/17/22 09:10	
1,2-Dichlorobenzene-d4 (S)	%	106	70-130	06/17/22 09:10	
4-Bromofluorobenzene (S)	%	101	70-130	06/17/22 09:10	
Toluene-d8 (S)	%	97	70-130	06/17/22 09:10	

LABORATORY CONTROL SAMPLE: 2410108

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	55.3	111	70-134	
1,1-Dichloroethane	ug/L	50	54.5	109	70-130	
1,1-Dichloroethene	ug/L	50	56.3	113	74-131	
Tetrachloroethene	ug/L	50	54.5	109	70-130	
Trichloroethene	ug/L	50	52.9	106	70-130	
1,2-Dichlorobenzene-d4 (S)	%			101	70-130	
4-Bromofluorobenzene (S)	%			103	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2410109      2410110

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40246589007 Result	Spike Conc.	Spike Conc.	Result						
1,1,1-Trichloroethane	ug/L	0.45J	50	50	56.8	55.8	113	111	70-134	2	20
1,1-Dichloroethane	ug/L	<0.30	50	50	56.0	55.4	112	111	70-130	1	20
1,1-Dichloroethene	ug/L	<0.58	50	50	58.7	56.6	117	113	71-130	4	20
Tetrachloroethene	ug/L	<0.41	50	50	54.9	54.1	110	108	70-130	2	20
Trichloroethene	ug/L	<0.32	50	50	54.6	53.5	109	107	70-130	2	20
1,2-Dichlorobenzene-d4 (S)	%						99	101	70-130		
4-Bromofluorobenzene (S)	%						103	104	70-130		
Toluene-d8 (S)	%						99	99	70-130		

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### QUALITY CONTROL DATA

Project: 34283.000 NPI  
Pace Project No.: 40246589

QC Batch: 418480 Analysis Method: EPA 8260  
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV  
Laboratory: Pace Analytical Services - Green Bay  
Associated Lab Samples: 40246589005, 40246589006, 40246589008, 40246589009, 40246589010, 40246589011, 40246589012, 40246589013, 40246589014, 40246589015, 40246589016, 40246589017, 40246589018, 40246589019, 40246589021, 40246589022, 40246589023, 40246589024, 40246589025, 40246589026

METHOD BLANK: 2410111 Matrix: Water  
Associated Lab Samples: 40246589005, 40246589006, 40246589008, 40246589009, 40246589010, 40246589011, 40246589012, 40246589013, 40246589014, 40246589015, 40246589016, 40246589017, 40246589018, 40246589019, 40246589021, 40246589022, 40246589023, 40246589024, 40246589025, 40246589026

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.30	1.0	06/20/22 10:10	
1,1-Dichloroethane	ug/L	<0.30	1.0	06/20/22 10:10	
1,1-Dichloroethene	ug/L	<0.58	1.0	06/20/22 10:10	
Tetrachloroethene	ug/L	<0.41	1.0	06/20/22 10:10	
Trichloroethene	ug/L	<0.32	1.0	06/20/22 10:10	
1,2-Dichlorobenzene-d4 (S)	%	113	70-130	06/20/22 10:10	
4-Bromofluorobenzene (S)	%	96	70-130	06/20/22 10:10	
Toluene-d8 (S)	%	86	70-130	06/20/22 10:10	

LABORATORY CONTROL SAMPLE: 2410112

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	60.9	122	70-134	
1,1-Dichloroethane	ug/L	50	60.0	120	70-130	
1,1-Dichloroethene	ug/L	50	57.9	116	74-131	
Tetrachloroethene	ug/L	50	58.3	117	70-130	
Trichloroethene	ug/L	50	58.9	118	70-130	
1,2-Dichlorobenzene-d4 (S)	%			102	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Toluene-d8 (S)	%			88	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2410113 2410114

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40246589015 Result	Spike Conc.	Spike Conc.	MS Result						
1,1,1-Trichloroethane	ug/L	0.88J	50	50	58.9	59.2	116	117	70-134	0	20
1,1-Dichloroethane	ug/L	<0.30	50	50	56.0	59.4	112	119	70-130	6	20
1,1-Dichloroethene	ug/L	<0.58	50	50	56.3	57.4	113	115	71-130	2	20
Tetrachloroethene	ug/L	<0.41	50	50	56.9	57.9	114	116	70-130	2	20
Trichloroethene	ug/L	1.2	50	50	59.0	59.2	116	116	70-130	0	20
1,2-Dichlorobenzene-d4 (S)	%						99	101	70-130		
4-Bromofluorobenzene (S)	%						101	102	70-130		
Toluene-d8 (S)	%						89	88	70-130		

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### QUALITY CONTROL DATA

Project: 34283.000 NPI  
Pace Project No.: 40246589

QC Batch:	418481	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40246589020, 40246589027, 40246589028, 40246589029, 40246589030, 40246589031, 40246589032, 40246589033, 40246589034, 40246589035, 40246589036, 40246589037, 40246589038, 40246589039, 40246589040, 40246589041, 40246589042

METHOD BLANK: 2410115 Matrix: Water  
Associated Lab Samples: 40246589020, 40246589027, 40246589028, 40246589029, 40246589030, 40246589031, 40246589032, 40246589033, 40246589034, 40246589035, 40246589036, 40246589037, 40246589038, 40246589039, 40246589040, 40246589041, 40246589042

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.30	1.0	06/17/22 08:05	
1,1-Dichloroethane	ug/L	<0.30	1.0	06/17/22 08:05	
1,1-Dichloroethene	ug/L	<0.58	1.0	06/17/22 08:05	
Tetrachloroethene	ug/L	<0.41	1.0	06/17/22 08:05	
Trichloroethene	ug/L	<0.32	1.0	06/17/22 08:05	
1,2-Dichlorobenzene-d4 (S)	%	113	70-130	06/17/22 08:05	
4-Bromofluorobenzene (S)	%	96	70-130	06/17/22 08:05	
Toluene-d8 (S)	%	87	70-130	06/17/22 08:05	

LABORATORY CONTROL SAMPLE: 2410116

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	55.7	111	70-134	
1,1-Dichloroethane	ug/L	50	56.4	113	70-130	
1,1-Dichloroethene	ug/L	50	53.4	107	74-131	
Tetrachloroethene	ug/L	50	54.8	110	70-130	
Trichloroethene	ug/L	50	53.9	108	70-130	
1,2-Dichlorobenzene-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			102	70-130	
Toluene-d8 (S)	%			91	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2410117 2410118

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40246589020 Result	Spike Conc.	Spike Conc.	MS Result						
1,1,1-Trichloroethane	ug/L	0.52J	50	50	57.3	58.2	114	115	70-134	2	20
1,1-Dichloroethane	ug/L	<0.30	50	50	55.6	59.5	111	119	70-130	7	20
1,1-Dichloroethene	ug/L	<0.58	50	50	54.1	53.5	108	107	71-130	1	20
Tetrachloroethene	ug/L	<0.41	50	50	54.9	56.3	110	113	70-130	3	20
Trichloroethene	ug/L	3.1	50	50	58.6	59.1	111	112	70-130	1	20
1,2-Dichlorobenzene-d4 (S)	%						100	99	70-130		
4-Bromofluorobenzene (S)	%						101	103	70-130		
Toluene-d8 (S)	%						89	91	70-130		

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## QUALIFIERS

Project: 34283.000 NPI

Pace Project No.: 40246589

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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.

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 34283.000 NPI  
Pace Project No.: 40246589

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40246589002	MW-10A	EPA 6010D	418841		
40246589001	MW-4B	EPA 8260	418479		
40246589003	MW-34A	EPA 8260	418479		
40246589004	MW-68A	EPA 8260	418479		
40246589005	MW-68B	EPA 8260	418480		
40246589006	MW-70A	EPA 8260	418480		
40246589007	MW-76A	EPA 8260	418479		
40246589008	MW-77A	EPA 8260	418480		
40246589009	MW-77B	EPA 8260	418480		
40246589010	MW-77B DUP	EPA 8260	418480		
40246589011	MW-77C	EPA 8260	418480		
40246589012	MW-5A	EPA 8260	418480		
40246589013	MW-62AR	EPA 8260	418480		
40246589014	TRIP BLANK	EPA 8260	418480		
40246589015	EW-6	EPA 8260	418480		
40246589016	MH-18	EPA 8260	418480		
40246589017	MW-23A	EPA 8260	418480		
40246589018	MW-23B	EPA 8260	418480		
40246589019	MW-38A	EPA 8260	418480		
40246589020	MW-38B	EPA 8260	418481		
40246589021	MW-41B	EPA 8260	418480		
40246589022	MW-43A	EPA 8260	418480		
40246589023	MW-43B	EPA 8260	418480		
40246589024	RW-16	EPA 8260	418480		
40246589025	RW-16B	EPA 8260	418480		
40246589026	RW-16C	EPA 8260	418480		
40246589027	RW-3A	EPA 8260	418481		
40246589028	RW-3B	EPA 8260	418481		
40246589029	RW-3C	EPA 8260	418481		
40246589030	MW-38C	EPA 8260	418481		
40246589031	RW-2A	EPA 8260	418481		
40246589032	RW-2B	EPA 8260	418481		
40246589033	RW-2C	EPA 8260	418481		
40246589034	RW-15	EPA 8260	418481		
40246589035	WW-15	EPA 8260	418481		
40246589036	MW-35A	EPA 8260	418481		
40246589037	MW-35B	EPA 8260	418481		
40246589038	RW-3A DUP	EPA 8260	418481		
40246589039	MW-43B DUP	EPA 8260	418481		
40246589040	MW-65C	EPA 8260	418481		
40246589041	TRIP BLANK	EPA 8260	418481		
40246589042	MW41A	EPA 8260	418481		

### REPORT OF LABORATORY ANALYSIS

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

402465801

**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 County/City: Eau Claire Time Zone Collected: [ ]PT [x]CT [ ]ET

Phone: 608/695-3651 Email: cwright@gfnet.com	Site/Facility ID #: 609038320	Compliance Monitoring? <input checked="" type="checkbox"/> Yes [ ] No
Collected By (print): Chelsea Payne	Purchase Order #: Quote #: Pace 2022	DW PWS ID #: DW Location Code:
Collected By (signature): <i>[Signature]</i>	Turnaround Date Required: Standard	Immediately Packed on Ice: <input checked="" type="checkbox"/> 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-4B	GW	Grab	6/13/22	13:47					G	3	
MW-10A				12:55					P	1	
MW-34A				13:15					G	3	
MW-68A				13:28						3	
MW-68B				13:36						3	
MW-70A				13:05						3	
MW-76A				14:25						6	
MW-77A				14:05						3	
MW-77B				14:08						3	
MW-77B dup				14:08						3	

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: Y N NA</p> <p>VOA - Headspace Acceptable: Y N NA</p> <p>USDA Regulated: 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>										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 1 Temp Upon Receipt: ___oC Cooler 1 Therm Corr. Factor: ___oC Cooler 1 Corrected Temp: ___oC Comments:
---

Relinquished by/Company: (Signature) <i>[Signature]</i> Gannett Fleming	Date/Time: 6/14/22 15:36	Received by/Company: (Signature) <i>[Signature]</i> Pace	Date/Time: 6/15/22 0940
Relinquished by/Company: (Signature) <i>[Signature]</i> Fed Ex	Date/Time:	Received by/Company: (Signature)	Date/Time:
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: 1 of 5	Page 60 of 69





### 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

40246589

**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: Eau Claire Time Zone Collected: PT [ ] MT [x] CT [ ] ET [ ]

Phone: 608/695-3651 Site/Facility ID #: 609038320 Compliance Monitoring?  
 Email: cwright@gfnet.com  Yes [ ] No  
 Collected By (print): Chelsea Payne Purchase Order #: DW PWS ID #:  
 Quote #: Pace 2022 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 [ ] Hold: [ ] 4 Day [ ] 5 Day 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-77C	GW	Grab	6/13/22	14:15	X						
MW-5A				12:17	X						
MW-62AR				12:10	X						
Trip Blank					X						
EW-6			6/14/22	7:10	X						
MW-18				7:00	X						
MW-23A				8:10	X						
MW-23B				8:05	X						
MW-38A				8:45	X						
MW-38B				8:35	X						

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 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 2 Corrected Temp: °C  
 Comments:

Relinquished by/Company: (Signature) <i>Gannett Fleming</i>	Date/Time: 6/14/22 15:30	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature) <i>Fed Ex</i>	Date/Time: 6/15/22 0940	Received by/Company: (Signature) <i>Susan Klyne</i>	Date/Time: 6/15/22 0940
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: 2 of 5 Page 6 of 69



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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

40246589

**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 / County/City: Eau Claire [ ] PT [ ] MT [ x ] CT [ ] JET
---	--

Phone: 608/695-3651 Email: cwright@gfnet.com	Site/Facility ID #: 609038320	Compliance Monitoring? <input checked="" type="checkbox"/> Yes [ ] No
Collected By (print): Chelsea Payne	Purchase Order #: Quote #: Pace 2022	DW PWS ID #: DW Location Code:
Collected By (signature): <i>Chelsea Payne</i>	Turnaround Date Required: Standard	Immediately Packed on Ice: <input checked="" type="checkbox"/> 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		
<del>FRANKLIN WATER</del>	GW	Grab	6/14	11:15				
MW-41B				9:20				
MW-43A				9:30				
MW-43B				9:25				
RW-16				10:00				
RW-16B				10:05				
RW-16C				10:15				
RW-3A				11:15				
RW-3B				11:20				
RW-3C				11:25				

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	
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  
022  
023  
024  
025  
026  
027  
028  
029

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>Kristen Bachle</i>	Date/Time: 6/14/22 15:30	Received by/Company: (Signature) <i>Susant Ulfu</i>	Date/Time: 6/15/22
Relinquished by/Company: (Signature) <i>Fed Ex</i>	Date/Time: 0940 6/15/22	Received by/Company: (Signature) <i>Derrick Paul</i>	Date/Time: 0940 6/15/22
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: 3 of: 5 Page 62 of 69



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

**40246589**

**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)  
 Report To: Cliff Wright | Email To: dpaul@gopresto.com | 3925 N Hastings Way, Eau Claire, WI 54703  
 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 | Time Zone Collected: [ ]PT [x]MT [ ]ET [ ]ET  
 Phone: 608/695-3651 | Site/Facility ID #: 609038320 | Compliance Monitoring? [x]Yes [ ]No  
 Email: cwright@gfnet.com | Purchase Order #: | DW PWS ID #:  
 Collected By (print): Chelsea Payne | Quote #: Pace 2022 | DW Location Code:  
 Collected By (signature): *[Signature]* | Turnaround Date Required: Standard | Immediately Packed on Ice: [x]Yes [ ]No  
 Sample Disposal: [x] Dispose as appropriate | Rush: (Expedite Charges Apply) [ ] Same Day [ ] Next Day | Field Filtered (if applicable): [x] Yes [ ] No  
 [ ] Return [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day | Analysis: Dissolved Cd  
 [ ] Archive: | [ ] 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)

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:		
<b>NPI Short-list VOCs</b>	<b>Dissolved cadmium (Cd)</b>											<b>Lab Sample Receipt Checklist:</b>		
													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:			
											<b>LAB USE ONLY:</b>			
											Lab Sample # / Comments:			

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-38C	GW	Grab	6/14/22	8:40					G	3	
RW-2A				8:00						3	
RW-2B				8:05						3	
RW-2E				8:10						3	
RW-15				10:40						3	
WW-15				8:25						3	
MW-35A				9:00						3	
MW-35B				9:05						3	
<del>MW-37A</del>											
<del>MW-37B</del>											

**030**  
**031**  
**032**  
**033**  
**034**  
**035**  
**036**  
**037**

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) *[Signature]* Gannett Fleming  
 Date/Time: 6/14/22 15:30

Date/Time: 6/15/22 0940

Received by/Company: (Signature) *[Signature]* Pace  
 Date/Time: 6/15/22 0940

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

Trip Blank Received: Y N NA  
 HCL MeOH TSP Other

Relinquished by/Company: (Signature)

Date/Time:

Received by/Company: (Signature)

Date/Time:

(Please Print Clearly)

Company Name: Gannett Fleming  
 Branch/Location: Madison, WI  
 Project Contact: Cliff Wright  
 Phone: 608/695-3651  
 Project Number: 34283.000  
 Project Name: NPI  
 Project State: WI  
 Sampled By (Print): Chelsea Payne  
 Sampled By (Sign): [Signature]  
 PO #: # 34283.000 Regulatory Program:



UPPER MIDWEST REGION  
 MN: 612-607-1700 WI: 920-469-2436

40246589

### CHAIN OF CUSTODY

**\*Preservation Codes**  
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH  
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED?  
(YES/NO)  
 PRESERVATION  
(CODE)\*

Y/N	Pick Letter	Analyses Requested
		NPI Short List VOCs

Quote #: Pace 2022  
 Mail To Contact:  
 Mail To Company: See invoice to  
 Mail To Address:  
 Invoice To Contact: Derrick Paul  
 Invoice To Company: National Presto Industries  
 Invoice To Address: 3925 N. Hastings Way  
Eau Claire, WI 54703  
 Invoice To Phone:  
 CLIENT COMMENTS: Please send copy of Level IV data pkg to Mary Gramon for validation & perform MS/MSD on VOC sample sets w/6 or more vials  
 LAB COMMENTS (Lab Use Only):  
 Profile #:  
038  
039  
040  
041  
042  
~~043~~  
~~044~~  
415608

**Data Package Options** (billable)  
 EPA Level III  
 EPA Level IV

**MS/MSD**  
 On your sample (billable)  
 NOT needed on your sample

**Matrix Codes**  
 A = Air W = Water  
 B = Biota DW = Drinking Water  
 C = Charcoal GW = Ground Water  
 O = Oil SW = Surface Water  
 S = Soil WW = Waste Water  
 SI = Sludge WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX	Y/N	Pick Letter
		DATE	TIME			
	<u>RW-3A dup</u>	<u>6/14/22</u>	<u>11:15</u>	<u>GW</u>		<u>3</u>
	<u>MW-43B dup</u>		<u>9:25</u>	<u>u</u>		<u>3</u>
	<del>MW-38B</del>			<u>u</u>		
	<u>MW-65C</u>		<u>7:40</u>	<u>GW</u>		<u>3</u>
	<u>Field Blank</u>			<u>GW</u>		<u>2</u>
	<u>MW41A</u>	<u>6/14/22</u>	<u>9:15</u>	<u>W</u>		<u>3</u>
	<del>EW6</del>	<del>6/14/22</del>	<del>7:40</del>	<del>W</del>		<del>6</del>

Rush Turnaround Time Requested - Prelims  
 (Rush TAT subject to approval/surcharge)  
 Date Needed:  
 Transmit Prelim Rush Results by (complete what you want):  
 Email #1:  
 Email #2:  
 Telephone:  
 Fax:  
 Samples on HOLD are subject to special pricing and release of liability

Relinquished By: [Signature] Date/Time: 6/14/22 15:35  
 Relinquished By: [Signature] Date/Time: 6/15/22 0940  
 Relinquished By: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Relinquished By: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Relinquished By: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Received By: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Received By: [Signature] Date/Time: 6/15/22 0940  
 Received By: [Signature] Date/Time: \_\_\_\_\_  
 Received By: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Received By: \_\_\_\_\_ Date/Time: \_\_\_\_\_

PACE Project No. 40246589  
 Receipt Temp = 0.0 °C  
 Sample Receipt pH (OK) Adjusted  
 Cooler Custody Seal Present / Not Present  
Intact / Not Intact

Client Name: Marrett Fleming Sample Preservation Receipt Form  
 Project # 40246589

All containers needing preservation have been checked and noted below:  Yes  No  N/A

Initial who completed: SW Date/Time:

Lab Lot# of pH paper: 1053112 Lab Std #ID of preservation (if pH adjusted):

Pace Lab #	Glass						Plastic					Vials					Jars				General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act 3H 2S	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	JGFU	JG9U	WGFU	WPFU								SP5T	ZPLC	GN			
001																																				2.5 / 5 / 10
002																																				2.5 / 5 / 10
003																																				2.5 / 5 / 10
004																																				2.5 / 5 / 10
005																																				2.5 / 5 / 10
006																																				2.5 / 5 / 10
007																																				2.5 / 5 / 10
008																																				2.5 / 5 / 10
009																																				2.5 / 5 / 10
010																																				2.5 / 5 / 10
011																																				2.5 / 5 / 10
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014																																				2.5 / 5 / 10
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016																																				2.5 / 5 / 10
017																																				2.5 / 5 / 10
018																																				2.5 / 5 / 10
019																																				2.5 / 5 / 10
020																																				2.5 / 5 / 10

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	VG9A	40 mL clear ascorbic	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
AG4U	120 mL amber glass unpres	BP3S	250 mL plastic H2SO4	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG5U	100 mL amber glass unpres			VG9D	40 mL clear vial DI	ZPLC	ziploc bag
AG2S	500 mL amber glass H2SO4					GN	
BG3U	250 mL clear glass unpres						

Client Name: Gannett Plumbing Sample Preservation Receipt Form  
 Project #: W02216589


Pace Lab #	Glass						Plastic					Vials				Jars			General		pH				Volume (mL)							
	AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T		ZPLC	GN	VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2
021																																2.5/5/10
022																																2.5/5/10
023																																2.5/5/10
024																																2.5/5/10
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																																2.5/5/10

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

Client Name: Harrett Fleming  
 Courier:  CS Logistics  Fed Ex  Speedee  UPS  Walco  
 Client  Pace Other: \_\_\_\_\_  
 Tracking #: 811261465746

Project #:

**WO#: 40246589**



40246589

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 - 105    Type of Ice: Wet Blue Dry None  Samples on ice, cooling process has begun  
 Cooler Temperature    Uncorr: 0,0 / Corr: 0,0  
 Temp Blank Present:  yes  no    Biological Tissue is Frozen:  yes  no

Person examining contents:  
 Date: 6/15/22 / Initials: SKD  
 Labeled By Initials: JP

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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>Filter 043 &amp; 044 in shipment 6/15/22</u>
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3. <u>dab added to COC per PM.</u>
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.
- 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. <u>VOC's only received for COC 6/15/22</u>
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		<u>Per PM - no Diss Cd for sample</u>
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9. <u>-VOC only.</u>
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
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 type="checkbox"/> N/A	11. <u>Unknown, Per PM CO2 was filtered 6/15/22</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>483</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 login  
 Page \_\_\_\_\_ of \_\_\_\_\_

## Dan Milewsky

---

**From:** Wright, Clifford C. <cwright@GFNET.com>  
**Sent:** Thursday, June 16, 2022 8:54 AM  
**To:** Dan Milewsky  
**Cc:** Payne, Chelsea J.  
**Subject:** RE: NPI MW-76A 40246589\_coc  
**Attachments:** 40246589\_coc-rev.pdf

CAUTION: This email originated from outside Pace Analytical. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dan- Thanks for the email. Because the COC included the typo as you described, I've attached a marked-up pdf (see red text and yellow strikeout). Feel free to call me at 608/695-3651 in case I'm away from my workstation to discuss.

Cliff Wright  
Gannett Fleming  
O 608.327.5047 | C 608.695.3651

-----Original Message-----

From: Dan Milewsky <Dan.Milewsky@pacelabs.com>  
Sent: Wednesday, June 15, 2022 4:44 PM  
To: Wright, Clifford C. <cwright@GFNET.com>  
Cc: Payne, Chelsea J. <cpayne@GFNET.com>  
Subject: NPI MW-76A 40246589\_coc

[EXTERNAL EMAIL]: This email originated from outside the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Cliff/Chelsea,

MW-76A is marked for cadmium, but we only received six HCl vials. It has been logged for 8260 VOC +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

402465801

**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 County/City: Eau Claire Time Zone Collected: [ ]PT [x]CT [ ]ET

Phone: 608/695-3651 Email: cwright@gfnet.com	Site/Facility ID #: 609038320	Compliance Monitoring? <input checked="" type="checkbox"/> Yes [ ] No
Collected By (print): Chelsea Payne	Purchase Order #: Quote #: Pace 2022	DW PWS ID #: DW Location Code:
Collected By (signature): <i>[Signature]</i>	Turnaround Date Required: Standard	Immediately Packed on Ice: <input checked="" type="checkbox"/> 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-4B	GW	Grab	6/13/22	13:47					G	3	
MW-10A				12:55					P	1	
MW-34A				13:15					G	3	
MW-68A				13:28						3	
MW-68B				13:36						3	
MW-70A				13:05						3	
MW-76A				14:25						6	
MW-77A				14:05						3	
MW-77B				14:08						3	
MW-77B dup				14:08						3	

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: Y N NA</p> <p>VOA - Headspace Acceptable: Y N NA</p> <p>USDA Regulated: 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>										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 1 Temp Upon Receipt: ___oC Cooler 1 Therm Corr. Factor: ___oC Cooler 1 Corrected Temp: ___oC Comments:
---

Relinquished by/Company: (Signature) <i>[Signature]</i> Gannett Fleming	Date/Time: 6/14/22 15:36	Received by/Company: (Signature) <i>[Signature]</i> Pace	Date/Time: 6/15/22 0940
Relinquished by/Company: (Signature) <i>[Signature]</i> Fed Ex	Date/Time:	Received by/Company: (Signature)	Date/Time:
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: 1 of 5	Page 69 of 69

June 24, 2022

**Project #34283.000 NPI**  
**Q2 GW (2 of 3)**  
**Reviewed by CCW**  
**6/28/2022**

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

RE: Project: 34283.000 NPI  
Pace Project No.: 40246680

Dear Clifford Wright:

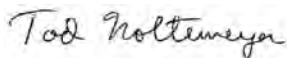
Enclosed are the analytical results for sample(s) received by the laboratory on June 16, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise 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,



Tod Noltemeyer for  
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.: 40246680

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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

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: 34283.000 NPI

Pace Project No.: 40246680

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40246680001	MW-51B	Water	06/15/22 08:05	06/16/22 12:15
40246680002	MW-52A	Water	06/15/22 08:20	06/16/22 12:15
40246680003	MW-52A DUP	Water	06/15/22 08:20	06/16/22 12:15
40246680004	MW-52B	Water	06/15/22 08:15	06/16/22 12:15
40246680005	MW-53B	Water	06/15/22 08:30	06/16/22 12:15
40246680006	MW-54B	Water	06/15/22 08:50	06/16/22 12:15
40246680007	MW-54C	Water	06/15/22 08:45	06/16/22 12:15
40246680008	MW-55B	Water	06/15/22 09:45	06/16/22 12:15
40246680009	TRIP BLANK	Water	06/15/22 00:00	06/16/22 12:15

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: 34283.000 NPI  
Pace Project No.: 40246680

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40246680001	MW-51B	EPA 8260	EIB	8	PASI-G
40246680002	MW-52A	EPA 8260	EIB	8	PASI-G
40246680003	MW-52A DUP	EPA 8260	EIB	8	PASI-G
40246680004	MW-52B	EPA 8260	EIB	8	PASI-G
40246680005	MW-53B	EPA 8260	EIB	8	PASI-G
40246680006	MW-54B	EPA 8260	EIB	8	PASI-G
40246680007	MW-54C	EPA 8260	EIB	8	PASI-G
40246680008	MW-55B	EPA 8260	LAP	8	PASI-G
40246680009	TRIP BLANK	EPA 8260	LAP	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.: 40246680

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>40246680001</b>	<b>MW-51B</b>					
EPA 8260	1,1,1-Trichloroethane	0.37J	ug/L	1.0	06/20/22 18:44	
EPA 8260	Trichloroethene	3.6	ug/L	1.0	06/20/22 18:44	
<b>40246680002</b>	<b>MW-52A</b>					
EPA 8260	1,1,1-Trichloroethane	0.38J	ug/L	1.0	06/20/22 19:04	
EPA 8260	Trichloroethene	3.1	ug/L	1.0	06/20/22 19:04	
<b>40246680003</b>	<b>MW-52A DUP</b>					
EPA 8260	1,1,1-Trichloroethane	0.35J	ug/L	1.0	06/20/22 19:24	
EPA 8260	Trichloroethene	3.2	ug/L	1.0	06/20/22 19:24	
<b>40246680004</b>	<b>MW-52B</b>					
EPA 8260	Trichloroethene	3.3	ug/L	1.0	06/20/22 19:43	
<b>40246680005</b>	<b>MW-53B</b>					
EPA 8260	1,1,1-Trichloroethane	0.33J	ug/L	1.0	06/20/22 20:03	
EPA 8260	Trichloroethene	2.7	ug/L	1.0	06/20/22 20:03	
<b>40246680006</b>	<b>MW-54B</b>					
EPA 8260	Trichloroethene	2.7	ug/L	1.0	06/23/22 14:30	
<b>40246680007</b>	<b>MW-54C</b>					
EPA 8260	Trichloroethene	3.0	ug/L	1.0	06/23/22 14:51	
<b>40246680008</b>	<b>MW-55B</b>					
EPA 8260	Trichloroethene	1.6	ug/L	1.0	06/21/22 13:18	

### REPORT OF LABORATORY ANALYSIS

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## PROJECT NARRATIVE

Project: 34283.000 NPI  
Pace Project No.: 40246680

---

**Method:** EPA 8260  
**Description:** 8260 MSV  
**Client:** Gannett Fleming Inc.  
**Date:** June 24, 2022

**General Information:**

9 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.: 40246680

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**Sample: MW-51B**      **Lab ID: 40246680001**      Collected: 06/15/22 08:05      Received: 06/16/22 12:15      Matrix: Water

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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>0.37J</b>	ug/L	1.0	0.30	1		06/20/22 18:44	71-55-6	
1,1-Dichloroethane	<b>&lt;0.30</b>	ug/L	1.0	0.30	1		06/20/22 18:44	75-34-3	
1,1-Dichloroethene	<b>&lt;0.58</b>	ug/L	1.0	0.58	1		06/20/22 18:44	75-35-4	
Tetrachloroethene	<b>&lt;0.41</b>	ug/L	1.0	0.41	1		06/20/22 18:44	127-18-4	
Trichloroethene	<b>3.6</b>	ug/L	1.0	0.32	1		06/20/22 18:44	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	106	%	70-130		1		06/20/22 18:44	460-00-4	
1,2-Dichlorobenzene-d4 (S)	112	%	70-130		1		06/20/22 18:44	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		06/20/22 18:44	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40246680

**Sample: MW-52A**      **Lab ID: 40246680002**      Collected: 06/15/22 08:20      Received: 06/16/22 12:15      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		06/20/22 19:04	71-55-6	
1,1-Dichloroethane	<b>&lt;0.30</b>	ug/L	1.0	0.30	1		06/20/22 19:04	75-34-3	
1,1-Dichloroethene	<b>&lt;0.58</b>	ug/L	1.0	0.58	1		06/20/22 19:04	75-35-4	
Tetrachloroethene	<b>&lt;0.41</b>	ug/L	1.0	0.41	1		06/20/22 19:04	127-18-4	
Trichloroethene	<b>3.1</b>	ug/L	1.0	0.32	1		06/20/22 19:04	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	104	%	70-130		1		06/20/22 19:04	460-00-4	
1,2-Dichlorobenzene-d4 (S)	110	%	70-130		1		06/20/22 19:04	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		06/20/22 19:04	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40246680

**Sample: MW-52A DUP**      **Lab ID: 40246680003**      Collected: 06/15/22 08:20      Received: 06/16/22 12:15      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>0.35J</b>	ug/L	1.0	0.30	1		06/20/22 19:24	71-55-6	
1,1-Dichloroethane	<b>&lt;0.30</b>	ug/L	1.0	0.30	1		06/20/22 19:24	75-34-3	
1,1-Dichloroethene	<b>&lt;0.58</b>	ug/L	1.0	0.58	1		06/20/22 19:24	75-35-4	
Tetrachloroethene	<b>&lt;0.41</b>	ug/L	1.0	0.41	1		06/20/22 19:24	127-18-4	
Trichloroethene	<b>3.2</b>	ug/L	1.0	0.32	1		06/20/22 19:24	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	105	%	70-130		1		06/20/22 19:24	460-00-4	
1,2-Dichlorobenzene-d4 (S)	114	%	70-130		1		06/20/22 19:24	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		06/20/22 19:24	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40246680

**Sample: MW-52B**      **Lab ID: 40246680004**      Collected: 06/15/22 08:15      Received: 06/16/22 12:15      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		06/20/22 19:43	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/20/22 19:43	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/20/22 19:43	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/20/22 19:43	127-18-4	
Trichloroethene	3.3	ug/L	1.0	0.32	1		06/20/22 19:43	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	106	%	70-130		1		06/20/22 19:43	460-00-4	
1,2-Dichlorobenzene-d4 (S)	113	%	70-130		1		06/20/22 19:43	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		06/20/22 19:43	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40246680

**Sample: MW-53B**      **Lab ID: 40246680005**      Collected: 06/15/22 08:30      Received: 06/16/22 12:15      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>0.33J</b>	ug/L	1.0	0.30	1		06/20/22 20:03	71-55-6	
1,1-Dichloroethane	<b>&lt;0.30</b>	ug/L	1.0	0.30	1		06/20/22 20:03	75-34-3	
1,1-Dichloroethene	<b>&lt;0.58</b>	ug/L	1.0	0.58	1		06/20/22 20:03	75-35-4	
Tetrachloroethene	<b>&lt;0.41</b>	ug/L	1.0	0.41	1		06/20/22 20:03	127-18-4	
Trichloroethene	<b>2.7</b>	ug/L	1.0	0.32	1		06/20/22 20:03	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	103	%	70-130		1		06/20/22 20:03	460-00-4	
1,2-Dichlorobenzene-d4 (S)	109	%	70-130		1		06/20/22 20:03	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		06/20/22 20:03	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40246680

**Sample: MW-54B**      **Lab ID: 40246680006**      Collected: 06/15/22 08:50      Received: 06/16/22 12:15      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		06/23/22 14:30	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/23/22 14:30	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/23/22 14:30	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/23/22 14:30	127-18-4	
Trichloroethene	2.7	ug/L	1.0	0.32	1		06/23/22 14:30	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99	%	70-130		1		06/23/22 14:30	460-00-4	
1,2-Dichlorobenzene-d4 (S)	108	%	70-130		1		06/23/22 14:30	2199-69-1	
Toluene-d8 (S)	96	%	70-130		1		06/23/22 14:30	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI  
Pace Project No.: 40246680

**Sample: MW-54C**      **Lab ID: 40246680007**      Collected: 06/15/22 08:45      Received: 06/16/22 12:15      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		06/23/22 14:51	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/23/22 14:51	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/23/22 14:51	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/23/22 14:51	127-18-4	
Trichloroethene	3.0	ug/L	1.0	0.32	1		06/23/22 14:51	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	102	%	70-130		1		06/23/22 14:51	460-00-4	
1,2-Dichlorobenzene-d4 (S)	111	%	70-130		1		06/23/22 14:51	2199-69-1	
Toluene-d8 (S)	98	%	70-130		1		06/23/22 14:51	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40246680

**Sample: MW-55B**      **Lab ID: 40246680008**      Collected: 06/15/22 09:45      Received: 06/16/22 12:15      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		06/21/22 13:18	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/21/22 13:18	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/21/22 13:18	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/21/22 13:18	127-18-4	
Trichloroethene	1.6	ug/L	1.0	0.32	1		06/21/22 13:18	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	98	%	70-130		1		06/21/22 13:18	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		1		06/21/22 13:18	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		06/21/22 13:18	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40246680

**Sample: TRIP BLANK**      **Lab ID: 40246680009**      Collected: 06/15/22 00:00      Received: 06/16/22 12:15      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		06/21/22 11:02	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/21/22 11:02	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/21/22 11:02	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/21/22 11:02	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		06/21/22 11:02	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99	%	70-130		1		06/21/22 11:02	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		06/21/22 11:02	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		06/21/22 11:02	2037-26-5	

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### QUALITY CONTROL DATA

Project: 34283.000 NPI  
Pace Project No.: 40246680

QC Batch: 418596 Analysis Method: EPA 8260  
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV  
Laboratory: Pace Analytical Services - Green Bay  
Associated Lab Samples: 40246680001, 40246680002, 40246680003, 40246680004, 40246680005

METHOD BLANK: 2410806 Matrix: Water  
Associated Lab Samples: 40246680001, 40246680002, 40246680003, 40246680004, 40246680005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.30	1.0	06/20/22 10:53	
1,1-Dichloroethane	ug/L	<0.30	1.0	06/20/22 10:53	
1,1-Dichloroethene	ug/L	<0.58	1.0	06/20/22 10:53	
Tetrachloroethene	ug/L	<0.41	1.0	06/20/22 10:53	
Trichloroethene	ug/L	<0.32	1.0	06/20/22 10:53	
1,2-Dichlorobenzene-d4 (S)	%	110	70-130	06/20/22 10:53	
4-Bromofluorobenzene (S)	%	104	70-130	06/20/22 10:53	
Toluene-d8 (S)	%	102	70-130	06/20/22 10:53	

LABORATORY CONTROL SAMPLE: 2410807

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	59.5	119	70-134	
1,1-Dichloroethane	ug/L	50	55.0	110	70-130	
1,1-Dichloroethene	ug/L	50	61.9	124	74-131	
Tetrachloroethene	ug/L	50	54.0	108	70-130	
Trichloroethene	ug/L	50	53.4	107	70-130	
1,2-Dichlorobenzene-d4 (S)	%			101	70-130	
4-Bromofluorobenzene (S)	%			113	70-130	
Toluene-d8 (S)	%			104	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2411899 2411900

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40246647002 Result	Spike Conc.	Spike Conc.	MS Result						
1,1,1-Trichloroethane	ug/L	<0.30	50	50	59.5	58.9	119	118	70-134	1	20
1,1-Dichloroethane	ug/L	<0.30	50	50	54.7	53.7	109	107	70-130	2	20
1,1-Dichloroethene	ug/L	<0.58	50	50	55.7	55.8	111	112	71-130	0	20
Tetrachloroethene	ug/L	<0.41	50	50	53.5	52.2	107	104	70-130	3	20
Trichloroethene	ug/L	<0.32	50	50	53.8	53.5	108	107	70-130	1	20
1,2-Dichlorobenzene-d4 (S)	%						101	106	70-130		
4-Bromofluorobenzene (S)	%						112	116	70-130		
Toluene-d8 (S)	%						102	104	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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### QUALITY CONTROL DATA

Project: 34283.000 NPI  
Pace Project No.: 40246680

QC Batch: 418738      Analysis Method: EPA 8260  
QC Batch Method: EPA 8260      Analysis Description: 8260 MSV  
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40246680008, 40246680009

METHOD BLANK: 2411724      Matrix: Water

Associated Lab Samples: 40246680008, 40246680009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.30	1.0	06/21/22 07:58	
1,1-Dichloroethane	ug/L	<0.30	1.0	06/21/22 07:58	
1,1-Dichloroethene	ug/L	<0.58	1.0	06/21/22 07:58	
Tetrachloroethene	ug/L	<0.41	1.0	06/21/22 07:58	
Trichloroethene	ug/L	<0.32	1.0	06/21/22 07:58	
1,2-Dichlorobenzene-d4 (S)	%	96	70-130	06/21/22 07:58	
4-Bromofluorobenzene (S)	%	99	70-130	06/21/22 07:58	
Toluene-d8 (S)	%	101	70-130	06/21/22 07:58	

LABORATORY CONTROL SAMPLE: 2411725

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	57.9	116	70-134	
1,1-Dichloroethane	ug/L	50	48.9	98	70-130	
1,1-Dichloroethene	ug/L	50	50.9	102	74-131	
Tetrachloroethene	ug/L	50	55.0	110	70-130	
Trichloroethene	ug/L	50	52.6	105	70-130	
1,2-Dichlorobenzene-d4 (S)	%			98	70-130	
4-Bromofluorobenzene (S)	%			97	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2412553      2412554

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40246723002 Result	Spike Conc.	Spike Conc.	Conc.							
1,1,1-Trichloroethane	ug/L	<0.30	50	50	55.9	57.7	112	115	70-134	3	20	
1,1-Dichloroethane	ug/L	<0.30	50	50	47.5	49.6	95	99	70-130	4	20	
1,1-Dichloroethene	ug/L	<0.58	50	50	49.0	50.9	98	102	71-130	4	20	
Tetrachloroethene	ug/L	<0.41	50	50	52.6	54.8	105	110	70-130	4	20	
Trichloroethene	ug/L	<0.32	50	50	50.2	52.8	100	106	70-130	5	20	
1,2-Dichlorobenzene-d4 (S)	%						99	100	70-130			
4-Bromofluorobenzene (S)	%						99	98	70-130			
Toluene-d8 (S)	%						99	101	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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### QUALITY CONTROL DATA

Project: 34283.000 NPI  
Pace Project No.: 40246680

QC Batch: 418962      Analysis Method: EPA 8260  
QC Batch Method: EPA 8260      Analysis Description: 8260 MSV  
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40246680006, 40246680007

METHOD BLANK: 2412524      Matrix: Water

Associated Lab Samples: 40246680006, 40246680007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.30	1.0	06/23/22 09:03	
1,1-Dichloroethane	ug/L	<0.30	1.0	06/23/22 09:03	
1,1-Dichloroethene	ug/L	<0.58	1.0	06/23/22 09:03	
Tetrachloroethene	ug/L	<0.41	1.0	06/23/22 09:03	
Trichloroethene	ug/L	<0.32	1.0	06/23/22 09:03	
1,2-Dichlorobenzene-d4 (S)	%	106	70-130	06/23/22 09:03	
4-Bromofluorobenzene (S)	%	99	70-130	06/23/22 09:03	
Toluene-d8 (S)	%	97	70-130	06/23/22 09:03	

LABORATORY CONTROL SAMPLE: 2412525

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	56.1	112	70-134	
1,1-Dichloroethane	ug/L	50	55.0	110	70-130	
1,1-Dichloroethene	ug/L	50	60.4	121	74-131	
Tetrachloroethene	ug/L	50	53.0	106	70-130	
Trichloroethene	ug/L	50	53.2	106	70-130	
1,2-Dichlorobenzene-d4 (S)	%			102	70-130	
4-Bromofluorobenzene (S)	%			107	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2413933      2413934

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40246850004 Result	Spike Conc.	Spike Conc.	Conc.							
1,1,1-Trichloroethane	ug/L	<0.30	50	50	55.5	55.6	111	111	70-134	0	20	
1,1-Dichloroethane	ug/L	<0.30	50	50	55.6	55.8	111	112	70-130	0	20	
1,1-Dichloroethene	ug/L	<0.58	50	50	60.3	62.6	121	125	71-130	4	20	
Tetrachloroethene	ug/L	<0.41	50	50	54.3	54.3	109	109	70-130	0	20	
Trichloroethene	ug/L	<0.32	50	50	53.5	53.5	107	107	70-130	0	20	
1,2-Dichlorobenzene-d4 (S)	%						106	103	70-130			
4-Bromofluorobenzene (S)	%						105	104	70-130			
Toluene-d8 (S)	%						99	99	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.: 40246680

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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.

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 34283.000 NPI

Pace Project No.: 40246680

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40246680001	MW-51B	EPA 8260	418596		
40246680002	MW-52A	EPA 8260	418596		
40246680003	MW-52A DUP	EPA 8260	418596		
40246680004	MW-52B	EPA 8260	418596		
40246680005	MW-53B	EPA 8260	418596		
40246680006	MW-54B	EPA 8260	418962		
40246680007	MW-54C	EPA 8260	418962		
40246680008	MW-55B	EPA 8260	418738		
40246680009	TRIP BLANK	EPA 8260	418738		

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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

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
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 Time Zone Collected: [ ]PT [x]CT [ ]ET

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

Table with columns: Customer Sample ID, Matrix, Comp / Grab, Collected (or Composite Start) Date, Time, Composite End Date, Time, Res Cl, # of Ctns. Includes rows for MW-51B through Trip Blank.

Analyses

Table for analyses results including NPI Short-list VOCs and Dissolved cadmium (Cd). Columns include analysis name and results (Y/N/NA).

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 in 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 NA
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. Factory: °C
Cooler 1 Corrected Temp: °C
Comments:

Relinquished by/Company: (Signature) Date/Time: Received by/Company: (Signature) Date/Time:
Relinquished by/Company: (Signature) Date/Time: Received by/Company: (Signature) Date/Time:
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: of 23

Client Name: Gannett Fleming Sample Preservation Receipt Form Project # U0011080

All containers needing preservation have been checked and noted below:  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	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU								SP5T	ZPLC	GN		
001																																			2.5/5/10
002																																			2.5/5/10
003																																			2.5/5/10
004																																			2.5/5/10
005																																			2.5/5/10
006																																			2.5/5/10
007																																			2.5/5/10
008																																			2.5/5/10
009																																			2.5/5/10
010																																			2.5/5/10
011																																			2.5/5/10
012																																			2.5/5/10
013																																			2.5/5/10
014																																			2.5/5/10
015																																			2.5/5/10
016																																			2.5/5/10
017																																			2.5/5/10
018																																			2.5/5/10
019																																			2.5/5/10
020																																			2.5/5/10

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	VG9A	40 mL clear ascorbic	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
AG4U	120 mL amber glass unpres	BP3S	250 mL plastic H2SO4	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG5U	100 mL amber glass unpres			VG9D	40 mL clear vial DI	ZPLC	ziploc bag
AG2S	500 mL amber glass H2SO4					GN	
BG3U	250 mL clear glass unpres						

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

Client Name: Gannett + Fleming

Project #: **WO#: 40246680**

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



Tracking #: 8449 8044 9320 5460

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 - 116 Type of Ice:  Wet  Blue  Dry  None

Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 1 /ICorr: 1.1

Temp Blank Present:  yes  no

Biological Tissue is Frozen:  yes  no

Person examining contents:

Date: 6/16/22 Initials: MP

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

Labeled By Initials: TP

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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>Pg#, filter 6/16/22 MP</u>
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.
- 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.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
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>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>483</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 login



June 29, 2022

**Project #34283.000 NPI**  
**Q2 GW (3 of 3)**  
**Reviewed by CCW**  
**7/1/2022**

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

RE: Project: 34283.000 NPI  
Pace Project No.: 40246593

Dear Clifford Wright:

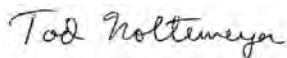
Enclosed are the analytical results for sample(s) received by the laboratory on June 15, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise 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,



Tod Noltemeyer for  
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.: 40246593

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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

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.: 40246593

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Lab ID	Sample ID	Matrix	Date Collected	Date Received
40246593001	FINISHED WATER	Water	06/14/22 11:40	06/15/22 09:40
40246593002	TRIP BLANK	Water	06/14/22 00:00	06/15/22 09:40

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: 34283.000 NPI

Pace Project No.: 40246593

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40246593001	FINISHED WATER	EPA 524.2	JLR	8	PASI-O
40246593002	TRIP BLANK	EPA 524.2	JLR	8	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

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### SUMMARY OF DETECTION

Project: 34283.000 NPI

Pace Project No.: 40246593

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>40246593001</b>	<b>FINISHED WATER</b>					
EPA 524.2	Tetrachloroethene	6.0	ug/L	0.50	06/23/22 07:35	

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## PROJECT NARRATIVE

Project: 34283.000 NPI

Pace Project No.: 40246593

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**Method:** EPA 524.2

**Description:** 524.2 MSV

**Client:** Gannett Fleming Inc.

**Date:** June 29, 2022

**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.: 40246593

**Sample: FINISHED WATER**      **Lab ID: 40246593001**      Collected: 06/14/22 11:40      Received: 06/15/22 09:40      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		06/23/22 07:35	75-34-3	
1,1-Dichloroethene	<0.29	ug/L	0.50	0.29	1		06/23/22 07:35	75-35-4	
Tetrachloroethene	6.0	ug/L	0.50	0.26	1		06/23/22 07:35	127-18-4	
1,1,1-Trichloroethane	<0.27	ug/L	0.50	0.27	1		06/23/22 07:35	71-55-6	
Trichloroethene	<0.26	ug/L	0.50	0.26	1		06/23/22 07:35	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	93	%	70-130		1		06/23/22 07:35	460-00-4	
Toluene-d8 (S)	99	%	70-130		1		06/23/22 07:35	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	107	%	70-130		1		06/23/22 07:35	2199-69-1	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40246593

**Sample: TRIP BLANK**      **Lab ID: 40246593002**      Collected: 06/14/22 00:00      Received: 06/15/22 09:40      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		06/23/22 07:11	75-34-3	
1,1-Dichloroethene	<0.29	ug/L	0.50	0.29	1		06/23/22 07:11	75-35-4	
Tetrachloroethene	<0.26	ug/L	0.50	0.26	1		06/23/22 07:11	127-18-4	
1,1,1-Trichloroethane	<0.27	ug/L	0.50	0.27	1		06/23/22 07:11	71-55-6	
Trichloroethene	<0.26	ug/L	0.50	0.26	1		06/23/22 07:11	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99	%	70-130		1		06/23/22 07:11	460-00-4	
Toluene-d8 (S)	100	%	70-130		1		06/23/22 07:11	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		06/23/22 07:11	2199-69-1	

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 34283.000 NPI  
Pace Project No.: 40246593

QC Batch: 834196	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: 40246593001, 40246593002

METHOD BLANK: 4585731 Matrix: Water

Associated Lab Samples: 40246593001, 40246593002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.27	0.50	06/23/22 04:46	
1,1-Dichloroethane	ug/L	<0.27	1.0	06/23/22 04:46	
1,1-Dichloroethene	ug/L	<0.29	0.50	06/23/22 04:46	
Tetrachloroethene	ug/L	<0.26	0.50	06/23/22 04:46	
Trichloroethene	ug/L	<0.26	0.50	06/23/22 04:46	
1,2-Dichlorobenzene-d4 (S)	%	106	70-130	06/23/22 04:46	
4-Bromofluorobenzene (S)	%	99	70-130	06/23/22 04:46	
Toluene-d8 (S)	%	101	70-130	06/23/22 04:46	

LABORATORY CONTROL SAMPLE & LCSD: 4585732 4585733

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	40	35.7	33.7	89	84	70-130	6	20	
1,1-Dichloroethane	ug/L	40	34.4	29.4	86	74	70-130	16	20	
1,1-Dichloroethene	ug/L	40	32.5	30.7	81	77	70-130	6	20	
Tetrachloroethene	ug/L	40	39.7	37.6	99	94	70-130	5	20	
Trichloroethene	ug/L	40	35.8	35.0	89	88	70-130	2	20	
1,2-Dichlorobenzene-d4 (S)	%				98	99	70-130			
4-Bromofluorobenzene (S)	%				106	99	70-130			
Toluene-d8 (S)	%				101	96	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.: 40246593

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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.

## REPORT OF LABORATORY ANALYSIS

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**QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: 34283.000 NPI  
Pace Project No.: 40246593

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40246593001	FINISHED WATER	EPA 524.2	834196		
40246593002	TRIP BLANK	EPA 524.2	834196		

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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

*40246593*

**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)  
 Report To: Cliff Wright | Email To: dpaul@gopresto.com  
 3925 N Hastings Way, Eau Claire, WI 54703  
 Copy To: | Site Collection Info/Address: Same as Billing Info address above

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

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

Analyses	Lab Profile/Line:
Container Type: Plastic (P) or Glass (G) <b>NPI Short-list VOCs: 524.2</b>	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:	

\* 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		
Finished water	DW	Grab	6/14/22	11:40				G
Trip Blank 1	"	"	6/14/22					G

LAB USE ONLY: Lab Sample # / Comments:
<i>001</i> <i>002</i>

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) *Chelsea Payne Gannett Fleming* | Date/Time: 6/14/22 15:30 | Received by/Company: (Signature) \_\_\_\_\_ | Date/Time: \_\_\_\_\_  
 Relinquished by/Company: (Signature) *Fed Ex* | Date/Time: 6/15/22 0940 | Received by/Company: (Signature) *Susan Miller Pace* | Date/Time: 6/15/22 0940  
 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: 1 of 14

Client Name: Gannett Fleming Sample Preservation Receipt Form Project # W0416505

All containers needing preservation have been checked and noted below:  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	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU								WPFU	SP5T	ZPLC	GN					
001																																						2.5 / 5 / 10
002																																						2.5 / 5 / 10
003																																						2.5 / 5 / 10
004																																						2.5 / 5 / 10
005																																						2.5 / 5 / 10
006																																						2.5 / 5 / 10
007																																						2.5 / 5 / 10
008																																						2.5 / 5 / 10
009																																						2.5 / 5 / 10
010																																						2.5 / 5 / 10
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014																																						2.5 / 5 / 10
015																																						2.5 / 5 / 10
016																																						2.5 / 5 / 10
017																																						2.5 / 5 / 10
018																																						2.5 / 5 / 10
019																																						2.5 / 5 / 10
020																																						2.5 / 5 / 10

Exceptions to preservation check: (VO) 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	VG9A	40 mL clear ascorbic	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
AG4U	120 mL amber glass unpres	BP3S	250 mL plastic H2SO4	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG5U	100 mL amber glass unpres			VG9D	40 mL clear vial DI	ZPLC	ziploc bag
AG2S	500 mL amber glass H2SO4					GN	
BG3U	250 mL clear glass unpres						

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

Client Name: Gannett Fleming

Project #:

**WO#: 40246593**



40246593

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

Tracking #: 8112 6146 546

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 - 105 Type of Ice: Wet Blue Dry None  Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 0.0 /Corr: 0.0

Temp Blank Present:  yes  no

Biological Tissue is Frozen:  yes  no

Person examining contents:  
 Date: 6/15/00 /Initials: SKW  
 Labeled By Initials: AKJ

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.
- 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.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
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>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>483</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 login

September 09, 2022

**Project #34283.000 NPI**  
**Q3 Groundwater**  
**Reviewed by CCW**  
**9/13/2022**

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

RE: Project: 34283.000 NPI  
Pace Project No.: 40250689

Dear Clifford Wright:

Enclosed are the analytical results for sample(s) received by the laboratory on August 31, 2022. 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.: 40250689

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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

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

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## REPORT OF LABORATORY ANALYSIS

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### SAMPLE SUMMARY

Project: 34283.000 NPI

Pace Project No.: 40250689

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40250689001	EW-6	Water	08/30/22 12:35	08/31/22 09:30
40250689002	EW-6 DUP	Water	08/30/22 12:40	08/31/22 09:30
40250689003	MH-18	Water	08/30/22 12:00	08/31/22 09:30
40250689004	MW-10A	Water	08/30/22 10:50	08/31/22 09:30
40250689005	MW-10B	Water	08/30/22 10:55	08/31/22 09:30
40250689006	MW-34A	Water	08/30/22 11:30	08/31/22 09:30
40250689007	MW-34B	Water	08/30/22 11:35	08/31/22 09:30
40250689008	MW-68B	Water	08/30/22 12:10	08/31/22 09:30
40250689009	MW-70A	Water	08/30/22 11:10	08/31/22 09:30
40250689010	MW-70B	Water	08/30/22 11:20	08/31/22 09:30
40250689011	MW-75	Water	08/30/22 11:45	08/31/22 09:30
40250689012	MW-76A	Water	08/30/22 12:25	08/31/22 09:30
40250689013	EC-1	Water	08/30/22 13:55	08/31/22 09:30
40250689014	EC-6	Water	08/30/22 13:45	08/31/22 09:30
40250689015	TRIP BLANK	Water	08/30/22 00:00	08/31/22 09:30

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### SAMPLE ANALYTE COUNT

Project: 34283.000 NPI

Pace Project No.: 40250689

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40250689001	EW-6	EPA 8260	EIB	8	PASI-G
40250689002	EW-6 DUP	EPA 8260	EIB	8	PASI-G
40250689003	MH-18	EPA 6010D	SIS	1	PASI-G
		EPA 8260	EIB	8	PASI-G
40250689004	MW-10A	EPA 6010D	SIS	1	PASI-G
40250689005	MW-10B	EPA 6010D	SIS	1	PASI-G
40250689006	MW-34A	EPA 6010D	SIS	1	PASI-G
40250689007	MW-34B	EPA 6010D	SIS	1	PASI-G
40250689008	MW-68B	EPA 6010D	SIS	1	PASI-G
40250689009	MW-70A	EPA 8260	EIB	8	PASI-G
40250689010	MW-70B	EPA 6010D	SIS	1	PASI-G
40250689011	MW-75	EPA 6010D	SIS	1	PASI-G
40250689012	MW-76A	EPA 8260	EIB	8	PASI-G
40250689013	EC-1	EPA 8260	LAP	8	PASI-G
40250689014	EC-6	EPA 8260	LAP	8	PASI-G
40250689015	TRIP BLANK	EPA 8260	LAP	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.: 40250689

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>40250689001</b>	<b>EW-6</b>					
EPA 8260	1,1,1-Trichloroethane	0.57J	ug/L	1.0	09/01/22 13:47	
EPA 8260	Trichloroethene	0.97J	ug/L	1.0	09/01/22 13:47	
<b>40250689002</b>	<b>EW-6 DUP</b>					
EPA 8260	1,1,1-Trichloroethane	0.63J	ug/L	1.0	09/01/22 14:07	
EPA 8260	Trichloroethene	1.0	ug/L	1.0	09/01/22 14:07	
<b>40250689003</b>	<b>MH-18</b>					
EPA 8260	1,1,1-Trichloroethane	0.37J	ug/L	1.0	09/01/22 14:49	
EPA 8260	Trichloroethene	0.68J	ug/L	1.0	09/01/22 14:49	
<b>40250689004</b>	<b>MW-10A</b>					
EPA 6010D	Cadmium, Dissolved	14.4	ug/L	5.0	09/02/22 17:36	
<b>40250689005</b>	<b>MW-10B</b>					
EPA 6010D	Cadmium, Dissolved	3.9J	ug/L	5.0	09/02/22 17:38	
<b>40250689006</b>	<b>MW-34A</b>					
EPA 6010D	Cadmium, Dissolved	5.2	ug/L	5.0	09/02/22 17:41	
<b>40250689007</b>	<b>MW-34B</b>					
EPA 6010D	Cadmium, Dissolved	1.6J	ug/L	5.0	09/02/22 17:48	
<b>40250689008</b>	<b>MW-68B</b>					
EPA 6010D	Cadmium, Dissolved	2.5J	ug/L	5.0	09/02/22 17:51	
<b>40250689010</b>	<b>MW-70B</b>					
EPA 6010D	Cadmium, Dissolved	5.8	ug/L	5.0	09/02/22 17:53	
<b>40250689011</b>	<b>MW-75</b>					
EPA 6010D	Cadmium, Dissolved	2.0J	ug/L	5.0	09/02/22 17:56	
<b>40250689012</b>	<b>MW-76A</b>					
EPA 8260	1,1,1-Trichloroethane	13.4	ug/L	1.0	09/01/22 15:30	
EPA 8260	Trichloroethene	0.71J	ug/L	1.0	09/01/22 15:30	
<b>40250689013</b>	<b>EC-1</b>					
EPA 8260	Trichloroethene	0.84J	ug/L	1.0	09/01/22 13:05	

### REPORT OF LABORATORY ANALYSIS

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## PROJECT NARRATIVE

Project: 34283.000 NPI

Pace Project No.: 40250689

---

**Method:** EPA 6010D

**Description:** 6010D MET ICP

**Client:** Gannett Fleming Inc.

**Date:** September 09, 2022

**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:**

## REPORT OF LABORATORY ANALYSIS

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## PROJECT NARRATIVE

Project: 34283.000 NPI

Pace Project No.: 40250689

---

**Method:** EPA 6010D

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

**Client:** Gannett Fleming Inc.

**Date:** September 09, 2022

**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.: 40250689

---

**Method:** EPA 8260

**Description:** 8260 MSV

**Client:** Gannett Fleming Inc.

**Date:** September 09, 2022

**General Information:**

8 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.: 40250689

**Sample: EW-6**      **Lab ID: 40250689001**      Collected: 08/30/22 12:35      Received: 08/31/22 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>0.57J</b>	ug/L	1.0	0.30	1		09/01/22 13:47	71-55-6	
1,1-Dichloroethane	<b>&lt;0.30</b>	ug/L	1.0	0.30	1		09/01/22 13:47	75-34-3	
1,1-Dichloroethene	<b>&lt;0.58</b>	ug/L	1.0	0.58	1		09/01/22 13:47	75-35-4	
Tetrachloroethene	<b>&lt;0.41</b>	ug/L	1.0	0.41	1		09/01/22 13:47	127-18-4	
Trichloroethene	<b>0.97J</b>	ug/L	1.0	0.32	1		09/01/22 13:47	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	108	%	70-130		1		09/01/22 13:47	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		09/01/22 13:47	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		09/01/22 13:47	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40250689

**Sample: EW-6 DUP**      **Lab ID: 40250689002**      Collected: 08/30/22 12:40      Received: 08/31/22 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>0.63J</b>	ug/L	1.0	0.30	1		09/01/22 14:07	71-55-6	
1,1-Dichloroethane	<b>&lt;0.30</b>	ug/L	1.0	0.30	1		09/01/22 14:07	75-34-3	
1,1-Dichloroethene	<b>&lt;0.58</b>	ug/L	1.0	0.58	1		09/01/22 14:07	75-35-4	
Tetrachloroethene	<b>&lt;0.41</b>	ug/L	1.0	0.41	1		09/01/22 14:07	127-18-4	
Trichloroethene	<b>1.0</b>	ug/L	1.0	0.32	1		09/01/22 14:07	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	111	%	70-130		1		09/01/22 14:07	460-00-4	
1,2-Dichlorobenzene-d4 (S)	107	%	70-130		1		09/01/22 14:07	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		09/01/22 14:07	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40250689

**Sample: MH-18**      **Lab ID: 40250689003**      Collected: 08/30/22 12:00      Received: 08/31/22 09:30      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	09/06/22 06:42	09/07/22 13:34	7440-43-9	
<b>8260 MSV</b>									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<b>0.37J</b>	ug/L	1.0	0.30	1		09/01/22 14:49	71-55-6	
1,1-Dichloroethane	<b>&lt;0.30</b>	ug/L	1.0	0.30	1		09/01/22 14:49	75-34-3	
1,1-Dichloroethene	<b>&lt;0.58</b>	ug/L	1.0	0.58	1		09/01/22 14:49	75-35-4	
Tetrachloroethene	<b>&lt;0.41</b>	ug/L	1.0	0.41	1		09/01/22 14:49	127-18-4	
Trichloroethene	<b>0.68J</b>	ug/L	1.0	0.32	1		09/01/22 14:49	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	108	%	70-130		1		09/01/22 14:49	460-00-4	
1,2-Dichlorobenzene-d4 (S)	107	%	70-130		1		09/01/22 14:49	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		09/01/22 14:49	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40250689

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**Sample: MW-10A**      **Lab ID: 40250689004**    Collected: 08/30/22 10:50    Received: 08/31/22 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>14.4</b>	ug/L	5.0	1.3	1		09/02/22 17:36	7440-43-9	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40250689

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**Sample: MW-10B**      **Lab ID: 40250689005**      Collected: 08/30/22 10:55      Received: 08/31/22 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>3.9J</b>	ug/L	5.0	1.3	1		09/02/22 17:38	7440-43-9	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40250689

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**Sample: MW-34A**      **Lab ID: 40250689006**      Collected: 08/30/22 11:30      Received: 08/31/22 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>5.2</b>	ug/L	5.0	1.3	1		09/02/22 17:41	7440-43-9	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40250689

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**Sample: MW-34B**      **Lab ID: 40250689007**    Collected: 08/30/22 11:35    Received: 08/31/22 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>1.6J</b>	ug/L	5.0	1.3	1		09/02/22 17:48	7440-43-9	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40250689

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**Sample: MW-68B**      **Lab ID: 40250689008**      Collected: 08/30/22 12:10      Received: 08/31/22 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>2.5J</b>	ug/L	5.0	1.3	1		09/02/22 17:51	7440-43-9	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40250689

**Sample: MW-70A**      **Lab ID: 40250689009**      Collected: 08/30/22 11:10      Received: 08/31/22 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		09/01/22 15:10	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		09/01/22 15:10	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		09/01/22 15:10	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		09/01/22 15:10	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		09/01/22 15:10	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	106	%	70-130		1		09/01/22 15:10	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		09/01/22 15:10	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		09/01/22 15:10	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40250689

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**Sample: MW-70B**      **Lab ID: 40250689010**      Collected: 08/30/22 11:20      Received: 08/31/22 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	5.8	ug/L	5.0	1.3	1		09/02/22 17:53	7440-43-9	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40250689

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**Sample: MW-75**      **Lab ID: 40250689011**      Collected: 08/30/22 11:45      Received: 08/31/22 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>2.0J</b>	ug/L	5.0	1.3	1		09/02/22 17:56	7440-43-9	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40250689

**Sample: MW-76A**      **Lab ID: 40250689012**      Collected: 08/30/22 12:25      Received: 08/31/22 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>13.4</b>	ug/L	1.0	0.30	1		09/01/22 15:30	71-55-6	
1,1-Dichloroethane	<b>&lt;0.30</b>	ug/L	1.0	0.30	1		09/01/22 15:30	75-34-3	
1,1-Dichloroethene	<b>&lt;0.58</b>	ug/L	1.0	0.58	1		09/01/22 15:30	75-35-4	
Tetrachloroethene	<b>&lt;0.41</b>	ug/L	1.0	0.41	1		09/01/22 15:30	127-18-4	
Trichloroethene	<b>0.71J</b>	ug/L	1.0	0.32	1		09/01/22 15:30	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	107	%	70-130		1		09/01/22 15:30	460-00-4	
1,2-Dichlorobenzene-d4 (S)	108	%	70-130		1		09/01/22 15:30	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		09/01/22 15:30	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40250689

**Sample: EC-1**      **Lab ID: 40250689013**      Collected: 08/30/22 13:55      Received: 08/31/22 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		09/01/22 13:05	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		09/01/22 13:05	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		09/01/22 13:05	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		09/01/22 13:05	127-18-4	
Trichloroethene	0.84J	ug/L	1.0	0.32	1		09/01/22 13:05	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	85	%	70-130		1		09/01/22 13:05	460-00-4	
1,2-Dichlorobenzene-d4 (S)	111	%	70-130		1		09/01/22 13:05	2199-69-1	
Toluene-d8 (S)	96	%	70-130		1		09/01/22 13:05	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40250689

**Sample: EC-6**      **Lab ID: 40250689014**      Collected: 08/30/22 13:45      Received: 08/31/22 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		09/01/22 11:28	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		09/01/22 11:28	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		09/01/22 11:28	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		09/01/22 11:28	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		09/01/22 11:28	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	85	%	70-130		1		09/01/22 11:28	460-00-4	
1,2-Dichlorobenzene-d4 (S)	109	%	70-130		1		09/01/22 11:28	2199-69-1	
Toluene-d8 (S)	94	%	70-130		1		09/01/22 11:28	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40250689

**Sample: TRIP BLANK**      **Lab ID: 40250689015**      Collected: 08/30/22 00:00      Received: 08/31/22 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		09/01/22 11:08	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		09/01/22 11:08	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		09/01/22 11:08	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		09/01/22 11:08	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		09/01/22 11:08	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	86	%	70-130		1		09/01/22 11:08	460-00-4	
1,2-Dichlorobenzene-d4 (S)	107	%	70-130		1		09/01/22 11:08	2199-69-1	
Toluene-d8 (S)	96	%	70-130		1		09/01/22 11:08	2037-26-5	

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### QUALITY CONTROL DATA

Project: 34283.000 NPI  
Pace Project No.: 40250689

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QC Batch: 425018	Analysis Method: EPA 6010D
QC Batch Method: EPA 6010D	Analysis Description: ICP Metals, Trace, Dissolved
	Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40250689004, 40250689005, 40250689006, 40250689007, 40250689008, 40250689010, 40250689011

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METHOD BLANK: 2447633 Matrix: Water  
Associated Lab Samples: 40250689004, 40250689005, 40250689006, 40250689007, 40250689008, 40250689010, 40250689011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cadmium, Dissolved	ug/L	<1.3	5.0	09/06/22 11:36	

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LABORATORY CONTROL SAMPLE: 2447634

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cadmium, Dissolved	ug/L	250	258	103	80-120	

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MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2447635 2447636

Parameter	Units	2447635		2447636		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40250308001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							MSD Result
Cadmium, Dissolved	ug/L	<5.0	250	250	264	265	106	106	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.: 40250689

QC Batch: 425124	Analysis Method: EPA 6010D
QC Batch Method: EPA 3010A	Analysis Description: 6010D MET
	Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40250689003

METHOD BLANK: 2448497 Matrix: Water  
Associated Lab Samples: 40250689003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cadmium	ug/L	<1.3	5.0	09/07/22 13:31	

LABORATORY CONTROL SAMPLE: 2448498

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cadmium	ug/L	250	245	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2448499 2448500

Parameter	Units	40250689003		2448500		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result							
Cadmium	ug/L	<1.3	250	250	269	270	107	108	75-125	1	20	

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### QUALITY CONTROL DATA

Project: 34283.000 NPI  
Pace Project No.: 40250689

QC Batch: 424946      Analysis Method: EPA 8260  
QC Batch Method: EPA 8260      Analysis Description: 8260 MSV  
Laboratory: Pace Analytical Services - Green Bay  
Associated Lab Samples: 40250689001, 40250689002, 40250689003, 40250689009, 40250689012

METHOD BLANK: 2447255      Matrix: Water  
Associated Lab Samples: 40250689001, 40250689002, 40250689003, 40250689009, 40250689012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.30	1.0	09/01/22 09:30	
1,1-Dichloroethane	ug/L	<0.30	1.0	09/01/22 09:30	
1,1-Dichloroethene	ug/L	<0.58	1.0	09/01/22 09:30	
Tetrachloroethene	ug/L	<0.41	1.0	09/01/22 09:30	
Trichloroethene	ug/L	<0.32	1.0	09/01/22 09:30	
1,2-Dichlorobenzene-d4 (S)	%	106	70-130	09/01/22 09:30	
4-Bromofluorobenzene (S)	%	110	70-130	09/01/22 09:30	
Toluene-d8 (S)	%	100	70-130	09/01/22 09:30	

LABORATORY CONTROL SAMPLE: 2447256

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	49.7	99	70-134	
1,1-Dichloroethane	ug/L	50	52.1	104	70-130	
1,1-Dichloroethene	ug/L	50	51.9	104	74-131	
Tetrachloroethene	ug/L	50	52.1	104	70-130	
Trichloroethene	ug/L	50	51.3	103	70-130	
1,2-Dichlorobenzene-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			110	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2447257      2447258

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40250689001 Result	Spike Conc.	Spike Conc.	Conc.								
1,1,1-Trichloroethane	ug/L	0.57J	50	50	50.7	50.0	100	99	70-134	1	20		
1,1-Dichloroethane	ug/L	<0.30	50	50	51.1	50.8	102	102	70-130	1	20		
1,1-Dichloroethene	ug/L	<0.58	50	50	50.9	49.2	102	98	71-130	3	20		
Tetrachloroethene	ug/L	<0.41	50	50	51.7	50.1	103	100	70-130	3	20		
Trichloroethene	ug/L	0.97J	50	50	52.5	52.0	103	102	70-130	1	20		
1,2-Dichlorobenzene-d4 (S)	%						104	104	70-130				
4-Bromofluorobenzene (S)	%						116	114	70-130				
Toluene-d8 (S)	%						98	98	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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without the written consent of Pace Analytical Services, LLC.



### QUALITY CONTROL DATA

Project: 34283.000 NPI  
Pace Project No.: 40250689

QC Batch: 424957	Analysis Method: EPA 8260
QC Batch Method: EPA 8260	Analysis Description: 8260 MSV
	Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40250689013, 40250689014, 40250689015

METHOD BLANK: 2447284 Matrix: Water

Associated Lab Samples: 40250689013, 40250689014, 40250689015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.30	1.0	09/01/22 08:09	
1,1-Dichloroethane	ug/L	<0.30	1.0	09/01/22 08:09	
1,1-Dichloroethene	ug/L	<0.58	1.0	09/01/22 08:09	
Tetrachloroethene	ug/L	<0.41	1.0	09/01/22 08:09	
Trichloroethene	ug/L	<0.32	1.0	09/01/22 08:09	
1,2-Dichlorobenzene-d4 (S)	%	113	70-130	09/01/22 08:09	
4-Bromofluorobenzene (S)	%	89	70-130	09/01/22 08:09	
Toluene-d8 (S)	%	96	70-130	09/01/22 08:09	

LABORATORY CONTROL SAMPLE: 2447285

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	48.0	96	70-134	
1,1-Dichloroethane	ug/L	50	51.2	102	70-130	
1,1-Dichloroethene	ug/L	50	60.0	120	74-131	
Tetrachloroethene	ug/L	50	48.1	96	70-130	
Trichloroethene	ug/L	50	49.8	100	70-130	
1,2-Dichlorobenzene-d4 (S)	%			108	70-130	
4-Bromofluorobenzene (S)	%			91	70-130	
Toluene-d8 (S)	%			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.: 40250689

---

### 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.

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 34283.000 NPI

Pace Project No.: 40250689

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40250689003	MH-18	EPA 3010A	425124	EPA 6010D	425216
40250689004	MW-10A	EPA 6010D	425018		
40250689005	MW-10B	EPA 6010D	425018		
40250689006	MW-34A	EPA 6010D	425018		
40250689007	MW-34B	EPA 6010D	425018		
40250689008	MW-68B	EPA 6010D	425018		
40250689010	MW-70B	EPA 6010D	425018		
40250689011	MW-75	EPA 6010D	425018		
40250689001	EW-6	EPA 8260	424946		
40250689002	EW-6 DUP	EPA 8260	424946		
40250689003	MH-18	EPA 8260	424946		
40250689009	MW-70A	EPA 8260	424946		
40250689012	MW-76A	EPA 8260	424946		
40250689013	EC-1	EPA 8260	424957		
40250689014	EC-6	EPA 8260	424957		
40250689015	TRIP BLANK	EPA 8260	424957		

### REPORT OF LABORATORY ANALYSIS

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# CHAIN-OF-CUSTODY Analytical Request Document

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

40250689

ALL SHADED AREAS are for LAB USE ONLY

Company: **Gannett Fleming**

Address: **8040 Excelsior Dr #303**

Report To: **Cliff Wright**

Copy To:

Billing Information:

Email To: **CWright@gsnet.com**

Site Collection Info/Address:

Customer Project Name/Number: **NPI / 34283.000**

State: **WI** County/City: Time Zone Collected: [ ] PT [ ] MT [ ] CT [ ] ET

Phone: Site/Facility ID #: Compliance Monitoring? [ ] Yes [ ] No

Email: Purchase Order #: DW PWS ID #: DW Location Code:

Collected By (print): **Marcus Mussey** Quote #: Turnaround Date Required: Immediately Packed on Ice: [ ] Yes [ ] No

Collected By (signature):

Sample Disposal: Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply)

[ ] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold: Field Filtered (if applicable):  Yes [ ] No Analysis: **Diss. 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	VOC (NPI short list)	Cd	Diss. Cd
			Date	Time	Date	Time					
EW-6A	GW	6	8/30	12:35				6	X		
EW-6 Dup.				12:40				3	X		
MH-18				12:00				4	X	X	
MW-10A				10:50				1		X	
MW-10B				10:55				1		X	
MW-34A				11:30				1		X	
MW-34B				11:35				1		X	
MW-68B				12:10				1		X	
MW-70A				11:10				3	X		
MW-70B				11:20				1		X	

Container Preservative Type \*\*

2 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:

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: **MS/MSD**

Type of Ice Used: Wet Blue Dry None

Packing Material Used: **①**

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: **2829288**

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: **①**

Relinquished by/Company: (Signature) **[Signature]** Date/Time: **8-30/1600**

Relinquished by/Company: (Signature) **FedEx** Date/Time: **8/31/22 0930**

Relinquished by/Company: (Signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_

Received by/Company: (Signature) **FedEx** Date/Time: **8-30/1600**

Received by/Company: (Signature) **Anthony Werdel** Date/Time: **8/31/22 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): YES / NO

Page: **Page 30** of 34

of: **2**



# CHAIN-OF-CUSTODY Analytical Request Document

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

40250689

**ALL SHADED AREAS are for LAB USE ONLY**

Company:

Billing Information:

Address: *See page*

Report To:

Email To:

Copy To:

Site Collection Info/Address:

Customer Project Name/Number:

State: County/City: Time Zone Collected:  
[ ] PT [ ] MT [ ] CT [ ] ET

Phone:

Site/Facility ID #:

Compliance Monitoring?

Email:

[ ] Yes [ ] No

Collected By (print):

Purchase Order #: Quote #:

DW PWS ID #: DW Location Code:

Collected By (signature):

Turnaround Date Required:

Immediately Packed on Ice:

Sample Disposal:

Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply)

Field Filtered (if applicable): [ ] Yes [ ] No 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
			Date	Time	Date	Time		
MW-75	GW	G	8/30	11:45				1
MW-76A				12:25				3
EC-1				13:55				3
EC-6				13:45				3
Trip Blank								2

VOCs (NPI) Piss. Cd

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:

011  
012  
013  
014  
015

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Sample Temperature Info:

Packing Material Used:

Lab Tracking #: 2829289

Temp Blank Received: Y N NA

Radchem sample(s) screened (<500 cpm): Y N NA

Samples received via: FEDEX UPS Client Courier Pace Courier

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: 8-30/1600

Received by/Company: (Signature) FedEx

Date/Time: 8-30/1600

MTJL LAB USE ONLY

Relinquished by/Company: (Signature) Fedex

Date/Time: 8/31/22 0930

Received by/Company: (Signature) Anthony Weidel

Date/Time: 8/31/22 0930

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): YES / NO

Page: 2 of 31

of: 2

# Pace Container Order #986695

*40250689*

## Addresses

### Order By :

Company Gannett Fleming Inc.  
 Contact Payne, Chelsea  
 Email cpayne@gfnet.com  
 Address 8040 Excelsior Drive, Ste 303  
 Address 2 \_\_\_\_\_  
 City Madison  
 State WI Zip 53717  
 Phone NONE

### Ship To :

Company National Presto  
 Contact Brett Seidlitz  
 Email cwright@gfnet.com  
 Address 3925 North Hastings Way  
 Address 2 \_\_\_\_\_  
 City Eau Claire  
 State WI Zip 54703  
 Phone (608) 286-8491

### Return To:

Company Pace Analytical Green Bay  
 Contact Milewsky, Dan  
 Email dan.milewsky@pacelabs.com  
 Address 1241 Bellevue Street  
 Address 2 Suite 9  
 City Green Bay  
 State WI Zip 54302  
 Phone (920)469-2436

## Info

Project Name 34283.00 NPI Due Date 08/25/2022 Profile x Quote \_\_\_\_\_  
 Project Manager Milewsky, Dan Return Date \_\_\_\_\_ Carrier Most Economical Location \_\_\_\_\_

### Trip Blanks

Include Trip Blanks

### Bottle Labels

Blank  
 Pre-Printed No Sample IDs  
 Pre-Printed With Sample IDs

### Bottles

Boxed Cases  
 Individually Wrapped  
 Grouped By Sample ID/Matrix

### Return Shipping Labels

No Shipper  
 With Shipper

### Misc

Sampling Instructions  
 Custody Seal  
 Temp. Blanks  
 Coolers \_\_\_\_\_  
 Syringes \_\_\_\_\_

Extra Bubble Wrap  
 Short Hold/Rush Stickers  
 DI Water   
 USDA Regulated Soils

### COC Options

Number of Blanks   
 Pre-Printed

# of Samples	Matrix	Test	Container	Total	# of	Lot #	Notes
10	WT	VOC WI List	3-40ml clear vial HCl-hydrochloric acid	30	0	B-2-180-01VB	
1	WT	Trip BLANK	2-40mL HCL w/custody seal	2	0	B-1-135-01VB	
8	WT	Metals	250mL plastic w/HNO3	8	0	M-2-144-07BB	Diss Cd

## Hazard Shipping Placard In Place : NA

## LAB USE:

\*Sample receiving hours are typically 8am-5pm, but may differ by location. Please check with your Pace Project Manager.

\*Pace Analytical reserves the right to return hazardous, toxic, or radioactive samples to you.

\*Pace Analytical reserves the right to charge for unused bottles, as well as cost associated with sample storage/disposal.

\*Payment term are net 30 days.

\*Please include the proposal number on the chain of custody to insure proper billing.

Ship Date :   
 Prepared By:   
 Verified By:

### Sample

### CLIENT USE (Optional):

Date Rec'd:   
 Received By:   
 Verified By:

Client Name: Gannett Fleming

Sample Preservation Receipt Form

Project #

40250689

All containers needing preservation have been checked and noted below:

Yes  No  N/A

Lab Lot# of pH paper: 1003111

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

Initial when completed: AW 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																																			2.5 / 5
004																																			2.5 / 5
005																																			2.5 / 5
006																																			2.5 / 5
007																																			2.5 / 5
008																																			2.5 / 5
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018																																			2.5 / 5
019																																			2.5 / 5
020																																			2.5 / 5

3

3

3

2

8/18/22 AW

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: Gannett Fleming

WO#: **40250689**

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



Tracking #: 8174 0287 8800

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-115 Type of Ice: Wet Blue Dry None  Meltwater Only

Cooler Temperature Uncorr: 3 / Corr: 2.6

Temp Blank Present:  yes  no

Biological Tissue is Frozen:  yes  no

Person examining contents:  
 Date: 8/31/22 / Initials: AW  
 Labeled By Initials: mt

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. <u>+CC 8/31/22 AW</u>
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. <u>no year 8/31/22 AW</u>
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</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>486</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



December 15, 2022

**Project #34283.000 NPI**  
**Q4 Groundwater (1 of 2)**  
**Reviewed by CCW**  
**12/17/2022**

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

RE: Project: 34283.000 NPI  
Pace Project No.: 40255567

Dear Clifford Wright:

Enclosed are the analytical results for sample(s) received by the laboratory on December 06, 2022. 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

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## CERTIFICATIONS

Project: 34283.000 NPI

Pace Project No.: 40255567

---

### **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

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## SAMPLE SUMMARY

Project: 34283.000 NPI

Pace Project No.: 40255567

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40255567001	MW-10A	Water	12/05/22 10:20	12/06/22 10:00
40255567002	MW-34A	Water	12/05/22 11:00	12/06/22 10:00
40255567003	MW-70A	Water	12/05/22 10:45	12/06/22 10:00
40255567004	MW-76A	Water	12/05/22 12:40	12/06/22 10:00
40255567005	MW-77A	Water	12/05/22 11:10	12/06/22 10:00
40255567006	MW-77B	Water	12/05/22 11:05	12/06/22 10:00
40255567007	MW-34A DUP	Water	12/05/22 11:00	12/06/22 10:00
40255567008	RW-3B	Water	12/05/22 12:05	12/06/22 10:00
40255567009	RW-3C	Water	12/05/22 11:55	12/06/22 10:00
40255567010	TRIP BLANK	Water	12/05/22 00:00	12/06/22 10:00

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### SAMPLE ANALYTE COUNT

Project: 34283.000 NPI

Pace Project No.: 40255567

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40255567001	MW-10A	EPA 6010D	SIS	1	PASI-G
40255567002	MW-34A	EPA 8260	EIB	8	PASI-G
40255567003	MW-70A	EPA 8260	EIB	8	PASI-G
40255567004	MW-76A	EPA 8260	EIB	8	PASI-G
40255567005	MW-77A	EPA 8260	EIB	8	PASI-G
40255567006	MW-77B	EPA 8260	EIB	8	PASI-G
40255567007	MW-34A DUP	EPA 8260	EIB	8	PASI-G
40255567008	RW-3B	EPA 8260	EIB	8	PASI-G
40255567009	RW-3C	EPA 8260	EIB	8	PASI-G
40255567010	TRIP BLANK	EPA 8260	EIB	8	PASI-G

PASI-G = Pace Analytical Services - Green Bay

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## SUMMARY OF DETECTION

Project: 34283.000 NPI

Pace Project No.: 40255567

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>40255567001</b>	<b>MW-10A</b>					
EPA 6010D	Cadmium, Dissolved	15.8	ug/L	5.0	12/07/22 15:01	
<b>40255567003</b>	<b>MW-70A</b>					
EPA 8260	Trichloroethene	0.50J	ug/L	1.0	12/13/22 20:37	
<b>40255567004</b>	<b>MW-76A</b>					
EPA 8260	1,1,1-Trichloroethane	2.9	ug/L	1.0	12/08/22 15:11	
<b>40255567005</b>	<b>MW-77A</b>					
EPA 8260	Trichloroethene	0.49J	ug/L	1.0	12/13/22 21:16	
<b>40255567006</b>	<b>MW-77B</b>					
EPA 8260	Trichloroethene	1.7	ug/L	1.0	12/08/22 16:28	
<b>40255567008</b>	<b>RW-3B</b>					
EPA 8260	Trichloroethene	2.5	ug/L	1.0	12/08/22 14:51	
<b>40255567009</b>	<b>RW-3C</b>					
EPA 8260	Trichloroethene	2.4	ug/L	1.0	12/08/22 16:48	

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## PROJECT NARRATIVE

Project: 34283.000 NPI

Pace Project No.: 40255567

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**Method:** EPA 6010D

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

**Client:** Gannett Fleming Inc.

**Date:** December 15, 2022

**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:**

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## PROJECT NARRATIVE

Project: 34283.000 NPI

Pace Project No.: 40255567

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**Method:** EPA 8260

**Description:** 8260 MSV

**Client:** Gannett Fleming Inc.

**Date:** December 15, 2022

**General Information:**

9 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.

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40255567

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**Sample: MW-10A**      **Lab ID: 40255567001**      Collected: 12/05/22 10:20      Received: 12/06/22 10:00      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>15.8</b>	ug/L	5.0	1.3	1		12/07/22 15:01	7440-43-9	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40255567

**Sample: MW-34A**      **Lab ID: 40255567002**      Collected: 12/05/22 11:00      Received: 12/06/22 10:00      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		12/13/22 20:56	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		12/13/22 20:56	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		12/13/22 20:56	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		12/13/22 20:56	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		12/13/22 20:56	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	108	%	70-130		1		12/13/22 20:56	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		12/13/22 20:56	2199-69-1	
Toluene-d8 (S)	111	%	70-130		1		12/13/22 20:56	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI  
Pace Project No.: 40255567

**Sample: MW-70A**      **Lab ID: 40255567003**      Collected: 12/05/22 10:45      Received: 12/06/22 10:00      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		12/13/22 20:37	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		12/13/22 20:37	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		12/13/22 20:37	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		12/13/22 20:37	127-18-4	
Trichloroethene	0.50J	ug/L	1.0	0.32	1		12/13/22 20:37	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	107	%	70-130		1		12/13/22 20:37	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		12/13/22 20:37	2199-69-1	
Toluene-d8 (S)	109	%	70-130		1		12/13/22 20:37	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40255567

**Sample: MW-76A**      **Lab ID: 40255567004**      Collected: 12/05/22 12:40      Received: 12/06/22 10:00      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>2.9</b>	ug/L	1.0	0.30	1		12/08/22 15:11	71-55-6	
1,1-Dichloroethane	<b>&lt;0.30</b>	ug/L	1.0	0.30	1		12/08/22 15:11	75-34-3	
1,1-Dichloroethene	<b>&lt;0.58</b>	ug/L	1.0	0.58	1		12/08/22 15:11	75-35-4	
Tetrachloroethene	<b>&lt;0.41</b>	ug/L	1.0	0.41	1		12/08/22 15:11	127-18-4	
Trichloroethene	<b>&lt;0.32</b>	ug/L	1.0	0.32	1		12/08/22 15:11	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	103	%	70-130		1		12/08/22 15:11	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		12/08/22 15:11	2199-69-1	
Toluene-d8 (S)	105	%	70-130		1		12/08/22 15:11	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40255567

**Sample: MW-77A**      **Lab ID: 40255567005**      Collected: 12/05/22 11:10      Received: 12/06/22 10:00      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		12/13/22 21:16	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		12/13/22 21:16	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		12/13/22 21:16	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		12/13/22 21:16	127-18-4	
Trichloroethene	0.49J	ug/L	1.0	0.32	1		12/13/22 21:16	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	109	%	70-130		1		12/13/22 21:16	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		12/13/22 21:16	2199-69-1	
Toluene-d8 (S)	109	%	70-130		1		12/13/22 21:16	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40255567

**Sample: MW-77B**      **Lab ID: 40255567006**      Collected: 12/05/22 11:05      Received: 12/06/22 10:00      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		12/08/22 16:28	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		12/08/22 16:28	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		12/08/22 16:28	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		12/08/22 16:28	127-18-4	
Trichloroethene	1.7	ug/L	1.0	0.32	1		12/08/22 16:28	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	106	%	70-130		1		12/08/22 16:28	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		12/08/22 16:28	2199-69-1	
Toluene-d8 (S)	106	%	70-130		1		12/08/22 16:28	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40255567

**Sample: MW-34A DUP**      **Lab ID: 40255567007**      Collected: 12/05/22 11:00      Received: 12/06/22 10:00      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		12/08/22 14:32	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		12/08/22 14:32	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		12/08/22 14:32	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		12/08/22 14:32	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		12/08/22 14:32	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	104	%	70-130		1		12/08/22 14:32	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		12/08/22 14:32	2199-69-1	
Toluene-d8 (S)	104	%	70-130		1		12/08/22 14:32	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40255567

**Sample: RW-3B**      **Lab ID: 40255567008**      Collected: 12/05/22 12:05      Received: 12/06/22 10:00      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		12/08/22 14:51	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		12/08/22 14:51	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		12/08/22 14:51	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		12/08/22 14:51	127-18-4	
Trichloroethene	2.5	ug/L	1.0	0.32	1		12/08/22 14:51	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	100	%	70-130		1		12/08/22 14:51	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		12/08/22 14:51	2199-69-1	
Toluene-d8 (S)	106	%	70-130		1		12/08/22 14:51	2037-26-5	

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40255567

**Sample: RW-3C**      **Lab ID: 40255567009**      Collected: 12/05/22 11:55      Received: 12/06/22 10:00      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		12/08/22 16:48	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		12/08/22 16:48	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		12/08/22 16:48	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		12/08/22 16:48	127-18-4	
Trichloroethene	2.4	ug/L	1.0	0.32	1		12/08/22 16:48	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	106	%	70-130		1		12/08/22 16:48	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		12/08/22 16:48	2199-69-1	
Toluene-d8 (S)	107	%	70-130		1		12/08/22 16:48	2037-26-5	

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40255567

**Sample: TRIP BLANK**      **Lab ID: 40255567010**      Collected: 12/05/22 00:00      Received: 12/06/22 10:00      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		12/08/22 14:12	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		12/08/22 14:12	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		12/08/22 14:12	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		12/08/22 14:12	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		12/08/22 14:12	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	103	%	70-130		1		12/08/22 14:12	460-00-4	HS
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		12/08/22 14:12	2199-69-1	
Toluene-d8 (S)	106	%	70-130		1		12/08/22 14:12	2037-26-5	

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### QUALITY CONTROL DATA

Project: 34283.000 NPI  
Pace Project No.: 40255567

QC Batch: 433142	Analysis Method: EPA 6010D
QC Batch Method: EPA 6010D	Analysis Description: ICP Metals, Trace, Dissolved
	Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40255567001

METHOD BLANK: 2493313 Matrix: Water

Associated Lab Samples: 40255567001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cadmium, Dissolved	ug/L	<1.3	5.0	12/07/22 14:20	

LABORATORY CONTROL SAMPLE: 2493314

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cadmium, Dissolved	ug/L	250	258	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2493311 2493312

Parameter	Units	2493311		2493312		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40255349001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							MSD Result
Cadmium, Dissolved	ug/L	<1.3	250	250	282	281	113	112	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.: 40255567

QC Batch: 433200 Analysis Method: EPA 8260  
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV  
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40255567004, 40255567006, 40255567007, 40255567008, 40255567009, 40255567010

METHOD BLANK: 2493873 Matrix: Water  
Associated Lab Samples: 40255567004, 40255567006, 40255567007, 40255567008, 40255567009, 40255567010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.30	1.0	12/08/22 09:21	
1,1-Dichloroethane	ug/L	<0.30	1.0	12/08/22 09:21	
1,1-Dichloroethene	ug/L	<0.58	1.0	12/08/22 09:21	
Tetrachloroethene	ug/L	<0.41	1.0	12/08/22 09:21	
Trichloroethene	ug/L	<0.32	1.0	12/08/22 09:21	
1,2-Dichlorobenzene-d4 (S)	%	98	70-130	12/08/22 09:21	
4-Bromofluorobenzene (S)	%	106	70-130	12/08/22 09:21	
Toluene-d8 (S)	%	108	70-130	12/08/22 09:21	

LABORATORY CONTROL SAMPLE: 2493874

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	42.3	85	70-134	
1,1-Dichloroethane	ug/L	50	44.5	89	70-130	
1,1-Dichloroethene	ug/L	50	48.6	97	74-131	
Tetrachloroethene	ug/L	50	54.1	108	70-130	
Trichloroethene	ug/L	50	46.0	92	70-130	
1,2-Dichlorobenzene-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Toluene-d8 (S)	%			103	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2493875 2493876

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40255567004 Result	Spike Conc.	Spike Conc.	Result						
1,1,1-Trichloroethane	ug/L	2.9	50	50	47.7	48.3	90	91	70-134	1	20
1,1-Dichloroethane	ug/L	<0.30	50	50	44.9	46.7	90	93	70-130	4	20
1,1-Dichloroethene	ug/L	<0.58	50	50	50.2	52.5	100	105	71-130	4	20
Tetrachloroethene	ug/L	<0.41	50	50	57.7	57.4	115	115	70-130	0	20
Trichloroethene	ug/L	<0.32	50	50	47.9	49.7	96	99	70-130	4	20
1,2-Dichlorobenzene-d4 (S)	%						99	102	70-130		
4-Bromofluorobenzene (S)	%						103	101	70-130		
Toluene-d8 (S)	%						108	104	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.: 40255567

QC Batch: 433582      Analysis Method: EPA 8260  
QC Batch Method: EPA 8260      Analysis Description: 8260 MSV  
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40255567002, 40255567003, 40255567005

METHOD BLANK: 2495934      Matrix: Water

Associated Lab Samples: 40255567002, 40255567003, 40255567005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.30	1.0	12/13/22 18:01	
1,1-Dichloroethane	ug/L	<0.30	1.0	12/13/22 18:01	
1,1-Dichloroethene	ug/L	<0.58	1.0	12/13/22 18:01	
Tetrachloroethene	ug/L	<0.41	1.0	12/13/22 18:01	
Trichloroethene	ug/L	<0.32	1.0	12/13/22 18:01	
1,2-Dichlorobenzene-d4 (S)	%	101	70-130	12/13/22 18:01	
4-Bromofluorobenzene (S)	%	104	70-130	12/13/22 18:01	
Toluene-d8 (S)	%	113	70-130	12/13/22 18:01	

LABORATORY CONTROL SAMPLE: 2495935

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	45.5	91	70-134	
1,1-Dichloroethane	ug/L	50	44.6	89	70-130	
1,1-Dichloroethene	ug/L	50	49.1	98	74-131	
Tetrachloroethene	ug/L	50	58.1	116	70-130	
Trichloroethene	ug/L	50	47.3	95	70-130	
1,2-Dichlorobenzene-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			105	70-130	
Toluene-d8 (S)	%			110	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2496350      2496351

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40255567003 Result	Spike Conc.	Spike Conc.	Conc.								
1,1,1-Trichloroethane	ug/L	<0.30	50	50	50	45.0	47.2	90	94	70-134	5	20	
1,1-Dichloroethane	ug/L	<0.30	50	50	50	44.3	48.5	89	97	70-130	9	20	
1,1-Dichloroethene	ug/L	<0.58	50	50	50	50.0	51.5	100	103	71-130	3	20	
Tetrachloroethene	ug/L	<0.41	50	50	50	56.2	58.9	112	118	70-130	5	20	
Trichloroethene	ug/L	0.50J	50	50	50	47.3	50.9	94	101	70-130	7	20	
1,2-Dichlorobenzene-d4 (S)	%							100	99	70-130			
4-Bromofluorobenzene (S)	%							103	104	70-130			
Toluene-d8 (S)	%							110	113	70-130			

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## QUALIFIERS

Project: 34283.000 NPI

Pace Project No.: 40255567

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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: 34283.000 NPI

Pace Project No.: 40255567

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40255567001	MW-10A	EPA 6010D	433142		
40255567002	MW-34A	EPA 8260	433582		
40255567003	MW-70A	EPA 8260	433582		
40255567004	MW-76A	EPA 8260	433200		
40255567005	MW-77A	EPA 8260	433582		
40255567006	MW-77B	EPA 8260	433200		
40255567007	MW-34A DUP	EPA 8260	433200		
40255567008	RW-3B	EPA 8260	433200		
40255567009	RW-3C	EPA 8260	433200		
40255567010	TRIP BLANK	EPA 8260	433200		

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# CHAIN-OF-CUSTODY Analytical Request Document

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

40255567  
ALL SHADED AREAS are for LAB USE ONLY

Company: Gannett Fleming

Billing Information: Derrick Paul  
NPI, 3925 N. Hastings Way  
EAU CLAIRE, WI 54703

Address: 8640 Excelsior Dr. Madison, WI 53717

Report To: Cliff Wright

Email To: d.paul@gannett.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 [ ] MT [ ] CT [ ] ET

Phone: 608/895-3651  
Email: cwright@gannett.com

Site/Facility ID #: 609038320

Compliance Monitoring?  Yes [ ] No

Collected By (print): Chelsea Payne

Purchase Order #: Pace 2022

DW PWS ID #:   
DW Location Code:

Collected By (signature): [Signature]

Turnaround Date Required:

Immediately Packed on Ice:  Yes [ ] No

Sample Disposal:  Dispose as appropriate [ ] Return  
[ ] Archive:   
[ ] Hold:

Rush: [ ] Same Day [ ] Next Day  
[ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day  
(Expedite Charges Apply)

Field Filtered (if applicable):  Yes [ ] No  
Analysis: Cadmium

\* 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-10A	GW	Grab	12/5/22	10:20				1
MW-34A				11:00				2
MW-70A				10:45				3
MW-76A				12:40				6
MW-77A				11:10				3
MW-77B				11:05				2
MW-34A dup				11:00				2
RW-3B				12:05				3
RW-3C				11:55				5
Trip Blank								2

Container Preservative Type \*\*

\*\* 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

Analyses	Lab Profile/Line:
NPI Short List VOCs	Lab Sample Receipt Checklist:
Cadmium	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: <u></u>
	Sample pH Acceptable Y N NA
	pH Strips: <u>12/10/22</u>
	Sulfide Present Y N NA
	Lead Acetate Strips: <u></u>
	LAB USE ONLY: <u>MF</u>
	Lab Sample # / Comments: <u></u>

Customer Remarks / Special Conditions / Possible Hazards: Please send copy of Level IV data pkg to Mary Gannon for validation and perform MS/MSD on VOC sample sets with six 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: bubble bags

Lab Tracking #: 2785204

Radchem sample(s) screened (<500 cpm): Y N NA

Samples received via:  FEDEX UPS Client Courier Pace Courier

Relinquished by/Company: (Signature) [Signature] Gannett Fleming

Date/Time: 12/5/22 16:30

Received by/Company: (Signature) [Signature]

Date/Time:

MTJL LAB USE ONLY

Relinquished by/Company: (Signature) FedEx

Date/Time: 12/6/22 10:00

Received by/Company: (Signature) [Signature] pace

Date/Time: 12/6/22 10:00

Table #:

Acctnum:

Template:

Prelogin:

PM:

PB:

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:

12/6/22 MF  
Trip Blank Received: Y N NA  
HCL MeOH TSP Other

Non Conformance(s):   
YES / NO of: Page 23 of 25

Client Name: Gannett Fleming

Sample Preservation Receipt Form  
Project # 40255567

All containers needing preservation have been checked and noted below

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	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	2.5 / 5
003																																											3	2.5 / 5
004																																											6	2.5 / 5
005																																											3	2.5 / 5
006																																											3	2.5 / 5
007																																											2	2.5 / 5
008																																											3	2.5 / 5
009																																											3	2.5 / 5
010																																											2	2.5 / 5
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012																																												2.5 / 5
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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

12/16/22 MF

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#: **40255567**

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



Tracking #: 81774224198

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 - 125 Type of Ice:  Blue Dry  None  Meltwater Only

Cooler Temperature Uncorr: 0° / Corr: 0°

Temp Blank Present:  yes  no

Biological Tissue is Frozen:  yes  no

Person examining contents:  
 Date: 12/4/22 / Initials: MF  
 Labeled By Initials: YJA

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 type="checkbox"/> No <input checked="" 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 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>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>492</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

December 15, 2022

**Project #34283.000 NPI**  
**Q4 Groundwater (2 of 2)**  
**Reviewed by CCW**  
**12/17/2022**

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

RE: Project: 34283.000 NPI  
Pace Project No.: 40255575

Dear Clifford Wright:

Enclosed are the analytical results for sample(s) received by the laboratory on December 05, 2022. 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.: 40255575

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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

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.: 40255575

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Lab ID	Sample ID	Matrix	Date Collected	Date Received
40255575001	FINISHED WATER	Water	12/05/22 12:25	12/05/22 16:30
40255575002	TRIP BLANK	Water	12/05/22 00:00	12/05/22 16:30

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: 34283.000 NPI

Pace Project No.: 40255575

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40255575001	FINISHED WATER	EPA 524.2	AS4	8	PASI-O
40255575002	TRIP BLANK	EPA 524.2	AS4	8	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40255575

**Sample: FINISHED WATER**      **Lab ID: 40255575001**      Collected: 12/05/22 12:25      Received: 12/05/22 16:30      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		12/11/22 18:48	75-34-3	L3
1,1-Dichloroethene	<0.29	ug/L	0.50	0.29	1		12/11/22 18:48	75-35-4	
Tetrachloroethene	<0.26	ug/L	0.50	0.26	1		12/11/22 18:48	127-18-4	
1,1,1-Trichloroethane	<0.27	ug/L	0.50	0.27	1		12/11/22 18:48	71-55-6	
Trichloroethene	<0.26	ug/L	0.50	0.26	1		12/11/22 18:48	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	93	%	70-130		1		12/11/22 18:48	460-00-4	
Toluene-d8 (S)	97	%	70-130		1		12/11/22 18:48	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		12/11/22 18:48	2199-69-1	

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40255575

**Sample: TRIP BLANK**      **Lab ID: 40255575002**      Collected: 12/05/22 00:00      Received: 12/05/22 16:30      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		12/11/22 19:12	75-34-3	L3
1,1-Dichloroethene	<0.29	ug/L	0.50	0.29	1		12/11/22 19:12	75-35-4	
Tetrachloroethene	<0.26	ug/L	0.50	0.26	1		12/11/22 19:12	127-18-4	
1,1,1-Trichloroethane	<0.27	ug/L	0.50	0.27	1		12/11/22 19:12	71-55-6	
Trichloroethene	<0.26	ug/L	0.50	0.26	1		12/11/22 19:12	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	93	%	70-130		1		12/11/22 19:12	460-00-4	
Toluene-d8 (S)	97	%	70-130		1		12/11/22 19:12	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	108	%	70-130		1		12/11/22 19:12	2199-69-1	

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 34283.000 NPI  
Pace Project No.: 40255575

QC Batch: 878527	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: 40255575001, 40255575002

METHOD BLANK: 4834305 Matrix: Water

Associated Lab Samples: 40255575001, 40255575002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.27	0.50	12/11/22 18:24	
1,1-Dichloroethane	ug/L	<0.27	1.0	12/11/22 18:24	
1,1-Dichloroethene	ug/L	<0.29	0.50	12/11/22 18:24	
Tetrachloroethene	ug/L	<0.26	0.50	12/11/22 18:24	
Trichloroethene	ug/L	<0.26	0.50	12/11/22 18:24	
1,2-Dichlorobenzene-d4 (S)	%	109	70-130	12/11/22 18:24	
4-Bromofluorobenzene (S)	%	91	70-130	12/11/22 18:24	
Toluene-d8 (S)	%	99	70-130	12/11/22 18:24	

LABORATORY CONTROL SAMPLE & LCSD: 4834306 4834307

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	10.9	10.6	109	106	70-130	2	20	
1,1-Dichloroethane	ug/L	10	14.5	10.1	145	101	70-130	36	20	
1,1-Dichloroethene	ug/L	10	9.9	10.0	99	100	70-130	1	20	
Tetrachloroethene	ug/L	10	10.9	11.1	109	111	70-130	3	20	
Trichloroethene	ug/L	10	10.3	10.2	103	102	70-130	1	20	
1,2-Dichlorobenzene-d4 (S)	%				99	99	70-130			
4-Bromofluorobenzene (S)	%				97	100	70-130			
Toluene-d8 (S)	%				101	97	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.: 40255575

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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

L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples.

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 34283.000 NPI  
Pace Project No.: 40255575

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Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40255575001	FINISHED WATER	EPA 524.2	878527		
40255575002	TRIP BLANK	EPA 524.2	878527		

### REPORT OF LABORATORY ANALYSIS

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Effective Date: 8/16/2022

Client Name: Gannett Fleming

Sample Preservation Receipt Form  
Project # 4075555

All containers needing preservation have been checked and noted below:

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	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	BP2Z	VG9C	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC								GN 1	GN 2
001																3																		2.5 / 5
002																																		2.5 / 5
003																																		2.5 / 5
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017																																		2.5 / 5
018																																		2.5 / 5
019																																		2.5 / 5
020																																		2.5 / 5

12/06/22  
R/S

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: Gannett Fleming

**WO#: 40255575**

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



40255575

Tracking #: 81774223418

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 - 125 Type of Ice:  Ice Blue Dry None  Meltwater Only

Cooler Temperature Uncorr: 0 /Corr: 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: 12/10/22 Initials: ME  
 Labeled By Initials: MJS

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 checked="" type="checkbox"/> N/A		
Correct Containers Used:	<input 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 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>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>402</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

**APPENDIX C (available upon request)**

**TEXT OF THE 2022 ANALYTICAL DATA VALIDATION REPORTS**



## Presto Site Data Validation Technical Memorandum

March 24, 2022 Sampling Event



Technical memorandum

DATE: May 6, 2022

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 24, 2022 Quarterly Groundwater Sampling Event

Project#: 34283

*Mary C. Gannon*  
*5/6/22*

## 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 24, 2022, 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 24, 2022 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 two samples 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

March 24, 2022 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 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 3/22/22 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 24, 2022 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 sample used for method 8260 analyses MS/MSD was EW-6. 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 EW-6. The calculated Relative Percent Difference (RPD) for the detected volatile organics between the sample and its field duplicate are as follows:

Sample ID	EW-6	EW-6 Dup	RPD
Trichloroethene	0.78 J ug/L	0.78 J ug/L	0%
1,1,1-trichloroethane	0.70 J ug/L	0.71 J ug/L	1.4%

Presto Site Data Validation Technical Memorandum

March 24, 2022 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 March 2022**

	Volatiles	Dissolved
	SW846	Cadmium
SAMPLE ID	8260	6010D
<b>EW-6</b>	✓	
<b>EW-6 DUP</b>	✓	
<b>MH-18</b>	✓	
<b>MW-10A</b>		✓
<b>MW-34A</b>		✓
<b>MW-76A</b>	✓	
<b>TRIP BLANK</b>	✓	
<b>Total</b>	5	2

## Presto Site Data Validation Technical Memorandum

June 2022 Sampling Event



Technical memorandum

DATE: August 28, 2022

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 2022 Quarterly Groundwater Sampling Event

Project#: 34283

*Mary C. Gannon*  
8/28/22

## 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 13-15, 2022 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, 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 2022 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. There were a few errors on the original chain of custody, but these were corrected by the project manager before analyses began. 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 2022 Sampling Event

### 2.2.6 Serial Dilution

The one sample analyzed did not have a serial dilution. A batch serial dilution was run at appropriate intervals. 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 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. 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.

Seven-point initial calibration curves were analyzed on 5/11/22, 5/26/22, 6/7/22, and

## Presto Site Data Validation Technical Memorandum

### June 2022 Sampling Event

4/8/22 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 for method 524.2 was analyzed on 6/21/22. 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 MW-76A, MW-38B and EW-6. 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.

#### 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.



## Presto Site Data Validation Technical Memorandum

June 2022 Sampling Event

## 3.2.9 Field QC Results

Four 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 MW-43B, MW-77B, MW-52A, and RW-3A. The calculated Relative Percent Difference (RPD) for the detected volatile organics between the sample and its field duplicate were as follows:

Sample ID	MW-43B	MW-43B DUP	RPD	MW-77B	MW-77B DUP	RPD
Trichloroethene	1.3 ug/L	1.4 ug/L	7.4%	2.2 ug/L	2.1 ug/L	4.7%
1,1,1-Trichloroethane	0.49 J ug/L	0.40 J ug/L	NA	0.34 J ug/L	0.40 J ug/L	NA

Sample ID	MW-52A	MW-52A Dup	RPD	RW-3A	RW-3A DUP	RPD
Trichloroethene	3.1 ug/L	3.2 ug/L	3.2%	2.2 ug/L	2.1 ug/L	4.7%
1,1,1-Trichloroethane	0.38 J ug/L	0.35 J ug/L	NA	ND	ND	0%

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.



Attachments:

Table 1  
Validated Analytical Reports (hard copy)

cc: Gannett Fleming, Inc.

Table 1 Sample Results Validated June 2022 Sampling

SAMPLE ID	Volatiles	Dissolved	SAMPLE ID	Volatiles	SAMPLE ID	Volatiles
	SW846	Cadmium		SW846		524.2
	8260B	6010		8260B		
MW-51B	✓		MW-23B	✓	FINISHED WATER	✓
MW-52A	✓		MW-38A	✓	TRIP BLANK	✓
MW-52A DUP	✓		MW-38B	✓		
MW-52B	✓		MW-41B	✓		
MW-53B	✓		MW-43A	✓		
MW-54B	✓		MW-43B	✓		
MW-54C	✓		RW-16	✓		
MW-55B	✓		RW-16B	✓		
TRIP BLANK	✓		RW-16C	✓		
MW-4B	✓		RW-3A	✓		
MW-10A		✓	RW-3B	✓		
MW-34A	✓		RW-3C	✓		
MW-68A	✓		MW-38C	✓		
MW-68B	✓		RW-2A	✓		
MW-70A	✓		RW-2B	✓		
MW-76A	✓		RW-2C	✓		
MW-77A	✓		RW-15	✓		
MW-77B	✓		WW-15	✓		
MW-77B DUP	✓		MW-35A	✓		
MW-77C	✓		MW-35B	✓		
MW-5A	✓		RW-3A DUP	✓		
MW-62AR	✓		MW-43B DUP	✓		
TRIP BLANK	✓		MW-65C	✓		
EW-6	✓		TRIP BLANK	✓		
MH-18	✓		MW-41A	✓		
MW-23A	✓					
	25	1		25		2

## Presto Site Data Validation Technical Memorandum

August 30, 2022 Sampling Event



Technical memorandum

DATE: September 13, 2022

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 30, 2022 Quarterly Groundwater Sampling Event

Project#: 34283

A handwritten signature in blue ink that reads 'Mary C Gannon' with the date '9/13/22' written below it.

## 1.0 OVERVIEW

Analytical results (8260 volatiles, 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 30, 2022, 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 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 30, 2022 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**

One project sample was used for method 6010 analyses MS/MSD. Sample MW-18 recoveries and relative percent difference limits found on QAPP worksheet #15 were met for cadmium. No action was needed to qualify sample data.

## Presto Site Data Validation Technical Memorandum

August 30, 2022 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 8/5/22, and 8/22/22 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 30, 2022 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)**

One project sample was used for method 8260 analyses MS/MSD. Sample EW-6 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. The calculated Relative Percent Difference (RPD) for the detected volatile organics between the sample and its field duplicate were as follows:

Sample ID	EW-6	EW-6 Dup	RPD
Trichloroethene	0.97 J ug/L	1.0 ug/L	3.0%
1,1,1-trichloroethane	0.57 J ug/L	0.63 J ug/L	10%

Presto Site Data Validation Technical Memorandum

August 30, 2022 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 August 2022**

	Volatiles	Total	Dissolved
	SW846	Cadmium	Cadmium
SAMPLE ID	8260B	6010	6010
<b>EW-6</b>	✓		
<b>EW-6 DUP</b>	✓		
<b>MH-18</b>	✓	✓	
<b>MW-10A</b>			✓
<b>MW-10B</b>			✓
<b>MW-34A</b>			✓
<b>MW-34B</b>			✓
<b>MW-68B</b>			✓
<b>MW-70A</b>	✓		
<b>MW-70B</b>			✓
<b>MW-75</b>			✓
<b>MW-76A</b>	✓		
<b>EC-1</b>	✓		
<b>EC-6</b>	✓		
<b>TRIP BLANK</b>	✓		
<b>Total</b>	<b>8</b>	<b>1</b>	<b>7</b>



Presto Site Data Validation Technical Memorandum

December 5, 2022 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*

December 5, 2022 Quarterly Groundwater Sampling Event

Project#: 34283

*Mary C. Gannon  
5/5/23*

## 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 December 5, 2022, 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, 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

December 5, 2022 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 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. No action was needed to qualify sample data.

## Presto Site Data Validation Technical Memorandum

December 5, 2022 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 11/02/22, 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 12/05/22. 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

December 5, 2022 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. One Calibration Check Compound for method 524.2 recovered high and did not meet the limits of < 30 % for 1,1-Dichloroethane. No 1,1-Dichloroethane was detected in the samples therefore no data needs to be qualified. All response factors of reported compounds met data validation criteria.

### 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 MW-70A and MW-76A. 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 compounds. 1,1-Dichloroethane did not meet the established criteria and failed high at 145%. No 1,1-Dichloroethane was detected in the samples so 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.

Presto Site Data Validation Technical Memorandum

December 5, 2022 Sampling Event

Field duplicates were collected for MW-34A. Nothing was detected in the sample or duplicate. No action was needed to qualify sample 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:

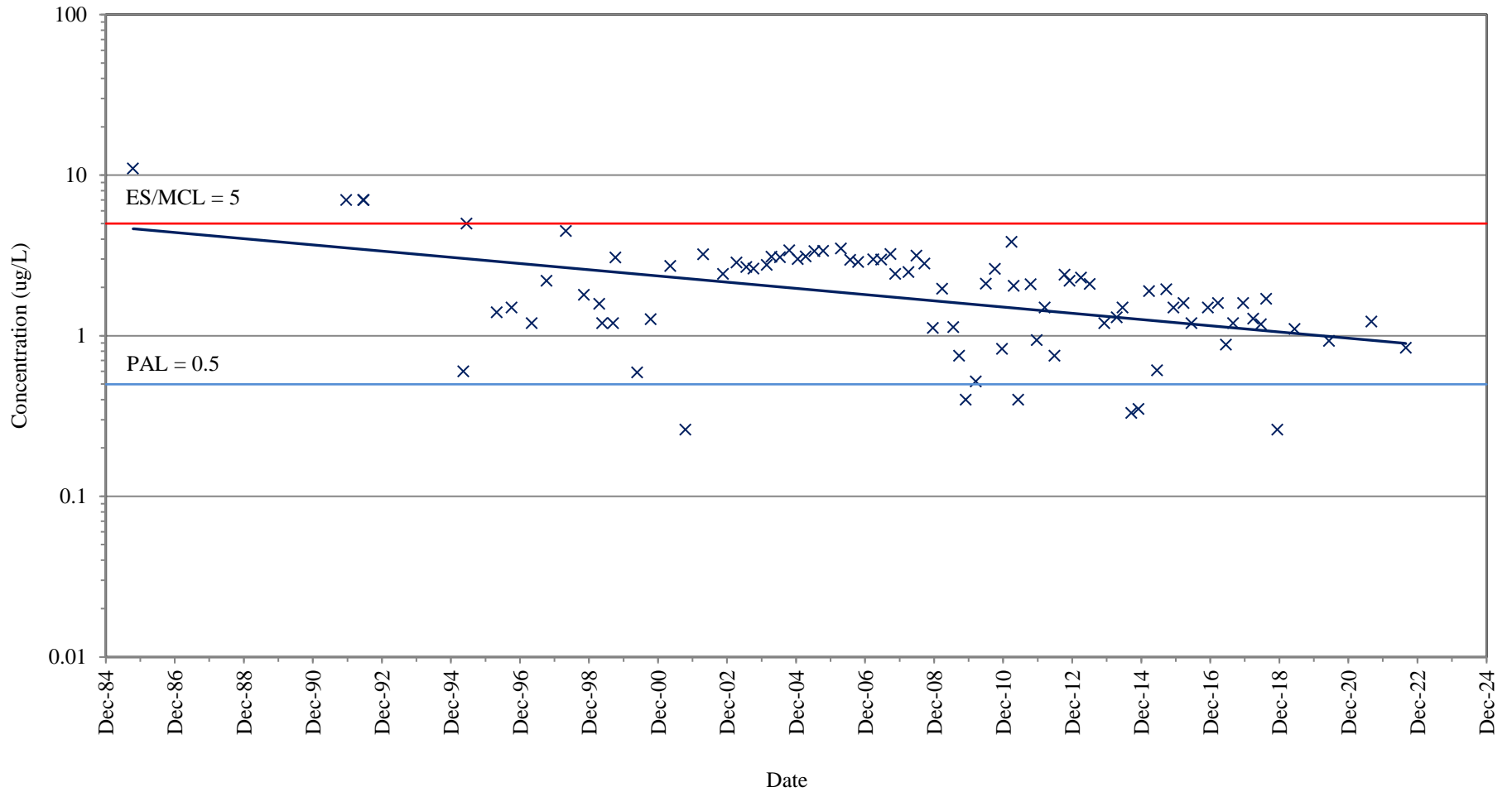
Table 1  
Validated Analytical Reports (hard copy)  
cc: Gannett Fleming, Inc.

Table 1 Sample Results Validated Q4 2022

SAMPLE ID	Volatiles	Dissolved	SAMPLE ID	Volatiles
	SW846	Cadmium		524.2
	8260B	6010		
MW-10A		✓	FINISHED PRODUCT	✓
MW-34A	✓		TRIP BLANK	✓
MW-70A	✓			
MW-76A	✓			
MW-77A	✓			
MW-77B	✓			
MW-34A DUP	✓			
RW-3B	✓			
RW-3C	✓			
TRIP BLANK	✓			
	9	1		2

**APPENDIX D**

**TCE CONCENTRATION VERSUS TIME GRAPHS**  
**FORMER PLUME 1/2 (SOUTHWEST CORNER TO THE ECMWF)**

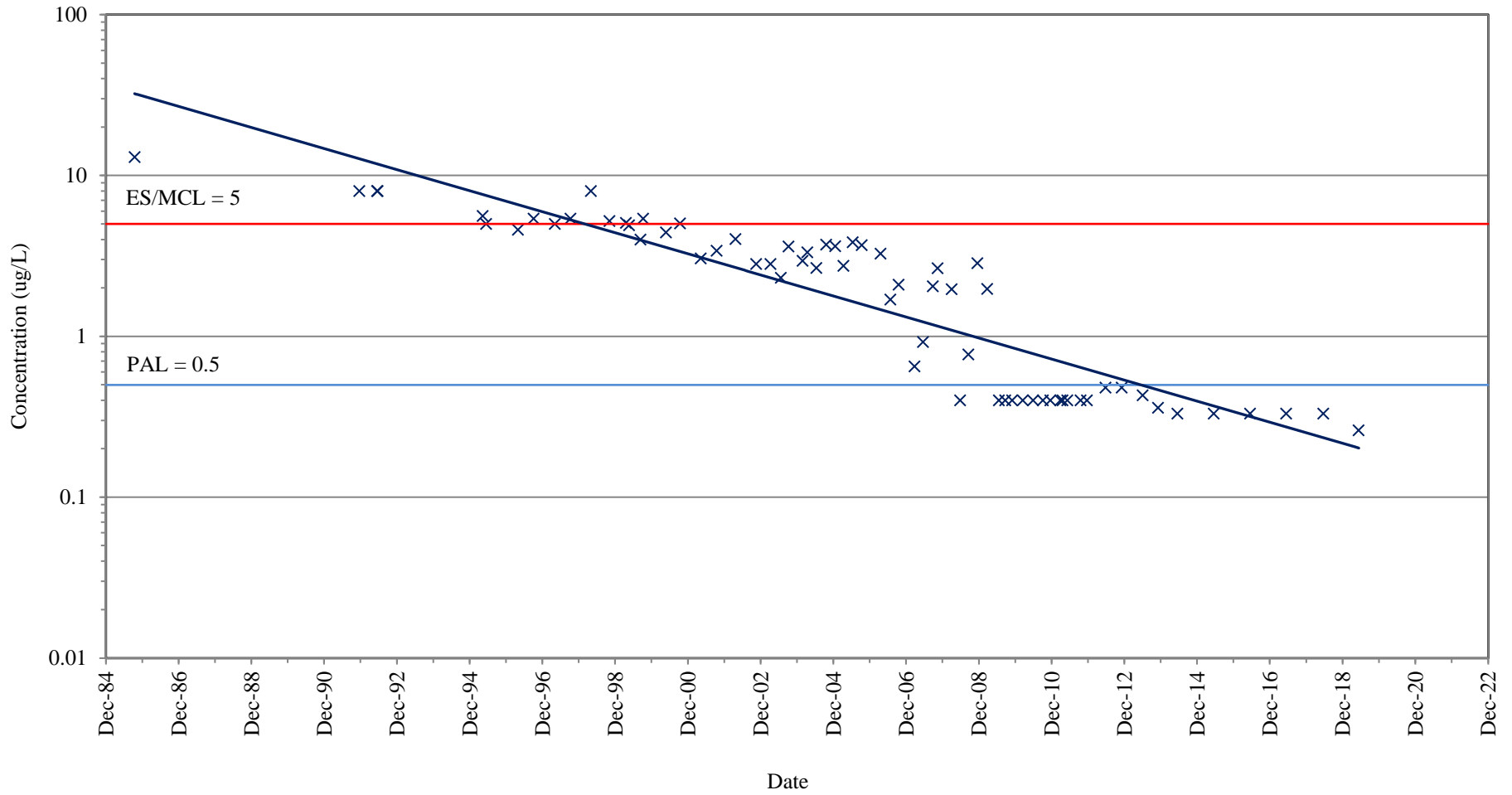


Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS**  
**EC-1 (GRID COORDINATE C7)**

NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN

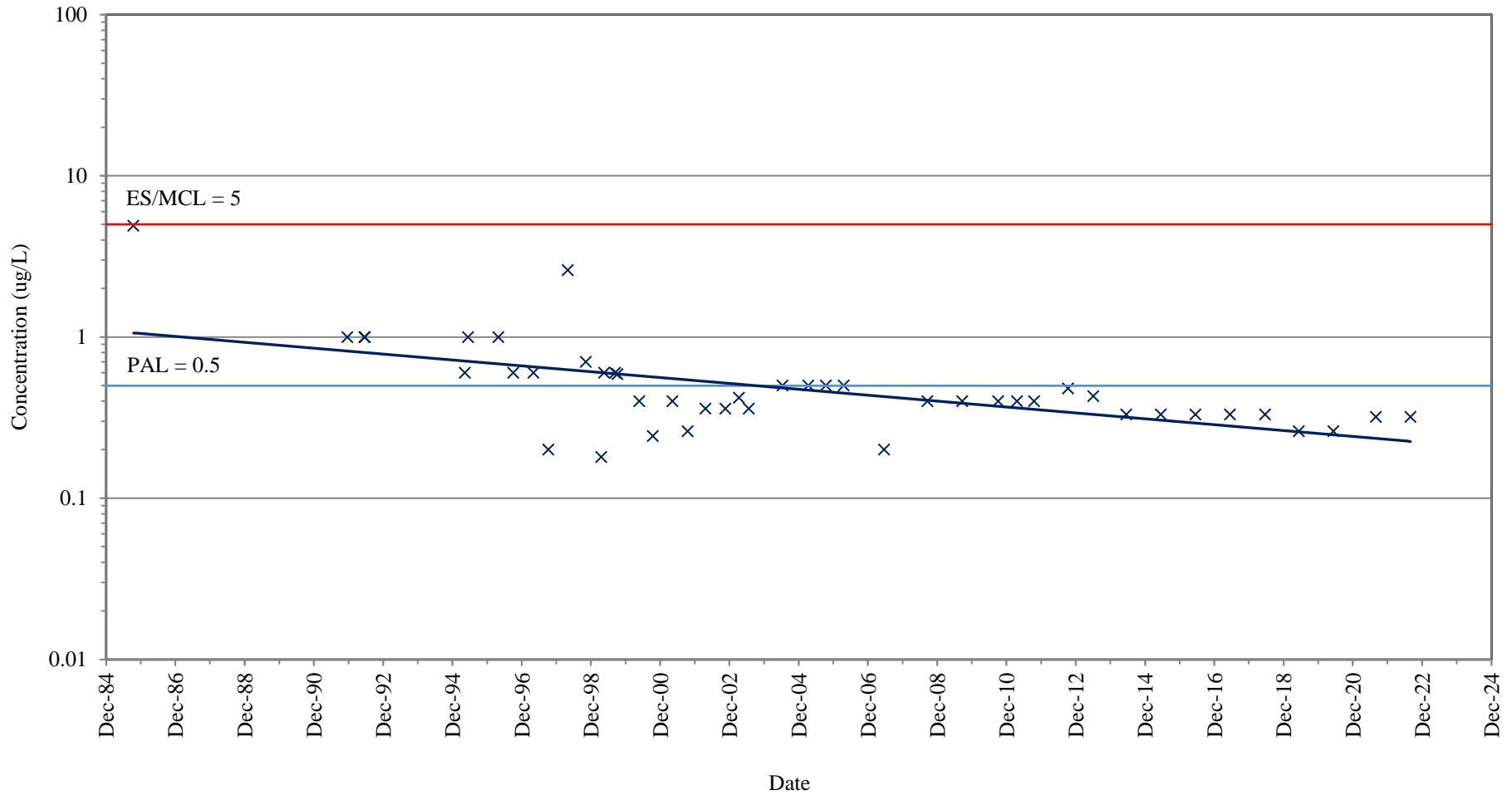




Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS**  
**EC-2 (GRID COORDINATE C7)**

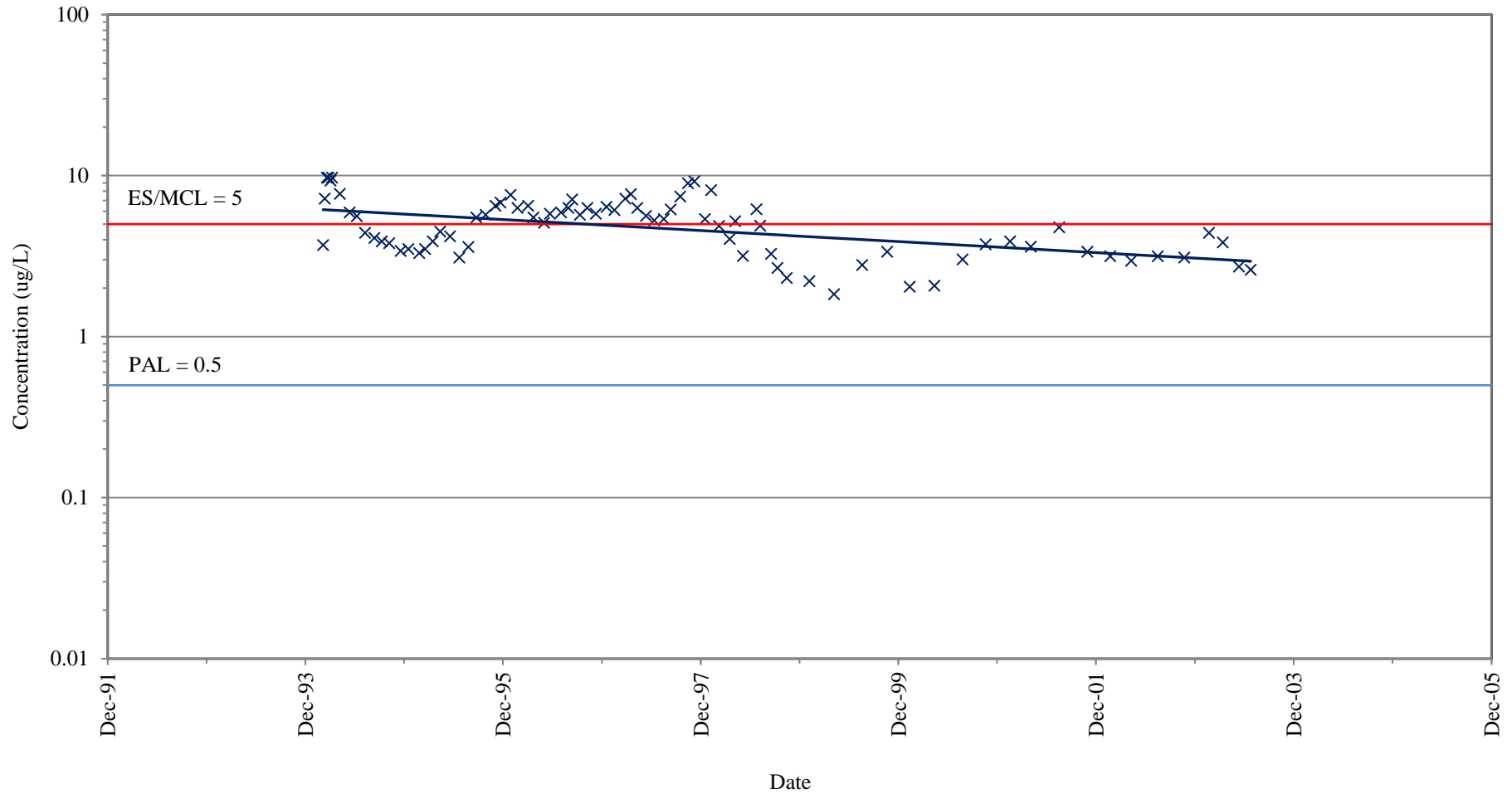
NATIONAL PRESTO INDUSTRIES, INC.  
EAU CLAIRE, WISCONSIN



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)**

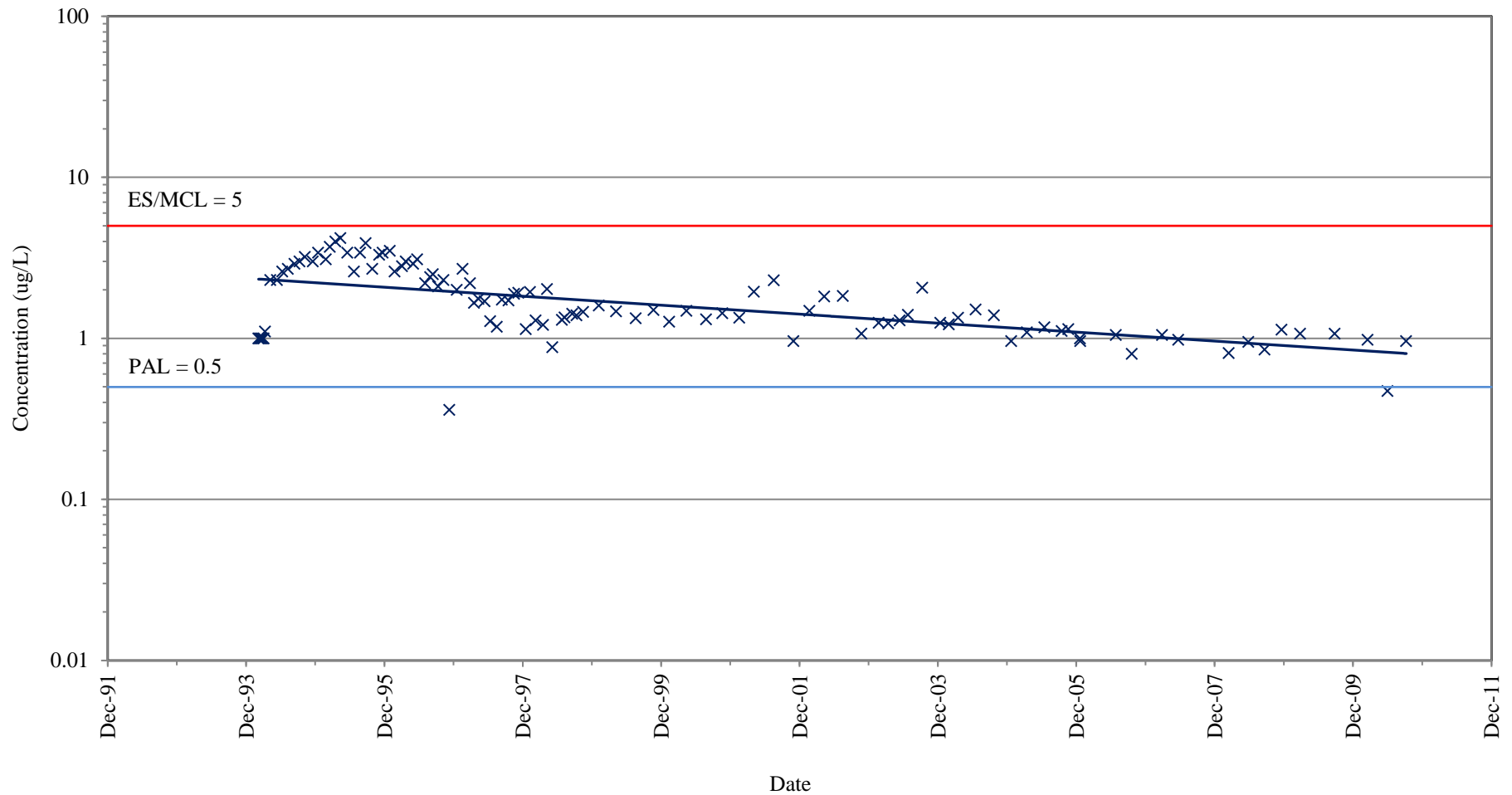
NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN



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)**

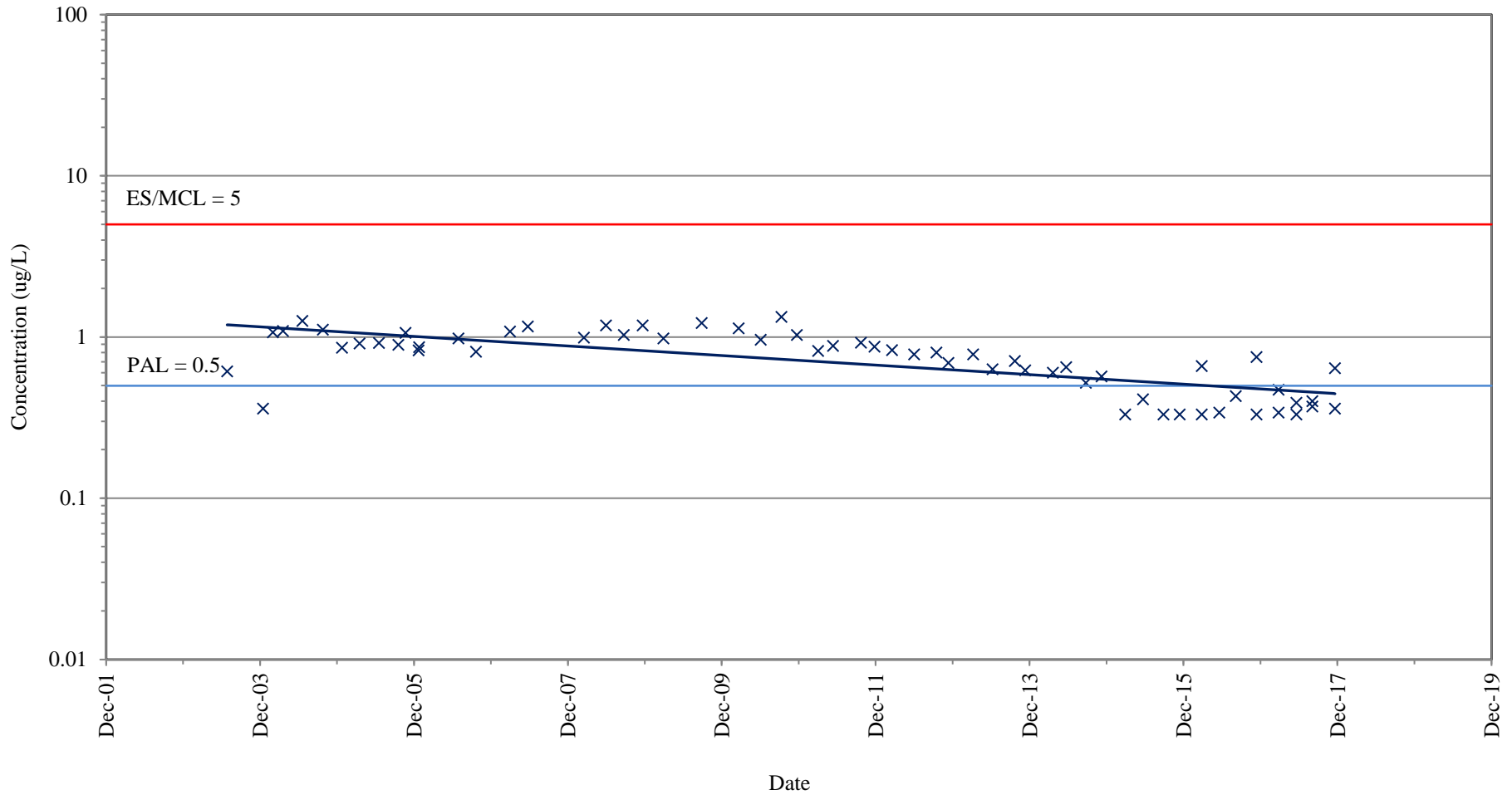
NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN



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)**

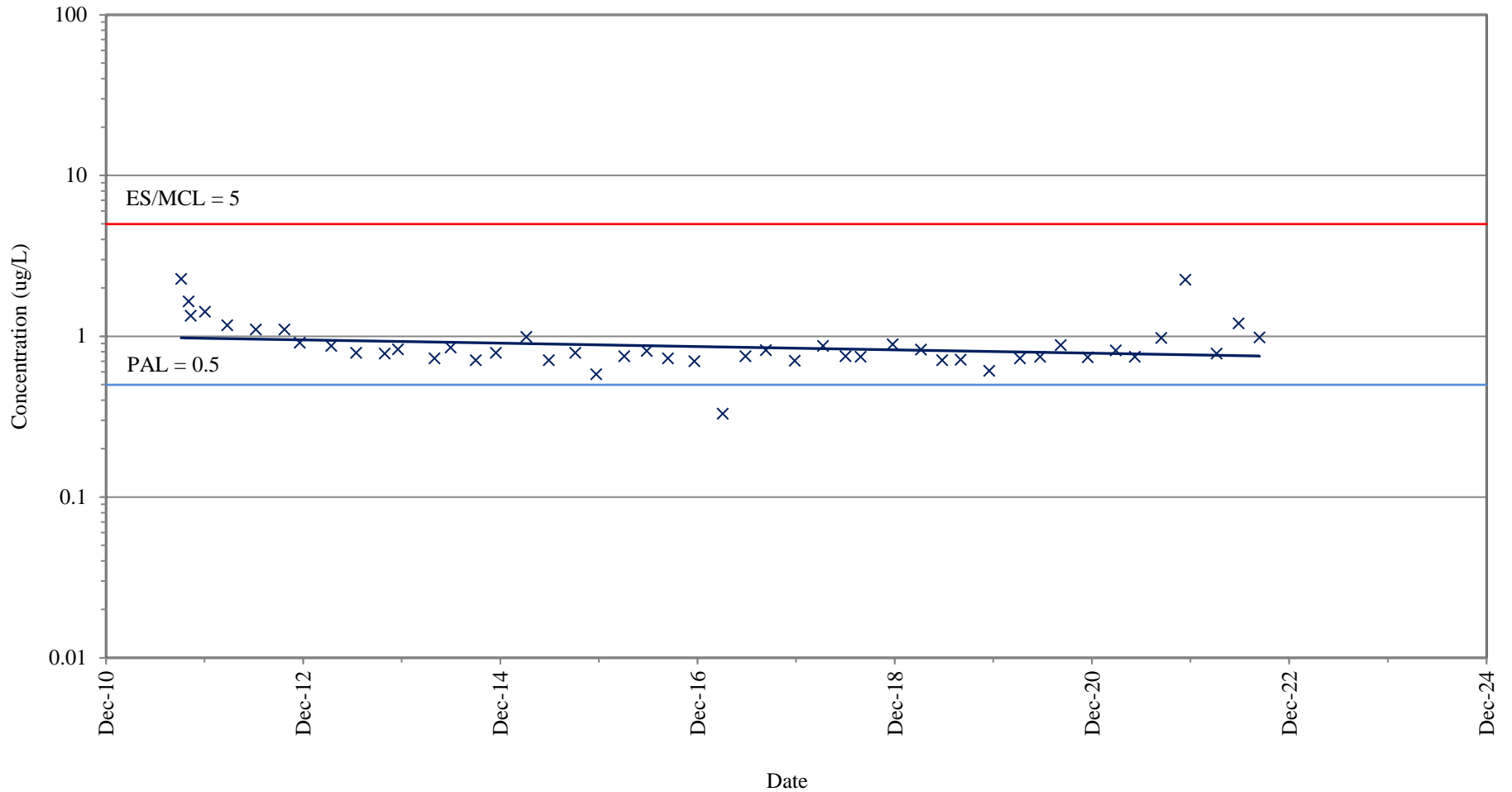
NATIONAL PRESTO INDUSTRIES, INC.  
EAU CLAIRE, WISCONSIN



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)**

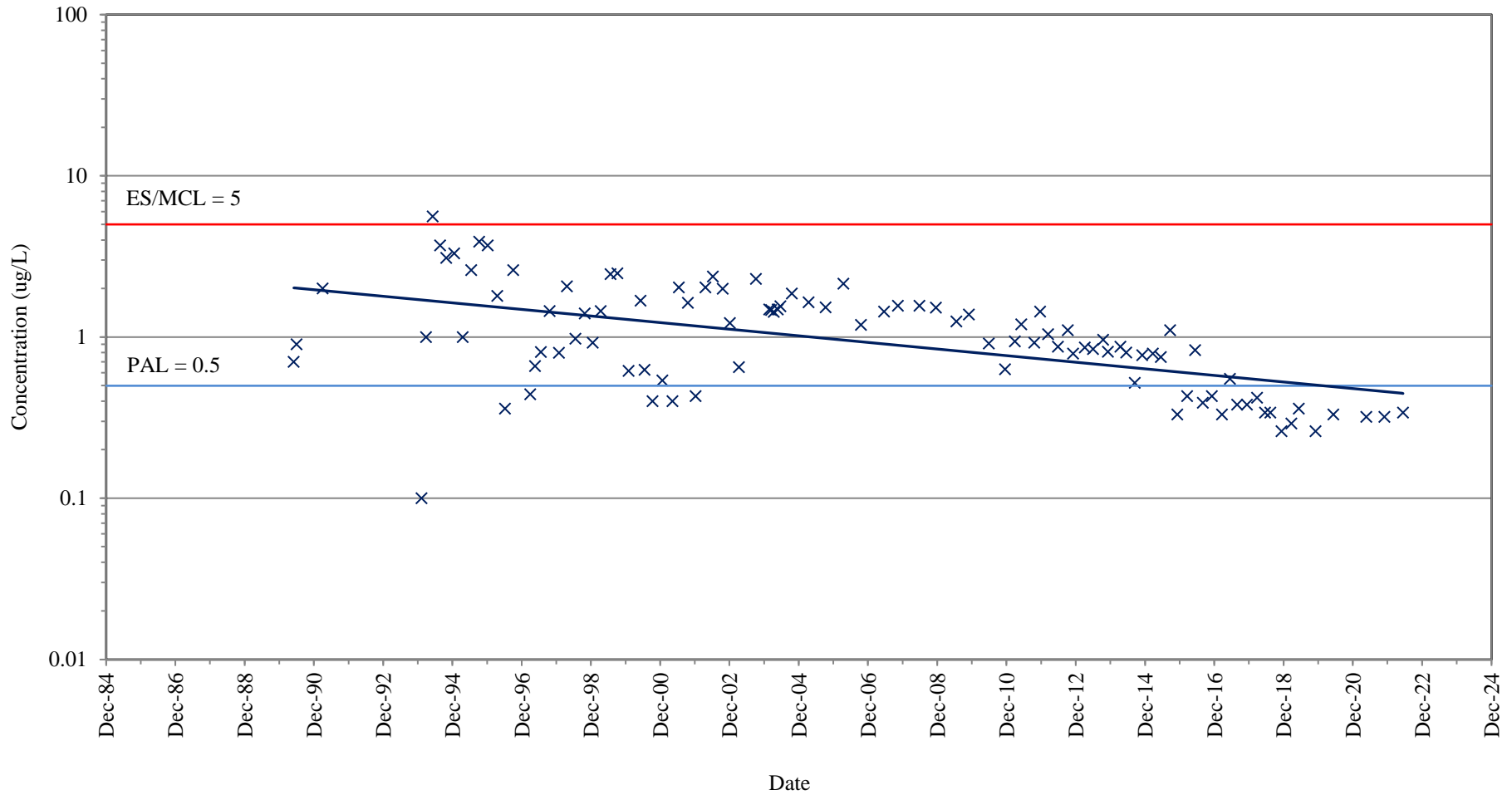
NATIONAL PRESTO INDUSTRIES, INC.  
EAU CLAIRE, WISCONSIN



Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel. EW-6 was temporarily offline 01/16/17-04/27/17 and 09/01/21-01/17/22, as approved by both agencies, for trial shut downs.

**PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS**  
**EW-6 (GRID COORDINATE K7)**

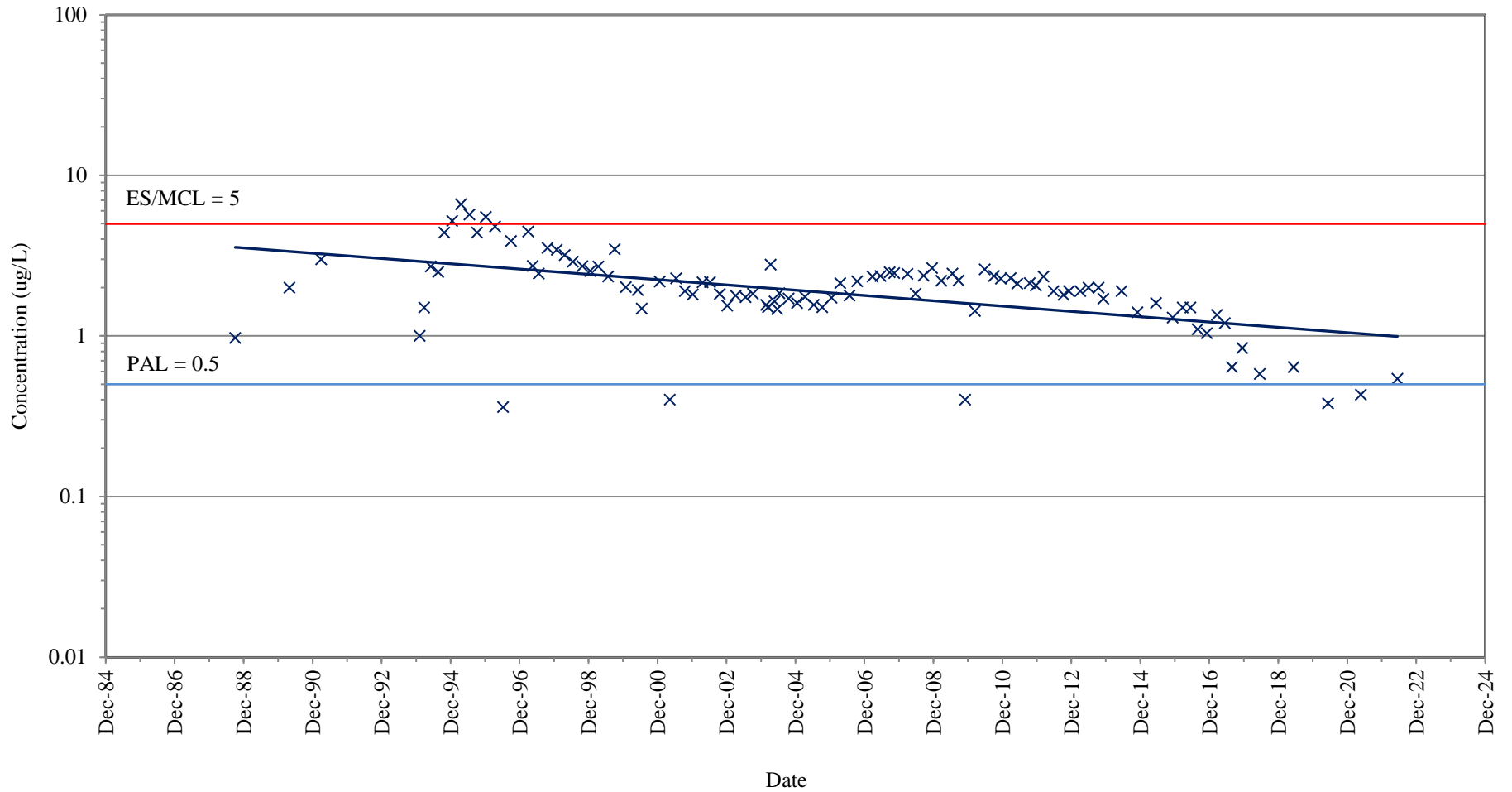
NATIONAL PRESTO INDUSTRIES, INC.  
EAU CLAIRE, WISCONSIN



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

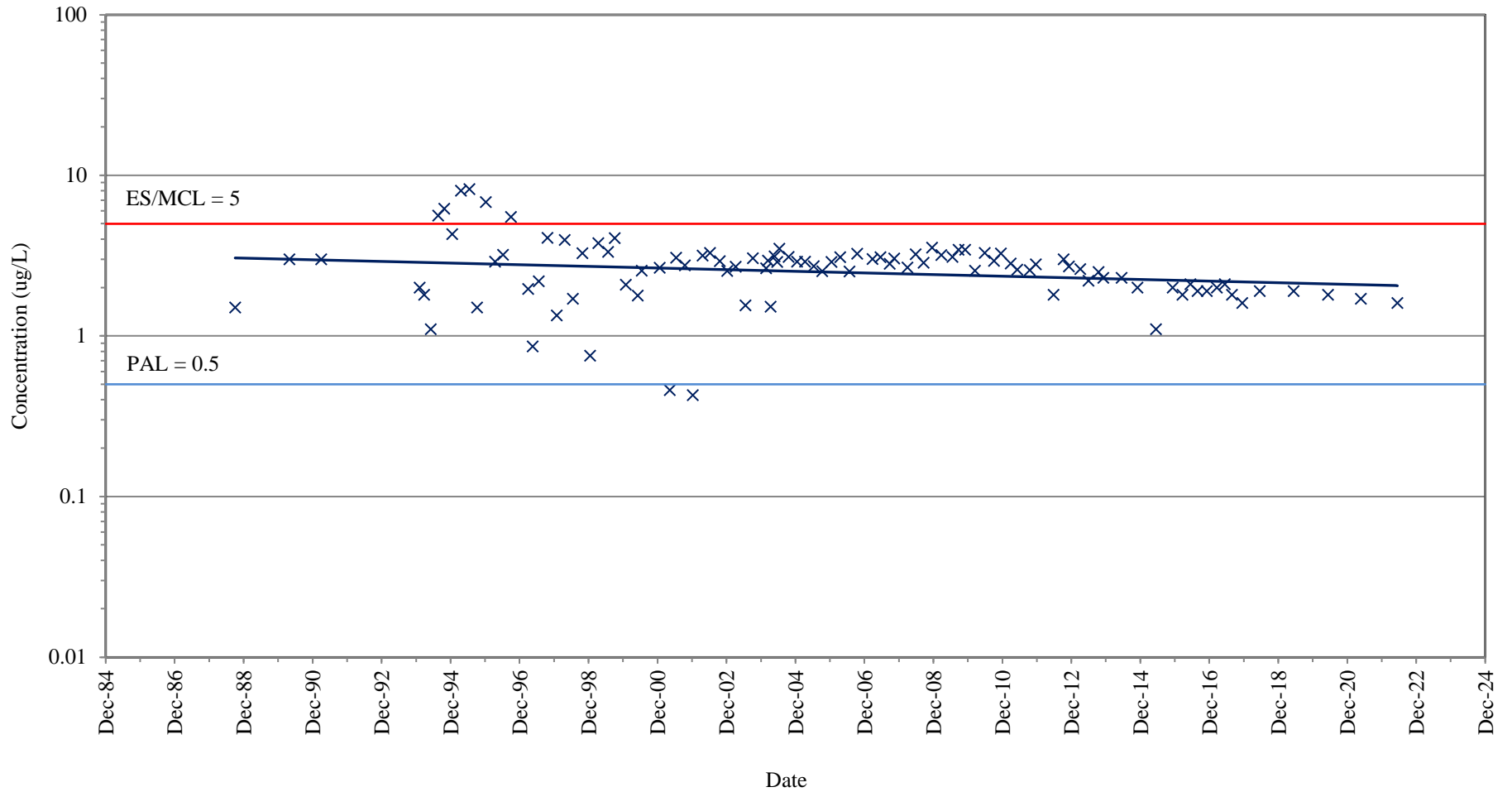


Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS**  
**MW-23A (GRID COORDINATE J7)**

NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN

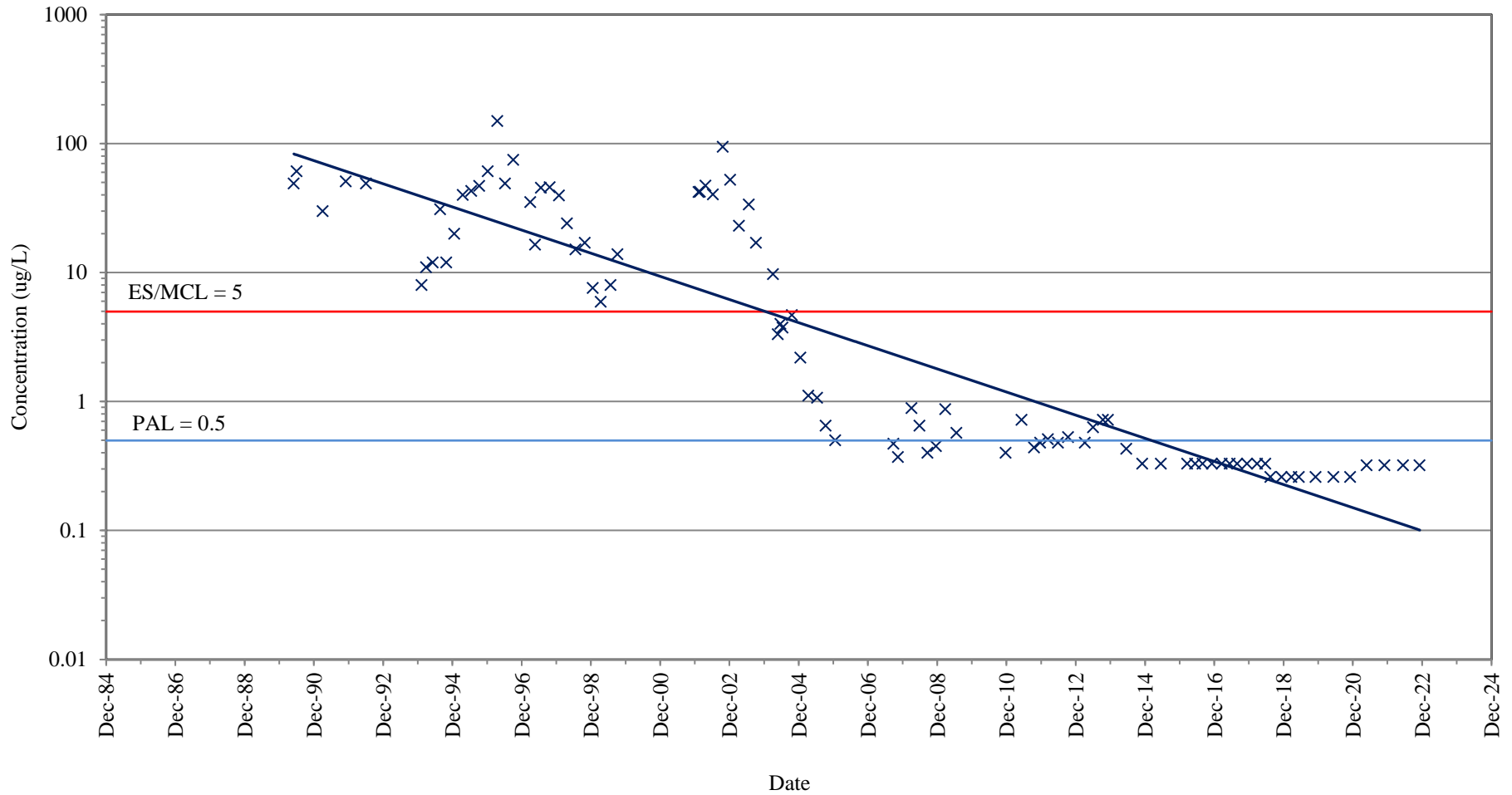




Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS**  
**MW-23B (GRID COORDINATE J7)**

NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN

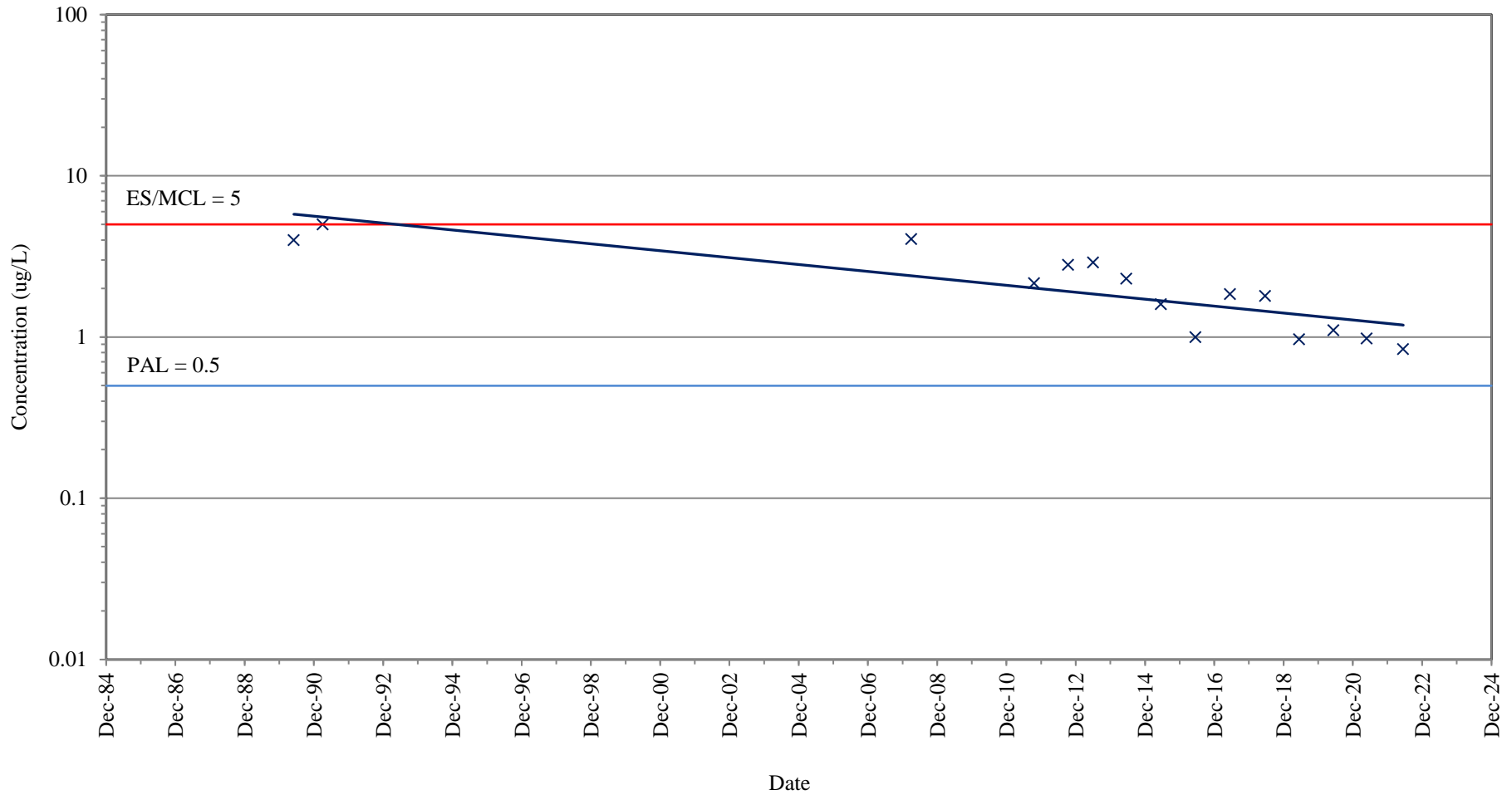


Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS**  
**MW-34A (GRID COORDINATE K8)**

NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN

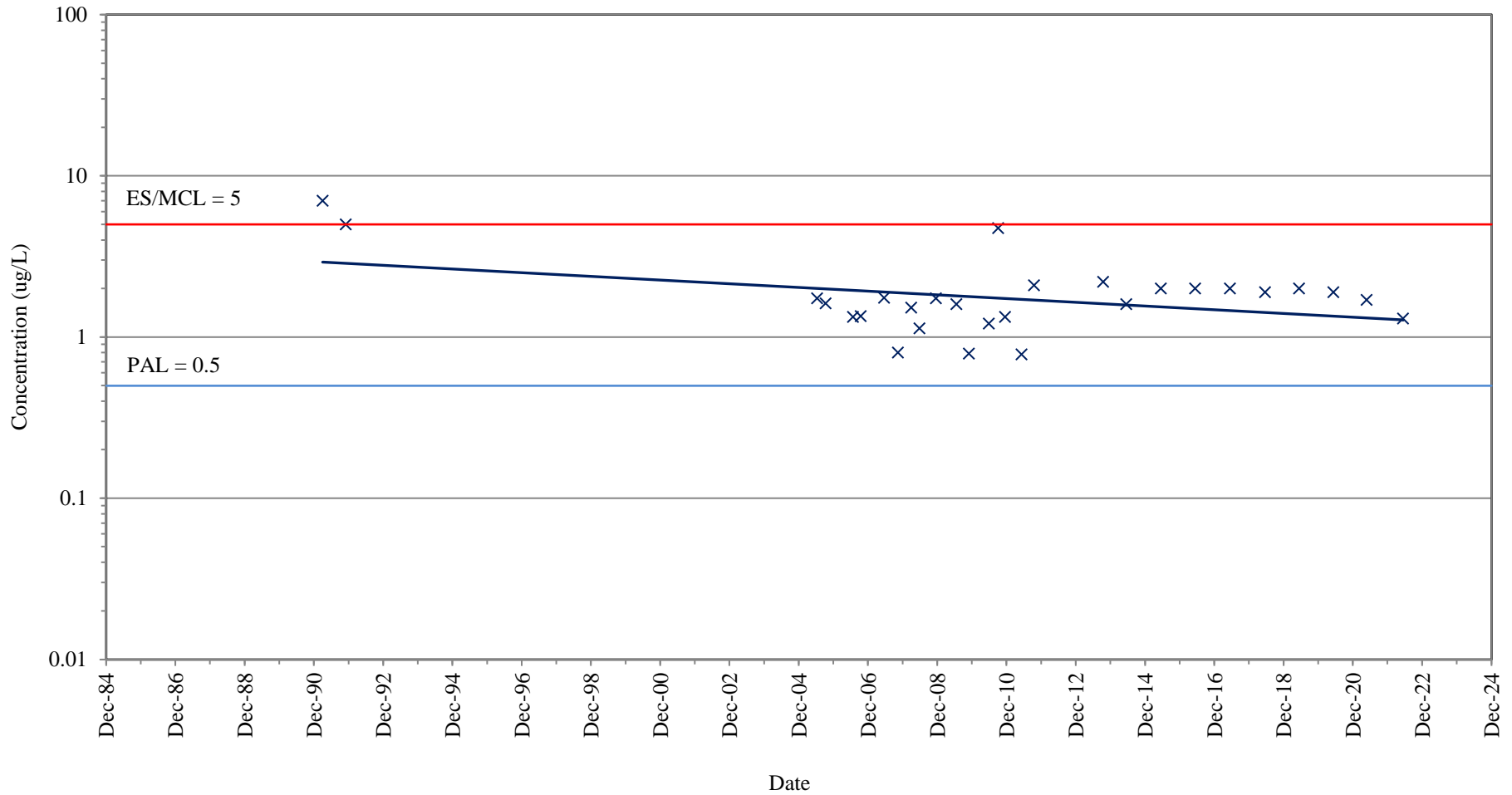




Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS**  
**MW-35A (GRID COORDINATE K7)**

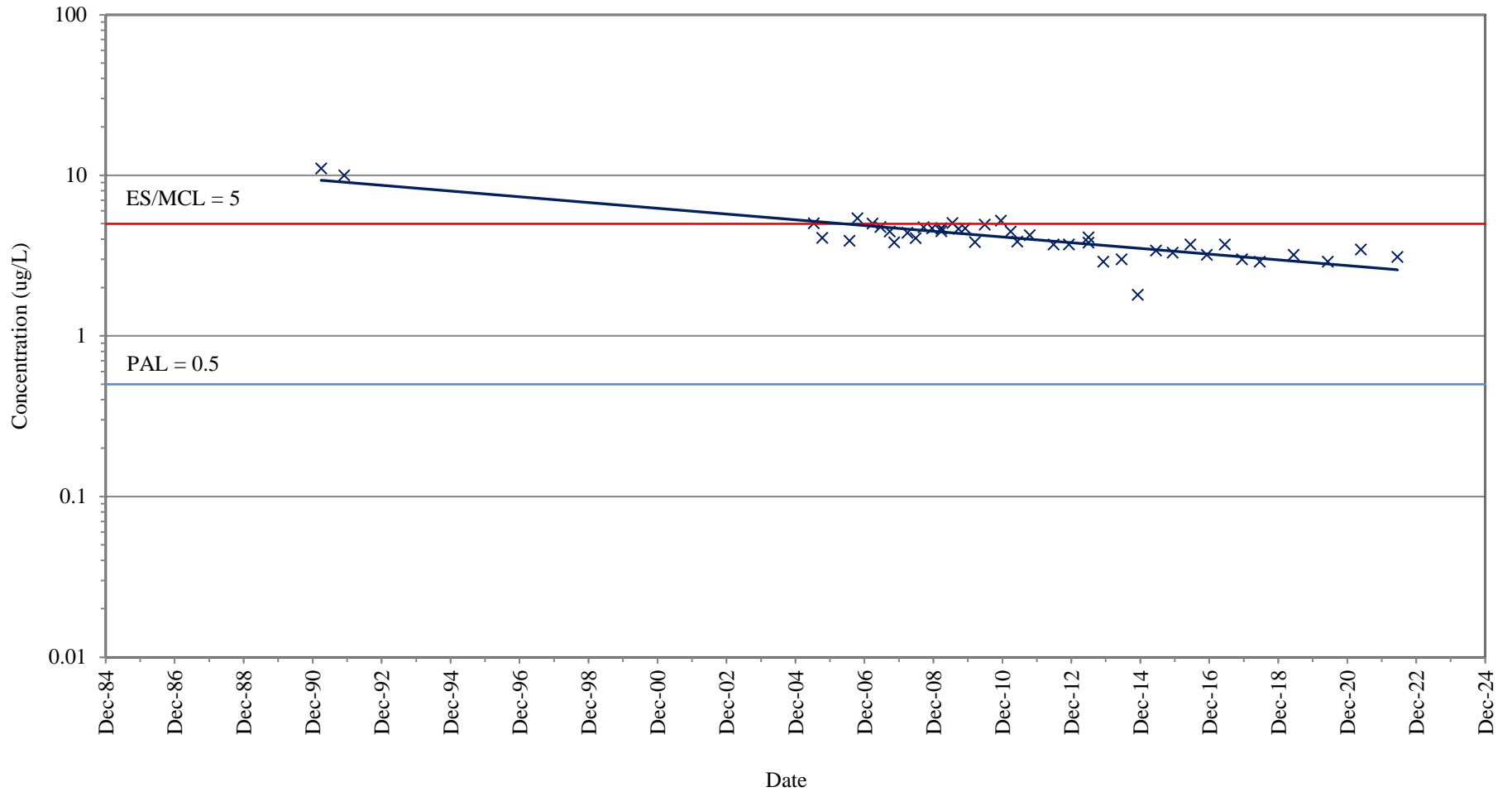
NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN



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)**

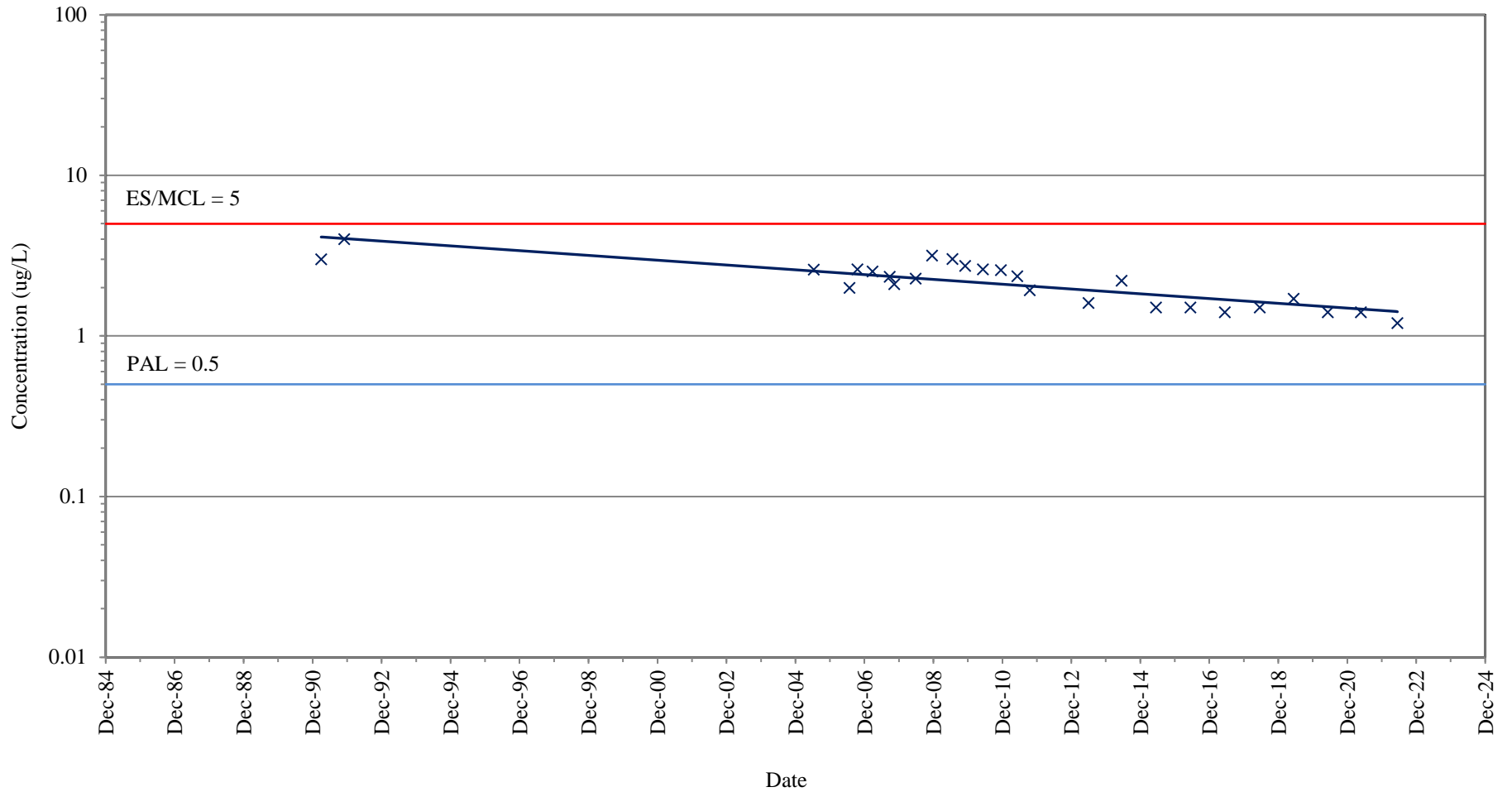
NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN



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)**

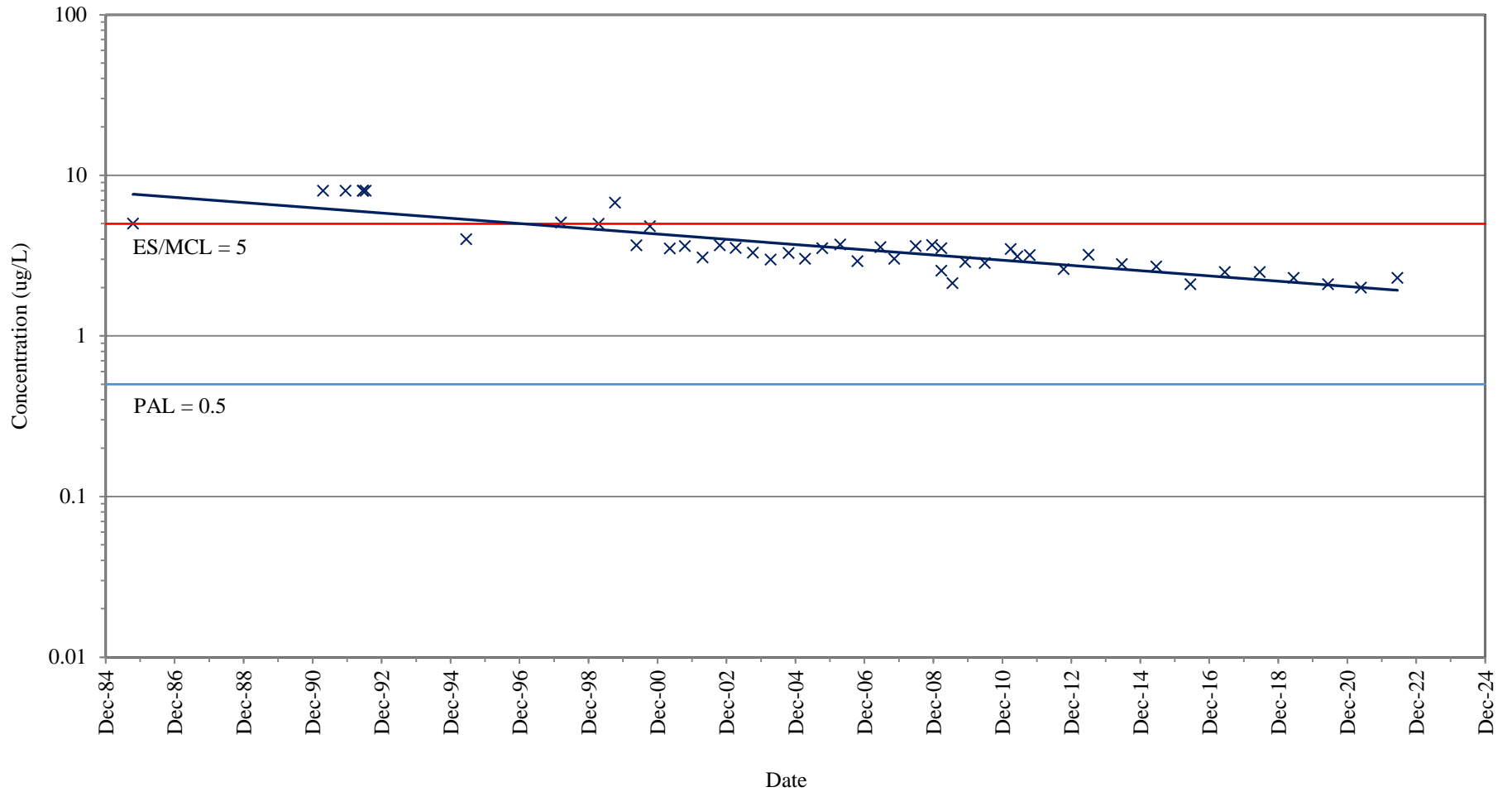
NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN



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

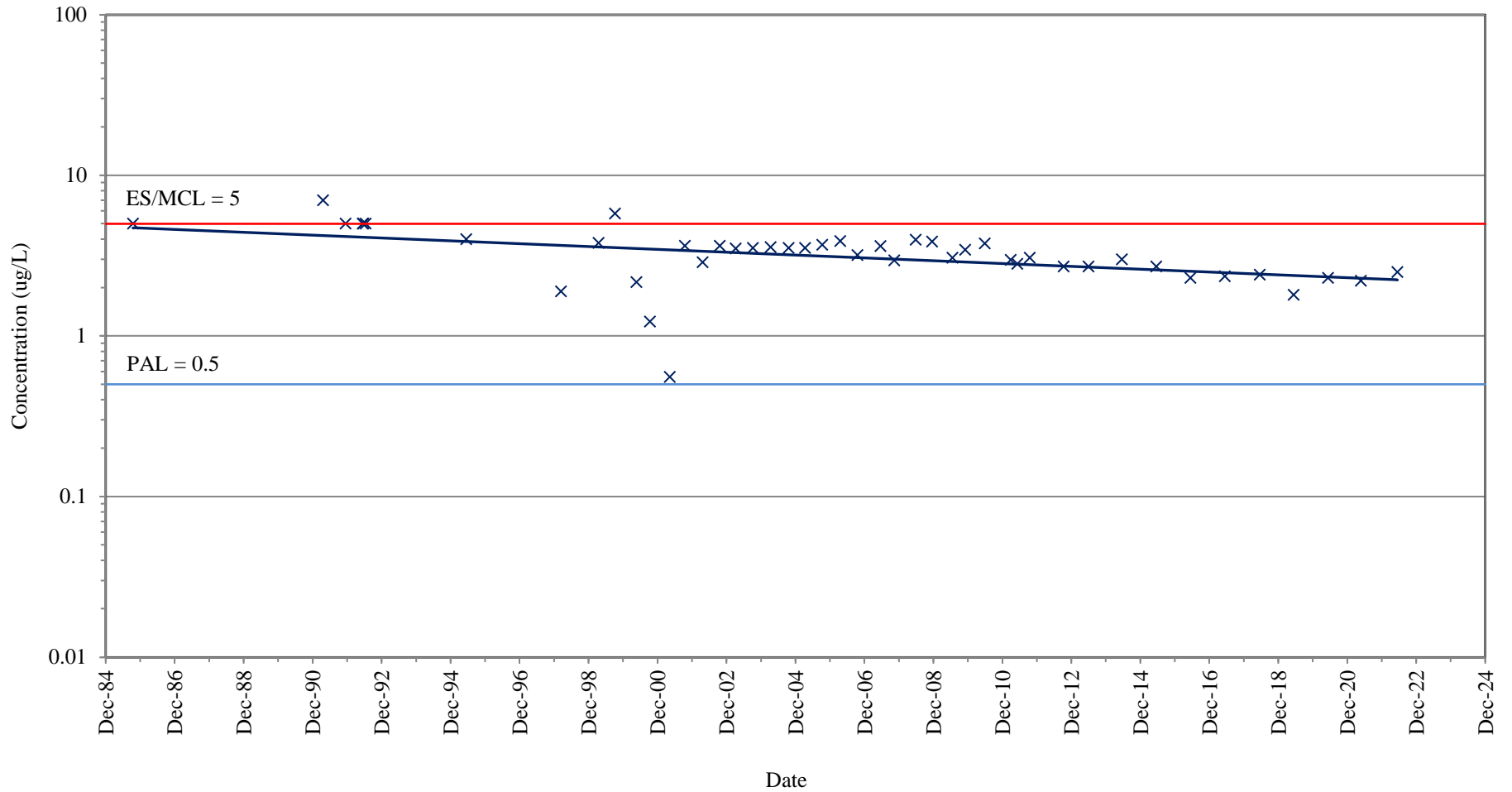


Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS**  
**MW-41A (GRID COORDINATE H8)**

NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN

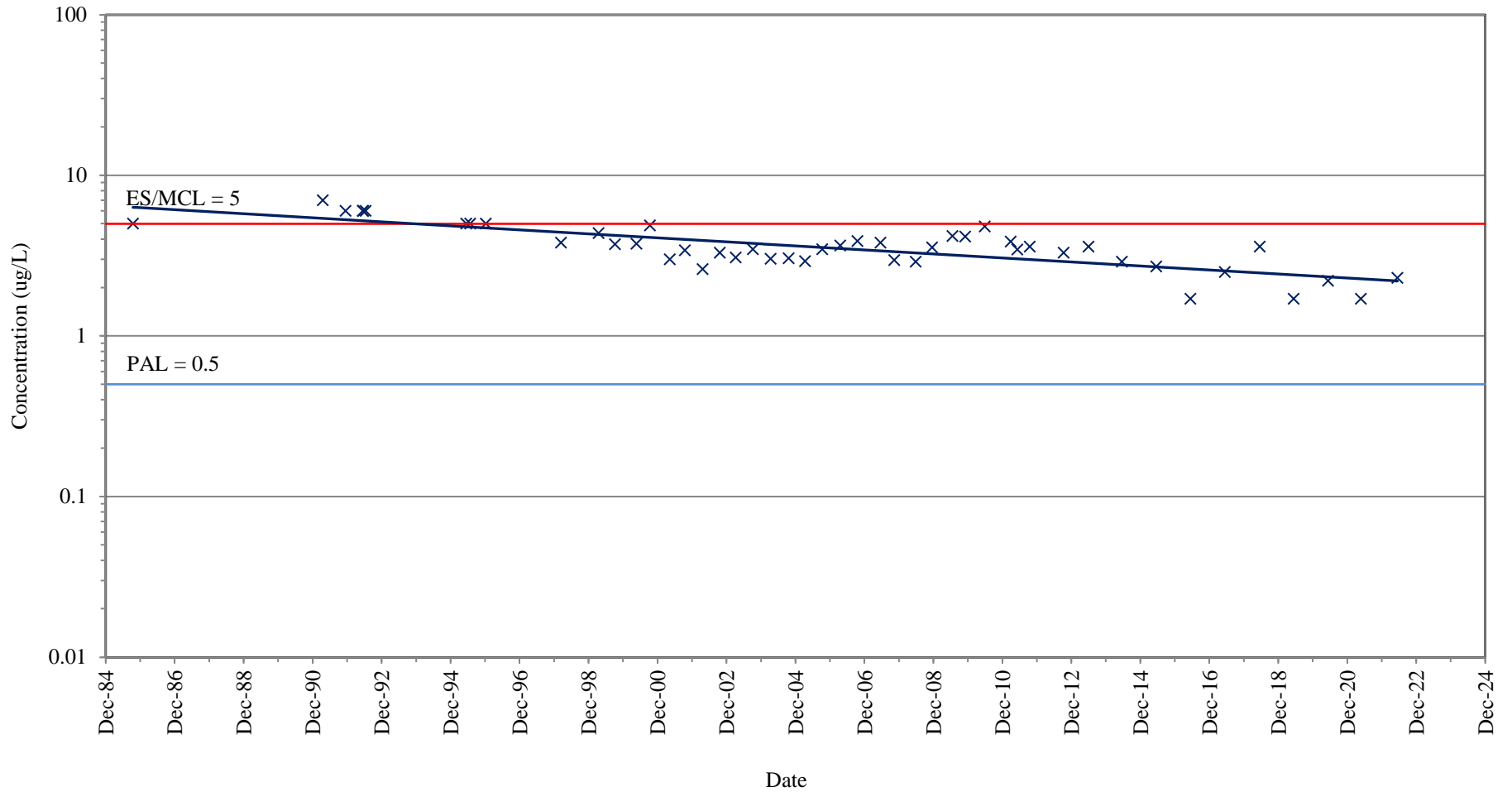




Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS**  
**MW-41B (GRID COORDINATE H8)**

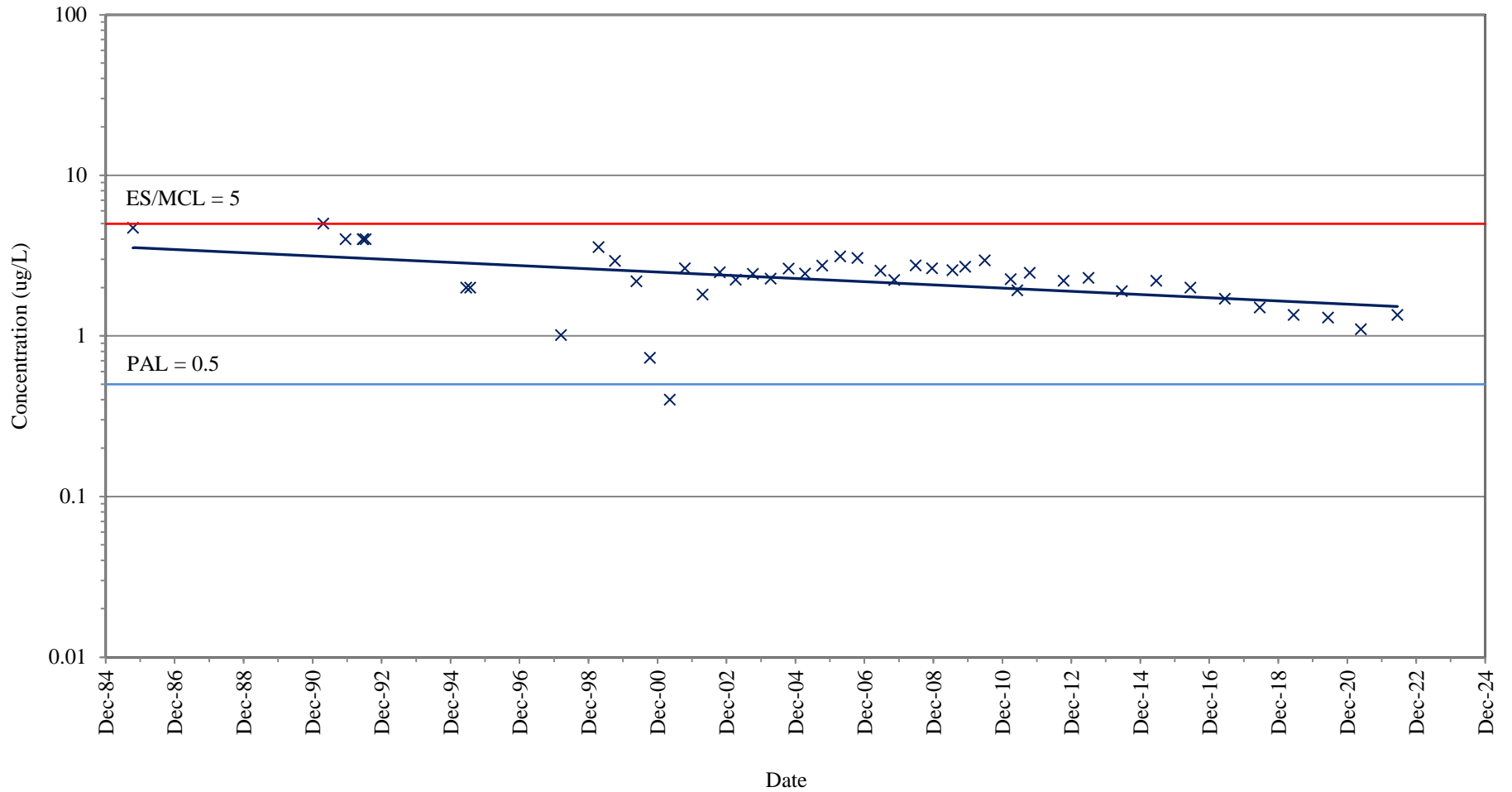
NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN



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



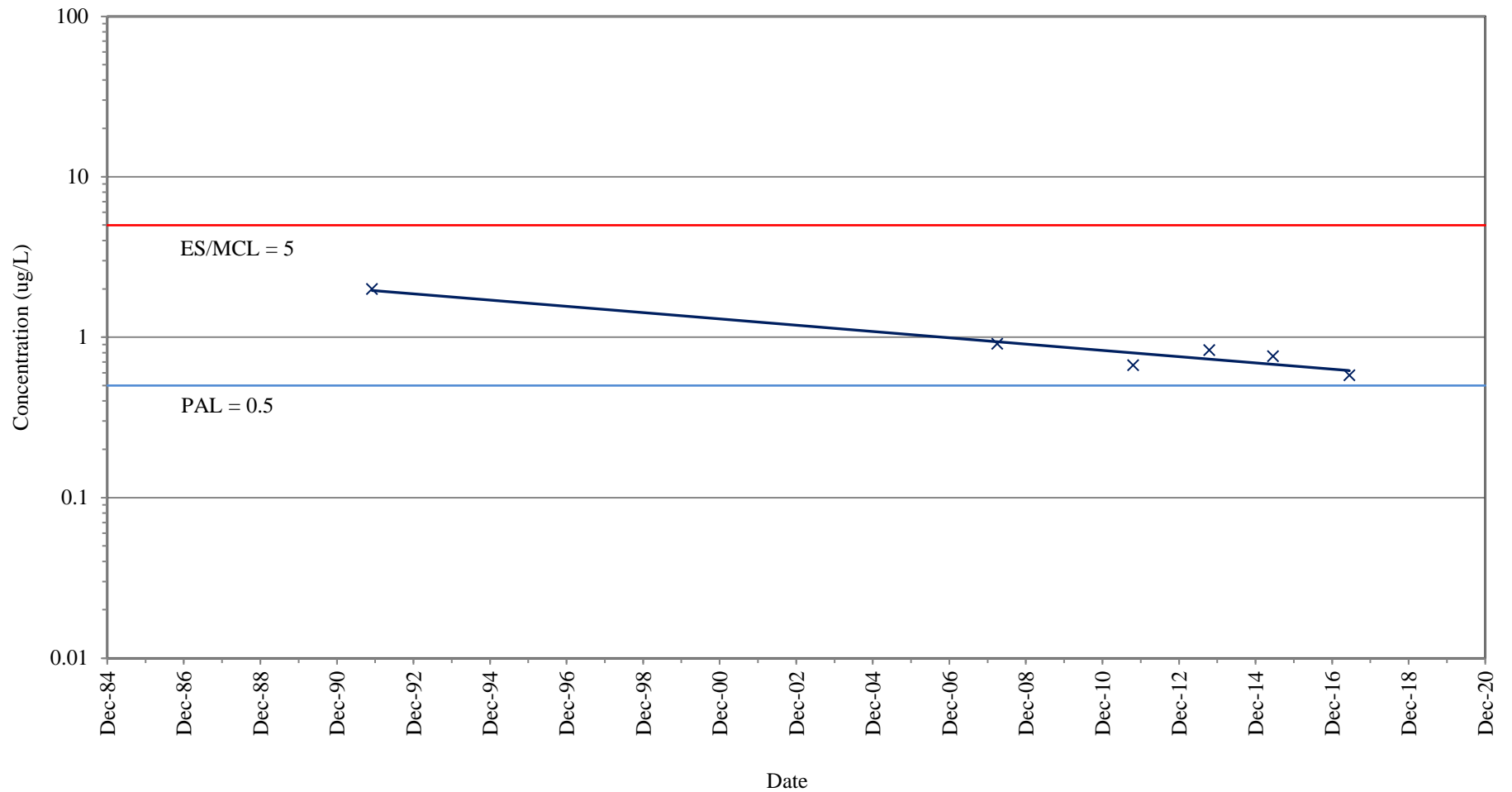
Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS**  
**MW-43B (GRID COORDINATE H7)**

NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN



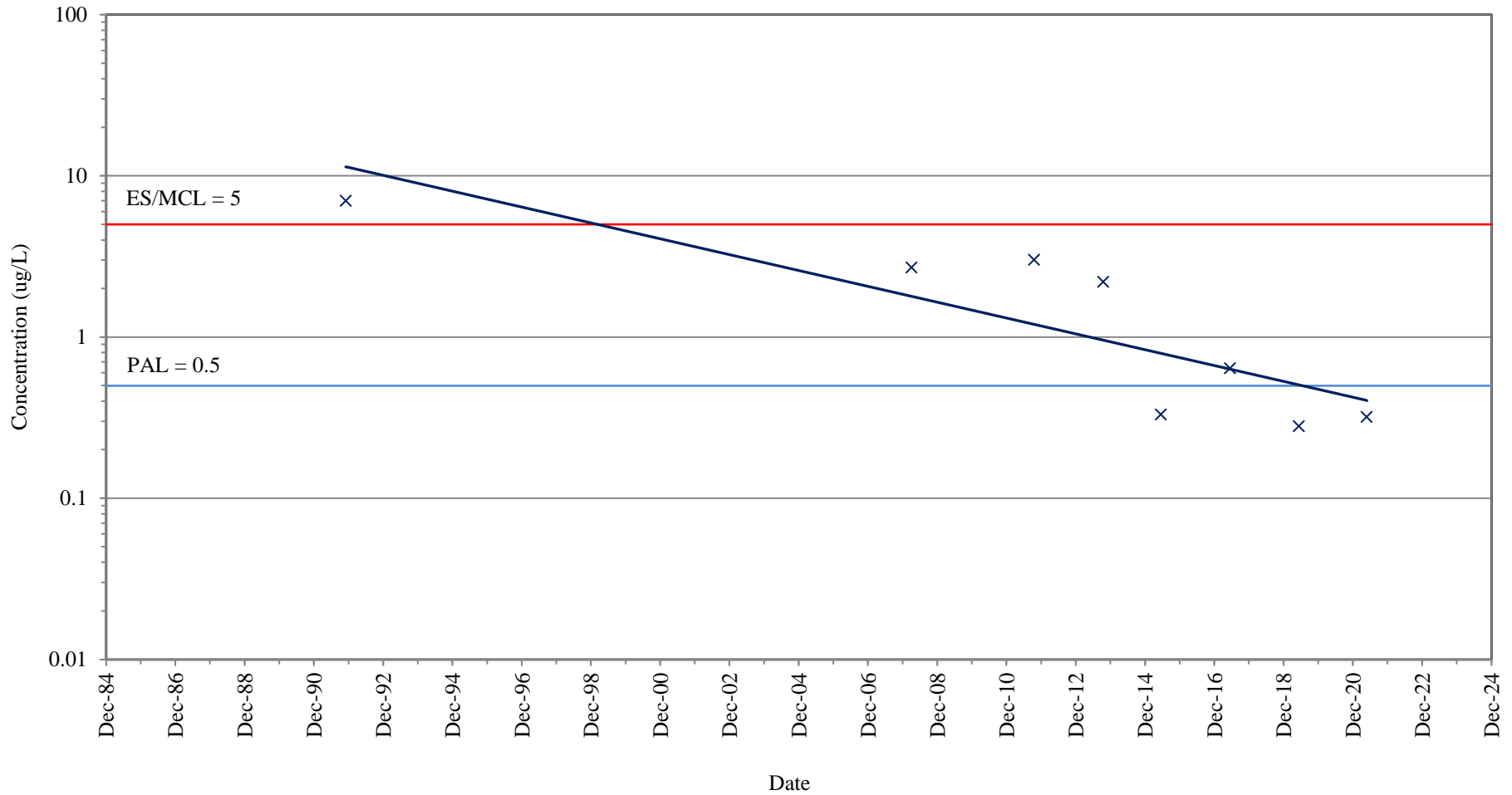




Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS**  
**MW-47A (GRID COORDINATE G7)**

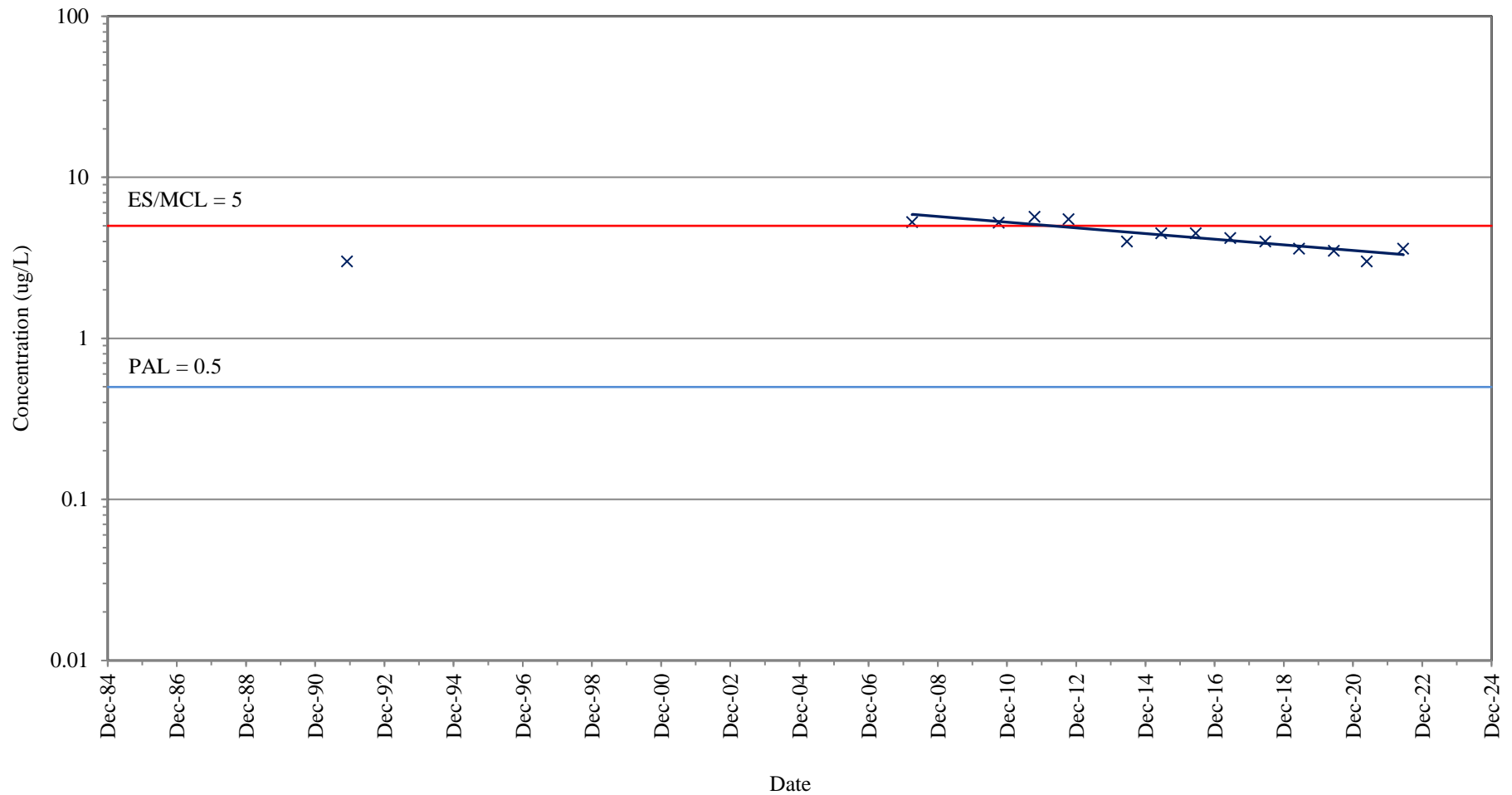
NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN



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

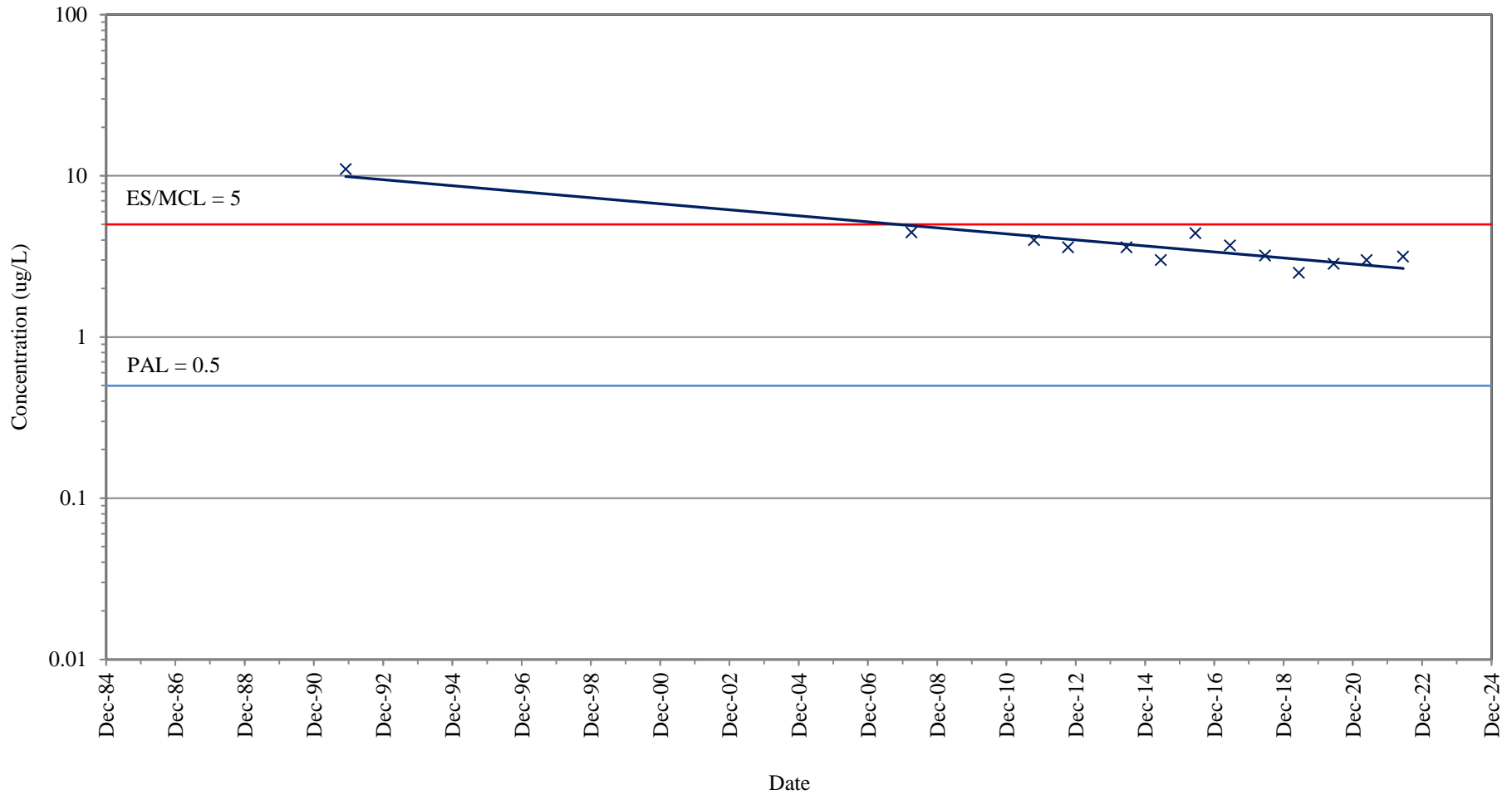


Note: The best-fit exponential trend line generated using Excel evaluates a partial data set to focus on a "more representative" sample cluster.

**PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS**  
**MW-51B (GRID COORDINATE F6)**

NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN

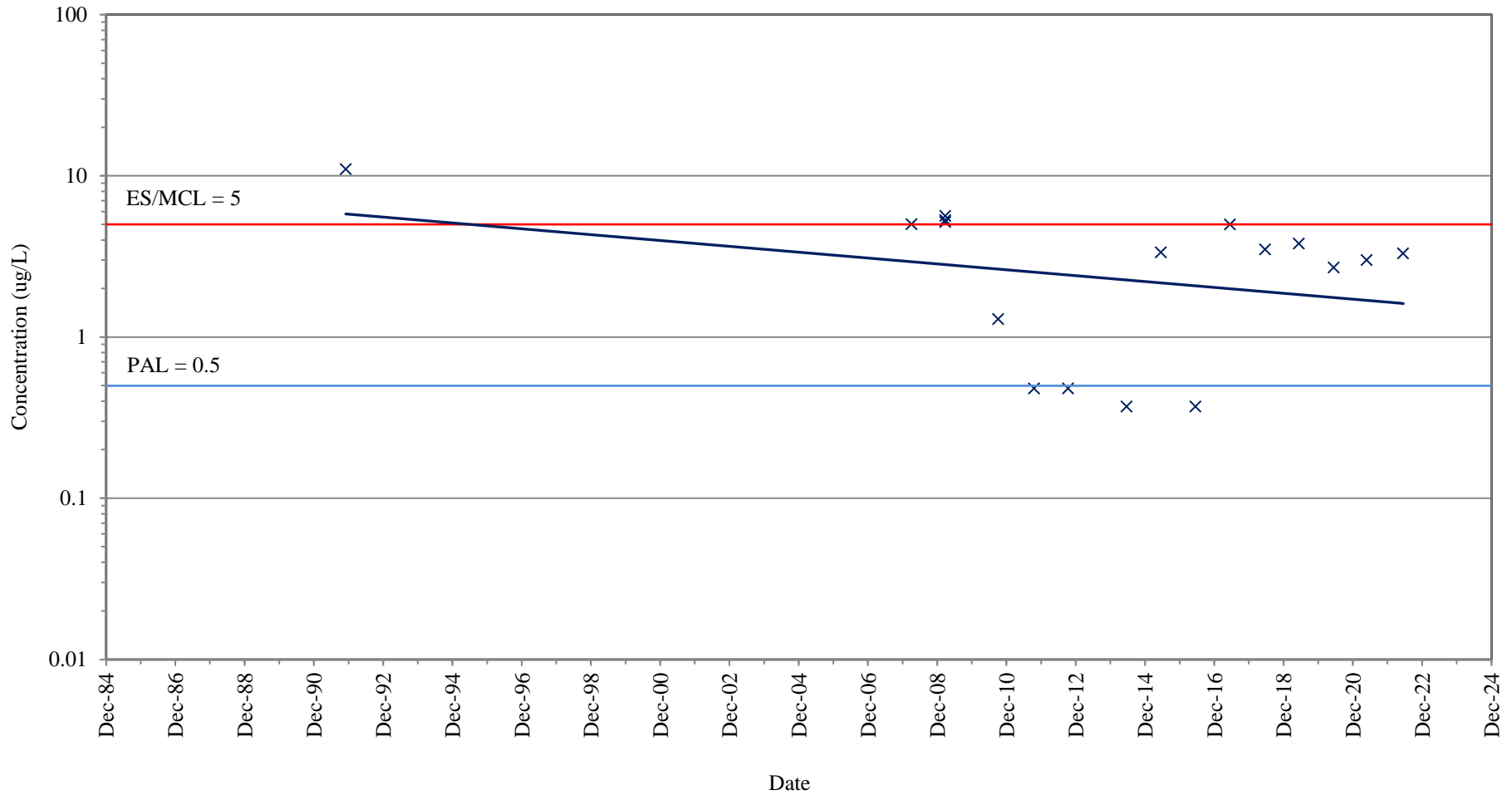




Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS**  
**MW-52A (GRID COORDINATE F6)**

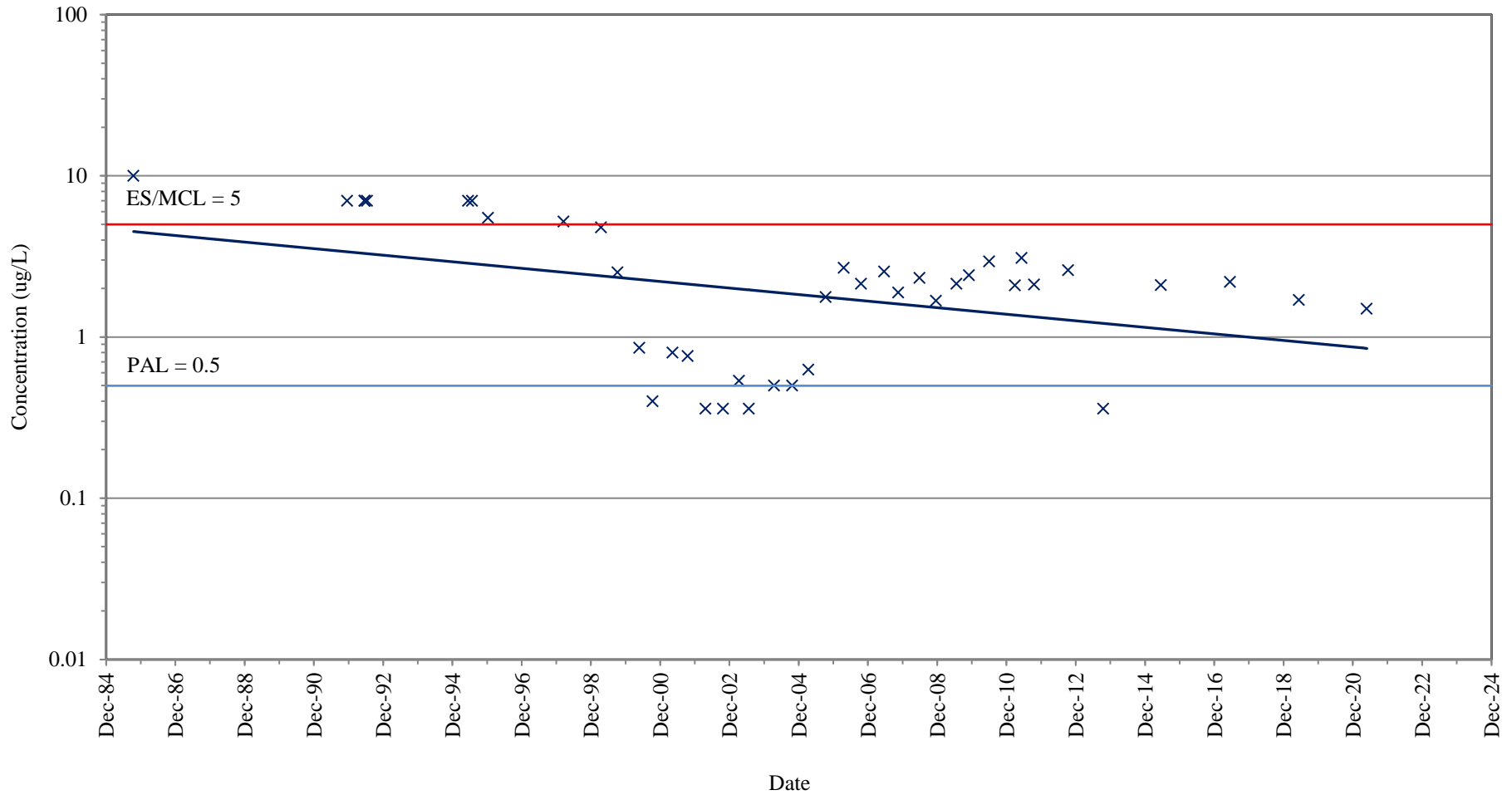
NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN



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)**

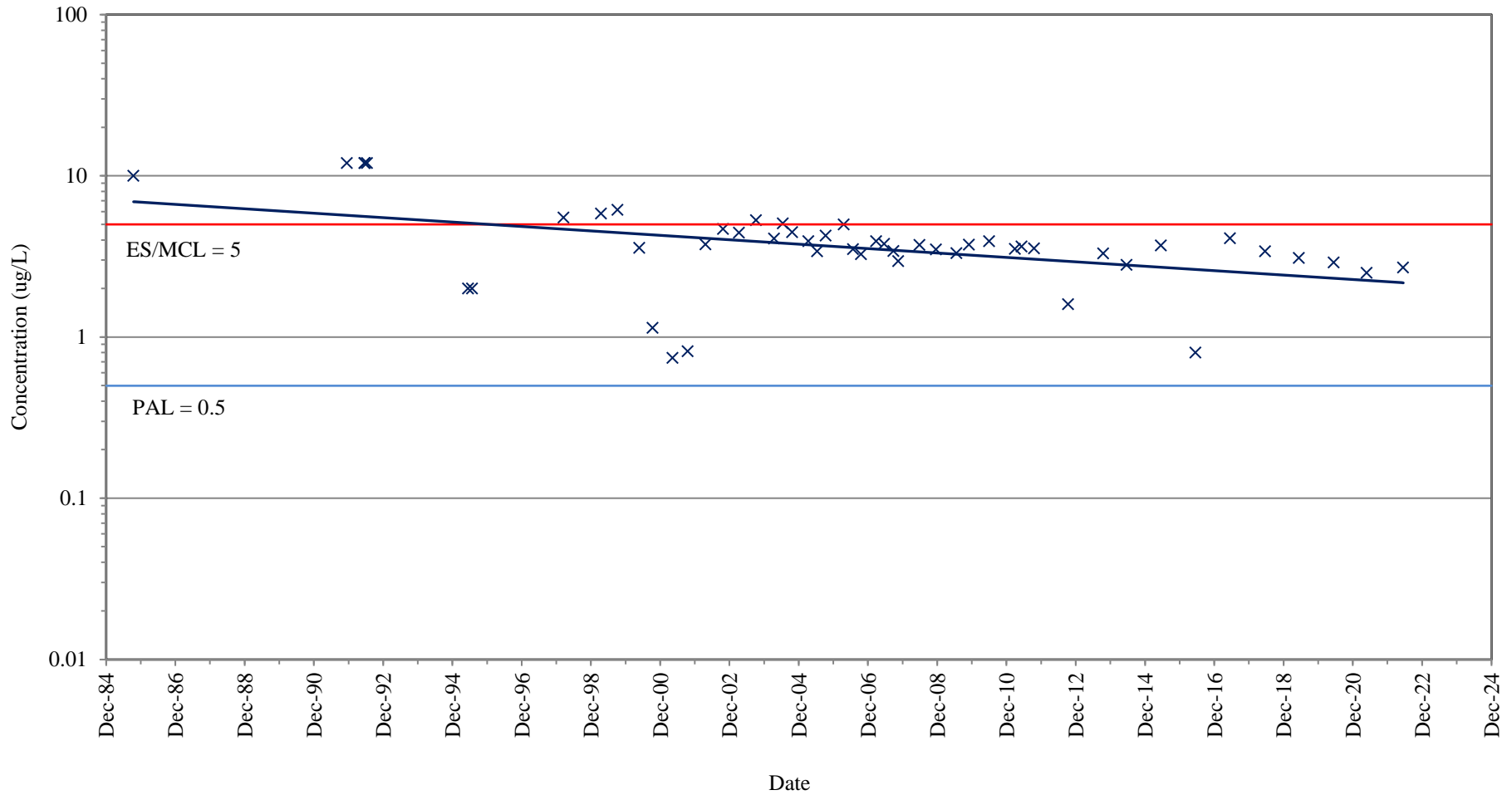
NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN



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)**

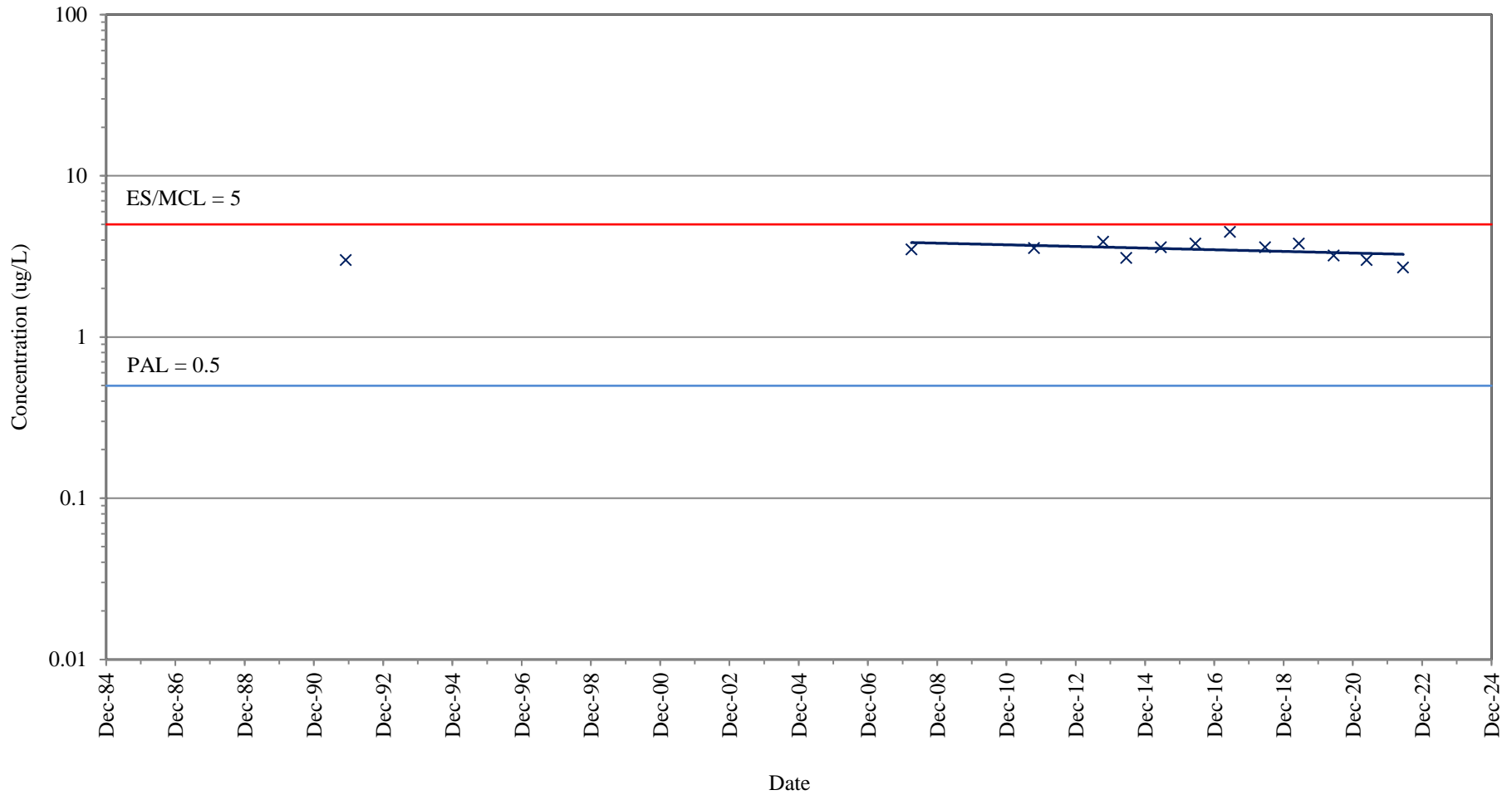
NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN



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)**

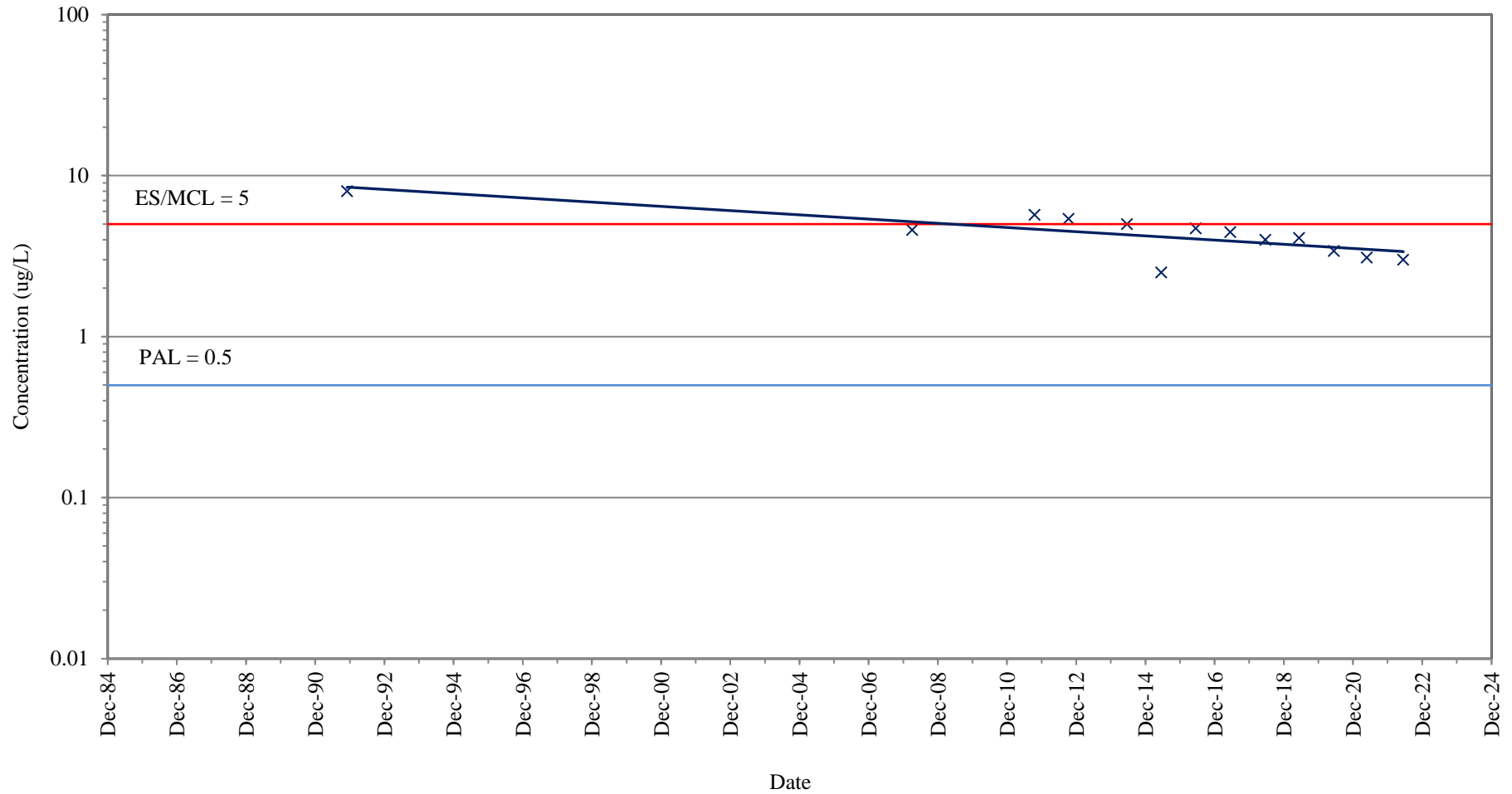
NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN



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)**

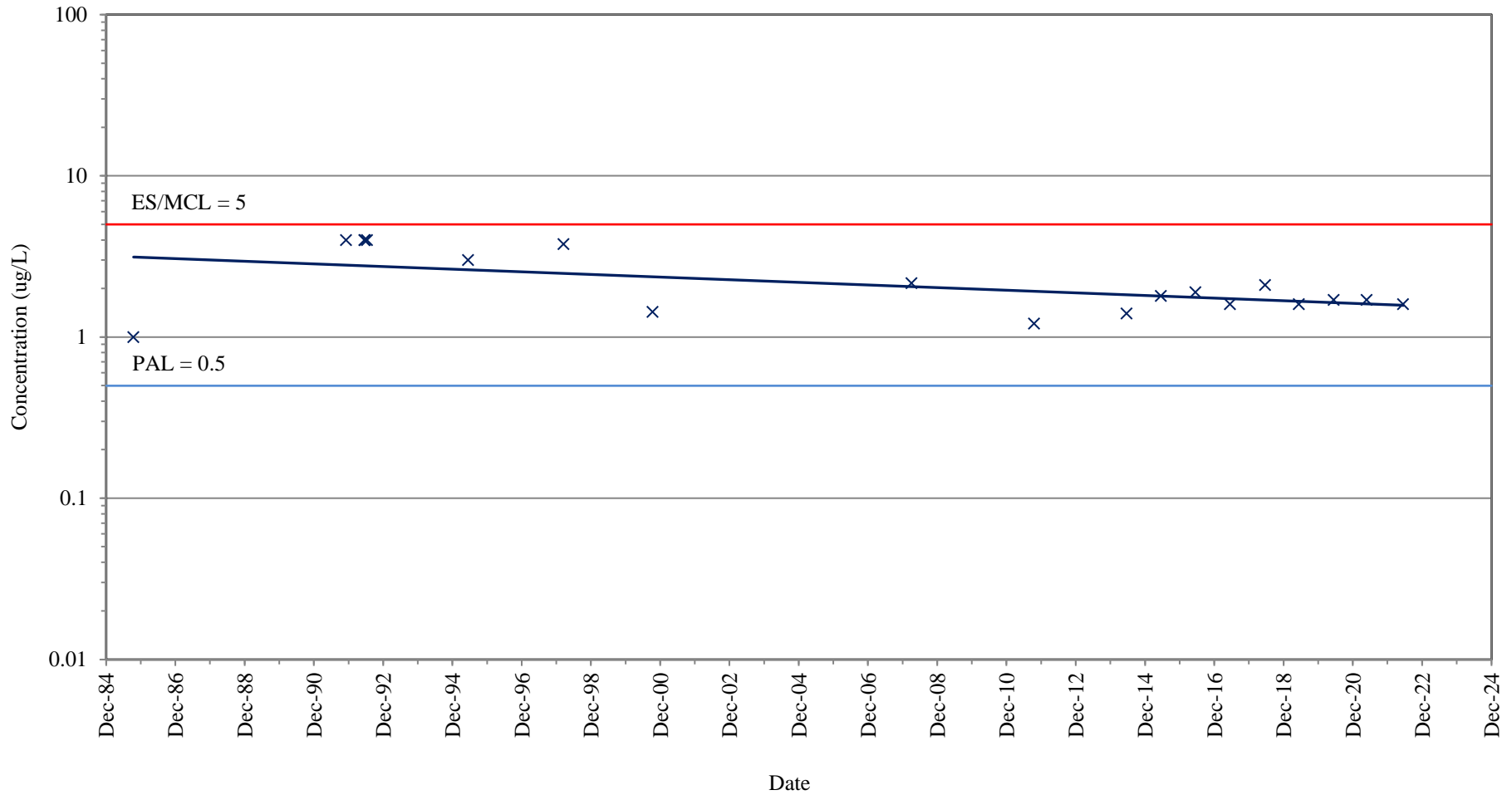
NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN



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)**

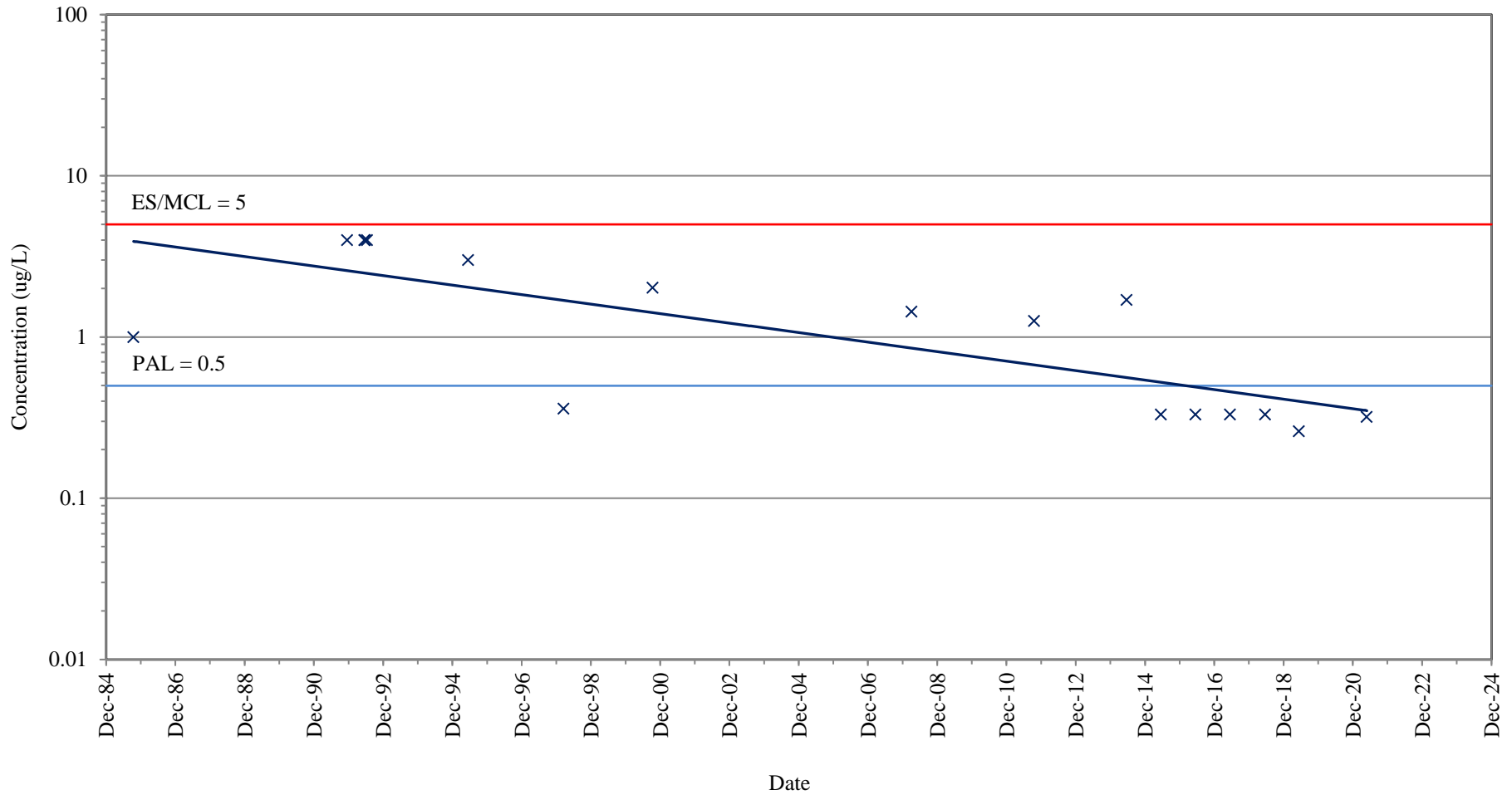
NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN



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

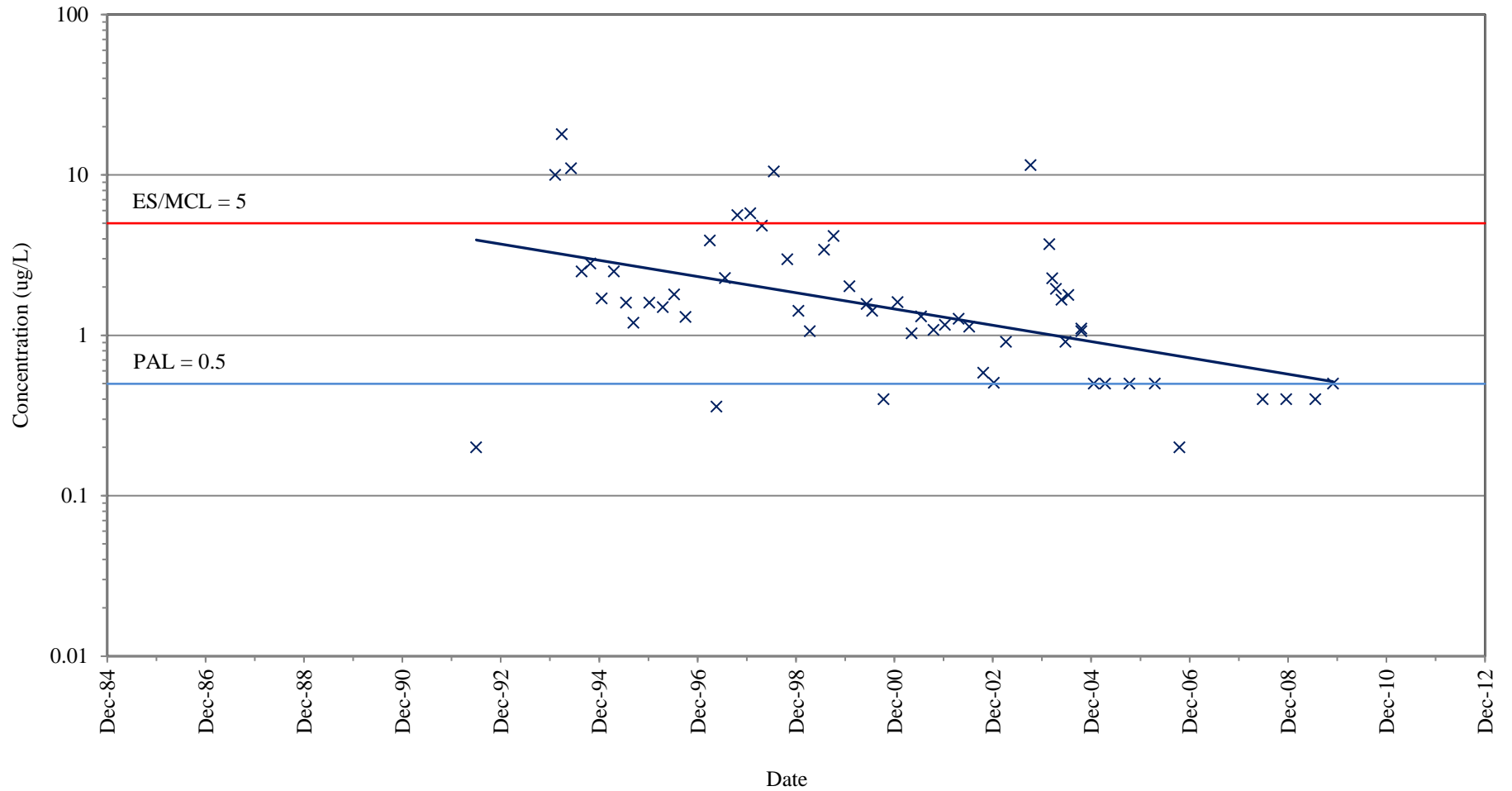


Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS**  
**MW-55C (GRID COORDINATE D6)**

NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN

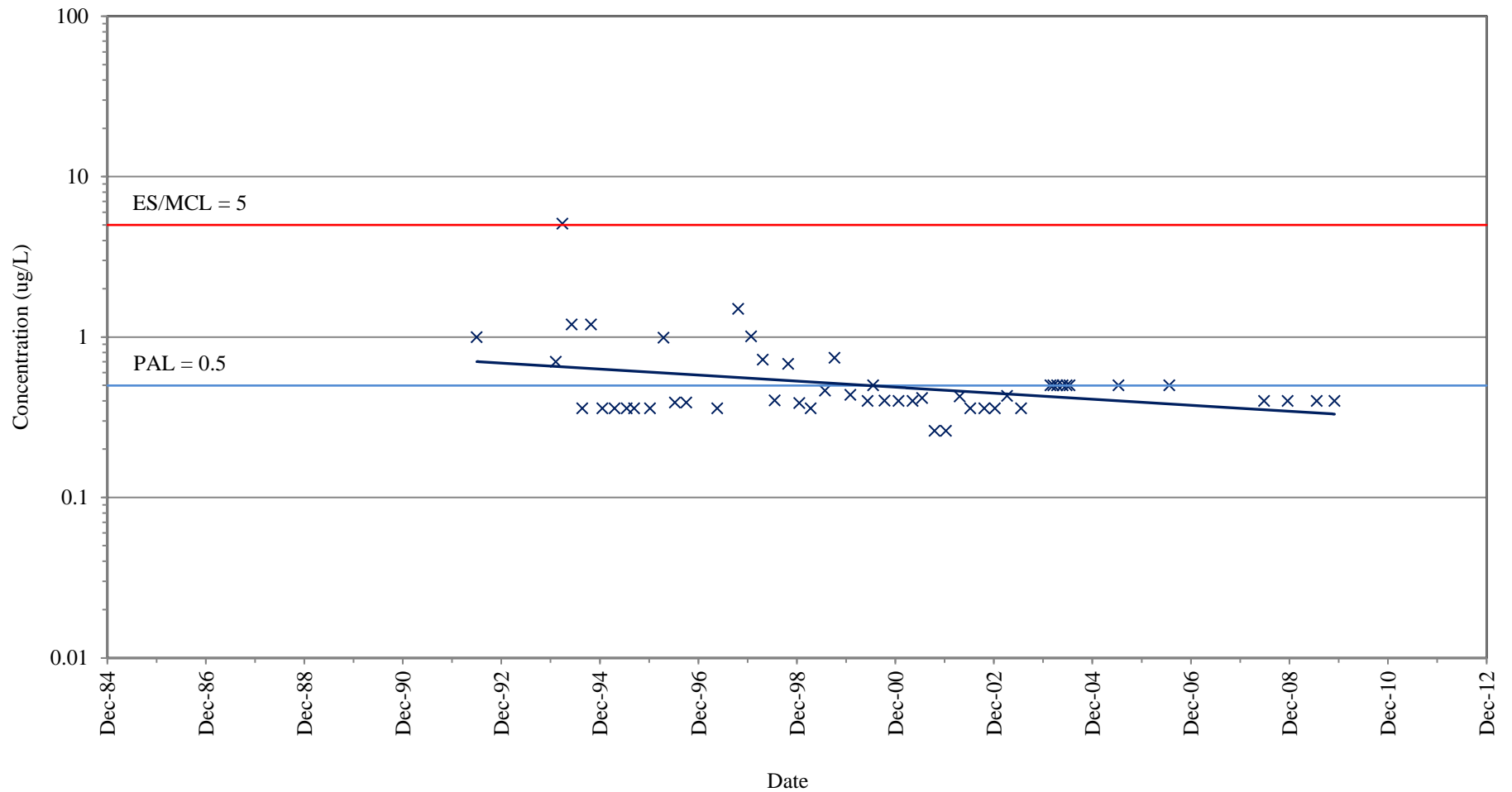




Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS**  
**MW-67A (GRID COORDINATE K7)**

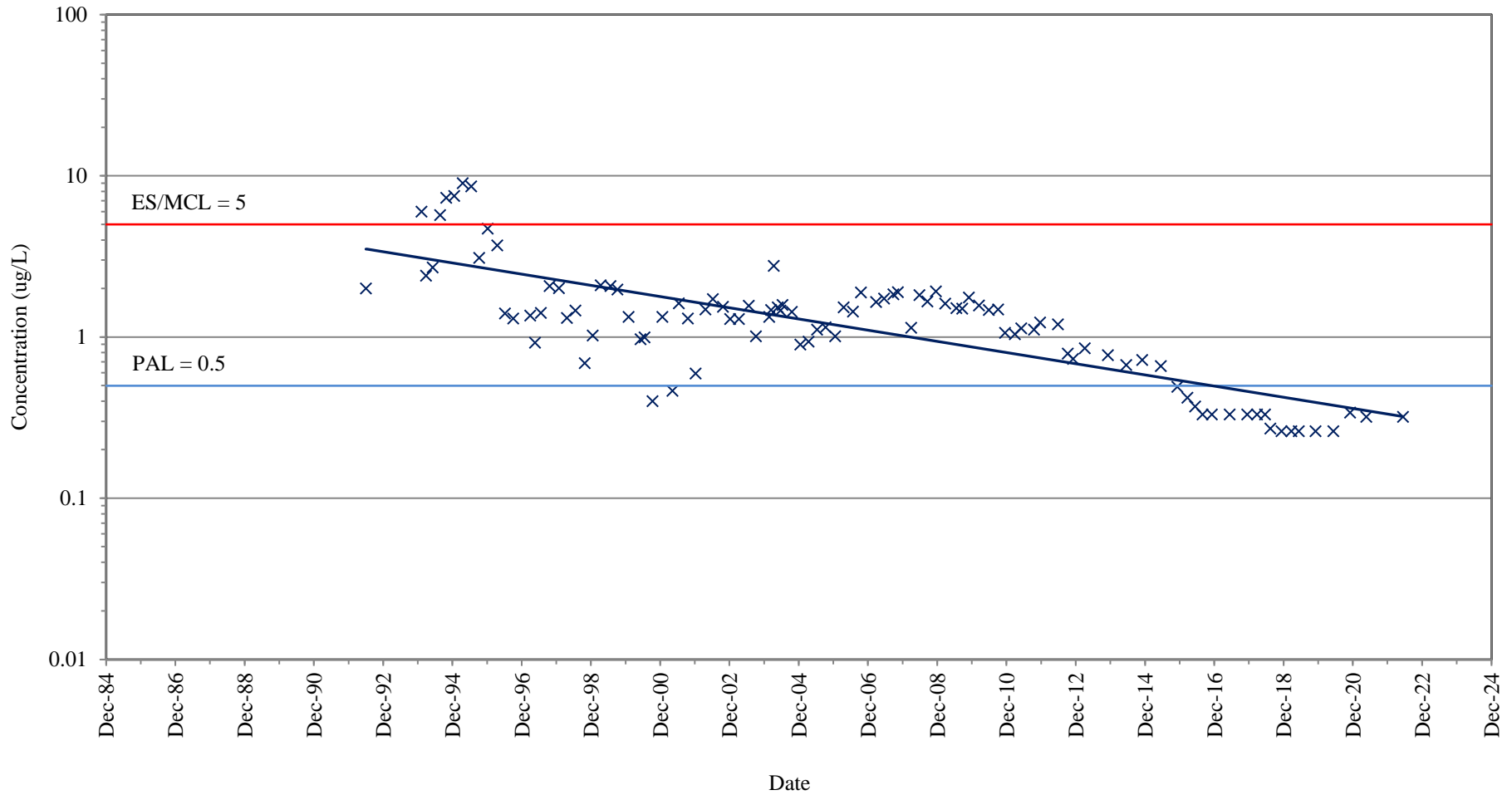
NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN



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-67B (GRID COORDINATE K7)**

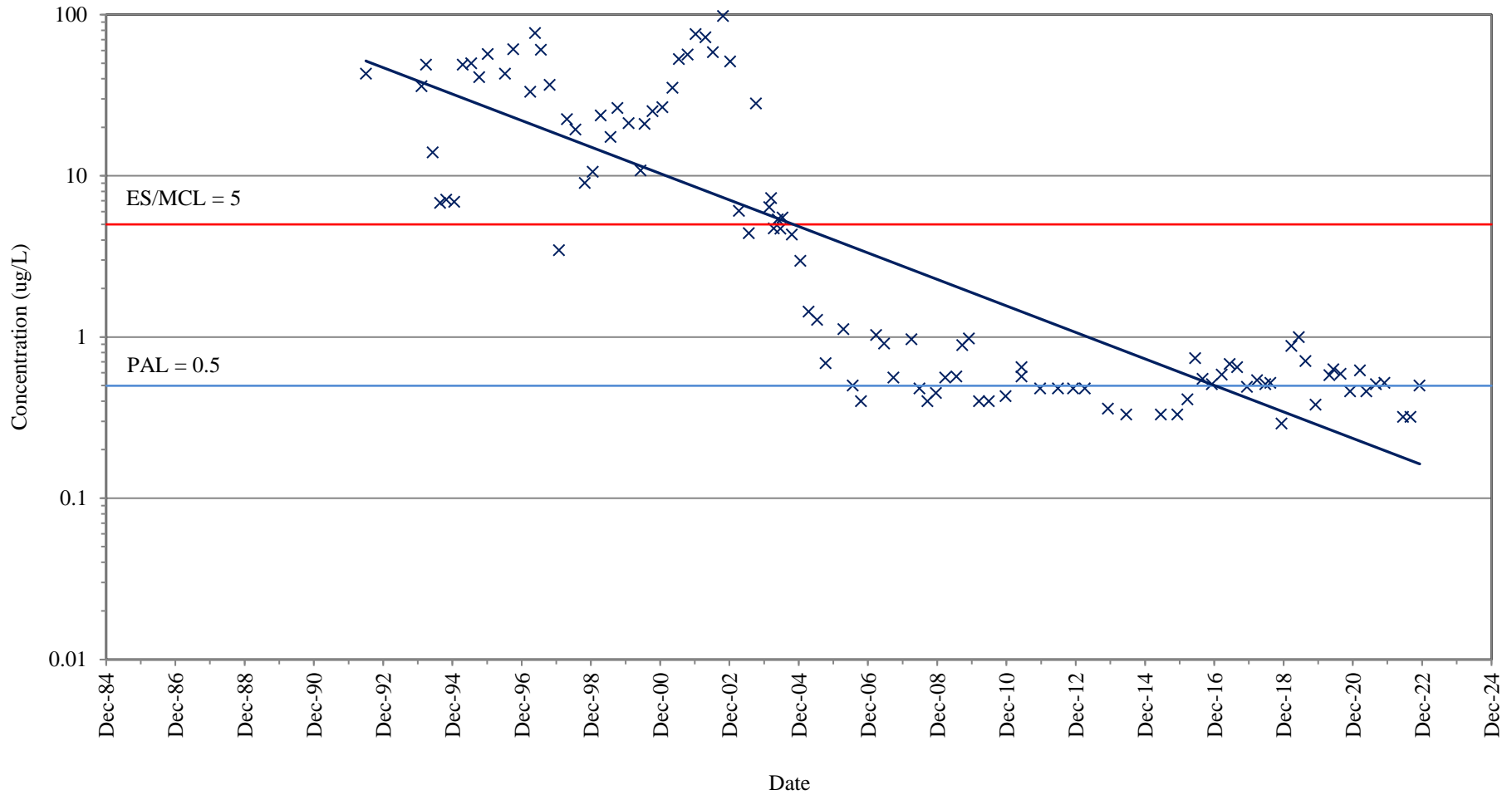
NATIONAL PRESTO INDUSTRIES, INC.  
EAU CLAIRE, WISCONSIN



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)**

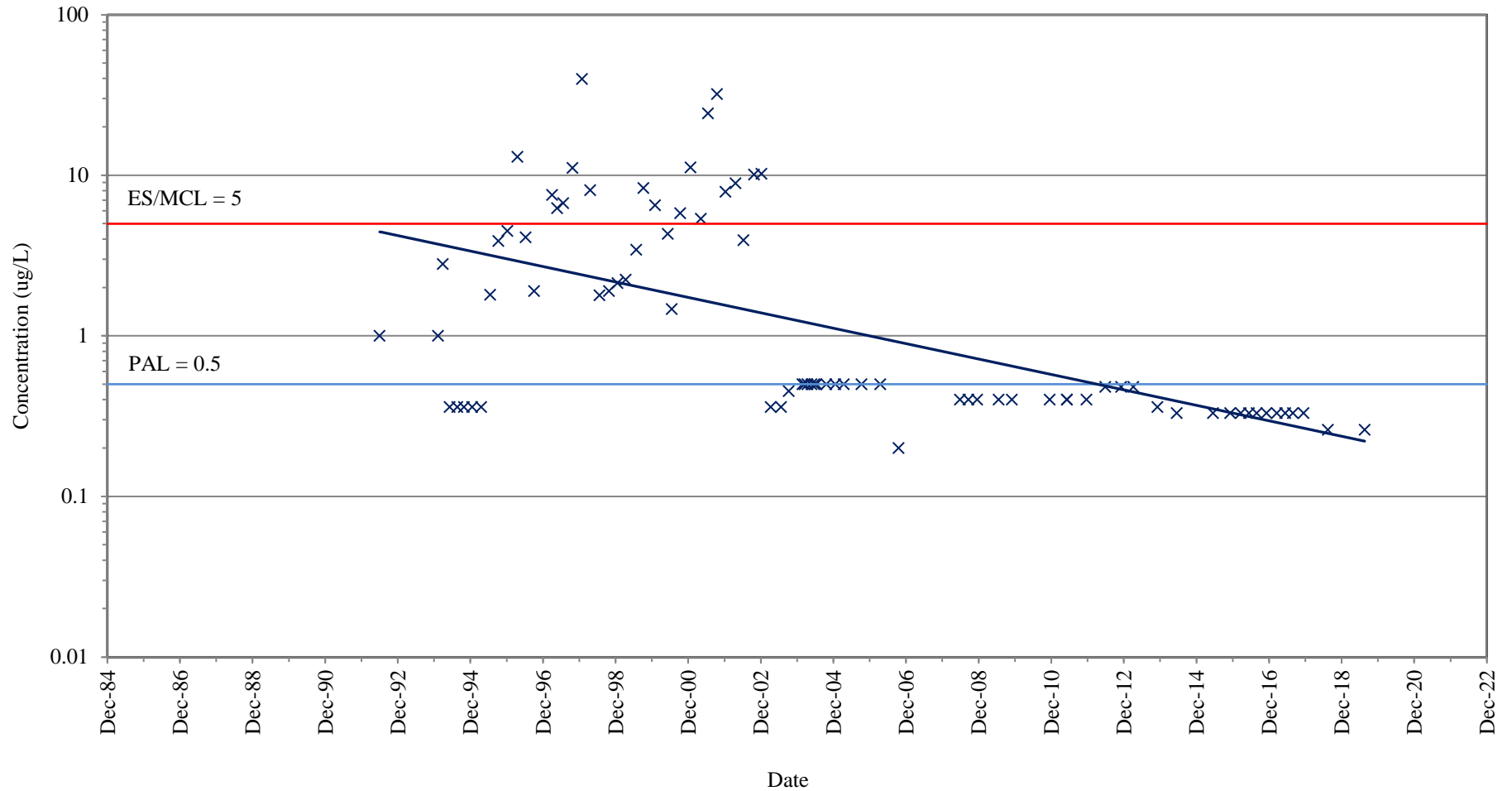
NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN



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)**

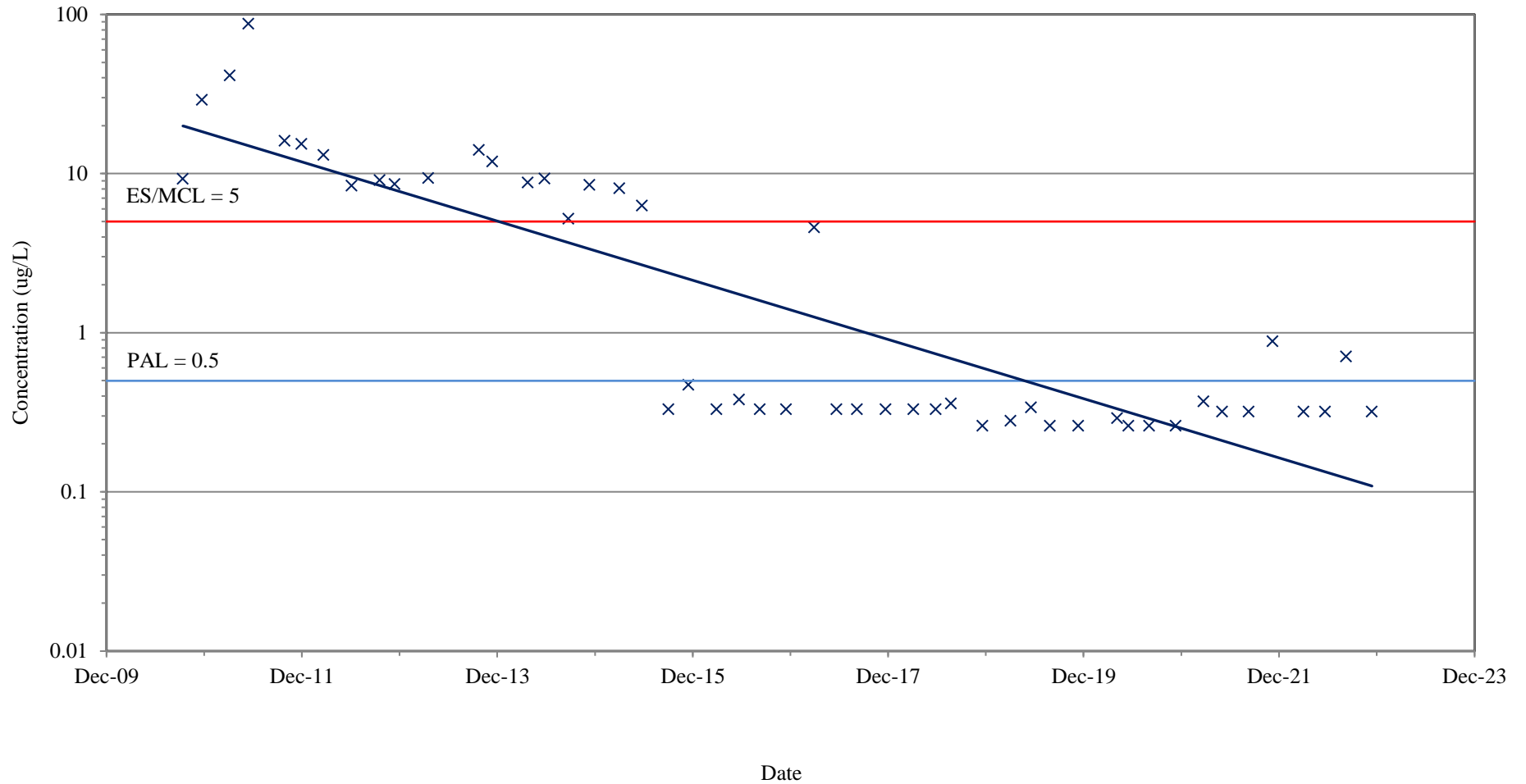
NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN



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)**

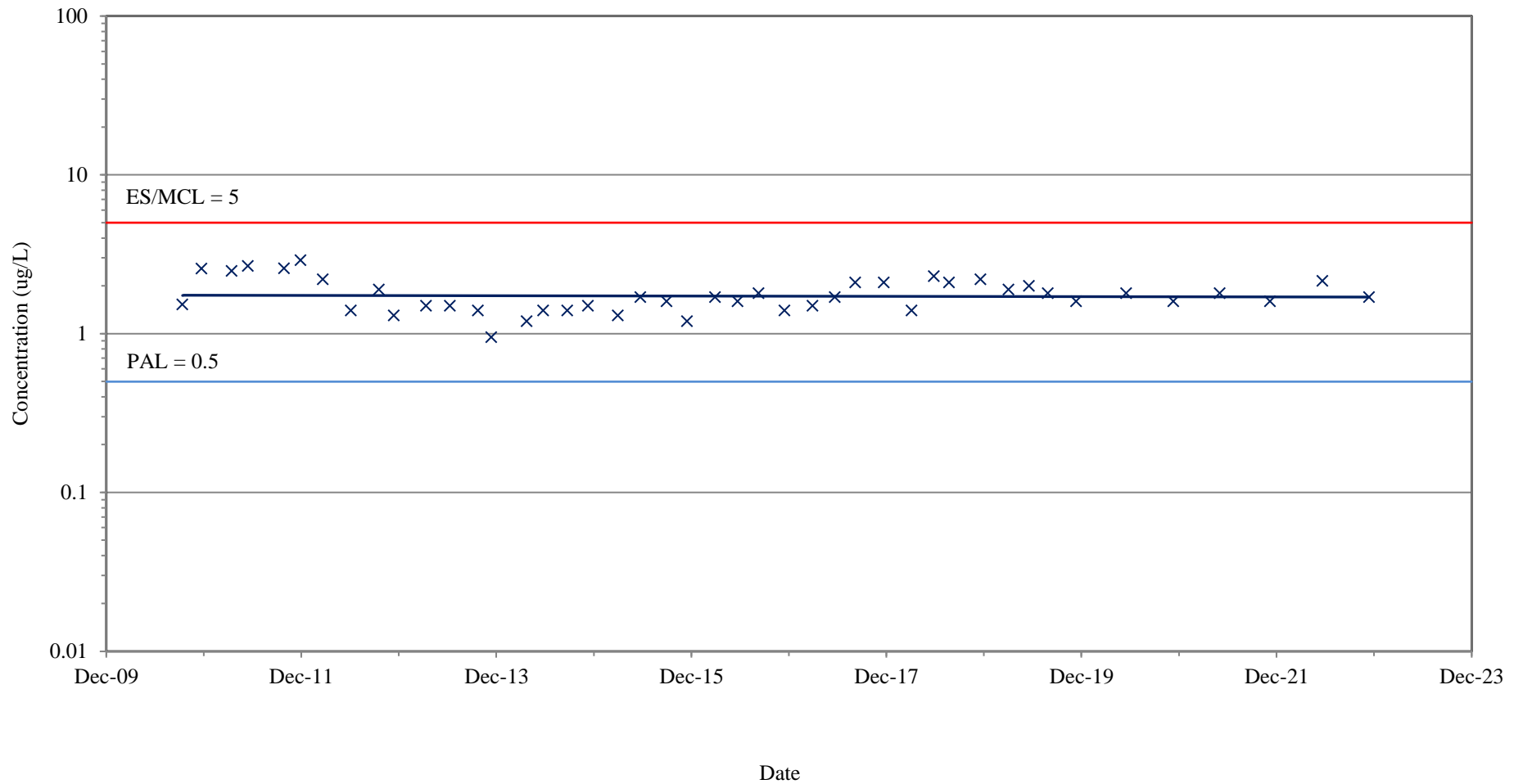
NATIONAL PRESTO INDUSTRIES, INC.  
EAU CLAIRE, WISCONSIN



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)**

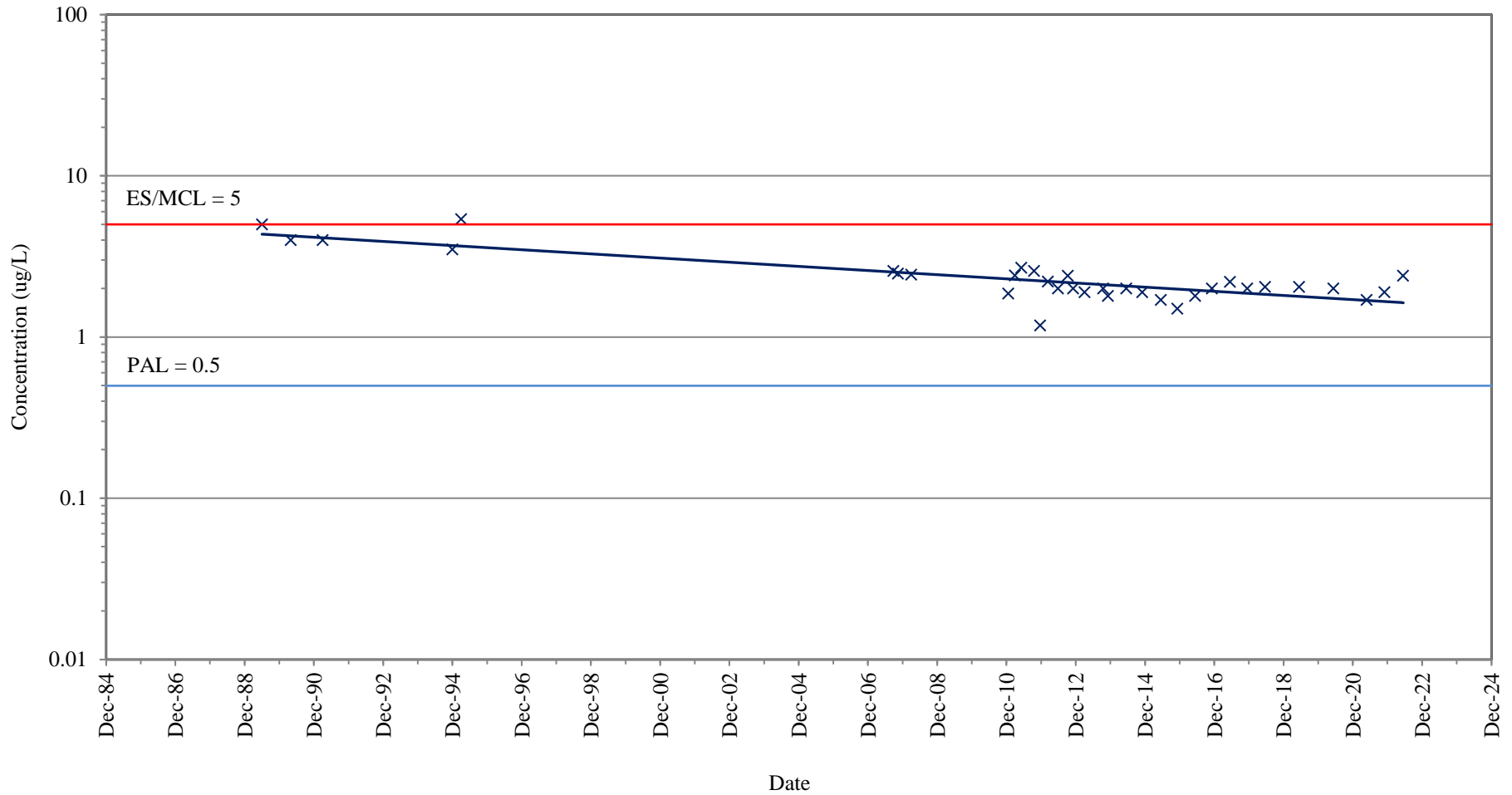
NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN



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

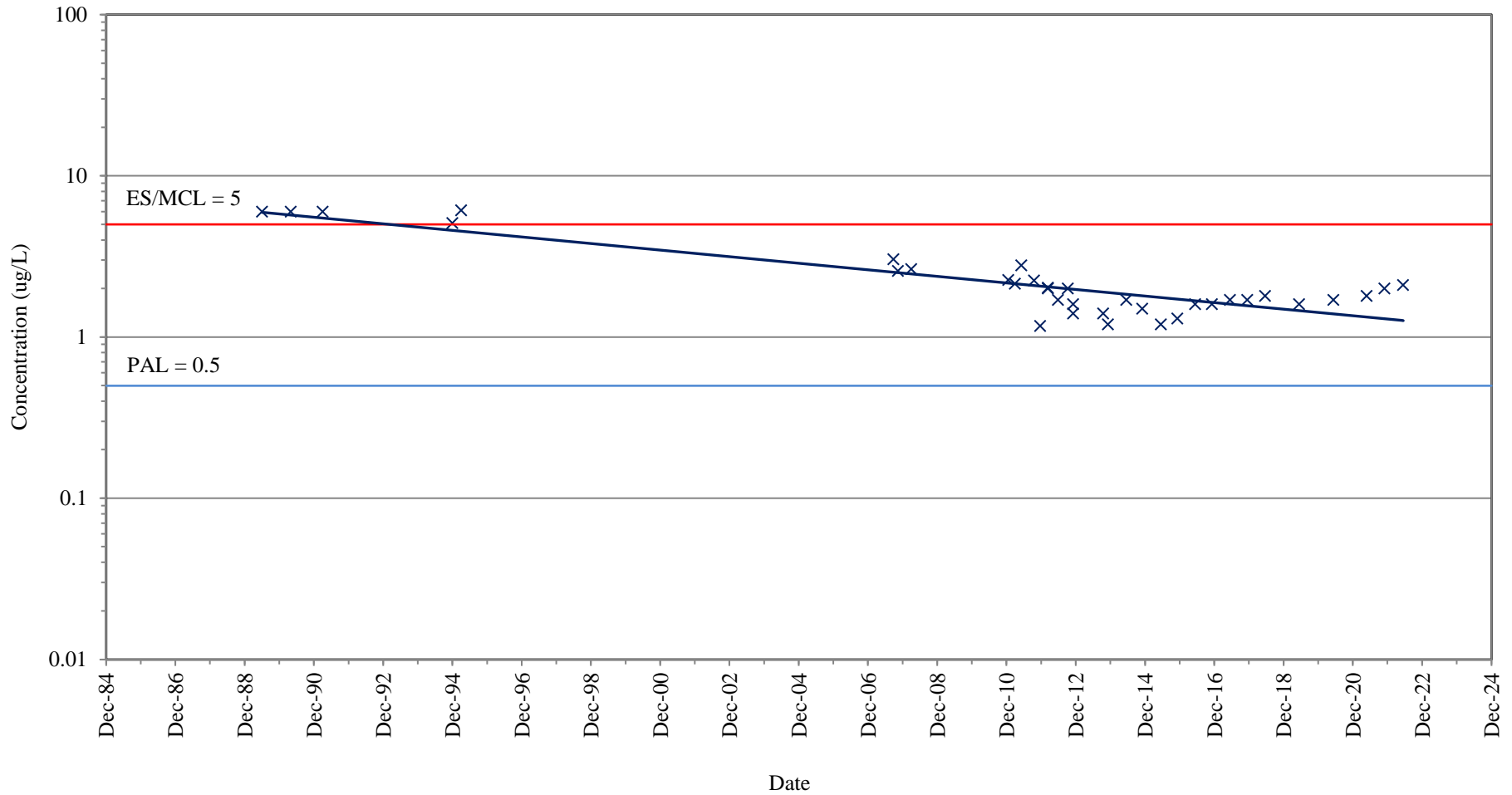


Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS**  
**RW-2B (GRID COORDINATE J7)**

NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN

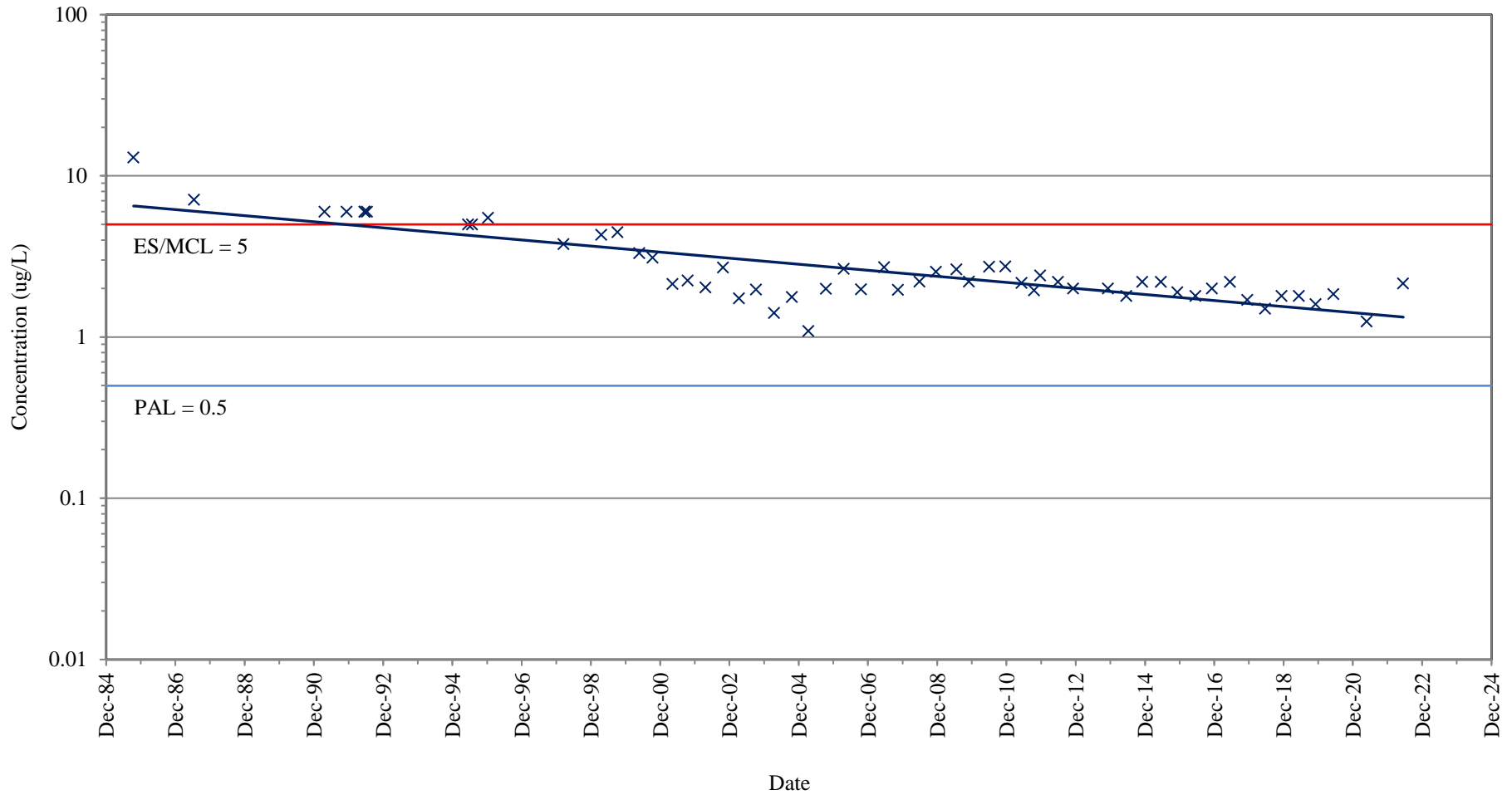




Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS**  
**RW-2C (GRID COORDINATE J7)**

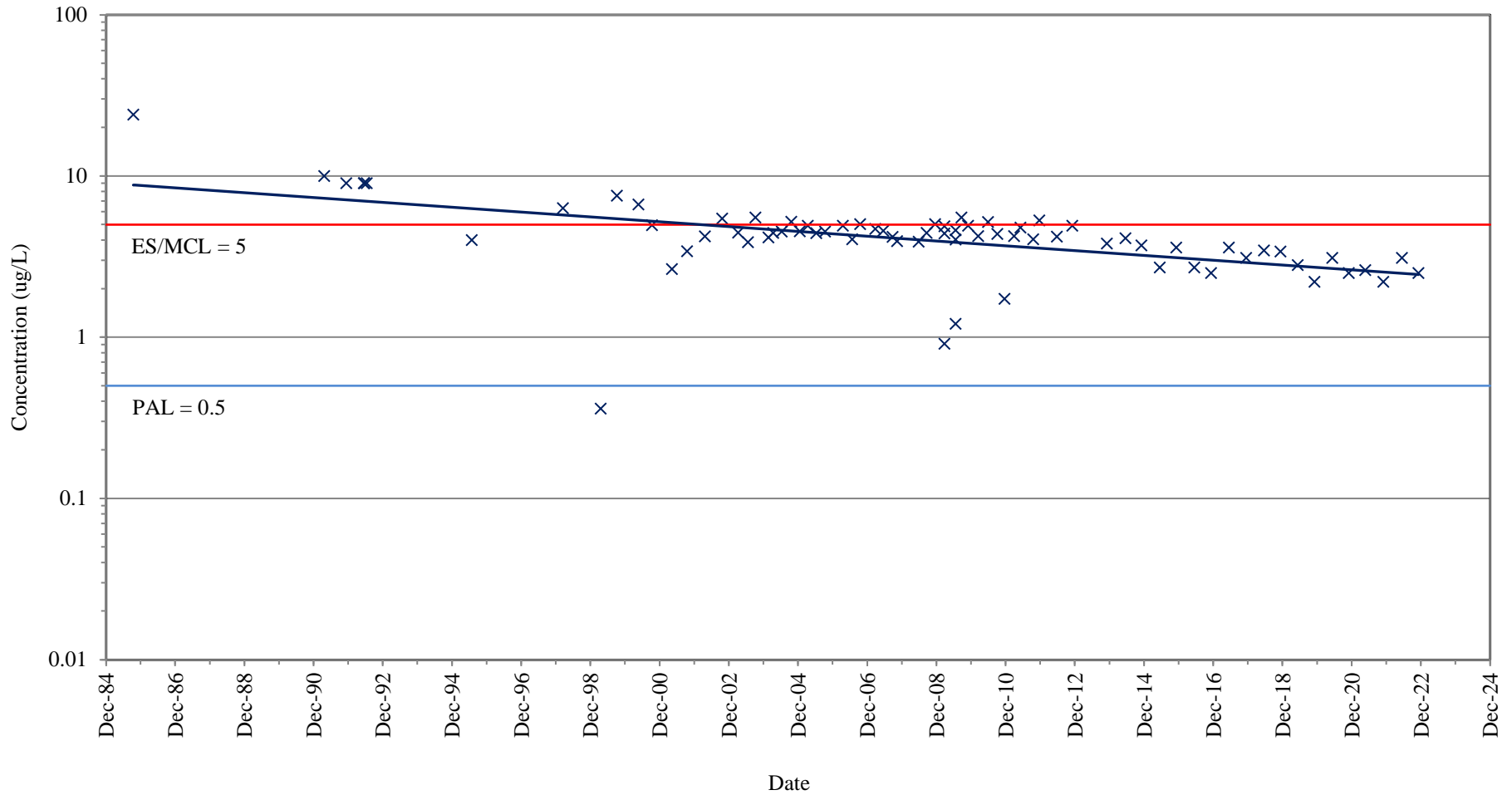
NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN



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)**

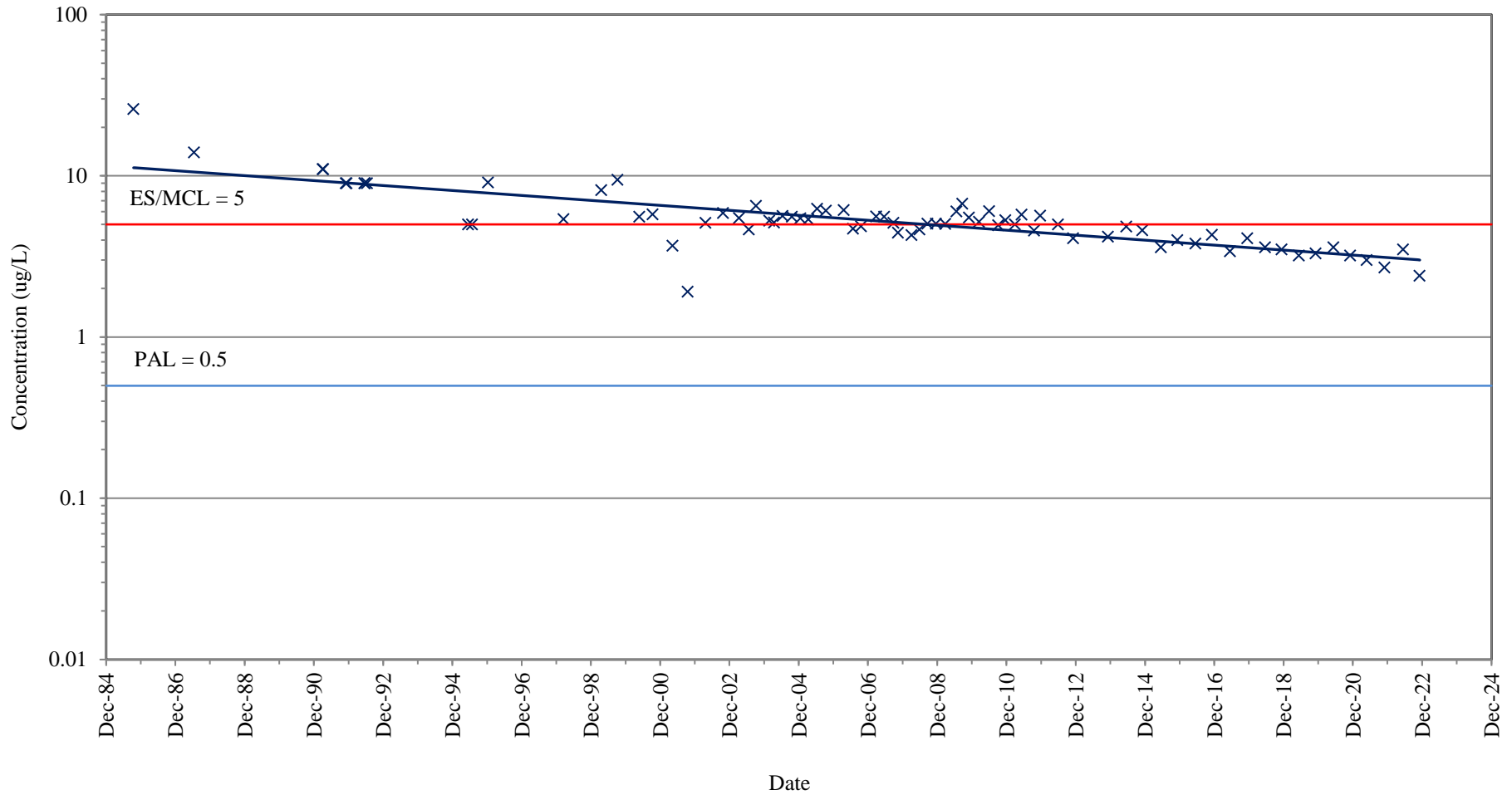
NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN



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)**

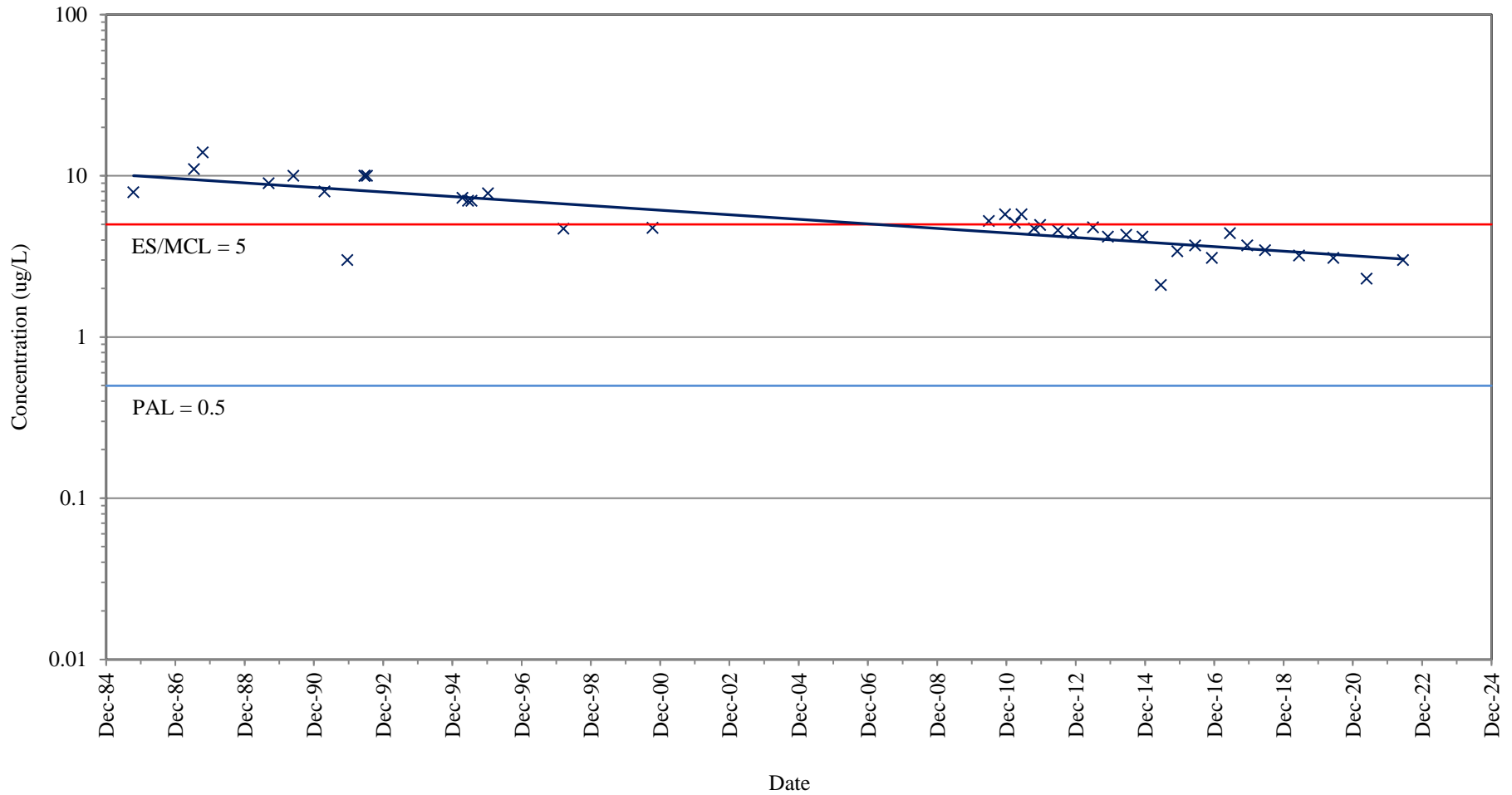
NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN



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)**

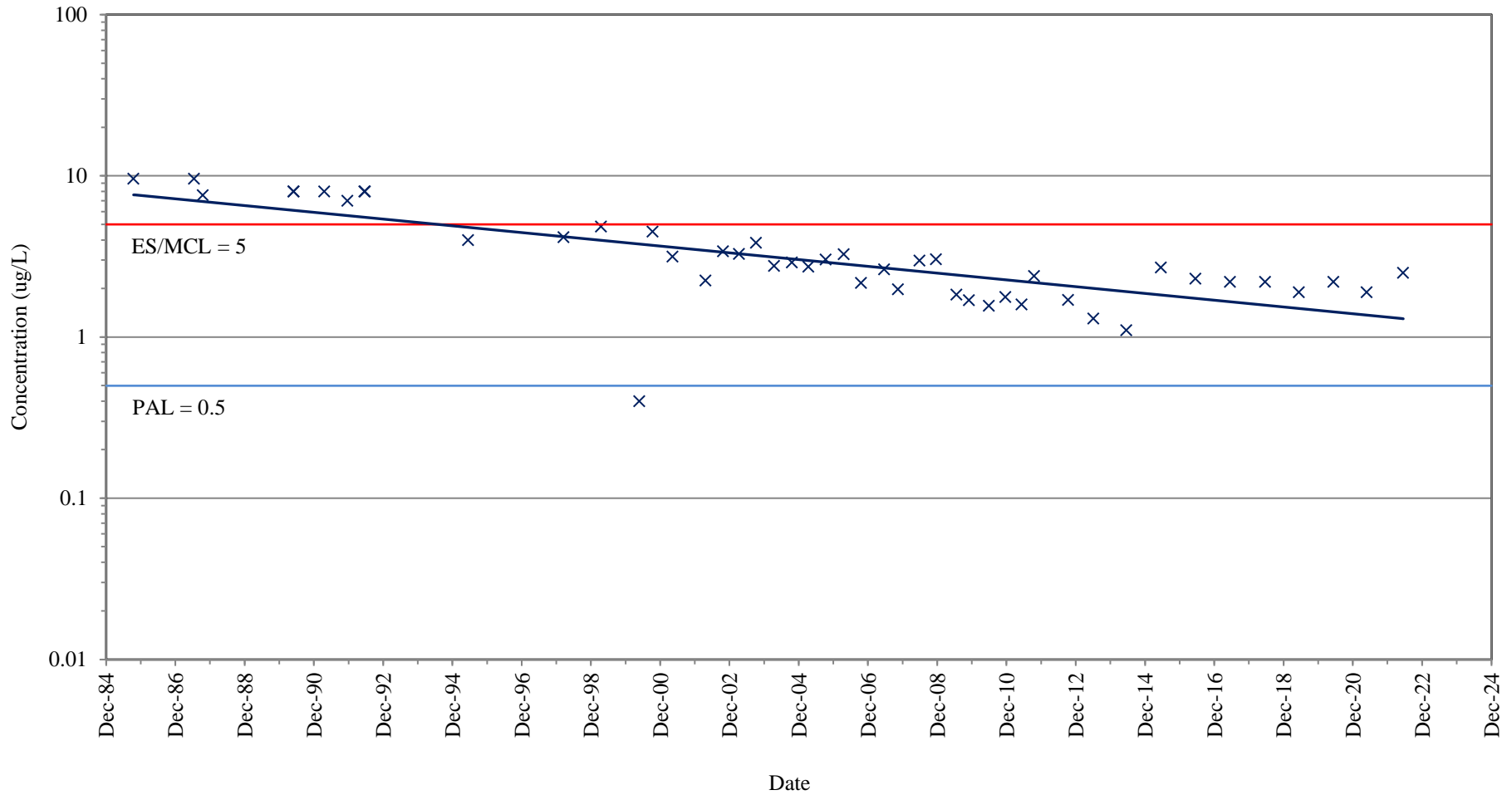
NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN



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)**

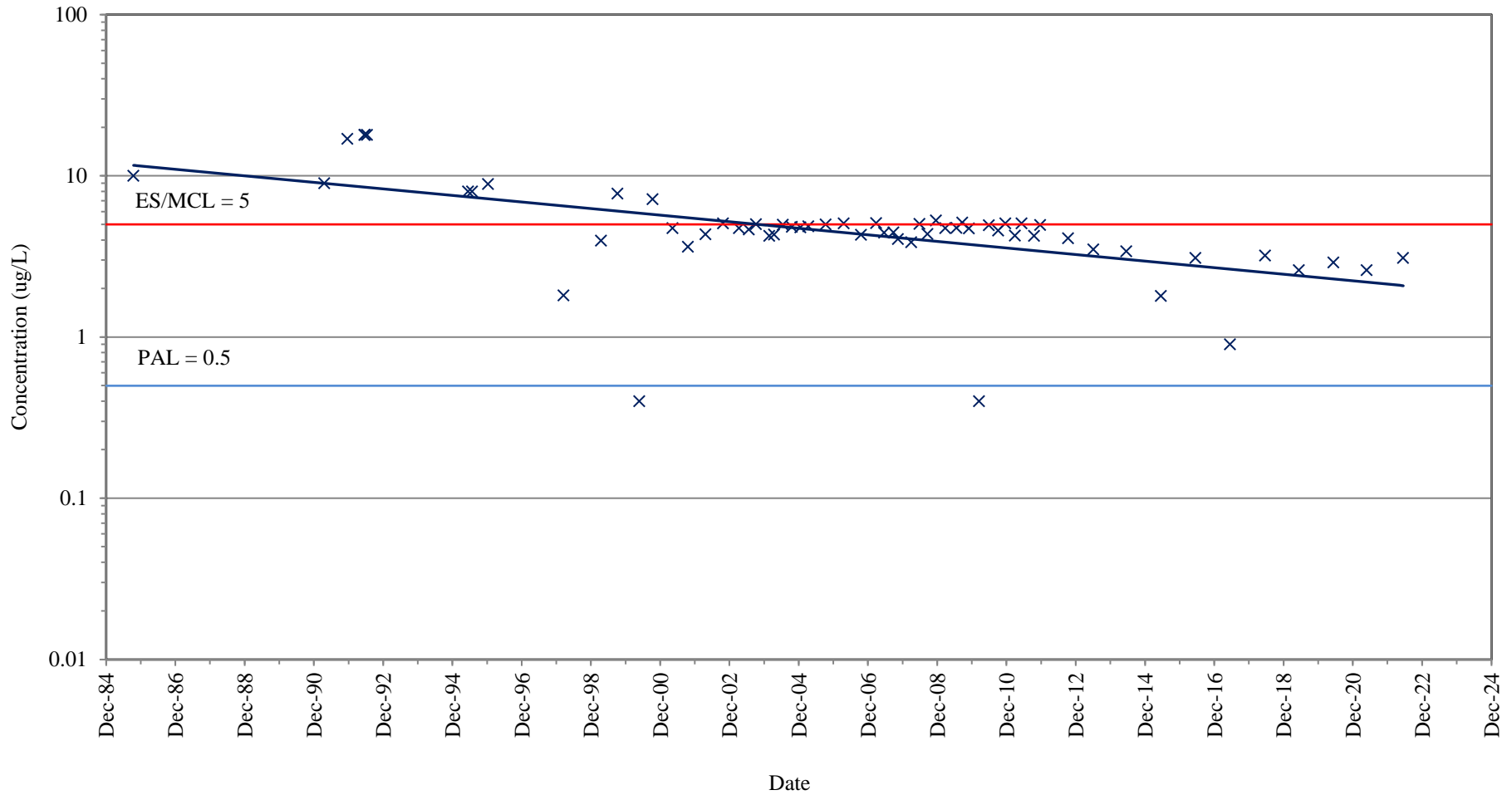
NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN



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)**

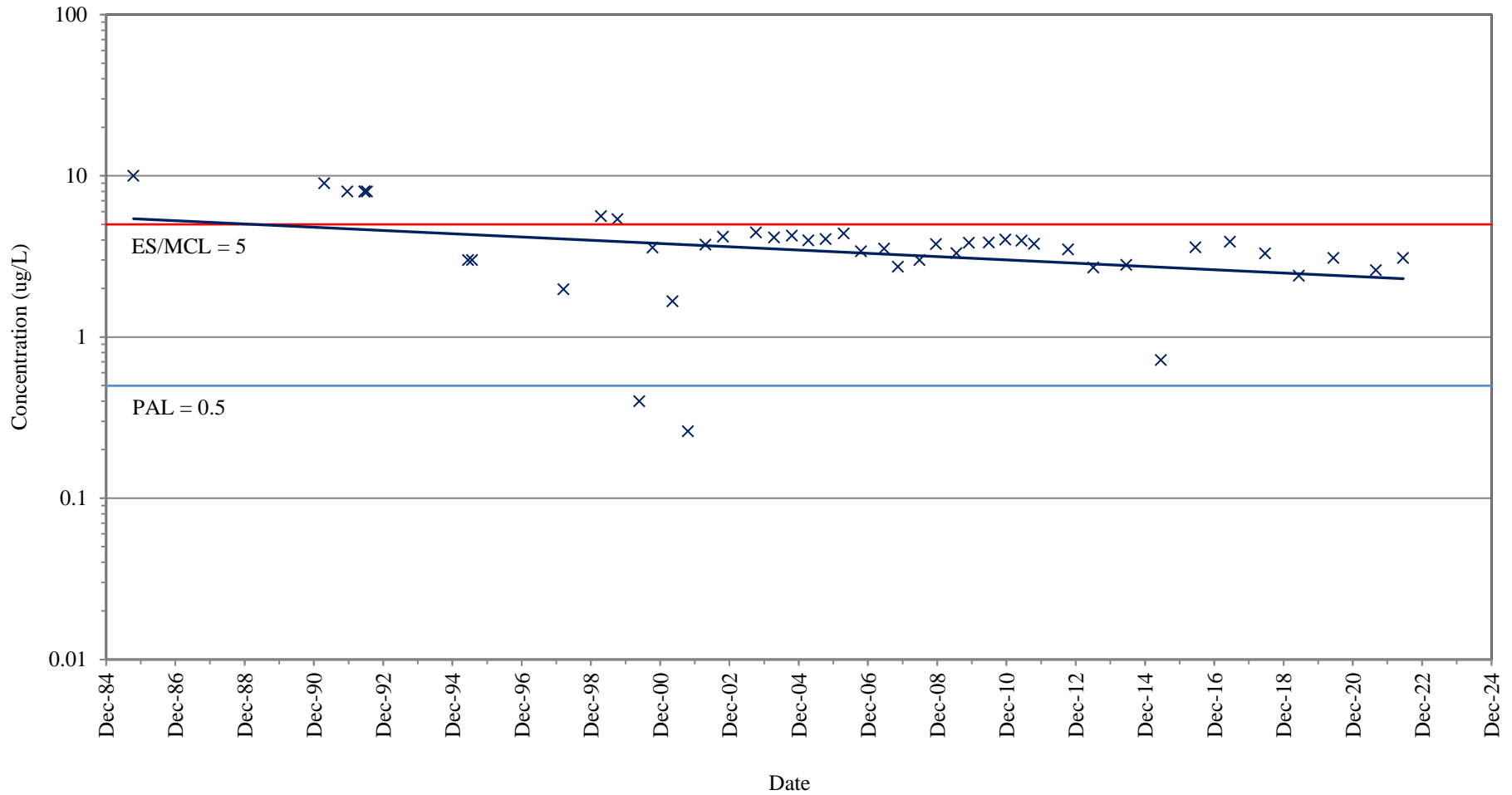
NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN



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.

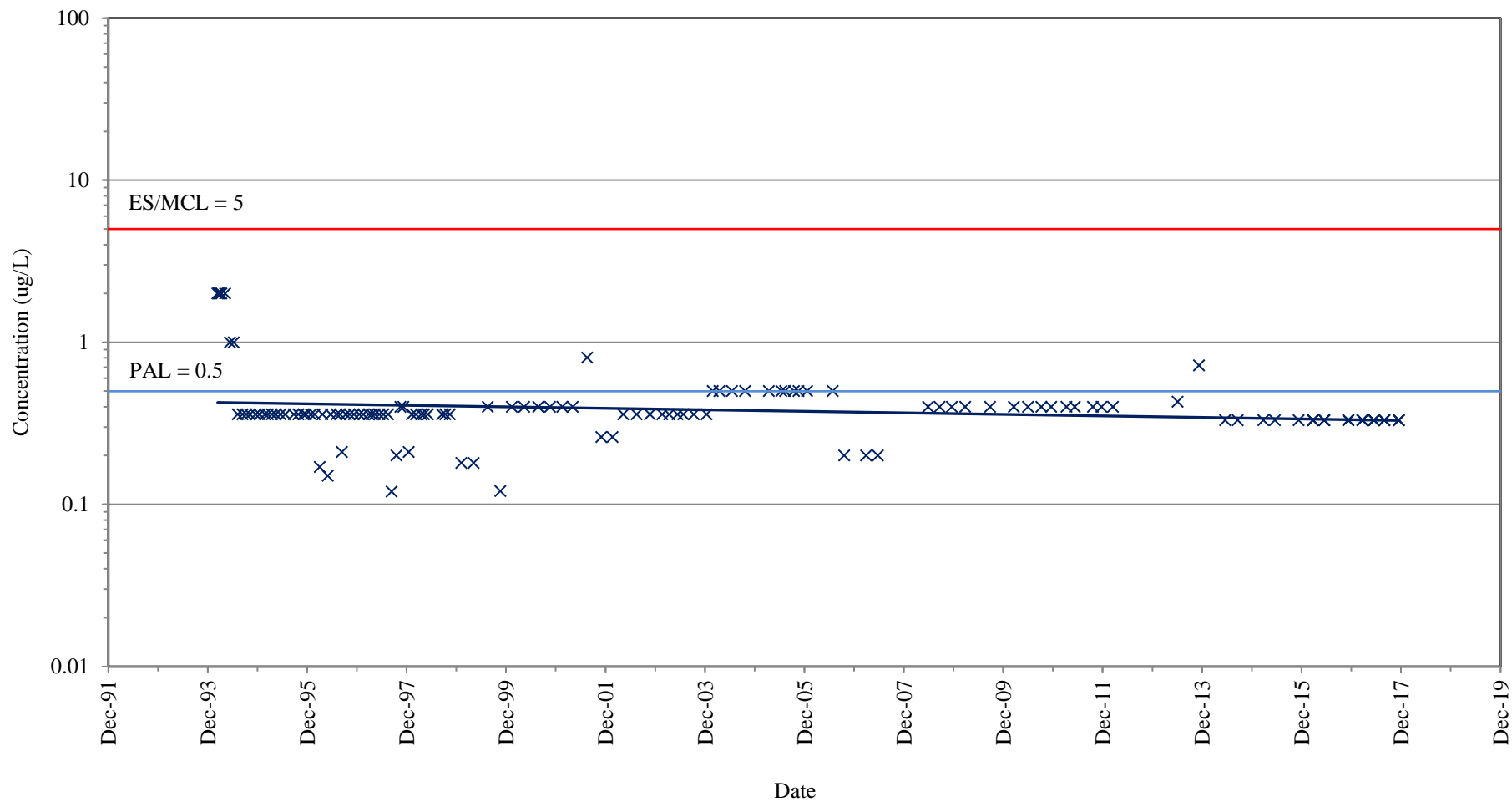
**PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS**  
**RW-16C (GRID COORDINATE G7)**

NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN



**APPENDIX E**

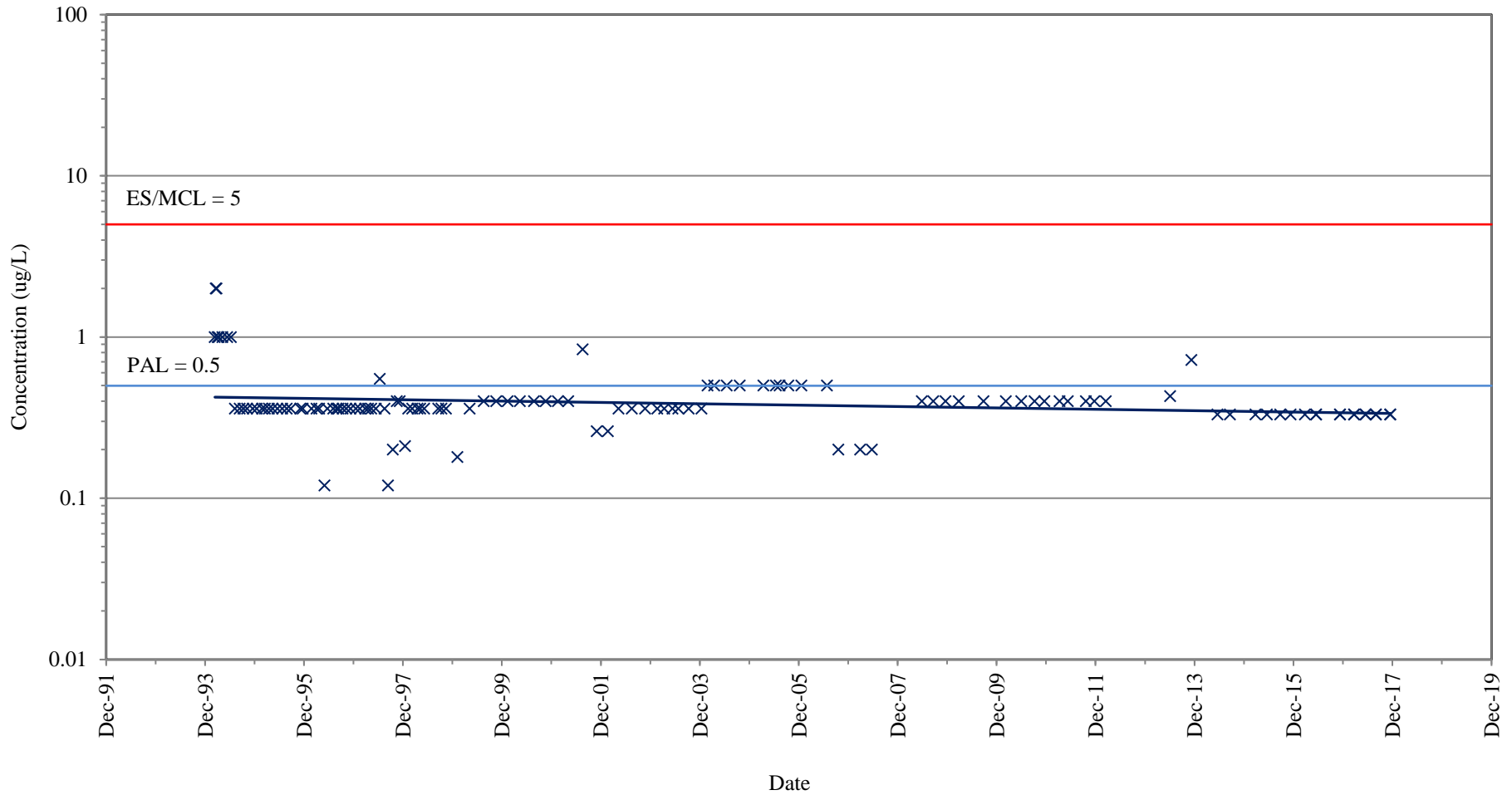
**TCE CONCENTRATION VERSUS TIME GRAPHS**  
**FORMER PLUME 3/4 (MELBY ROAD DISPOSAL SITE)**



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)**

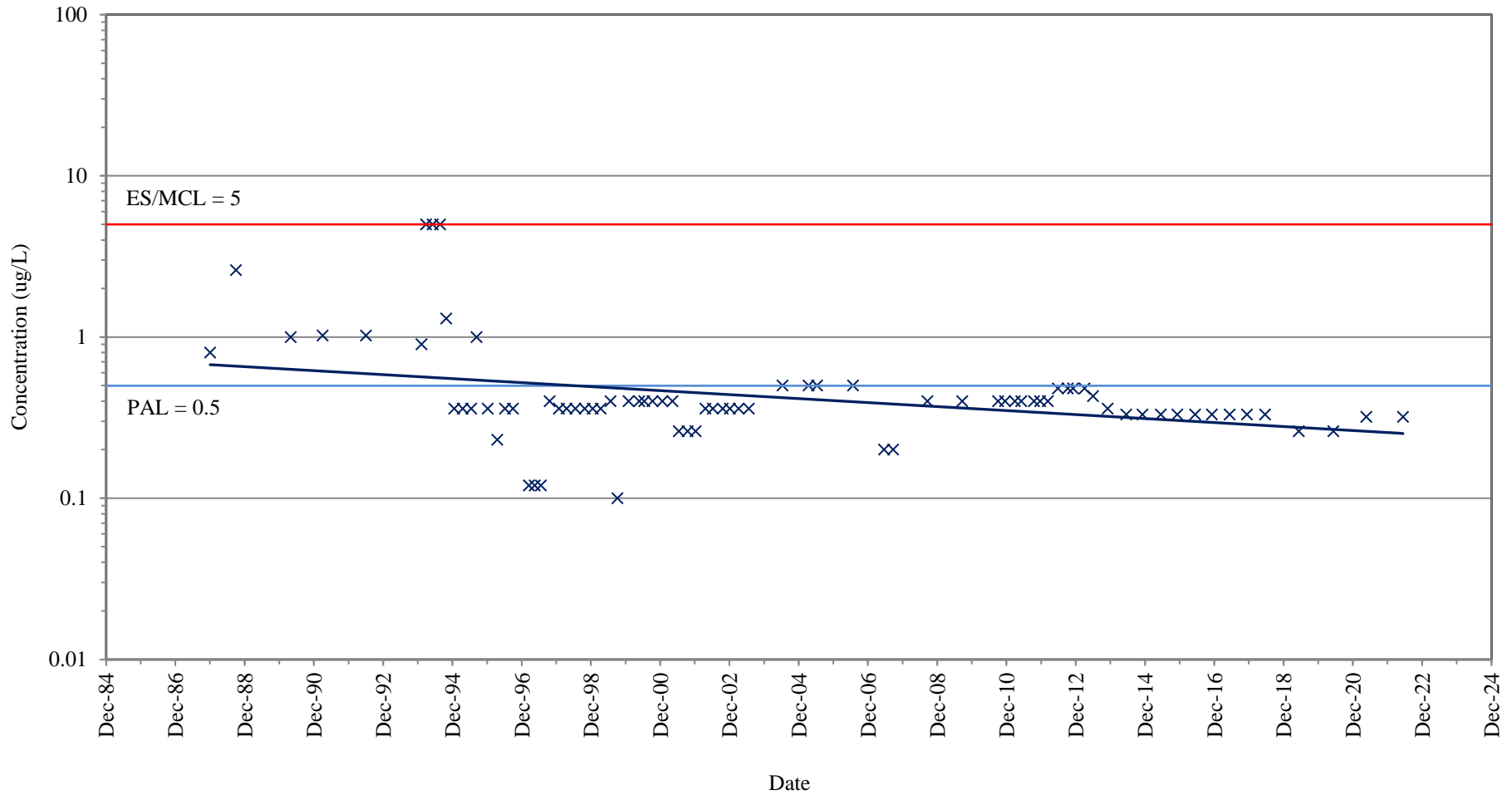
NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN



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)**

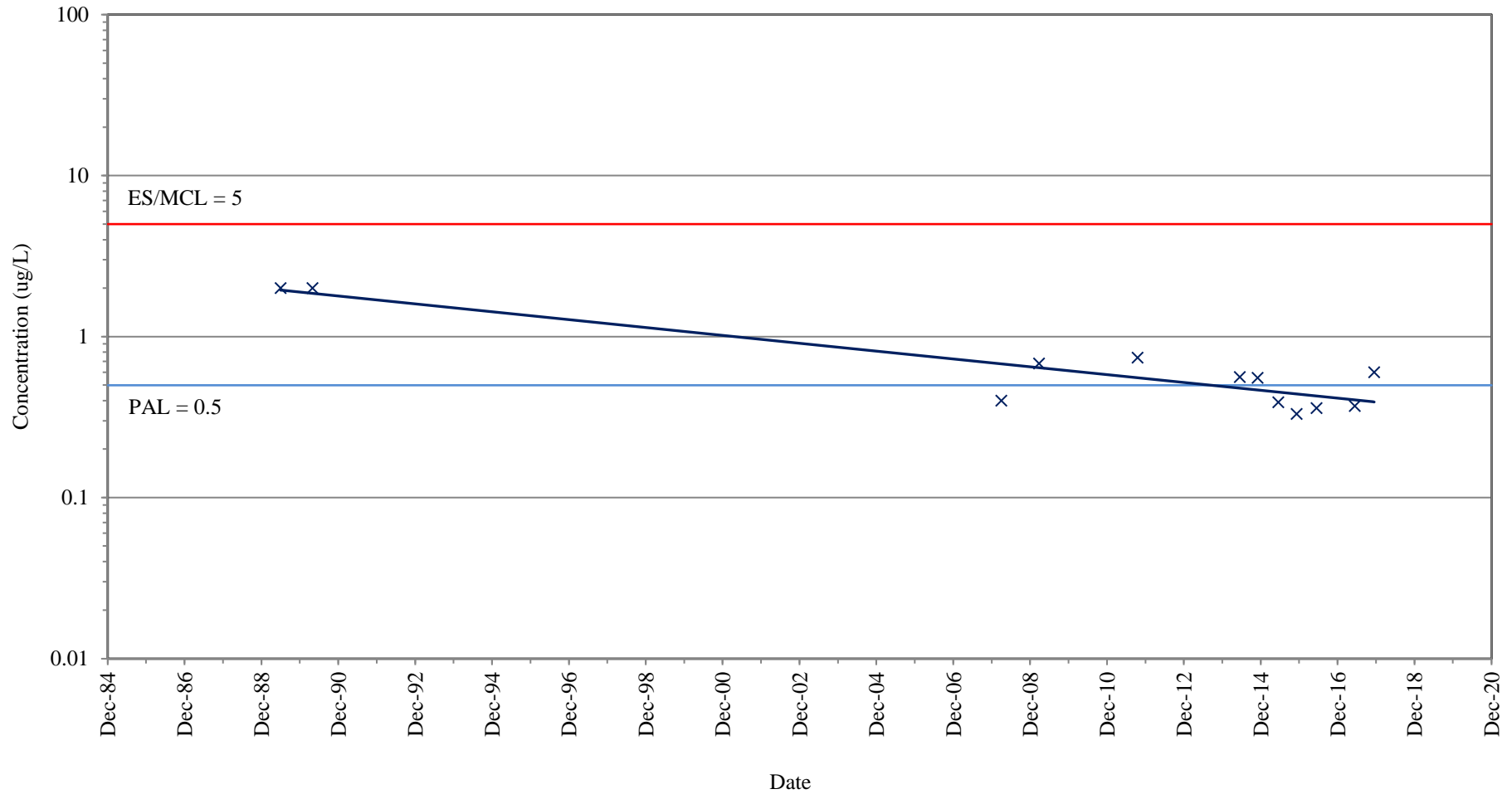
NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN



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)**

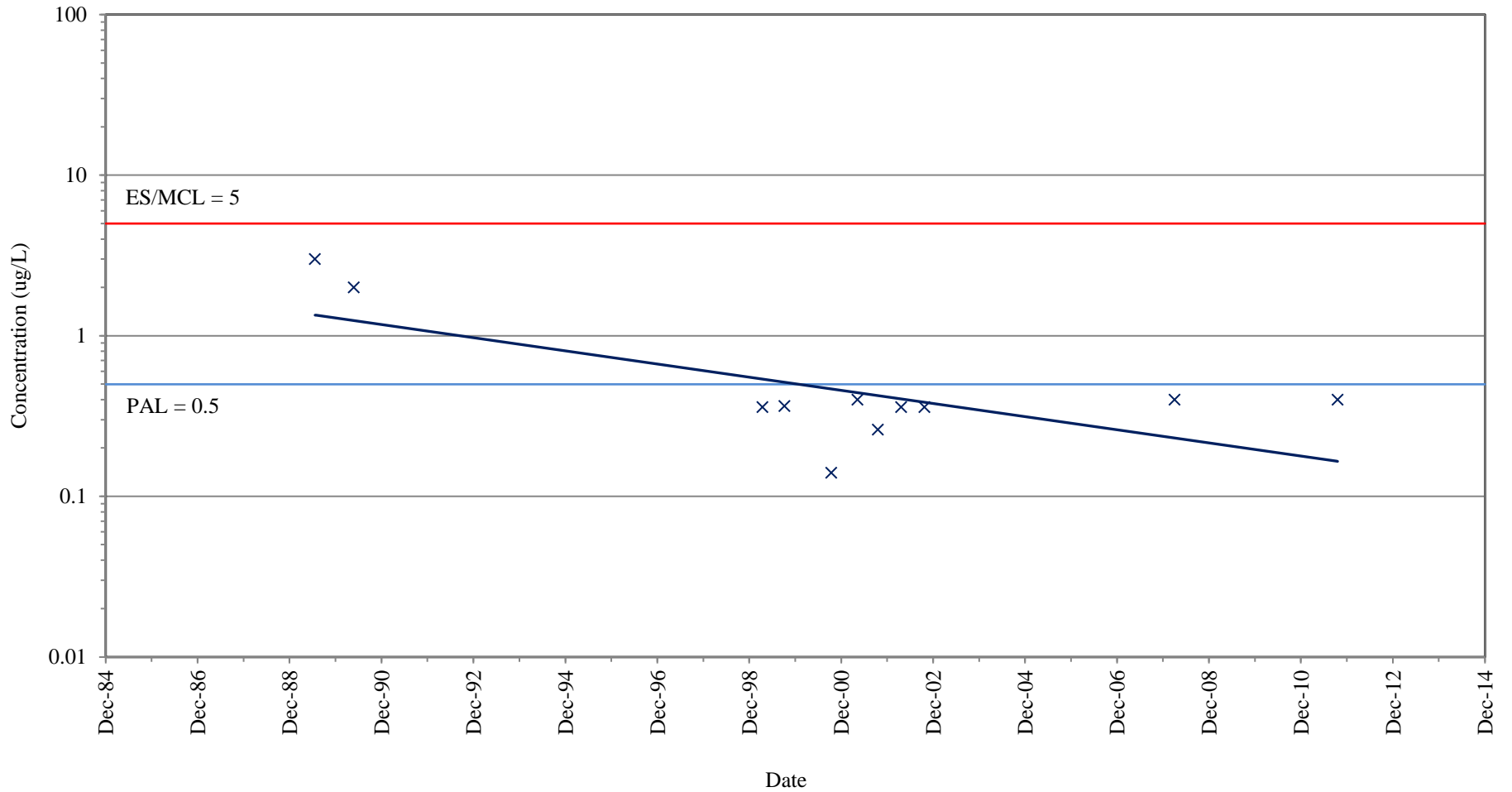
NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN



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)**

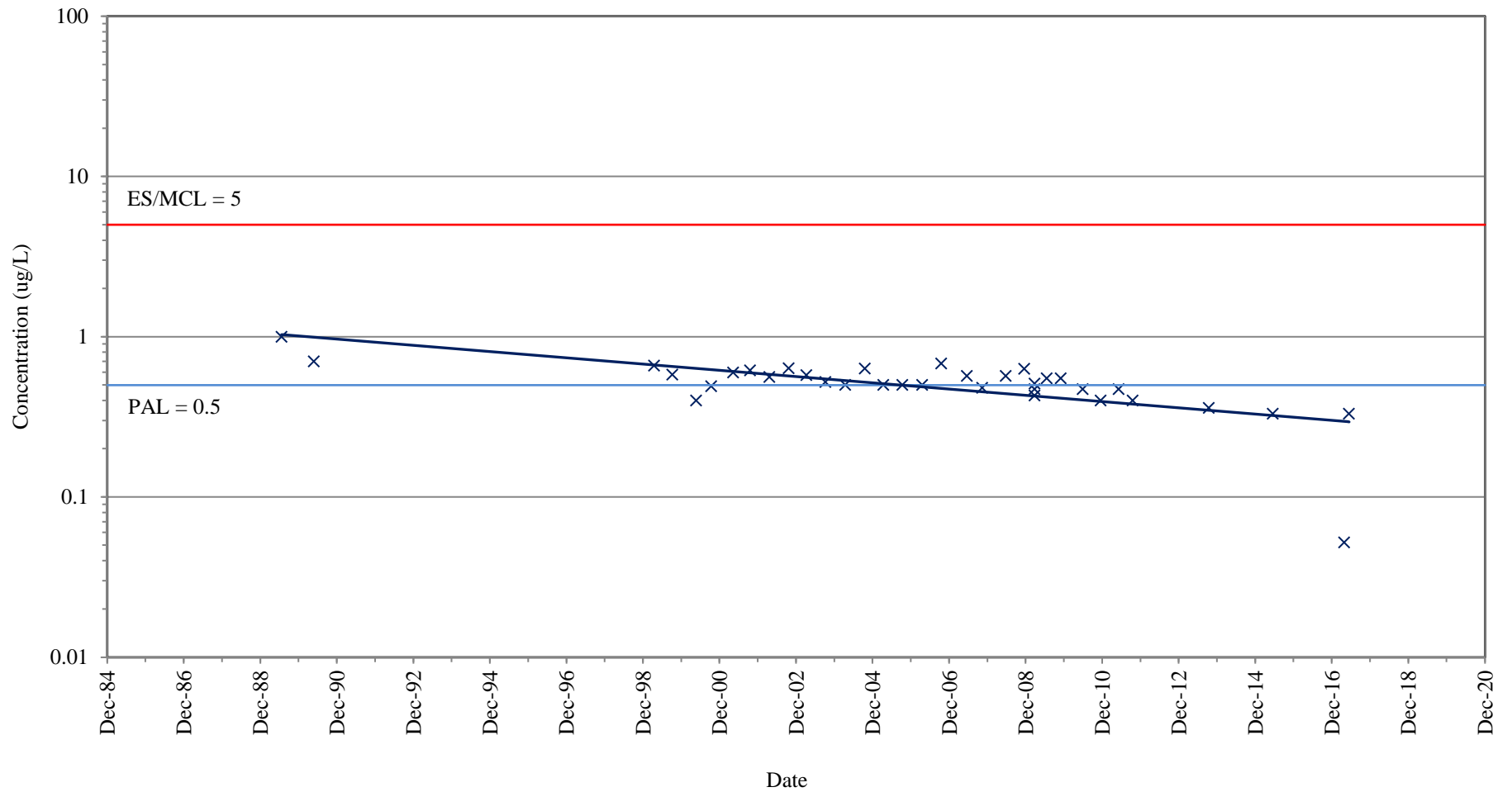
NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN



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)**

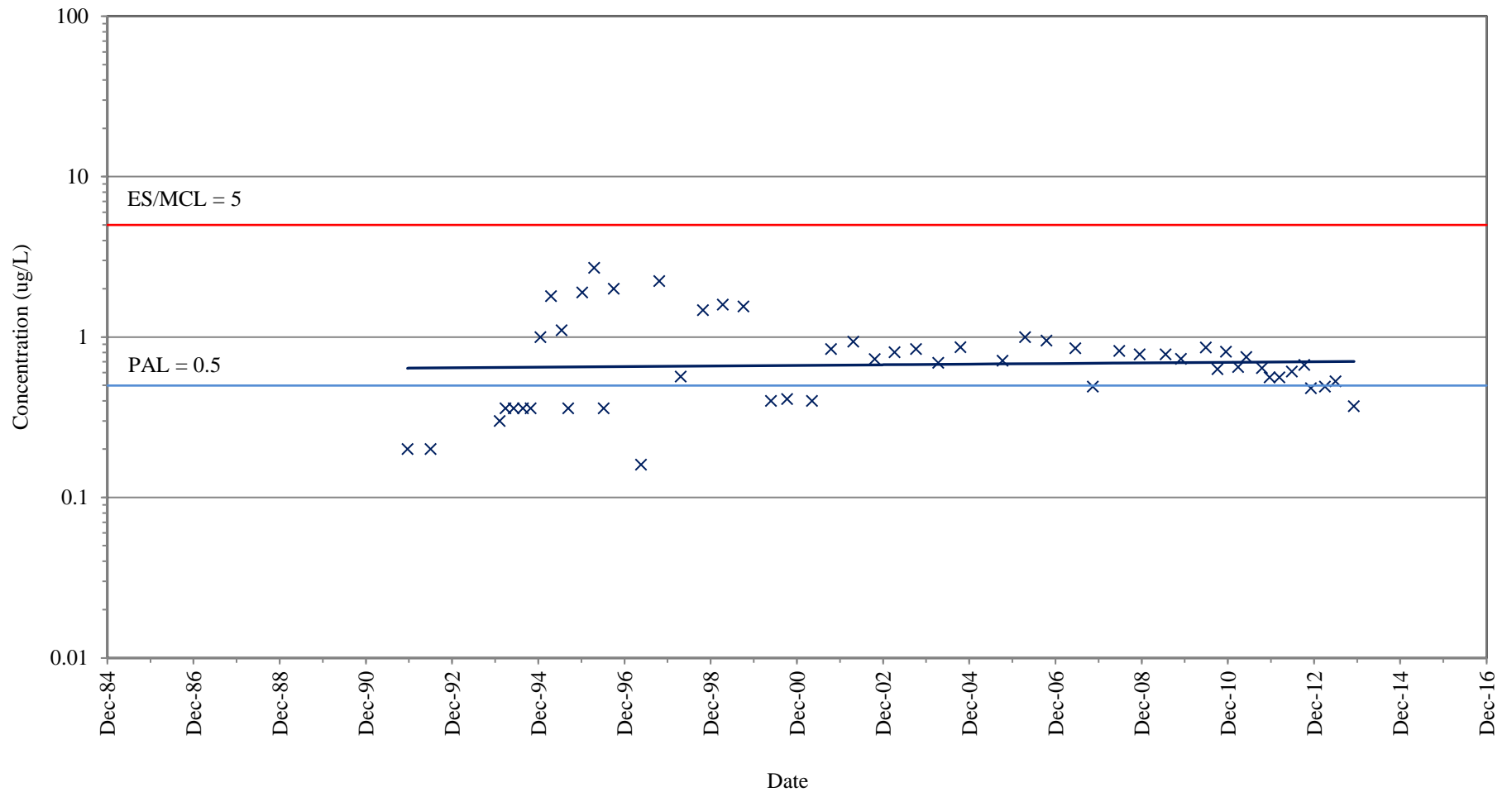
NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN



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

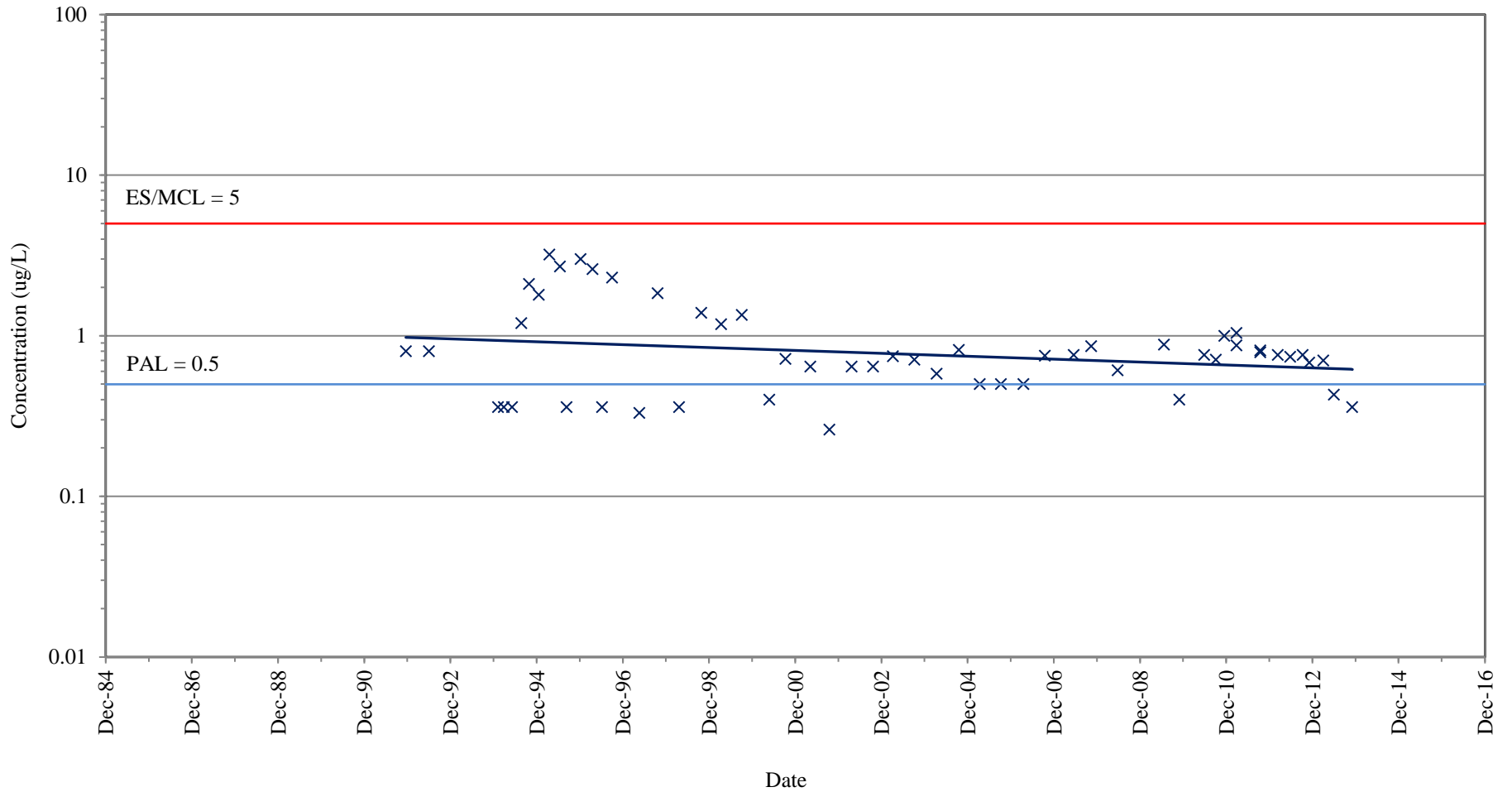


Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**PLUME 3/4 GROUNDWATER TCE CONCENTRATIONS**  
**MW-64B (GRID COORDINATE L6)**

NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN



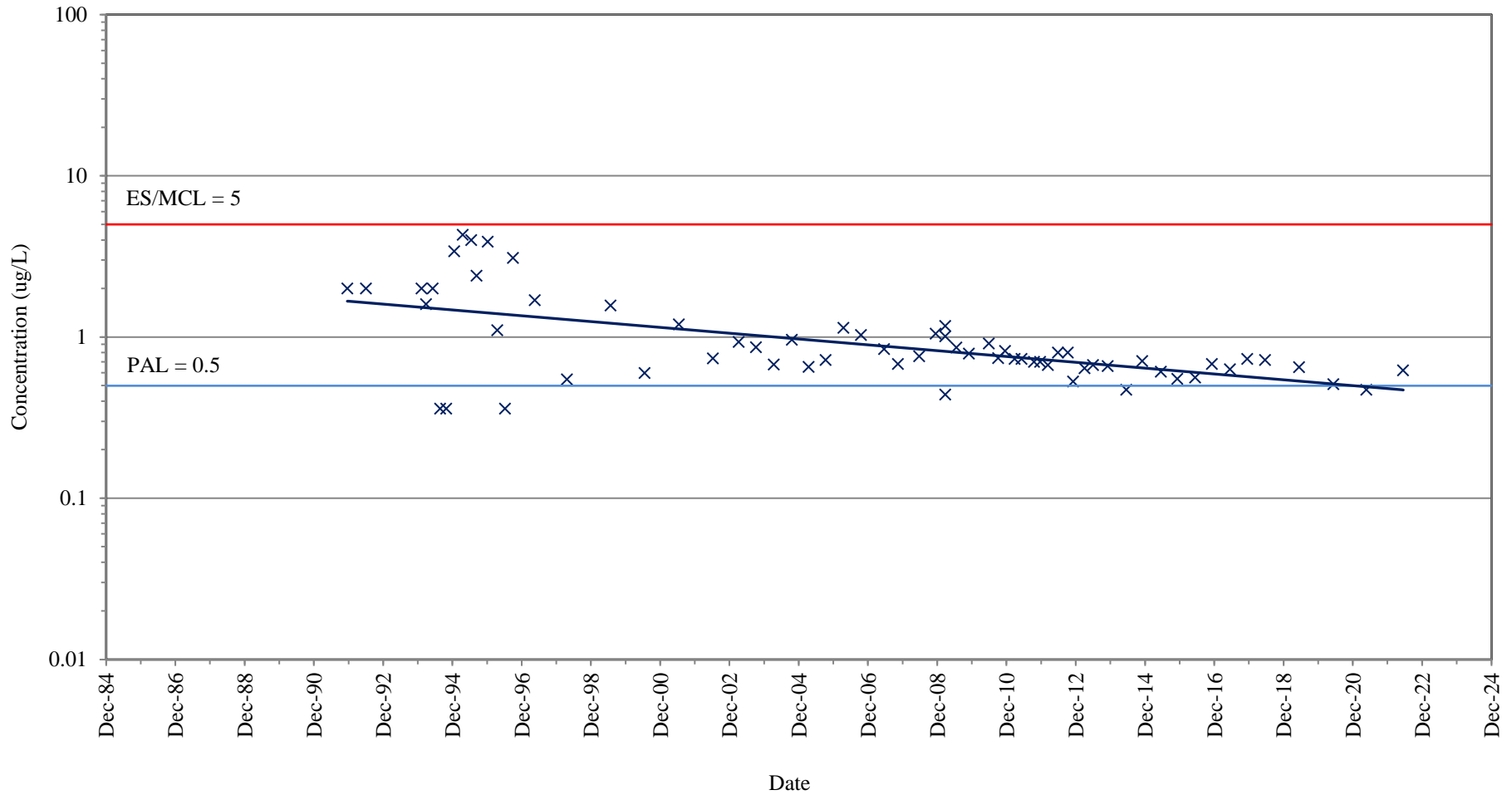


Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

**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-65C (GRID COORDINATE L6)**

NATIONAL PRESTO INDUSTRIES, INC.  
 EAU CLAIRE, WISCONSIN