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Re: Annual Interim Remedial Action Status Report - 2021
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 the samples collected from select water supply wells at the Eau Claire Municipal Well Field (ECMWF) and its water treatment system during 2021, conclusions based on the historical groundwater monitoring data, and a list of activities to be completed in 2022.

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 2021, 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 project inception, 2016 was the first year 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, continues to capture and remove VOC-impacted groundwater from that area of the site.

[GF File](#)

SVE vent well VW-1, 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 2016-2021.

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 onsite 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 2021, the MRDS SVE system was offline until March 10th. However, it operated with one blower running in “low-flow” mode for 145.4 hours between March 10th and 16th 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 May 21, 2021, low-flow operation of the SVE system resumed. On May 25th, the VFD was adjusted for normal seasonal operation. On November 29th, 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 2018-2021 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 0.0039 lb/hr and 20.66 lb, respectively, for total VOCs from all three of the SVE systems combined in 2021, the compound-specific emissions of TCE and all other compounds were below their respective limits, as summarized in Tables 2A/B. GF's June 2019 *Annual Interim Remedial Action Status Report - 2018*, March 2020 *Annual Interim Remedial Action Status Report for 2019*, and March 2021 *Annual Interim Remedial Action Status Report for 2020* provide additional detail.

GENERAL GROUNDWATER MONITORING INFORMATION

Groundwater samples were collected for NPI VOC analysis at least once from a total of 50 monitoring wells/piezometers, on-site extraction well EW-6, and 3 city production wells during the four routine quarterly sampling rounds completed in 2021. In addition to collecting samples from the above wells/piezometers and manhole MH-18, samples of combined pumpage from the production wells in the City's north well field were also collected, both before and after the air strippers and following routine water treatment and chlorination by the City for tracking purposes.

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, Cedar Park, Texas, validated the data from each of the four quarterly sampling rounds in 2021. 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 2021 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 2021 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 May 2021 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 2017. 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 828.35 ft MSL between December 2014 and 2015, respectively. By August 2017, the measured water level elevation in MW-10A had increased nearly 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 2021, measured elevations in MW-10A ranged from 829.02 to 829.70 ft MSL, lower than in December 2019, but elevated relative to 2013-2015 and 2018. 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 2021. Likewise, neither of these wells operated in 2015-2020, 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. Because the collar between the motor and pump was damaged due to corrosion, 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.
- 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 2021, 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 2021, except it was offline:

- March 31 through April 4, 2021, for redevelopment. GF's April 2021 monthly progress report that was submitted to both agencies for the SWC groundwater pump-and-treat system provides more details on the March-April 2021 redevelopment process.
- September 1, 2021, through January 16, 2022, for its second trial shutdown and another round of redevelopment, as discussed in a separate section below. 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.

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 2021. 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 EC-6, MW-49B, MW-51A, and MW-54A, given that NPI is proposing to stop routine sampling of these wells/piezometers, as discussed in a separate section below.
- Appendices B and C note that all the laboratory reports and chain of custody records from the routine quarterly sampling performed in 2021 and a copy of the text of the 2021 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 2021. 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 onsite. Appendix D contains TCE concentration versus time graphs for all historically impacted Plume 1/2 wells (i.e., $TCE \geq 5 \mu\text{g}/\ell$) 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 2021, 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 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 between July 2009 and 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 contracted the analyses to the Eau Claire County Health Department (County) beginning in December 2013. In May 2014, the City 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.

- On April 25, 2017, the City 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 25th and city wells 17, 19, 22, and 23 starting on April 25th.
- On December 5, 2020, the City brought CW-24 online to replace CW-10, a municipal water supply well that the City abandoned in November 2019.
- During the fourth quarter of 2021, the City was in the process of addressing per- and polyfluoroalkyl substances (PFAS) impacts at the ECMWF, so sampling in that area for NPI VOC analysis was limited to the finished water.

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 samples that GF collected in 2021 from the individual city production wells' raw water; commingled untreated raw water prior to the two air stripping towers; commingled treated water after each of the towers, but before chlorination; and commingled treated water after sand filtration and chlorination (i.e., finished water entering the city distribution system). As shown in Table 6, all samples collected from CW-23, commingled treated water after each of the air stripping towers, and finished water 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 0.62 to 0.97 µg/ℓ in 2018, 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 2.0 to 2.7 µg/ℓ in 2018, and 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 gradual changes are attributable to 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 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.

The sample of comingled untreated raw water from CW-17, CW-19, CW-22, and CW-23 prior to air stripping contained TCE at 0.77 µg/ℓ on 5/26/21.

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 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 has subsequently chosen to continue operation of the strippers at its own cost. If the City 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 2021. 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 May 2021. 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 5 of the 10 existing wells/piezometers in the MRDS area and downgradient in former Plume 3/4 were sampled once in 2021. VOC concentrations in 4 of the 5 wells were below the laboratory limit of detection. There were no exceedances of the TCE ES of 5.0 µg/ℓ in the 2021 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 2021, with a TCE concentration of 0.47J µg/ℓ. MW-65C is located off site and approximately 250 feet north-northwest of the MRDS. For reference, Table 8 also includes all historical analytical data for water table monitoring wells MW-1, MW-7, MW-12A, and MW-13A, given that they are proposed for abandonment in 2022, as discussed in a separate section below.

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. None of the samples collected from these two wells in 2017 contained detectable concentrations of any VOCs and haven't since August 2001.

Appendix E contains TCE concentration versus time graphs for all monitoring wells/piezometers in the MRDS area with detectable TCE in 2021 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.

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 have been used since 1994 to remove contaminated groundwater and provide hydraulic gradient control in these two areas of the site (as noted above, the MRDS wells and EW-5 have now been turned off). Groundwater pumped from these 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 2021, except it was offline March 31-April 4, 2021, for redevelopment and September 1, 2021, through January 16, 2022, for its second trial shutdown and another round of redevelopment.

Samples of the groundwater pumped from EW-6 were collected four times in 2021 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 2021. These samples are collected from manhole MH-18, which is within 60 feet of CAS-2R and receives its discharge. Discharge samples were not collected from:

- MH-18 in the fourth quarter of 2021 because EW-6 was offline for its second trial shutdown.
- CAS-1 in 2021 because EW-1R and EW-2 were “non-active” as summarized above.

Table 10 provides the annual volumes of groundwater pumped by NPI for 2018-2021. In 2021, the total volume of treated groundwater discharged to the storm sewer was 57.90 million gallons. The volume removed from all the extraction wells since March 1994 now totals over 4.73 billion gallons.

Tables 11 and 12 list the concentrations of TCA and TCE, respectively, in the groundwater pumped from the extraction wells for 2018-2021. 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 time period shown. Because extraction wells EW-1R and EW-2 were not operating in 2021, there is no need to calculate the removal efficiency for

CAS-1. Table 11 shows that the TCA removal efficiency of CAS-2R in 2021 ranged from 36 to 69 percent. Table 12 shows that the TCE removal efficiency of CAS-2R in 2021 ranged from 25 to 34 percent. Overall results document that the performance of CAS-2R in 2021 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 2021 was <1.3 µg/l, as shown in Table 13.

MONITORING WELL ABANDONMENT REQUEST AND GROUNDWATER SAMPLING SCHEDULE FOR 2022

NPI requests agency approval to abandon four water table monitoring wells in 2022: MW-1, MW-7, MW-12A, and MW-13A. Given the documented improvement in groundwater quality through 2021, continued monitoring of these four on-site former Plume 3/4 wells located upgradient of the MRDS is no longer necessary. In addition:

- MW-18, also located directly upgradient of the MRDS, remains available for sampling if necessary.

- Each of the proposed abandonments, if approved, will eliminate the chance of a well getting lost or damaged and serving as a conduit for contamination to reach the aquifer, etc.

During the December 5, 2019, annual meeting at NPI, the agencies agreed that they would consider abandonment requests like this.

Table 14 summarizes the proposed monitoring well abandonment request, as outlined above, and presents the 2022 groundwater sampling 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 2022 include:

- Stop the annual sampling of EC-6 at the ECMWF and biennial sampling of MW-49B, MW-51A, and MW-54A at the airport for NPI VOC analysis.
- Reduce the sampling frequency for NPI VOC analysis from semi-annual to annual at piezometers RW-3B and RW-3C between the airport and the ECMWF.

Table 14 includes notes on historical TCE concentrations in EC-6, MW-1, MW-7, MW-11A, MW-13A, MW-49B, MW-51A, MW-54A, RW-3B and RW-3C for reference. During the December 5, 2019, annual meeting at NPI, the agencies agreed that they would also 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.

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 6 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

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 rising 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.
 - Got EW-6 back online to provide hydraulic control and prevent the off-site migration of dissolved-phase TCE and other VOCs on January 17, 2022.

Because of all remedial activities completed through 2021:

- 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 2016-2021.
- All NPI VOCs were virtually non-existent in the sampled former Plume 3/4 wells, EW-1R, and EW-2. In 2021, 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.

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 (2022)

NPI plans the following work in 2022:

- 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 operate EW-6, monitor NPI VOCs in the SWC to assess the need to restart extraction well EW-5, sample EW-6 and manhole MH-18, and submit DMRs in accordance with agreed upon schedules.
- Continue to operate and maintain CAS-2R and, if the MRDS extraction wells are restarted, CAS-1.
- Abandon:
 - The former Plume 3/4 monitoring wells (i.e., MW-1, MW-7, MW-12A and MW-13A) summarized in Table 14 upon receiving approval from the agencies.
 - 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.

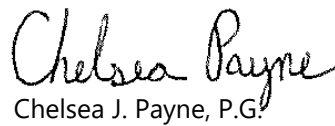
If you have any questions during your review of the report, please call.

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)
Lane Berg (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 <i>Clifford C. Wright</i>	Date 4.18.2022

P.E. Seal for E-31265:



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

Print Name Clifford C. Wright	Title Project Engineer/Geologist
Signature <i>Clifford C. Wright</i>	Date 4.18.2022

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 (May 2021) with 1993 Plume Locations
2	11" x 17" Site Plan Showing May 2021 Groundwater Contours
3	11" x 17" Site Plan with Three Existing SVE System Locations
4	11" x 17" Main Building SVE System and May 2021 SWC Groundwater Contour Map

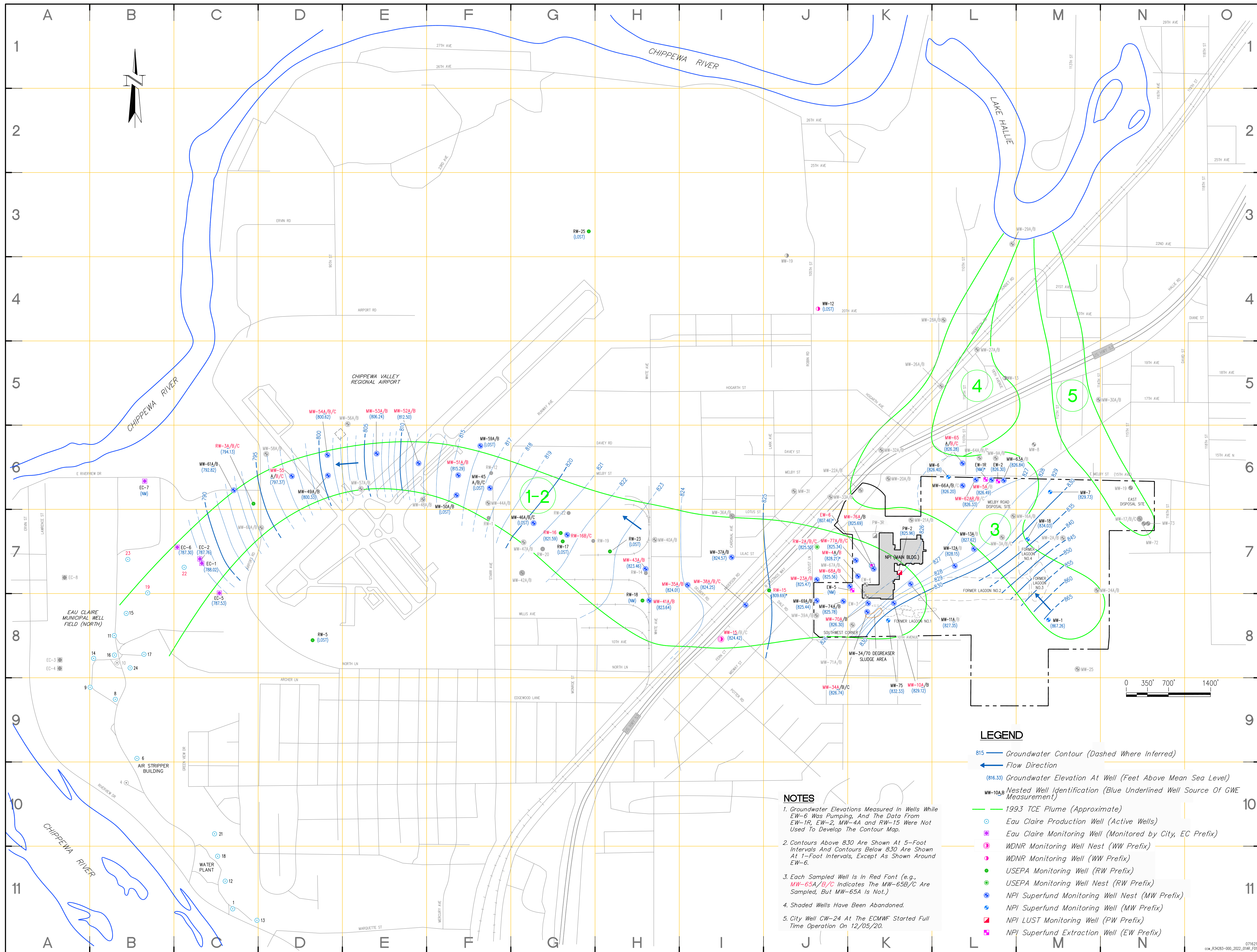
TABLES

<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 (2018-2021)
3	Water Level Measurements for 2021
4	NPI VOC Analytical Results from SWC Extraction Wells EW-5 and EW-6 (2018-2021)
5	NPI VOC Analytical Results from Former Plume 1/2 Monitoring Wells (2018-2021)
6	NPI VOC Analytical Results from the Eau Claire Municipal Well Field (2018-2021)
7	Dissolved Cadmium Analytical Results (2018-2021)
8	NPI VOC Analytical Results from Former Plume 3/4 Wells (2018-2021)
9	NPI VOC Analytical Results from MRDS Extraction Wells (2015-2017)
10	Annual Pumpage from NPI Groundwater Extraction Wells (2018-2021)
11	TCA Concentrations in NPI Pumped Groundwater (2018-2021)
12	TCE Concentrations in NPI Pumped Groundwater (2018-2021)
13	Summary of Results from Manhole MH-18 Sampling (2018-2021)
14	Groundwater Sampling and Well Abandonment Schedule for 2022
15	Long-term Stewardship Plan Verification/Confirmation Summary for 2021

APPENDICES

A	CD with Historical Data Summary Workbooks (available upon request)
B	Laboratory Reports for 2021 Groundwater Analytical Data (available upon request)
C	Text of the 2021 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.	07/09/21	CJP

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

Gannett Fleming
HARRISBURG, PENNSYLVANIA
MADISON, WISCONSIN

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PROJECT
2021 ANNUAL REPORT
NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

TITLE
WATER TABLE GROUNDWATER CONTOUR MAP (MAY 2021) WITH 1993 PLUME LOCATIONS

Gannett Fleming	
HARRISBURG, PENNSYLVANIA	MADISON, WISCONSIN
DRAWN BY	CJP
DESIGNED BY	CJP
APPROVED BY	CCW
DATE	JULY 2021
SCALE	1" = 700'
PROJECT No.	34283.000
DRAWING No.	FIGURE 1

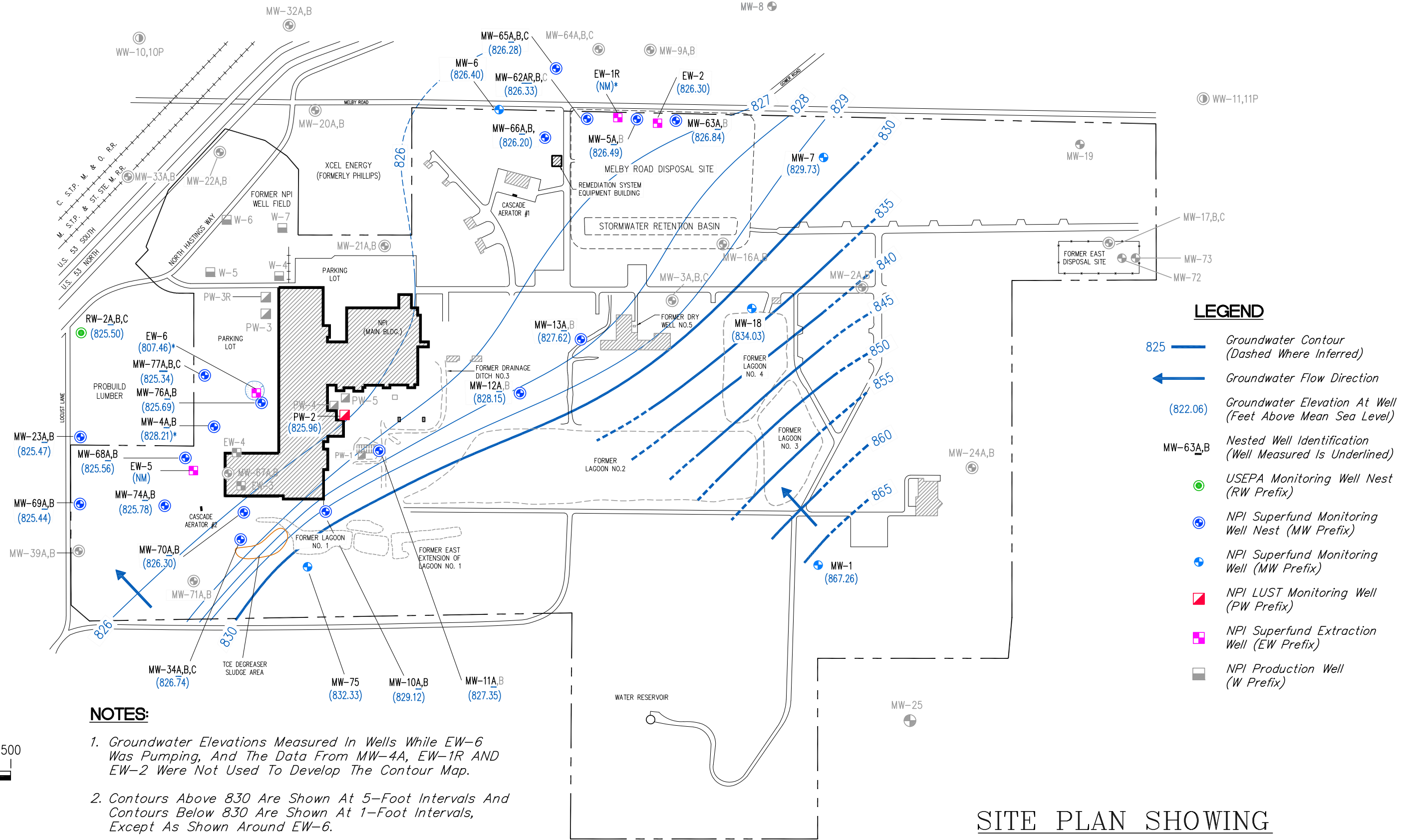
LEGEND

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

NOTES

1. Groundwater Elevations Measured In Wells EW-6 Was Pumping, And The Data From EW-1R, EW-2, MW-4A and RW-15 Were 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. 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.)
4. Shaded Wells Have Been Abandoned.
5. City Well CW-24 At The ECMWF Started Full Time Operation On 12/05/20.





LEGEND

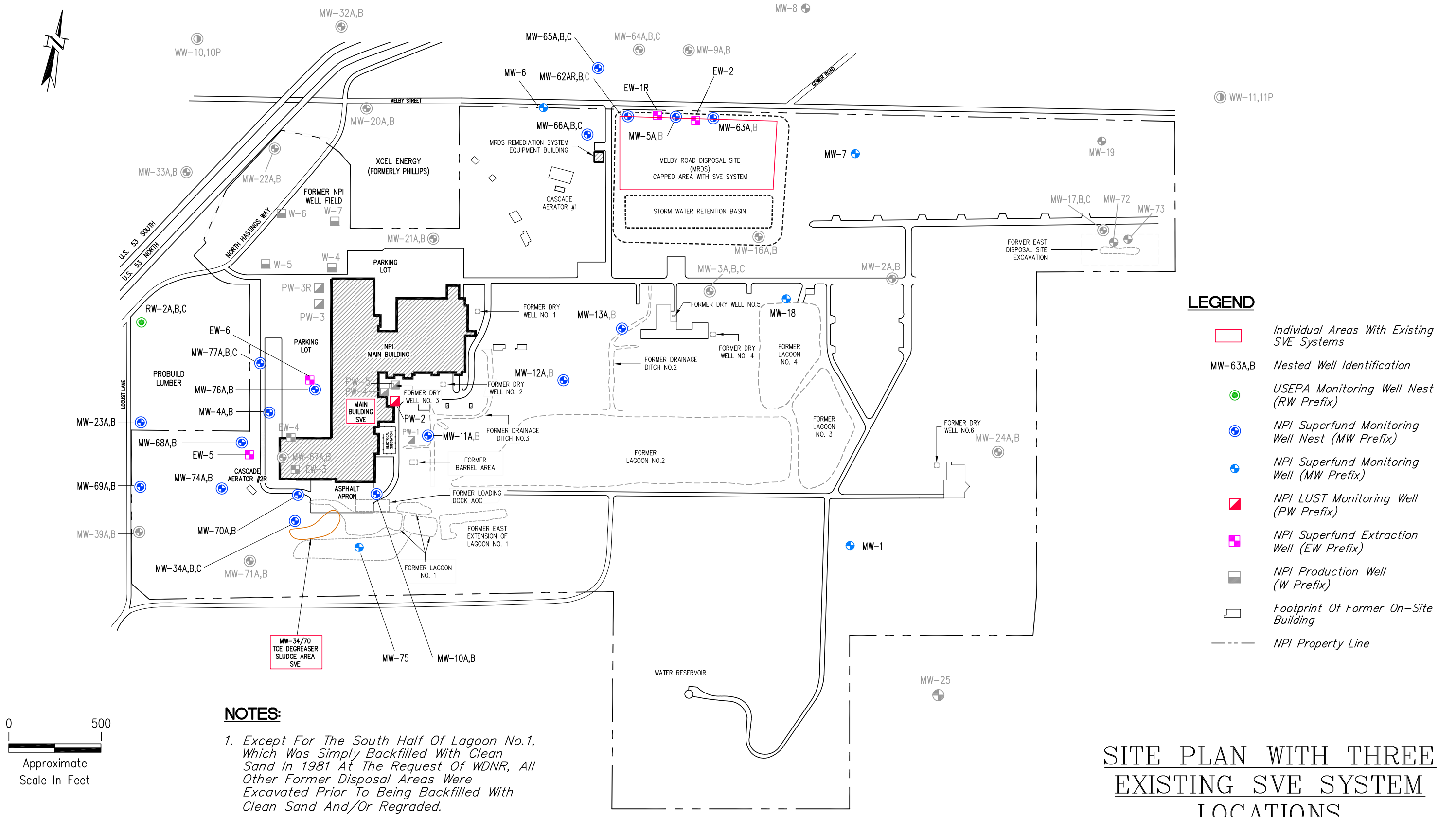
- 825 — Groundwater Contour (Dashed Where Inferred)
- ← Groundwater Flow Direction
- (822.06) Groundwater Elevation At Well (Feet Above Mean Sea Level)
- MW-63A,B Nested Well Identification (Well Measured Is Underlined)
- USEPA Monitoring Well Nest (RW Prefix)
- ⊕ NPI Superfund Monitoring Well Nest (MW 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 Data From MW-4A, EW-1R AND EW-2 Were 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
MAY 2021 GROUNDWATER CONTOURS**
2021 ANNUAL REPORT
NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN



LEGEND

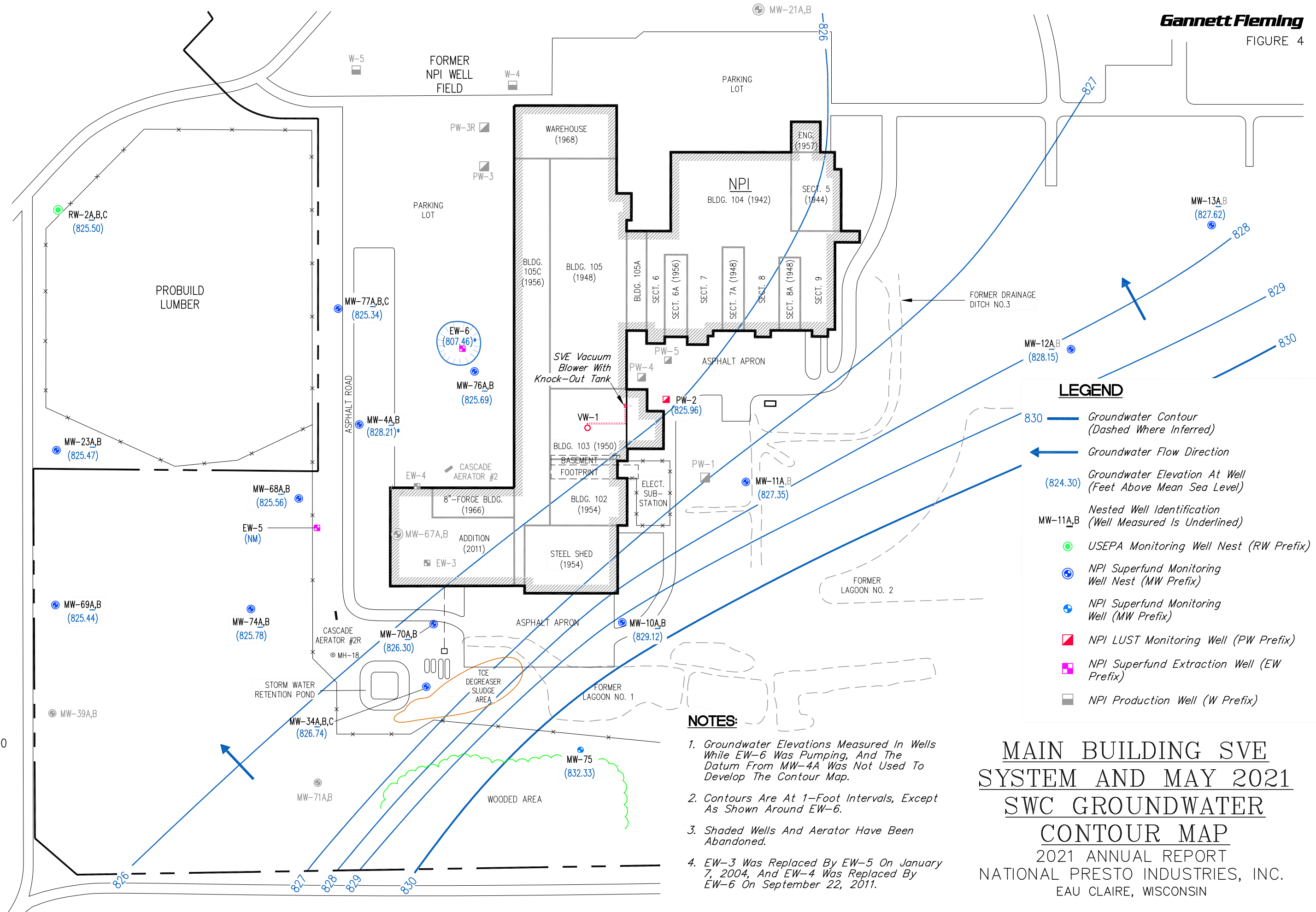
- Individual Areas With Existing SVE Systems
- MW-63A,B Nested Well Identification
- USEPA Monitoring Well Nest (RW Prefix)
- ⊕ NPI Superfund Monitoring Well Nest (MW Prefix)
- ⊕ NPI Superfund Monitoring Well (MW Prefix)
- ▣ NPI LUST Monitoring Well (PW Prefix)
- NPI Superfund Extraction Well (EW Prefix)
- 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

2021 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)
- 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 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 MAY 2021
SWC GROUNDWATER
CONTOUR MAP**
2021 ANNUAL REPORT
NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

TABLES

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

TABLE 1

WELL CONSTRUCTION INFORMATION

Well/Piezometer ID (description/comment)	Plume	Grid Coord.	FN	Drilling Method	Completion Date or Year	Screened Interval (ft bgs)	Screened In (description of material)	Screen Diameter (inches)	Well Top Type	Casing/ Screen Material	Top of Casing Elevation (ft MSL)	Date of Abandon- ment
CW-6 (City Well/water supply)	--	B9		CT	03/17/37	39-76.7	Gravel packed	20	--	AI	812.68	NA
CW-8	--	B9		--	--	49-89	--	16	--	SS	808.79	NA
CW-9	--	B9		CT	01/16/47	65-95	crs S & G	16	--	AI	811.18	NA
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
MW-5A	3/4	L6	(3)	HSA	02/27/84	64-81	Alluvium	2	P	PVC	902.60	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-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)	HAS	11/21/86	81-91	Bedrock	2	P	PVC	?	11/23/11
MW-14 (nka EW-1)	3/4	L6	(2)	AR	03/05/87	62.5-97.5	Alluvium	2	--	Steel	896.00	03/05/87
MW-15 (nka EW-2)	3/4	L6		AR	02/26/87	69-104	Alluvium	2	--	Steel	895.81	02/26/87
MW-16A	3/4	M7	(4)	HSA	11/25/86	58-73	Bedrock	2	--	PVC	896.62	08/21/98
MW-16B	3/4	M7	(4)	MR	11/24/86	83.5-93.5	Bedrock	2	--	PVC	896.51	08/21/98
MW-17	5	N7	(4)	HSA	12/03/86	25-40	Both	2	P	PVC	898.91	11/23/11
MW-17B	5	N7	(4)	HSA	12/04/86	50-60	Bedrock	2	P	PVC	899.12	11/23/11
MW-17C	5	N7	(4)	MR	05/20/88	70-80	Bedrock	2	P	PVC	899.50	11/23/11
MW-18	3/4	M7	(4)	HSA	05/19/88	58-73	Bedrock	2	P	PVC	898.38	NA
MW-19	5	N6	(4)	HSA	05/17/88	58-73	Bedrock	2	P	PVC	898.89	11/30/11
MW-20A	3/4	K6		HSA	05/25/88	65.5-80.5	Alluvium	2	--	PVC	897.82	04/15/95
MW-20B	3/4	K6		HSA	06/01/88	92-102	Alluvium	2	--	PVC	896.74	04/15/95
MW-21A	3/4	K7		HSA	05/23/88	67-82	Alluvium	2	--	PVC	899.27	04/07/10
MW-21B	3/4	K7		MR	05/20/88	92-102	Alluvium	2	--	PVC	898.95	04/07/10
MW-22A	3/4	K6		HSA	06/03/88	66.5-81.5	Alluvium	2	P	PVC	900.79	05/07/18
MW-22B	3/4	K6		HSA	06/01/88	91.5-101.5	Alluvium	2	P	PVC	900.75	05/07/18
MW-23A	1/2	J7		HSA	06/04/88	65-80	--	2	P	PVC	895.99	NA
MW-23B	1/2	J7		HSA	06/03/88	90-100	--	2	P	PVC	895.95	NA
MW-24A	3/4	M7	(4)	MR	05/25/88	45-60	Bedrock	2	--	PVC	915.66	09/05/08
MW-24B	3/4	M7	(4)	MR	05/23/88	70-80	Bedrock	2	--	PVC	915.57	09/05/08
MW-25	3/4	M8	(4)	HSA	05/17/88	39-54	Both	2	--	PVC	930.35	09/05/08
MW-26A	3/4	L5		HSA	06/22/89	63-78	Alluvium	2	F	PVC	890.17	05/04/18
MW-26B	3/4	L5		MR	06/20/89	109-119	Alluvium	2	F	PVC	890.03	05/04/18
MW-27A	3/4	L5		HSA	06/21/89	62-77	Alluvium	2	F	PVC	890.20	05/04/18
MW-27B	3/4	L5		MR	06/20/89	85.3-95.3	Alluvium	2	F	PVC	890.15	05/04/18
MW-28A	3/4	L4		HSA	06/08/89	65-80	Alluvium	2	--	PVC	892.86	06/15/99
MW-28B	3/4	L4		MR	06/08/89	113-123	Alluvium	2	--	PVC	893.16	06/15/99
MW-29A	3/4	L3		HSA	05/25/89	69-84	Alluvium	2	P	PVC	892.72	05/08/18
MW-29B	3/4	L3		MR	05/31/89	124-134	Alluvium	2	P	PVC	892.49	05/08/18
MW-30A	5	M5		HSA	06/12/89	66-81	Alluvium	2	--	PVC	898.69	09/08/08

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-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
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

TABLE 1

WELL CONSTRUCTION INFORMATION

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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
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

TABLE 1

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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
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

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-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
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 ^(1,2)			Emission Threshold ⁽³⁾	Time Period for Threshold	Control Requirement ⁽⁴⁾
	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.

FOOTNOTES:

(1) For MRDS SVE - includes only those USEPA 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 USEPA 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.
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TABLE 2B

SUMMARY OF AIR EMISSIONS FROM/TCE REMOVAL BY NPI SVE SYSTEMS (2018-2021)⁽¹⁾

Year	Main Building SVE (operates year round) ⁽²⁾			MRDS SVE ⁽³⁾				MW-34/70 Area SVE (operates seasonally) ⁽⁴⁾			Combined ⁽⁵⁾					
	TCE		Total VOCs	TCE		Total VOCs	TCE		Total VOCs	Total VOCs						
	Hourly (lb/hr)	Annual (lb)	Cumulative (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)		
2018	0.00152	9.0	22.1	0.0018	11.4	NC	NC	0.00035	0.71	0.00079	3.2	199.2	0.00093	3.7	0.0031	15.81
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	26.50
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	19.60
2021	0.00143	9.0	55.2	0.0016	11.1	NC	NC	0.00048	1.06	0.0015	7.2	220.3	0.0018	8.5	0.0039	20.66

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:

TCE, TCA, PCE, and 1,1-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.

NI = Not installed and operating.

DCA = 1,1,-Dichloroethane.

PCE = Tetrachloroethylene.

TCA = 1,1,1-Trichloroethane.

TCE = Trichloroethylene.

Total VOCs = Summation of detected TCL VOCs for 2014 and 2015.

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

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

FOOTNOTES:

(1) 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. Values for 2013 and 2014 were updated to include all three SVE units in 2018. 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.

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

TABLE 3

2021 WATER LEVEL MEASUREMENTS⁽¹⁾

Well Group/ Well ID	Measuring Point Elevation (ft MSL)	3/16/2021 (Q1)		5/24-26/2021 (Q2)		8/31-9/1/2021 (Q3)		11/29/2021 (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	25.93	788.02	24.60	789.35	NM	NM
EC-2	814.44	NM	NM	26.68	787.76	NM	NM	NM	NM
EC-5	813.56	NM	NM	26.03	787.53	NM	NM	NM	NM
EC-6	813.19	NM	NM	25.89	787.30	24.48	788.71	NM	NM
EW-5	889.90	NM	NM	NM	NM	NM	NM	NM	NM
EW-6	894.89	87.40	807.49	87.43	807.46	89.38	805.51	81.50	813.39
MW-4A	897.25	NM	NM	69.04	828.21	68.89	828.36	68.56	828.69
MW-4B	896.65	NM	NM	69.52	827.13	68.89	827.76	68.56	828.09
MW-10A	894.60	64.90	829.70	65.48	829.12	65.58	829.02	65.43	829.17
MW-10B	894.91	NM	NM	65.99	828.92	66.23	828.68	65.96	828.95
MW-11A	897.20	NM	NM	69.85	827.35	NM	NM	69.78	827.42
MW-12A	896.95	NM	NM	68.80	828.15	NM	NM	68.84	828.11
MW-23A	895.99	NM	NM	70.52	825.47	NM	NM	70.45	825.54
MW-23B	895.95	NM	NM	70.21	825.74	NM	NM	70.15	825.80
MW-34A	895.36	67.84	827.52	68.62	826.74	68.93	826.43	68.61	826.75
MW-34B	895.28	NM	NM	68.55	826.73	68.85	826.43	68.54	826.74
MW-34C	895.25	NM	NM	68.44	826.81	NM	NM	68.42	826.83
MW-35A	888.28	NM	NM	64.27	824.01	NM	NM	NM	NM
MW-35B	888.02	NM	NM	64.03	823.99	NM	NM	NM	NM
MW-37A	885.55	NM	NM	60.98	824.57	NM	NM	NM	NM
MW-37B	885.27	NM	NM	60.96	824.31	NM	NM	NM	NM
MW-38A	884.89	NM	NM	60.64	824.25	NM	NM	60.07	824.82
MW-38B	884.82	NM	NM	60.59	824.23	NM	NM	59.93	824.89
MW-38C	884.83	NM	NM	60.57	824.26	NM	NM	59.92	824.91
MW-41A	884.04	NM	NM	60.40	823.64	NM	NM	NM	NM
MW-41B	883.84	NM	NM	60.18	823.66	NM	NM	NM	NM
MW-43A	885.34	NM	NM	61.88	823.46	NM	NM	NM	NM
MW-43B	885.35	NM	NM	61.91	823.44	NM	NM	NM	NM
MW-49A	883.04	NM	NM	82.71	800.33	NM	NM	NM	NM
MW-49B	883.02	NM	NM	82.73	800.29	NM	NM	NM	NM

TABLE 3

2021 WATER LEVEL MEASUREMENTS⁽¹⁾

Well Group/ Well ID	Measuring Point Elevation (ft MSL)	3/16/2021 (Q1)		5/24-26/2021 (Q2)		8/31-9/1/2021 (Q3)		11/29/2021 (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-51A	884.02	NM	NM	68.73	815.29	NM	NM	NM	NM
MW-51B	883.99	NM	NM	68.63	815.36	NM	NM	NM	NM
MW-52A	884.13	NM	NM	71.63	812.50	NM	NM	NM	NM
MW-52B	884.12	NM	NM	71.56	812.56	NM	NM	NM	NM
MW-53A	887.93	NM	NM	81.69	806.24	NM	NM	NM	NM
MW-53B	888.25	NM	NM	81.77	806.48	NM	NM	NM	NM
MW-54A	882.42	NM	NM	81.80	800.62	NM	NM	NM	NM
MW-54B	882.43	NM	NM	81.86	800.57	NM	NM	NM	NM
MW-54C	882.54	NM	NM	81.79	800.75	NM	NM	NM	NM
MW-55A	881.75	NM	NM	84.38	797.37	NM	NM	NM	NM
MW-55B	882.08	NM	NM	84.77	797.31	NM	NM	NM	NM
MW-55C	881.91	NM	NM	84.46	797.45	NM	NM	NM	NM
MW-61A	879.37	NM	NM	86.55	792.82	NM	NM	NM	NM
MW-61B	879.58	NM	NM	86.71	792.87	NM	NM	NM	NM
MW-68A	896.47	NM	NM	70.91	825.56	NM	NM	70.82	825.65
MW-68B	896.77	NM	NM	71.22	825.55	71.38	825.39	71.08	825.69
MW-69A	898.02	NM	NM	72.58	825.44	NM	NM	72.54	825.48
MW-69B	898.23	NM	NM	72.79	825.44	NM	NM	72.74	825.49
MW-70A	893.49	66.43	827.06	67.19	826.30	67.48	826.01	67.12	826.37
MW-70B	893.52	NM	NM	67.26	826.26	67.52	826.00	67.19	826.33
MW-74A	896.08	NM	NM	70.30	825.78	NM	NM	70.22	825.86
MW-74B	895.88	NM	NM	70.02	825.86	NM	NM	69.96	825.92
MW-75	890.61	NM	NM	58.28	832.33	58.27	832.34	68.25	822.36
MW-76A	894.80	68.34	826.46	69.11	825.69	69.34	825.46	68.89	825.91
MW-76B	895.12	NM	NM	69.44	825.68	69.58	825.54	69.28	825.84
MW-77A	895.22	NM	NM	69.88	825.34	69.69	825.53	69.37	825.85
MW-77B	895.21	NM	NM	69.76	825.45	69.65	825.56	69.34	825.87
MW-77C	895.18	NM	NM	69.68	825.50	69.61	825.57	69.29	825.89
PW-2	894.46	NM	NM	68.50	825.96	NM	NM	68.16	826.30
RW-2A	897.18	NM	NM	71.68	825.50	71.86	825.32	71.62	825.56
RW-2B	896.78	NM	NM	71.23	825.55	71.43	825.35	71.18	825.60
RW-2C	897.57	NM	NM	72.53	825.04	72.25	825.32	72.00	825.57
RW-3A	881.78	NM	NM	87.65	794.13	NM	NM	85.27	796.51

TABLE 3

2021 WATER LEVEL MEASUREMENTS⁽¹⁾

Well Group/ Well ID	Measuring Point Elevation (ft MSL)	3/16/2021 (Q1)		5/24-26/2021 (Q2)		8/31-9/1/2021 (Q3)		11/29/2021 (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-3B	881.48	NM	NM	87.33	794.15	NM	NM	84.93	796.55
RW-3C	881.30	NM	NM	87.15	794.15	NM	NM	84.75	796.55
RW-15	874.76	NM	NM	65.07	809.69	NM	NM	NM	NM
RW-16	888.87	NM	NM	67.28	821.59	NM	NM	NM	NM
RW-16B	889.66	NM	NM	68.05	821.61	NM	NM	NM	NM
RW-16C	890.01	NM	NM	68.40	821.61	68.49	821.52	NM	NM
WW-15	882.61	NM	NM	58.19	824.42	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	75.16	826.30	NM	NM	NM	NM
MW-1	910.26	NM	NM	43.00	867.26	NM	NM	NM	NM
MW-5A	902.60	NM	NM	76.11	826.49	NM	NM	NM	NM
MW-6	904.70	NM	NM	78.30	826.40	NM	NM	NM	NM
MW-7	897.73	NM	NM	68.00	829.73	NM	NM	NM	NM
MW-13A	896.72	NM	NM	69.10	827.62	NM	NM	NM	NM
MW-18	898.38	NM	NM	64.35	834.03	NM	NM	NM	NM
MW-62AR	901.69	NM	NM	75.36	826.33	NM	NM	NM	NM
MW-62B	901.79	NM	NM	75.40	826.39	NM	NM	NM	NM
MW-63A	902.59	NM	NM	75.75	826.84	NM	NM	NM	NM
MW-65A	891.68	NM	NM	65.40	826.28	NM	NM	NM	NM
MW-65B	891.62	NM	NM	65.33	826.29	NM	NM	NM	NM
MW-65C	891.77	NM	NM	65.45	826.32	NM	NM	NM	NM
MW-66A	897.70	NM	NM	71.50	826.20	NM	NM	NM	NM
MW-66B	897.26	NM	NM	71.00	826.26	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 (2018-2021)

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	Level	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) ⁽¹⁾											
NS											
EW-6 (extraction well at Grid Coordinate K7) ⁽²⁾											
03/27/18	G	0.24	U	0.41	U	0.50	U	1.5		<i>0.87</i>	J
06/19/18	G	0.24	U	0.41	U	0.50	U	1.2		<i>0.75</i>	J
08/14/18	G	0.27	UA	0.24	UA	0.33	UA	1.0	JA	<i>0.75</i>	JA
12/10/18	G	0.27	U	0.24	U	0.33	U	0.93	J	<i>0.89</i>	J
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	1.55	A	0.58	UA	0.84	JA	1.9	A	<i>2.25</i>	A

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 (2018-2021)⁽¹⁾

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	
		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)											
03/29/18	M	0.24	UA	0.41	UA	0.50	UA	0.50	UA	1.28	JA
06/20/18	M	0.24	UA	0.41	UA	0.50	UA	0.50	UA	1.18	JA
08/14/18	M	0.27	U	0.24	U	0.33	U	0.24	U	1.7	
12/11/18	M	0.27	U	0.24	U	0.33	U	0.24	U	0.26	U
06/11/19	M	0.27	U	0.24	U	0.33	U	0.24	U	1.1	
06/09/20	M	0.27	UA	0.24	UA	0.33	UA	0.24	UA	0.93	JA
08/31/21	M	0.30	UA	0.58	UA	0.41	UA	0.30	UA	1.23	JA
EC-2 (monitoring well at Grid Coordinate C7 no longer scheduled for routine sampling)											
06/20/18	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
06/11/19	M	0.27	UA	0.24	UA	0.33	UA	0.24	UA	0.26	UA
EC-6 (monitoring well at Grid Coordinate C7 proposed to stop sampling in 2022)											
10/15/85	NR		NA		NA		NA		NA	4.9	
12/18/91	NR	0.6	J	0.2	U	0.2	U	3	J	1	J
06/15/92	NR		NA		NA		NA		NA	1	
06/20/92	NR		NA		NA		NA		NA	1	
05/11/95	NR	0.5	U	0.5	U	0.7	U	0.8	U	0.6	U
06/15/95	NR		NA		NA		NA		NA	1	
04/30/96	NR	0.7		0.4	U	0.4	U	1.3		1	
10/04/96	NR	0.2	U	0.3	U	0.2	U	0.5		0.6	
05/05/97	NR	0.4		0.3	U	0.2	U	0.6		0.6	
10/09/97	NR	0.2	U	0.2	U	0.2	U	0.3	U	0.2	
05/01/98	NR	0.3		0.3	U	0.2	U	3.8		2.6	
11/06/98	NR	0.2	U	0.5	U	0.7	U	0.7		0.7	
04/20/99	NR	0.2	U	0.2	U	0.2	U	0.223	J	0.18	U,CSH
05/20/99	NR	1	U	0.5	U	0.7	U	0.7	U	0.6	U
09/13/99	NR	1	U	0.5	U	0.7	U	0.7	U	0.6	U
10/08/99	NR	0.15	U	0.15	U	0.15	U	0.15	U	0.59	
05/24/00	NR	0.15	U	0.15	U	0.15	U	0.15	U	0.4	U
10/13/00	NR	0.15	U	0.15	U	0.15	U	0.15	U	0.243	J
05/10/01	NR	0.159	J	0.15	U	0.15	U	0.424	J	0.4	U
10/16/01	NR	0.38	U	0.38	U	0.26	U	0.2	U	0.26	U
04/22/02	NR	0.36	U	0.39	U,SPL	0.32	U,SPL	0.483	J	0.36	U
11/18/02	NR	0.36	U	0.39	U	0.32	U	0.42	U	0.36	U
04/10/03	NR	0.36	U	0.39	U	0.32	U	0.42	U	0.42	J
07/23/03	NR	0.36	U	0.39	U	0.32	U	0.42	U	0.36	U
07/13/04	NR	0.5	U	0.5	U	0.45	U	0.42	U	0.5	U
04/12/05	NR	0.5	U	0.5	U	0.45	U	0.42	U	0.5	U
10/12/05	NR	0.5	U	0.5	U	0.45	U	0.42	U	0.5	U
04/19/06	NR	0.5	U	0.5	U	0.45	U	0.42	U	0.5	U

TABLE 5

NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 1/2 MONITORING WELLS (2018-2021)⁽¹⁾

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	
06/20/07	NR	0.2	U	0.4	U	0.3	U	0.2	U	0.2	U
09/18/08	NR	0.2	U	0.4	U	0.3	U	0.23	J	0.4	U
09/22/09	L	0.4	U	0.4	U	0.3	U	0.5	U	0.4	U
10/05/10	M	0.4	U	0.4	U	0.3	U	0.5	U	0.4	U
04/21/11	M	0.4	U	0.4	U	0.3	U	0.5	U	0.4	U
10/19/11	M	0.4	U	0.4	U	0.3	U	0.5	U	0.4	U
10/10/12	M	0.75	U	0.57	U	0.45	U	0.90	U	0.48	U
07/03/13	M	0.28	U	0.43	U	0.47	U	0.44	U	0.43	U
06/18/14	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
06/17/15	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
06/15/16	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
06/14/17	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
06/20/18	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
06/11/19	M	0.27	U	0.24	U	0.33	U	0.24	U	0.26	U
06/09/20	M	0.27	U	0.24	U	0.33	U	0.24	U	0.26	U
08/31/21	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)											
08/14/18	M	0.27	U	0.24	U	0.33	U	0.24	U	0.26	U
08/19/19	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)											
03/27/18	M	0.33	J	0.41	U	0.50	U	0.50	U	0.42	J
06/18/18	M	0.24	U	0.41	U	0.50	U	0.50	U	0.34	J
08/14/18	M	0.27	U	0.24	U	0.33	U	0.24	U	0.34	J
12/10/18	M	0.27	U	0.24	U	0.33	U	0.24	U	0.26	J
03/25/19	M	0.27	U	0.24	U	0.33	U	0.24	U	0.29	J
06/10/19	M	0.27	U	0.24	U	0.33	U	0.24	U	0.36	J
12/03/19	M	0.27	U	0.24	U	0.33	U	0.24	U	0.26	U
06/08/20	M	0.48	J	0.24	U	0.33	U	0.34	J	0.33	J
05/24/21	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
MW-23A (monitoring well at Grid Coordinate J7)											
06/19/18	M	0.24	U	0.41	U	0.50	U	0.50	U	0.58	J
06/12/19	M	0.27	UA	0.24	UA	0.33	UA	0.24	UA	0.64	JA
06/10/20	M	0.27	U	0.24	U	0.33	U	0.24	U	0.38	J
05/25/21	M	0.30	U	0.58	U	0.41	U	0.30	U	0.43	J
MW-23B (piezometer at Grid Coordinate J7)											
06/19/18	M	0.24	U	0.41	U	0.50	U	0.50	U	1.9	
06/12/19	M	0.27	U	0.24	U	0.33	U	0.34	J	1.9	
06/10/20	M	0.27	U	0.24	U	0.33	U	0.24	U	1.8	
05/25/21	M	0.30	U	0.58	U	0.41	U	0.30	U	1.7	

TABLE 5

NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 1/2 MONITORING WELLS (2018-2021)⁽¹⁾

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-34A (monitoring well at Grid Coordinate K8)											
03/28/18	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
06/21/18	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
08/14/18	M	0.27	U	0.24	U	0.33	U	0.24	U	0.26	U
12/10/18	M	0.27	U	0.24	U	0.33	U	0.24	U	0.26	U
03/25/19	M	0.27	U	0.24	U	0.33	U	0.24	U	0.26	U
06/10/19	M	0.27	U	0.24	U	0.33	U	0.24	U	0.26	U
12/03/19	M	0.31	J	0.24	U	0.33	U	0.24	U	0.26	U
06/08/20	M	0.31	J	0.24	U	0.33	U	0.24	U	0.26	U
12/02/20	M	0.33	J	0.24	U	0.33	U	0.24	U	0.26	U
05/25/21	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
MW-34B (piezometer at Grid Coordinate K8 no longer scheduled for routine NPI VOC sampling)											
06/20/18	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
06/10/19	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)											
06/20/18	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
06/10/19	M	0.27	U	0.24	U	0.33	U	0.24	U	0.26	U
MW-35A (monitoring well at Grid Coordinate I7)											
06/19/18	M	0.24	U	0.41	U	0.50	U	0.50	U	1.8	
06/12/19	M	0.27	U	0.24	U	0.33	U	0.37	J	0.97	J
06/09/20	M	0.27	U	0.24	U	0.33	U	0.44	J	1.1	
05/25/21	M	0.30	U	0.58	U	0.41	U	0.30	U	0.98	J
MW-35B (piezometer at Grid Coordinate I7)											
06/19/18	M	0.24	U	0.41	U	0.50	U	0.50	U	1.1	
06/12/19	M	0.27	U	0.24	U	0.33	U	0.42	J	0.91	J
06/09/20	M	0.27	U	0.24	U	0.33	U	0.38	J	0.96	J
05/25/21	M	0.30	U	0.58	U	0.41	U	0.30	UJ	0.80	J
MW-38A (monitoring well at Grid Coordinate I8)											
06/19/18	M	0.24	U	0.41	U	0.50	U	0.50	U	1.9	
06/12/19	M	0.27	U	0.24	U	0.33	U	0.26	J	2.0	
06/08/20	M	0.27	U	0.24	U	0.33	U	0.24	U	1.9	
05/25/21	M	0.30	U	0.58	U	0.41	U	0.30	U	1.7	
MW-38B (piezometer at Grid Coordinate I8)											
06/19/18	M	0.24	U	0.41	U	0.50	U	0.51	J	2.9	
06/12/19	M	0.27	U	0.24	U	0.33	U	0.53	J	3.2	
06/08/20	M	0.27	UA	0.24	UA	0.33	UA	0.45	JA	2.9	A
05/25/21	M	0.30	UA	0.58	UA	0.41	UA	0.49	JA	3.5	A
MW-38C (piezometer at Grid Coordinate I8)											
06/19/18	M	0.24	U	0.41	U	0.50	U	0.50	U	1.5	
06/12/19	M	0.27	U	0.24	U	0.33	U	0.24	U	1.7	
06/08/20	M	0.27	U	0.24	U	0.33	U	0.24	U	1.4	

TABLE 5

NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 1/2 MONITORING WELLS (2018-2021)⁽¹⁾

Well ID Sample Date	Sample Method/ MCL/ES/PAL	NPI Volatile Organic Compound (VOC) Concentration (µg/l) and Results Qualifier(s)									
		I,I-DCA		I,I-DCE		PCE		I,I,TCA		TCE	
	Level	None/850/85	7/7/0.7	5/5/0.5	5/5/0.5	200/200/40	200/200/40	5/5/0.5	5/5/0.5		
05/25/21	M	0.30	U	0.58	U	0.41	U	0.30	U	1.4	
MW-41A (monitoring well at Grid Coordinate H8)											
06/19/18	M	0.24	U	0.41	U	0.50	U	0.50	U	2.5	
06/11/19	M	0.27	U	0.24	U	0.33	U	0.24	U	2.3	
06/10/20	M	0.27	U	0.24	U	0.33	U	0.24	U	2.1	
05/25/21	M	0.30	U	0.58	U	0.41	U	0.30	UJ	2.0	J
MW-41B (piezometer at Grid Coordinate H8)											
06/19/18	M	0.24	U	0.41	U	0.50	U	0.50	U	2.4	
06/11/19	M	0.27	U	0.24	U	0.33	U	0.24	U	1.8	
06/10/20	M	0.27	U	0.24	U	0.33	U	0.26	J	2.3	
05/25/21	M	0.30	U	0.58	U	0.41	U	0.30	UJ	2.2	J
MW-43A (monitoring well at Grid Coordinate H7)											
06/19/18	M	0.24	U	0.41	U	0.50	U	0.54	J	3.6	
06/11/19	M	0.27	U	0.24	U	0.33	U	0.30	J	1.7	
06/10/20	M	0.27	U	0.24	U	0.33	U	0.51	J	2.2	
05/25/21	M	0.30	U	0.58	U	0.41	U	0.30	UJ	1.7	J
MW-43B (piezometer at Grid Coordinate H7)											
06/19/18	M	0.24	U	0.41	U	0.50	U	0.50	U	1.5	
06/11/19	M	0.27	UA	0.24	UA	0.33	UA	0.35	JA	1.35	A
06/10/20	M	0.27	U	0.24	U	0.33	U	0.44	J	1.3	
05/25/21	M	0.30	U	0.58	U	0.41	U	0.30	UJ	1.1	J
MW-45A (monitoring well at Grid Coordinate F6 inadvertently destroyed by excavation contractor in late 2019)											
06/11/19	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)											
06/11/19	M	0.27	UA	0.24	UA	0.33	UA	0.24	UA	2.1	A
MW-45C (piezometer at Grid Coordinate F6 inadvertently destroyed by excavation contractor in the second half of 2019)											
06/11/19	M	0.27	U	0.24	U	0.33	U	0.24	U	1.8	
MW-49A (monitoring well at Grid Coordinate D6)											
06/11/19	M	0.27	U	0.24	U	0.33	U	0.24	U	0.50	J
05/26/21	M	0.30	U	0.58	U	0.41	U	0.30	U	0.41	J
MW-49B (piezometer at Grid Coordinate D6 proposed to stop sampling in 2022)											
12/91	NR	0.3		0.2	U	0.2	U	2		1	
04/03/08	NR	0.2	U	0.4	U	0.3	U	0.2	U	0.49	J
10/18/11	M	0.4	U	0.4	U	0.3	U	0.5	U	0.4	U
10/16/13	M	0.28	U	0.43	U	0.47	U	0.44	U	0.36	U
06/16/15	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	J
06/13/17	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
06/11/19	M	0.27	U	0.24	U	0.33	U	0.24	U	0.26	U
05/26/21	M	0.30	U	0.58	U	0.41	U	0.30	U	0.32	U

TABLE 5

NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 1/2 MONITORING WELLS (2018-2021)⁽¹⁾

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-51A (monitoring well at Grid Coordinate F6 proposed to stop sampling in 2022)											
12/91	NR	1		0.6		0.8		14		7	
04/02/08	NR	0.2	U	0.4	U	0.37	J	0.49	J	2.7	
10/18/11	M	0.4	U	0.4	U	0.48	J	0.5	U	3.02	
10/15/13	M	0.28	U	0.43	U	0.47	U	0.44	U	2.2	
06/16/15	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
06/13/17	M	0.24	U	0.41	U	0.50	U	0.50	U	0.64	J
06/11/19	M	0.27	UA	0.24	UA	0.33	UA	0.24	UA	0.28	JUA
05/26/21	M	0.30	U	0.58	U	0.41	U	0.30	U	0.32	U
MW-51B (piezometer at Grid Coordinate F6)											
06/20/18	M	0.24	U	0.41	U	0.50	U	0.50	U	4.0	
06/11/19	M	0.27	U	0.24	U	0.34	J	0.49	J	3.6	
06/11/20	M	0.27	U	0.24	U	0.33	U	0.38	J	3.5	
05/26/21	M	0.30	U	0.58	U	0.41	U	0.40	J	3.0	
MW-52A (monitoring well at Grid Coordinate F6)											
06/20/18	M	0.24	U	0.41	U	0.50	U	0.50	U	3.2	
06/11/19	M	0.27	U	0.24	U	0.35	J	0.24	U	2.5	
06/11/20	M	0.27	UA	0.24	UA	0.33	UA	0.38	JA	2.85	A
05/26/21	M	0.30	UA	0.58	UA	0.41	UA	0.31	JUA	3.0	A
MW-52B (piezometer at Grid Coordinate F6)											
06/20/18	M	0.24	U	0.41	U	0.50	U	0.50	U	3.5	
06/11/19	M	0.27	U	0.24	U	0.33	U	0.46	J	3.8	
06/11/20	M	0.27	U	0.24	U	0.33	U	0.36	J	2.7	
05/26/21	M	0.30	U	0.58	U	0.41	U	0.37	J	3.0	
MW-53A (monitoring well at Grid Coordinate E6)											
06/11/19	M	0.27	U	0.24	U	0.33	U	0.24	U	1.7	
05/26/21	M	0.30	U	0.58	U	0.41	U	0.30	U	1.5	
MW-53B (piezometer at Grid Coordinate E6)											
06/20/18	M	0.24	U	0.41	U	0.50	U	0.50	U	3.4	
06/11/19	M	0.27	U	0.24	U	0.33	U	0.37	J	3.1	
06/11/20	M	0.27	U	0.24	U	0.33	U	0.32	J	2.9	
05/26/21	M	0.30	U	0.58	U	0.41	U	0.32	J	2.5	
MW-54A (monitoring well at Grid Coordinate D6 proposed to stop sampling in 2022)											
12/91	NR	0.2	U	0.3	U	0.3	U	3		1	
04/03/08	NR	0.2	U	0.4	U	0.3	U	0.2	U	0.53	J
10/18/11	M	0.4	U	0.4	U	0.3	U	0.5	U	0.4	U
10/16/13	M	0.28	U	0.43	U	0.47	U	0.44	U	0.36	U
06/16/15	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
06/13/17	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
06/11/19	M	0.27	U	0.24	U	0.33	U	0.24	U	0.26	U
05/26/21	M	0.30	U	0.58	U	0.41	U	0.30	U	0.32	U

TABLE 5

NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 1/2 MONITORING WELLS (2018-2021)⁽¹⁾

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-54B (piezometer at Grid Coordinate D6)											
06/20/18	M	0.24	U	0.41	U	0.50	U	0.50	U	3.6	
06/11/19	M	0.27	U	0.24	U	0.33	U	0.38	J	3.8	
06/11/20	M	0.27	U	0.24	U	0.33	U	0.37	J	3.2	
05/26/21	M	0.30	U	0.58	U	0.41	U	0.30	U	3.0	
MW-54C (piezometer at Grid Coordinate D6)											
06/20/18	M	0.24	U	0.41	U	0.50	U	0.53	J	4.0	
06/11/19	M	0.27	U	0.24	U	0.33	U	0.43	J	4.1	
06/11/20	M	0.27	U	0.24	U	0.33	U	0.39	J	3.4	
05/26/21	M	0.30	U	0.58	U	0.41	U	0.35	J	3.7	
MW-55B (piezometer at Grid Coordinate D6)											
06/20/18	M	0.24	U	0.41	U	0.50	U	0.50	U	2.1	
06/11/19	M	0.27	U	0.24	U	0.33	U	0.24	U	1.6	
06/11/20	M	0.27	U	0.24	U	0.33	U	0.24	U	1.7	
05/26/21	M	0.30	U	0.58	U	0.41	U	0.30	U	1.7	
MW-55C (piezometer at Grid Coordinate D6)											
06/20/18	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
06/11/19	M	0.27	U	0.24	U	0.33	U	0.24	U	0.26	U
05/26/21	M	0.30	U	0.58	U	0.41	U	0.30	U	0.32	J
MW-68A (monitoring well at Grid Coordinate J7)											
03/27/18	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	J
06/18/18	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
08/14/18	M	0.27	U	0.24	U	0.33	U	0.24	U	0.40	J
12/10/18	M	0.27	U	0.24	U	0.33	U	0.24	U	0.30	J
03/25/19	M	0.27	U	0.24	U	0.33	U	0.24	U	0.39	J
06/10/19	M	0.27	U	0.24	U	0.33	U	0.24	U	0.33	J
12/03/19	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	0.40	J
MW-68B (piezometer at Grid Coordinate J7)											
03/27/18	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
06/18/18	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
08/14/18	M	0.27	U	0.24	U	0.33	U	0.24	U	0.27	J
12/10/18	M	0.27	U	0.24	U	0.33	U	0.24	U	0.26	U
03/25/19	M	0.27	U	0.24	U	0.33	U	0.24	U	0.26	U
06/10/19	M	0.27	U	0.24	U	0.33	U	0.24	U	0.26	J
12/03/19	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
12/02/20	M	0.27	U	0.24	U	0.33	U	0.24	U	0.34	J
05/24/21	M	0.30	U	0.58	U	0.41	U	0.30	U	0.32	U

TABLE 5

NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 1/2 MONITORING WELLS (2018-2021)⁽¹⁾

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-70A (monitoring well at Grid Coordinate K8)											
03/28/18	M	0.27	J	0.41	U	0.50	U	0.50	U	0.54	J
06/21/18	M	0.44	J	0.41	U	0.50	U	0.50	U	0.51	J
08/14/18	M	0.27	U	0.24	U	0.33	U	0.24	U	0.52	J
12/10/18	M	0.35	J	0.24	U	0.33	U	0.24	U	0.29	J
03/25/19	M	0.27	U	0.24	U	0.33	U	0.24	U	0.88	J
06/10/19	M	0.27	U	0.24	U	0.33	U	0.24	U	1.0	J
08/19/19	M	0.27	U	0.24	U	0.33	U	0.24	U	0.71	J
12/03/19	M	0.27	U	0.24	U	0.33	U	0.24	U	0.38	J
04/27/20	M	0.36	J	0.24	U	0.33	U	0.24	U	0.58	J
06/08/20	M	0.40	J	0.24	U	0.33	U	0.24	U	0.63	J
08/24/20	M	0.27	U	0.24	U	0.33	U	0.24	U	0.59	J
12/02/20	M	0.27	U	0.24	U	0.33	U	0.24	U	0.46	J
03/16/21	M	0.27	UJ	0.24	U	0.33	U	0.24	U	0.62	J
05/24/21	M	0.30	U	0.58	U	0.41	U	0.30	U	0.46	J
08/31/21	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
MW-70B (piezometer at Grid Coordinate K8 no longer scheduled for routine NPI VOC sampling)											
08/14/18	M	0.27	U	0.24	U	0.33	U	0.24	U	0.26	U
08/19/19	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)											
06/18/18	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
06/10/19	M	0.27	U	0.24	U	0.33	U	0.24	U	0.26	U
MW-76A (monitoring well at Grid Coordinate K7)											
03/27/18	M	0.24	UA	0.41	UA	0.50	UA	0.50	JUA	0.33	UA
06/19/18	M	0.24	U	0.41	U	0.56	J	0.62	J	0.33	U
08/14/18	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
03/25/19	M	0.27	U	0.24	U	0.33	U	0.24	U	0.28	J
06/10/19	M	0.27	U	0.24	U	0.33	U	0.34	J	0.34	J
08/19/19	M	0.27	U	0.24	U	0.33	U	0.40	J	0.26	U
12/03/19	M	0.27	UA	0.24	UA	0.33	UA	0.27	JUA	0.26	UA
04/27/20	M	0.27	UA	0.24	UA	0.40	JA	0.33	JA	0.29	JA
06/08/20	M	0.27	UA	0.24	UA	0.33	UA	0.24	UA	0.26	UA
08/24/20	M	0.27	U	0.24	U	0.33	U	0.24	U	0.26	U
12/02/20	M	0.27	UA	0.24	UA	0.33	UA	0.93	JA	0.26	UA
03/16/21	M	0.27	UJ	0.24	U	0.49	J	2.9		0.37	J
05/24/21	M	0.30	UA	0.58	UA	0.45	JUA	2.3	JA	0.32	UJA
08/31/21	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

TABLE 5

NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 1/2 MONITORING WELLS (2018-2021)⁽¹⁾

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-76B (piezometer at Grid Coordinate K7 no longer scheduled for routine sampling)											
06/19/18	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
06/10/19	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)											
03/27/18	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
06/19/18	M	0.24	UA	0.41	UA	0.50	UA	0.50	UA	0.66	JA
08/14/18	M	0.27	UA	0.24	UA	0.33	UA	0.27	JA	0.66	JA
12/10/18	M	0.27	UA	0.24	UA	0.33	UA	0.25	JA	1.53	JA
03/25/19	M	0.27	U	0.24	U	0.33	U	0.25	J	1.2	
06/10/19	M	0.27	U	0.24	U	0.33	U	0.33	J	1.4	
08/19/19	M	0.27	U	0.24	U	0.33	U	0.25	J	1.0	
12/03/19	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
12/02/20	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	0.38	J
11/29/21	M	0.30	U	0.58	U	0.41	U	0.30	U	0.54	J
MW-77B (piezometer at Grid Coordinate K7)											
03/27/18	M	0.24	U	0.41	U	0.50	U	0.50	U	1.4	
06/19/18	M	0.24	U	0.41	U	0.50	U	0.50	U	2.3	
08/14/18	M	0.27	U	0.24	U	0.33	U	0.38	J	2.1	
12/10/18	M	0.27	U	0.24	U	0.33	U	0.24	U	2.2	
03/25/19	M	0.27	U	0.24	U	0.33	U	0.27	J	1.9	
06/10/19	M	0.27	U	0.24	U	0.33	U	0.28	J	2.0	
08/19/19	M	0.27	U	0.24	U	0.33	U	0.26	J	1.8	
12/03/19	M	0.27	U	0.24	U	0.33	U	0.24	U	1.6	
06/08/20	M	0.27	U	0.24	U	0.33	U	0.24	U	1.8	
12/02/20	M	0.27	U	0.24	U	0.33	U	0.24	U	1.6	
05/24/21	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
MW-77C (piezometer at Grid Coordinate K7)											
06/19/18	M	0.24	U	0.41	U	0.50	U	0.50	U	0.68	J
06/10/19	M	0.27	U	0.24	U	0.33	U	0.24	U	0.73	J
06/08/20	M	0.27	U	0.24	U	0.33	U	0.24	U	0.57	J
05/24/21	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
RW-2A (monitoring well at Grid Coordinate J7)											
06/19/18	M	0.24	U	0.41	U	0.50	U	0.50	U	0.91	J
06/12/19	M	0.27	U	0.24	U	0.33	U	0.24	U	1.1	
06/10/20	M	0.27	U	0.24	U	0.33	U	0.24	U	0.98	J
05/25/21	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

TABLE 5

NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 1/2 MONITORING WELLS (2018-2021)⁽¹⁾

Well ID Sample Date	Sample Method/ MCL/ES/PAL	NPI Volatile Organic Compound (VOC) Concentration (µg/l) and Results Qualifier(s)									
		I,I-DCA		I,I-DCE		PCE		I,I,TCA		TCE	
	Level	None/850/85		7/7/0.7		5/5/0.5		200/200/40		5/5/0.5	
RW-2B (piezometer at Grid Coordinate J7)											
06/19/18	M	0.24	UA	0.41	UA	0.50	UA	0.50	UA	2.05	A
06/12/19	M	0.27	UA	0.24	UA	0.33	UA	0.41	JA	2.05	A
06/10/20	M	0.27	U	0.24	U	0.33	U	0.30	J	2.0	
05/25/21	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	
RW-2C (piezometer at Grid Coordinate J7)											
06/19/18	M	0.24	U	0.41	U	0.50	U	0.50	U	1.8	
06/12/19	M	0.27	U	0.24	U	0.33	U	0.28	J	1.6	
06/10/20	M	0.27	U	0.24	U	0.33	U	0.24	U	1.7	
05/25/21	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	
RW-3A (monitoring well at Grid Coordinate C6)											
06/19/18	M	0.24	U	0.41	U	0.50	U	0.50	U	1.5	
12/11/18	M	0.27	U	0.24	U	0.33	U	0.24	U	1.8	
06/11/19	M	0.27	U	0.24	U	0.33	U	0.24	U	1.8	
12/04/19	M	0.27	UA	0.24	UA	0.33	UA	0.24	UA	1.6	A
06/09/20	M	0.27	UA	0.24	UA	0.33	UA	0.24	UA	1.85	A
05/25/21	M	0.30	UA	0.58	UA	0.41	UA	0.30	UJA	1.25	JA
RW-3B (piezometer at Grid Coordinate C6)											
06/19/18	M	0.24	UA	0.41	UA	0.50	UA	0.50	UA	3.45	A
12/11/18	M	0.27	UA	0.24	UA	0.33	UA	0.34	JA	3.4	A
06/11/19	M	0.27	U	0.24	U	0.33	U	0.24	U	2.8	
12/04/19	M	0.27	U	0.24	U	0.33	U	0.36	J	2.2	
06/09/20	M	0.27	U	0.24	U	0.33	U	0.32	J	3.1	
12/02/20	M	0.27	U	0.24	U	0.33	U	0.24	U	2.5	
05/25/21	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	
RW-3C (piezometer at Grid Coordinate C6)											
06/19/18	M	0.24	U	0.41	U	0.50	U	0.50	U	3.6	
12/11/18	M	0.27	UA	0.24	UA	0.33	UA	0.30	JA	3.5	A
06/11/19	M	0.27	U	0.24	U	0.33	U	0.28	J	3.2	
12/04/19	M	0.27	U	0.24	U	0.33	U	0.38	J	3.3	
06/09/20	M	0.27	U	0.24	U	0.33	U	0.37	J	3.6	
12/02/20	M	0.27	U	0.24	U	0.33	U	0.24	U	3.2	
05/25/21	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	
RW-15 (monitoring well at Grid Coordinate J7)											
06/19/18	M	0.24	UA	0.41	UA	0.50	UA	0.60	JA	3.45	A
06/12/19	M	0.27	U	0.24	U	0.33	U	0.38	J	3.2	
06/08/20	M	0.27	U	0.24	U	0.33	U	0.31	J	3.1	
05/25/21	M	0.30	U	0.58	U	0.41	U	0.30	U	2.3	

TABLE 5

NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 1/2 MONITORING WELLS (2018-2021)⁽¹⁾

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	
RW-16 (monitoring well at Grid Coordinate G7)											
06/19/18	M	0.24	U	0.41	U	0.50	U	0.50	U	2.2	
06/11/19	M	0.27	U	0.24	U	0.33	U	0.24	U	1.9	
06/09/20	M	0.27	U	0.24	U	0.33	U	0.24	U	2.2	
05/25/21	M	0.30	U	0.58	U	0.41	U	0.30	UJ	1.9	J
RW-16B (piezometer at Grid Coordinate G7)											
06/19/18	M	0.24	U	0.41	U	0.50	U	0.50	U	3.2	
06/11/19	M	0.27	U	0.24	U	0.33	U	0.28	J	2.6	
06/09/20	M	0.27	U	0.24	U	0.33	U	0.29	J	2.9	
05/25/21	M	0.30	U	0.58	U	0.41	U	0.30	UJ	2.6	J
RW-16C (piezometer at Grid Coordinate G7)											
06/19/18	M	0.24	U	0.41	U	0.50	U	0.50	U	3.3	
06/11/19	M	0.27	U	0.24	U	0.33	U	0.24	U	2.4	
06/09/20	M	0.27	U	0.24	U	0.33	U	0.24	U	3.1	
08/31/21	M	0.30	U	0.58	U	0.41	U	0.30	U	2.6	
WW-15 (monitoring well at Grid Coordinate I8)											
06/19/18	M	0.24	U	0.41	U	0.50	U	0.50	U	0.73	J
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	0.46	J
05/25/21	M	0.30	U	0.58	U	0.41	U	0.30	U	0.40	J

TABLE 5

NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 1/2 MONITORING WELLS (2018-2021)⁽¹⁾

NOTES:

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

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

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

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

B = Compound detected in blank.

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

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

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

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

E = Concentration exceeds calibration range of instrument.

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

J = Estimated concentration below laboratory quantitation level.

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

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

NA = Not analyzed.

NS = Not sampled.

R = Unusable.

S1H = First sample matrix spike recovery was high.

S2H = Second sample matrix spike recovery was high.

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

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

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

SAMPLE METHOD/LEVEL KEY:

B = Bailer.

HS = HydraSleeve.

LF = Low flow.

NR = Not recorded until 2009.

PDB = Passive diffusion bag.

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

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

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

FOOTNOTE:

(1) EC-6, MW-49B, MW-51A, and MW-54A 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 (2018-2021)

Date	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)								
03/29/18	(10)	0.14 U	(10)	0.12 U	(10)	0.13 U	(10)	0.11 U
08/14/18	(10)	0.16 U	(10)	0.17 U	(10)	0.19 U	(10)	0.12 U
12/11/18	(10)	0.16 U	(10)	0.17 U	(10)	0.19 U	(10)	0.12 U
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	Not in service on 12/02/20 and, starting in 2021, no longer scheduled for routine sampling							
City Well 19 (CW-19)								
03/29/18	(10)	0.14 U	(10)	0.12 U	(10)	0.13 U	(10)	0.73
08/14/18	(10)	0.16 U	(10)	0.17 U	(10)	0.19 U	(10)	0.97
12/11/18	(10)	0.16 U	(10)	0.17 U	(10)	0.19 U	(10)	0.62
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	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)								
03/29/18	(10)	0.14 U	(10)	0.12 U	(10)	0.32 J	(10)	2.7
08/14/18	(10)	0.16 U	(10)	0.17 U	(10)	0.19 U	(10)	2.0
12/11/18	(10)	0.16 U	(10)	0.41 J	(10)	0.59 J	(10)	2.7
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	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)								
03/29/18	(10)	0.14 U	(10)	0.12 U	(10)	0.13 U	(10)	0.15 J
08/14/18	(10)	0.16 U	(10)	0.17 U	(10)	0.19 U	(10)	0.12 U
12/11/18	(10)	0.16 U	(10)	0.17 U	(10)	0.19 U	(10)	0.12 U
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	Not in service for drinking water supply; see text of annual report for details							
Commingled untreated raw water prior to air stripping ⁽¹⁾								
03/29/18	(10)	0.14 U	(10)	0.12 U	(10)	0.13 U	(10)	0.50
08/14/18	(10)	0.16 U	(10)	0.17 U	(10)	0.19 U	(10)	1.1
12/11/18	(10)	0.16 U	(10)	0.17 U	(10)	0.19 U	(10)	0.36 J
06/11/19	(10)	0.16 U	(10)	0.17 U	(10)	0.19 U	(10)	0.80

TABLE 6

NPI VOC ANALYTICAL RESULTS FROM THE EAU CLAIRE MUNICIPAL WELL FIELD (2018-2021)

Date	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	
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	Air stripper not in service; see text of annual report for details							
Tower A (North) - discharge from air stripper ⁽²⁾								
03/29/18	(10)	0.14 U	(10)	0.12 U	(10)	0.13 U	(10)	0.11 U
08/14/18	(10)	0.16 U	(10)	0.17 U	(10)	0.19 U	(10)	0.12 U
12/11/18	(10)	0.16 U	(10)	0.17 U	(10)	0.19 U	(10)	0.12 U
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	Air stripper not in service; see text of annual report for details							
Tower B (South) - discharge from air stripper ⁽³⁾								
03/29/18	(10)	0.14 U	(10)	0.12 U	(10)	0.13 U	(10)	0.11 U
08/14/18	(10)	0.16 U	(10)	0.17 U	(10)	0.19 U	(10)	0.12 U
12/11/18	(10)	0.16 U	(10)	0.17 U	(10)	0.19 U	(10)	0.12 U
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	Air stripper not in service; see text of annual report for details							
Commingled treated water after chlorination (finished water entering the city distribution system) ⁽⁴⁾								
03/29/18	(10)	0.14 U	(10)	0.12 U	(10)	0.13 U	(10)	0.11 U
08/14/18	(10)	0.16 U	(10)	0.17 U	(10)	0.19 U	(10)	0.12 U
12/11/18	(10)	0.16 U	(10)	0.17 U	(10)	0.19 U	(10)	0.12 U
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

TABLE 6

NPI VOC ANALYTICAL RESULTS FROM THE EAU CLAIRE MUNICIPAL WELL FIELD (2018-2021)

NOTES:

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

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

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

Samples collected jointly by Gannett Fleming (GF) field staff and a City of Eau Claire Water Department representative.

GF samples analyzed by U.S. Filter using EPA Method 524.2 (Safe Drinking Water Act required method), and city samples analyzed in-house using EPA Method 8260.

J = Estimated concentration below laboratory quantitation level.

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

NS = Not sampled.

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

FOOTNOTES:

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

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

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

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

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

TABLE 7

SUMMARY OF RESULTS FROM WELLS ROUTINELY SAMPLED FOR DISSOLVED CADMIUM ANALYSIS (2018-2021)

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
3/28/18	HS	NS	NS	NS	NS	18.9	NS	NS	NS	NS	NS	NS	NS	NS	NS
6/21/18	HS	NS	NS	NS	NS	18.4	NS	7.8	NS	NS	NS	NS	NS	NS	NS
8/14/18	HS	NS	NS	1.3 U	1.3 U	17.9	1.3 U	6.0	1.8 J	1.3 U	1.3 U	3.2 J	1.3 U	3.4 J	2.4 J
12/10/18	HS	NS	NS	NS	NS	16.1	NS	NS	NS	NS	NS	NS	NS	NS	NS
3/25/19	HS	NS	NS	NS	NS	14.4	NS	5.5	NS	NS	NS	NS	NS	NS	NS
6/10/19	HS	NS	NS	NS	NS	15.1	NS	NS	NS	NS	NS	NS	NS	NS	NS
8/19/19	HS	NS	NS	NS	NS	21.3	1.3 U	2.1 J	2.1 J	NS	NS	3.1 J	NS	5.0 J	2.1 J
12/3/19	HS	NS	NS	NS	NS	20.4	NS	NS	NS	NS	NS	NS	NS	NS	NS
4/27/20	HS	NS	NS	NS	NS	18.6	NS	1.3 U	NS	NS	NS	NS	NS	NS	NS
6/8/20	HS	NS	NS	NS	NS	18.7	NS	NS	NS	NS	NS	NS	NS	NS	NS
8/24/20	HS	NS	NS	NS	NS	23.4	1.3 U	3.9 J	2.1 J	NS	NS	3.5 J	NS	5.8	1.8 J
12/2/20	HS	NS	NS	NS	NS	21.4	NS	NS	NS	NS	NS	NS	NS	NS	NS
3/16/21	HS	NS	NS	NS	NS	16.7	NS	3.4 J	NS	NS	NS	NS	NS	NS	NS
5/24/21	HS	NS	NS	NS	NS	14.7	NS	NS	NS	NS	NS	NS	NS	NS	NS
8/31/21	HS	NS	NS	NS	NS	16.2	1.3 U	6.4	2.1 J	NS	NS	3.3 J	NS	9.7	2.4 J
11/29/21	HS	NS	NS	NS	NS	16.5	NS	NS	NS	NS	NS	NS	NS	NS	NS

TABLE 7

SUMMARY OF RESULTS FROM WELLS ROUTINELY SAMPLED FOR DISSOLVED CADMIUM ANALYSIS (2018-2021)

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 (see below for historical FNs since 6/8/11) and used to indicate dates when samples were collected using HydraSleeves.

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.

FOOTNOTES:

(1) Wells MW-10A&B, MW-34B, and MW-70B were sampled using USEPA Jan. 2010 low-stress (low-flow) protocol; MW-34A and MW-70A were sampled using bailers.

(2) Unfiltered ($19.3 \mu\text{g}/\ell$) and filtered ($19.4 \mu\text{g}/\ell$) samples were collected from MW-10A using USEPA Jan 2010 low-stress (low-flow) protocol.

(3) Sampled well/piezometer using a HydraSleeve (HS), except EW-6 was a grab sample from pumped groundwater.

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

TABLE 8

NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 3/4 MONITORING WELLS (2018-2021)⁽¹⁾

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	
MW-1 (monitoring well at Grid Coordinate M8 proposed for abandonment in 2022)											
1/88	NR	0.24	U	0.24	U	0.15	U	0.15	U	0.15	U
10/88	NR	0.24	U	0.24	U	0.34	U	3.4	J	0.21	U
04/03/08	NR	0.44	J	0.4	U	0.3	U	0.2	U	0.4	U
MW-5A (monitoring well at Grid Coordinate L6)											
06/18/18	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
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-7 (monitoring well at Grid Coordinate M6 proposed for abandonment in 2022)											
1/88	NR	0.24	U	0.24	U	0.15	U	1.1		0.15	U
10/88	NR	0.24	U	0.24	U	2.4		1.3	J	0.21	U
MW-12A (monitoring well at Grid Coordinate L7 proposed for abandonment in 2022)											
1/88	NR	0.24	U	0.24	U	0.15	U	0.15	U	0.15	U
10/88	NR	0.24	U	0.29	U	0.34	U	0.44	J	0.21	U
04/13/05	NR	0.5	U	0.5	U	0.45	U	0.42	U	0.5	U
07/12/05	NR	0.5	U	0.5	U	0.45	U	0.42	U	0.5	U
MW-13A (monitoring well at Grid Coordinate L7 proposed for abandonment in 2022)											
1/88	NR	0.24	U	0.24	U	0.15	U	0.3		0.5	
10/88	NR	0.24	U	0.29	U	0.34	U	0.43	J	0.75	
4/91	NR	0.2	ND	0.2	ND	0.2	ND	0.2	ND	0.36	ND
10/27/94	NR	0.2	ND	0.2	ND	0.2	ND	0.2	ND	0.36	ND
04/19/95	NR	0.2	ND	0.2	ND	0.2	ND	0.2	ND	0.36	ND
10/09/95	NR	0.2	ND	0.2	ND	0.2	ND	0.2	ND	0.36	ND
04/17/96	NR	0.2	ND	0.2	ND	0.2	ND	0.22		0.36	ND
10/01/96	NR	0.2	ND	0.2	ND	0.18		0.29		0.16	
05/20/97	NR	0.2	ND	0.2	ND	0.2	ND	0.18		0.36	ND
10/22/97	NR	0.4	U	0.5	U	0.6	U	0.7	U	0.4	U
04/21/98	NR	0.2	U	0.2	U	0.2	U	0.268		0.36	U
10/27/98	NR	0.2	U	0.2	U	0.2	U	0.2	U	0.36	U
07/12/05	NR	0.5	U	0.5	U	0.45	U	0.42	U	0.5	U

TABLE 8

NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 3/4 MONITORING WELLS (2018-2021)⁽¹⁾

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-62AR (monitoring well at Grid Coordinate L6)												
	06/18/18	M	0.24	UA	0.41	UA	0.50	UA	0.50	UA	0.33	UA
	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
MW-62B (piezometer at Grid Coordinate L6)												
	06/18/18	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
	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)												
	06/18/18	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
	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)												
	06/19/18	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
	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)												
	06/19/18	M	0.24	U	0.41	U	0.50	U	0.50	U	0.72	J
	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
MW-66B (piezometer at Grid Coordinate L6 no longer scheduled for routine sampling)												
	06/18/18	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
	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 (2018-2021)⁽¹⁾

NOTES:

- Concentrations are in micrograms per liter (µg/L)/parts per billion (ppb).
- Detected concentrations at or above an applicable NR 140 PAL are in red font and italicized.
- Detected concentrations at or above an applicable MCL/NR 140 ES are in red font and bold.
- A = Average of original sample and duplicate. Began this approach in 2014.
- B = Compound detected in blank.
- CSH = Check standard for this analyte exhibited a high bias. Sample results may also be biased high.
- CSL = Check standard for this analyte exhibited a low bias. Sample results may also be biased low.
- D = Indicates initial analysis exceeded the calibration range, was diluted and re-analyzed.
- Dup = Result of duplicate analysis in this quality assurance batch exceeds the limits for precision.
- E = Concentration exceeds calibration range of instrument.
- ISH = Internal standard recovery exceeds normal limits. Sample results may be biased low.
- J = Estimated concentration below laboratory quantitation level.
- MSH = Matrix spike recovery within analytical batch was high. Sample matrix appears similar to your sample; result may be biased high.
- MSL = Matrix spike recovery within analytical batch was low. Sample matrix appears similar to your sample; result may be biased low.
- NA = Not analyzed.
- NS = Not sampled.
- R = Unusable.
- S1H = First sample matrix spike recovery was high.
- S2H = Second sample matrix spike recovery was high.
- SPH = Matrix spike recovery within analytical batch was high. Sample matrix appears similar to your sample; result may be biased high.
- SPL = Matrix spike recovery within analytical batch was low. Sample matrix appears similar to your sample; result may be biased low.
- U = Compound not detected at or above the detection limit, which is the value shown.

SAMPLE METHOD/LEVEL KEY:

- B = Bailer.
- HS = HydraSleeve.
- LF = Low flow.
- NR = Not recorded until 2009.
- PDB = Passive diffusion bag.
- H = PDB or HS in upper portion of saturated screened interval.
- M = PDB or HS in middle portion of saturated screened interval.
- L = PDB or HS in lower portion of saturated screened interval.

FOOTNOTE:

(1) MW-1, MW-7, MW-12A, and MW-13A include all historical NPI VOC analytical data given that they are proposed for abandonment.

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

TABLE 9

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

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	
EW-1/1R (extraction well at Grid Coordinate L6) ^(1,2)											
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) ⁽¹⁾											
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

TABLE 9

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

Well ID	Sample Date	Sample Method/ MCL/ES/PAL	Sample 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	
	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 (2018-2021)

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	
2018	NO	NO	NO	abnd	abnd	NO	87.72	87.72	87.72
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
TOTALS ⁽¹⁾	822.90	713.09	1,535.99	251.59	1,097.19	935.49	909.79	3,194.06	4,730.05

NOTES:

Units are in millions of gallons (MG).

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

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

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

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

EW-6 began operating in late October 2011. Temporary trial shutdowns were conducted in 2016 and 2021.

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.
EAU CLAIRE, WISCONSIN

TABLE 11

TCA IN NPI PUMPED GROUNDWATER & ESTIMATED PERCENT REMOVAL BY CASCADE AERATION (2018-2021)

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				
03/27/18		NO	NO	NO	na	abnd	abnd	NO	1.5		NS	37	0.94	J
06/19/18		NO	NO	NO	na	abnd	abnd	NO	1.2		NS	58	0.50	U
08/14/18		NO	NO	NO	na	abnd	abnd	NO	1.0	JA	NS	31	0.71	J
12/10/18		NO	NO	NO	na	abnd	abnd	NO	0.93	J	NS	52	0.45	J
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	

NOTES:
 Concentrations are in micrograms per liter (µg/l) & sampling frequency was reduced from monthly to quarterly after November 1998.
 A = Average of original sample and duplicate. Began this approach in 2014.
 abnd = Abandoned and not operating.
 FN = Footnotes (see below, if any).
 J = Estimated concentration below laboratory quantitation level.
 na = Not applicable.
 NI = Not installed and operating.
 NO = Not operating.
 NS = Not sampled.
 RQ = Results qualifier.
 U = Compound not detected at or above this value, which is the detection limit.

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

TABLE 12

TCE IN NPI PUMPED GROUNDWATER & ESTIMATED PERCENT REMOVAL BY CASCADE AERATION (2018-2021)

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	
		EW-1/1R	EW-2			EW-3	EW-4	EW-5	EW-6	RQ			Effluent	RQ
03/27/18		NO	NO	NO	na	abnd	abnd	NO	0.87	J	NS	22	0.68	J
06/19/18		NO	NO	NO	na	abnd	abnd	NO	0.75	J	NS	39	0.46	J
08/14/18		NO	NO	NO	na	abnd	abnd	NO	0.75	JA	NS	23	0.57	J
12/10/18		NO	NO	NO	na	abnd	abnd	NO	0.89	J	NS	54	0.41	J
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	

NOTES:
 Concentrations are in micrograms per liter (µg/l) & sampling frequency was reduced from monthly to quarterly after November 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.

TABLE 13

SUMMARY OF RESULTS FROM MANHOLE MH-18 SAMPLING (2018-2021)

Method or Group (units) Analyte/Parameter	2018 Sample Dates and Result			
	3/27/18	6/19/18	8/14/18 ⁽³⁾	12/10/18
EPA 150.1 (standard units)				
Field pH	7.2	7.3	7.1	7.4
EPA 6010 (mg/ℓ)				
Hardness as CaCO ₃	NA	NA	52.5	NA
EPA 6010/6020 (mg/L)				
Total Arsenic	NA	NA	<0.28	NA
Total Cadmium	NA	NA	0.13 J	NA
Total Chromium	NA	NA	2.6 J	NA
Total Copper	NA	NA	2.5 J	NA
Total Lead	NA	NA	<0.20	NA
Total Nickel	NA	NA	4.0	NA
Total Selenium	NA	NA	3.2	NA
Total Silver	NA	NA	<0.10	NA
Total Zinc	NA	NA	12 J	NA
Trivalent Chromium	NA	NA	NA	NA
EPA 7196A (mg/ℓ)				
Hexavalent Chromium	NA	NA	<5.1	NA
NPI VOCs (μg/ℓ) ⁽⁴⁾				
1,1,1-Trichloroethane	0.94 J	<0.50	0.71 J	0.45 J
1,1-Dichloroethane	<0.24	<0.24	<0.24	<0.27
1,1-Dichloroethylene	<0.41	<0.41	<0.41	<0.24
Tetrachloroethylene	<0.50	<0.50	<0.50	<0.33
Trichloroethylene	0.68 J	0.46 J	0.57 J	0.41 J
PAHs (μg/ℓ) ⁽⁵⁾				
Acenaphthene	NA	NA	<0.92	NA
Acenaphthylene	NA	NA	<0.96	NA
Anthracene	NA	NA	<0.0036	NA
Benzo(a)Anthracene	NA	NA	<0.0046	NA
Benzo(a)Pyrene	NA	NA	<0.0040	NA
Benzo(b)Fluoranthene	NA	NA	<0.0048	NA
Benzo(ghi)Perylene	NA	NA	<0.0032	NA
Benzo(k)Fluoranthene	NA	NA	<0.0051	NA
Chrysene	NA	NA	<0.0038	NA
Dibenz(a,h)Anthracene	NA	NA	<0.0050	NA
Fluoranthene	NA	NA	<0.0085	NA
Fluorene	NA	NA	0.027 J	NA
Indeno(1,2,3-cd)Pyrene	NA	NA	<0.0032	NA
1-Methyl Naphthalene	NA	NA	NA	NA
2-Methyl Naphthalene	NA	NA	NA	NA
Naphthalene	NA	NA	<0.68	NA
Phenanthrene	NA	NA	0.0078 J	NA
Pyrene	NA	NA	<0.0069	NA
EPA 8270 (μg/ℓ)				
Pentachlorophenol	NA	NA	<0.72	NA

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

TABLE 13

SUMMARY OF RESULTS FROM MANHOLE MH-18 SAMPLING (2018-2021)

Sample Date ⁽⁶⁾	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

TABLE 13

SUMMARY OF RESULTS FROM MANHOLE MH-18 SAMPLING (2018-2021)

NOTES:
Concentrations are in micrograms per liter ($\mu\text{g}/\ell$) or milligrams per liter (mg/ℓ) as shown.
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.
J = Estimated concentration below laboratory quantitation level.
U = Compound not detected at or above this value, which is the detection limit.

FOOTNOTES:
(3) Sampled for the priority pollutants. Results for only the "routine" substances are summarized in this table.
(4) NPI volatile organic compounds (VOCs) by EPA 8021/8260.
(5) Polycyclic aromatic hydrocarbons (PAHs) by EPA 8270/8310.
(6) No quarterly sample collected from MH-18 in Q4 2021 because all NPI groundwater extraction wells were shut down.

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

TABLE 14

GROUNDWATER SAMPLING AND WELL/PIEZOMETER ABANDONMENT SCHEDULE FOR 2022

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 Proposed (A=Annual, B=Biennial, Chg=Change, ND=non-detect, SA=Semi-annual)
		NPI VOCs	Cadmium ⁽¹⁾	NPI VOCs	Cadmium ⁽¹⁾	
Former Plume 1/2						
CW-19	B7	Semi-annual	None	Semi-annual	None	Sample if in service (see text of annual report for details)
CW-22	C7	Semi-annual	None	Semi-annual	None	Sample if in service (see text of annual report for details)
CW-23	B7	Semi-annual	None	Semi-annual	None	Sample if in service (see text of annual report for details)
Raw	Air stripper bldg	Semi-annual	None	Semi-annual	None	Sample if in service (see text of annual report for details)
Tower A	Air stripper bldg	Semi-annual	None	Semi-annual	None	Sample if in service (see text of annual report for details)
Tower B	Air stripper bldg	Semi-annual	None	Semi-annual	None	Sample if in service (see text of annual report for details)
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	Annual	None	None	None	Stop sampling for NPI VOCs; TCE<0.5 ppb since 5/24/00 and ND since 7/23/03
EW-5	K7	None	None	None	None	
EW-6	K7	Quarterly	None	Quarterly	None	
CAS-2R	K7	None	None	None	None	Use results from MH-18; NPI believes water quality is essentially the same ⁽²⁾
MH-18	K7	Quarterly	Annual	Quarterly	Annual	Plus priority pollutants in 2023, 2028, etc. until pumping discharges cease ⁽³⁾
MW-4A	K7	None	None	None	None	
MW-4B	K7	Annual	None	Annual	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 2022

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 Proposed (A=Annual, B=Biennial, Chg=Change, ND=non-detect, SA=Semi-annual)
		NPI VOCs	Cadmium ⁽¹⁾	NPI VOCs	Cadmium ⁽¹⁾	
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	Annual	None	
MW-35B	I7	Annual	None	Annual	None	
MW-37A	I7	None	None	None	None	
MW-37B	I7	None	None	None	None	
MW-38A	I8	Annual	None	Annual	None	
MW-38B	I8	Annual	None	Annual	None	
MW-38C	I8	Annual	None	Annual	None	
MW-41A	H8	Annual	None	Annual	None	
MW-41B	H8	Annual	None	Annual	None	
MW-43A	H7	Annual	None	Annual	None	
MW-43B	H7	Annual	None	Annual	None	
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	Biennial	None	None	None	Stop sampling for NPI VOCs; TCE<0.5 ppb since 4/3/08 and ND since 6/13/17
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	Biennial	None	None	None	Stop sampling for NPI VOCs; TCE<3.1 ppb since 4/2/08 and <0.32 ppb on 5/26/21
MW-51B	F6	Annual	None	Annual	None	
MW-52A	F6	Annual	None	Annual	None	
MW-52B	F6	Annual	None	Annual	None	
MW-53A	E6	Biennial	None	Biennial	None	

TABLE 14

GROUNDWATER SAMPLING AND WELL/PIEZOMETER ABANDONMENT SCHEDULE FOR 2022

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 Proposed (A=Annual, B=Biennial, Chg=Change, ND=non-detect, SA=Semi-annual)
		NPI VOCs	Cadmium ⁽¹⁾	NPI VOCs	Cadmium ⁽¹⁾	
MW-53B	E6	Annual	None	Annual	None	
MW-54A	D6	Biennial	None	None	None	Stop sampling for NPI VOCs; TCE < 1 ppb since 4/3/08 and ND since 10/18/11
MW-54B	D6	Annual	None	Annual	None	
MW-54C	D6	Annual	None	Annual	None	
MW-55A	D6	None	None	None	None	
MW-55B	D6	Annual	None	Annual	None	
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	
MW-76B	K7	None	None	None	None	
MW-77A	K7	Semi-annual	None	Semi-annual	None	
MW-77B	K7	Semi-annual	None	Semi-annual	None	
MW-77C	K7	Annual	None	Annual	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 2022

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 Proposed (A=Annual, B=Biennial, Chg=Change, ND=non-detect, SA=Semi-annual)
		NPI VOCs	Cadmium ⁽¹⁾	NPI VOCs	Cadmium ⁽¹⁾	
RW-2A	J7	Annual	None	Annual	None	
RW-2B	J7	Annual	None	Annual	None	
RW-2C	J7	Annual	None	Annual	None	
RW-3A	C6	Annual	None	Annual	None	
RW-3B	C6	Semi-annual	None	Annual	None	Chg SF for NPI VOCs from SA to A; TCE<5 ppb since 6/26/12 & <3.1 ppb since 12/2/20
RW-3C	C6	Semi-annual	None	Annual	None	Chg SF for NPI VOCs from SA to A; TCE<5 ppb since 12/4/12 & <4.1 ppb since 6/18/18
RW-15	J7	Annual	None	Annual	None	
RW-16	G7	Annual	None	Annual	None	
RW-16B	G7	Annual	None	Annual	None	
RW-16C	G7	Annual	None	Annual	None	
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	Annual	None	
Former Plume 3/4						
EW-1R ⁽⁴⁾	L6	None	None	None	None	Quarterly sampling for NPI VOC analysis if EW-1R resumes pumping
EW-2 ⁽⁴⁾	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	Abandon well; NPI VOCs ND in 1988 except TCA=3.4J and 1,1-DCA=0.44J once each
MW-5A	L6	Annual	None	Annual	None	Re-evaluate SF for NPI VOCs if EW-1R and/or EW-2 resume pumping ^(4,5)
MW-7 ⁽⁶⁾	M6	None	None	None	None	Abandon well; TCE ND in 1988, TCA=1.1/1.3J ppb in Jan/Oct 88, PCE=2.4 ppb in 10/88
MW-12A	L7	None	None	None	None	Abandon well; TCA=0.44J ppb in 10/88; NPI VOCs ND since 4/13/05
MW-13A	L7	None	None	None	None	Abandon well; TCA=0.268 ppb on 4/21/98; NPI VOCs ND since 10/27/98
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 ^(4,5)
MW-62B	L6	Biennial	None	Biennial	None	Re-evaluate SF for NPI VOC analysis if EW-1R and/or EW-2 resume pumping ^(4,5)
MW-63A	M6	None	None	None	None	Re-evaluate SF for NPI VOC analysis if EW-1R and/or EW-2 resume pumping ^(4,5)

TABLE 14

GROUNDWATER SAMPLING AND WELL/PIEZOMETER ABANDONMENT SCHEDULE FOR 2022

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 Proposed (A=Annual, B=Biennial, Chg=Change, ND=non-detect, SA=Semi-annual)
		NPI VOCs	Cadmium ⁽¹⁾	NPI VOCs	Cadmium ⁽¹⁾	
MW-65A	L6	None	None	None	None	Re-evaluate SF for NPI VOC analysis if EW-1R and/or EW-2 resume pumping ^(4,5)
MW-65B	L6	Biennial	None	Biennial	None	Re-evaluate SF for NPI VOC analysis if EW-1R and/or EW-2 resume pumping ^(4,5)
MW-65C	L6	Annual	None	Annual	None	Re-evaluate SF for NPI VOC analysis if EW-1R and/or EW-2 resume pumping ^(4,5)
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, not both MH-18 and CAS-2R.

(3) For discharge monitoring reports, MH-18 also sampled once every 5 years for the priority pollutants, per agreement with the WDNR, until pumping discharges cease.

(4) Pumping from and quarterly sampling of EW-1R and/or EW-2 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.
EAU CLAIRE, WISCONSIN

TABLE 15

LONG-TERM STEWARDSHIP PLAN VERIFICATION/CONFIRMATION SUMMARY FOR 2021 ⁽¹⁾

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 ⁽²⁾
			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 ⁽²⁾
			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 permit for 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 the integrity of the ECMWF air stripper remain in place and effective.
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 ⁽⁴⁾
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 Administrative Code (WAC)	See "Monitoring Method" column	Review WAC for changes to code citations in the ICIAP (ch. NR 811).	Reviewed
		See "Monitoring Method" column	Verify that no new private or public water supply wells have been placed in proximity to GW contaminated with NPI VOCs.	Verified
9	WRRD	Inform public and meet WAC	Review BRRTS 02-09-000267/FID 609038320 online postings for accuracy.	Reviewed

NOTE:

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

FOOTNOTES:

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

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

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

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

APPENDIX A (available upon request)

CD WITH HISTORICAL DATA SUMMARY WORKBOOKS

APPENDIX B (available upon request)

LABORATORY REPORTS FOR 2021 GROUNDWATER ANALYTICAL DATA

March 23, 2021

Project #34283.00 NPI
Q1 groundwater
Reviewed by CCW
3/24/21

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

4/15/21: All samples should have 1,1-Dichloroethane qualified with a "UJ" estimated non-detect instead of "U" only, because the VOC had a percent difference of 21% for the CCV. See data validation report by Mary Gannon for details. CCW

RE: Project: 34283.000 NPI
Pace Project No.: 40223555

Dear Clifford Wright:

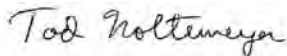
Enclosed are the analytical results for sample(s) received by the laboratory on March 17, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise 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



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 34283.000 NPI

Pace Project No.: 40223555

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

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 34283.000 NPI

Pace Project No.: 40223555

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40223555001	EW-6	Water	03/16/21 12:20	03/17/21 10:00
40223555002	EW-6 DUP	Water	03/16/21 12:20	03/17/21 10:00
40223555003	MH-18	Water	03/16/21 12:00	03/17/21 10:00
40223555004	MW-70A	Water	03/16/21 11:40	03/17/21 10:00
40223555005	MW-76A	Water	03/16/21 12:15	03/17/21 10:00
40223555006	MW-10A	Water	03/16/21 11:30	03/17/21 10:00
40223555007	MW-34A	Water	03/16/21 11:45	03/17/21 10:00
40223555008	TRIP BLANK	Water	03/16/21 00:00	03/17/21 10:00

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 34283.000 NPI

Pace Project No.: 40223555

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40223555001	EW-6	EPA 8260	HNW	8	PASI-G
40223555002	EW-6 DUP	EPA 8260	HNW	8	PASI-G
40223555003	MH-18	EPA 8260	HNW	8	PASI-G
40223555004	MW-70A	EPA 8260	HNW	8	PASI-G
40223555005	MW-76A	EPA 8260	HNW	8	PASI-G
40223555006	MW-10A	EPA 6010	TXW	1	PASI-G
40223555007	MW-34A	EPA 6010	TXW	1	PASI-G
40223555008	TRIP BLANK	EPA 8260	HNW	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.: 40223555

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40223555001	EW-6					
EPA 8260	1,1,1-Trichloroethane	1.2	ug/L	1.0	03/22/21 15:56	
EPA 8260	Trichloroethene	0.80J	ug/L	1.0	03/22/21 15:56	
40223555002	EW-6 DUP					
EPA 8260	1,1,1-Trichloroethane	1.2	ug/L	1.0	03/22/21 19:41	
EPA 8260	Trichloroethene	0.83J	ug/L	1.0	03/22/21 19:41	
40223555003	MH-18					
EPA 8260	1,1,1-Trichloroethane	0.66J	ug/L	1.0	03/22/21 20:04	
EPA 8260	Trichloroethene	0.54J	ug/L	1.0	03/22/21 20:04	
40223555004	MW-70A					
EPA 8260	Trichloroethene	0.62J	ug/L	1.0	03/22/21 20:26	
40223555005	MW-76A					
EPA 8260	1,1,1-Trichloroethane	2.9	ug/L	1.0	03/22/21 20:49	
EPA 8260	Tetrachloroethene	0.49J	ug/L	1.1	03/22/21 20:49	
EPA 8260	Trichloroethene	0.37J	ug/L	1.0	03/22/21 20:49	
40223555006	MW-10A					
EPA 6010	Cadmium, Dissolved	16.7	ug/L	5.0	03/19/21 13:02	
40223555007	MW-34A					
EPA 6010	Cadmium, Dissolved	3.4J	ug/L	5.0	03/19/21 13:04	

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 34283.000 NPI

Pace Project No.: 40223555

Method: EPA 6010

Description: 6010 MET ICP, Dissolved

Client: Gannett Fleming Inc.

Date: March 23, 2021

General Information:

2 samples were analyzed for EPA 6010 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.: 40223555

Method: EPA 8260

Description: 8260 MSV

Client: Gannett Fleming Inc.

Date: March 23, 2021

General Information:

6 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.: 40223555

Sample: EW-6 **Lab ID: 40223555001** Collected: 03/16/21 12:20 Received: 03/17/21 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	1.2	ug/L	1.0	0.24	1		03/22/21 15:56	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		03/22/21 15:56	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		03/22/21 15:56	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		03/22/21 15:56	127-18-4	
Trichloroethene	0.80J	ug/L	1.0	0.26	1		03/22/21 15:56	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		03/22/21 15:56	460-00-4	
Dibromofluoromethane (S)	121	%	70-130		1		03/22/21 15:56	1868-53-7	
Toluene-d8 (S)	107	%	70-130		1		03/22/21 15:56	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40223555

Sample: EW-6 DUP **Lab ID: 40223555002** Collected: 03/16/21 12:20 Received: 03/17/21 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	1.2	ug/L	1.0	0.24	1		03/22/21 19:41	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		03/22/21 19:41	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		03/22/21 19:41	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		03/22/21 19:41	127-18-4	
Trichloroethene	0.83J	ug/L	1.0	0.26	1		03/22/21 19:41	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		03/22/21 19:41	460-00-4	
Dibromofluoromethane (S)	122	%	70-130		1		03/22/21 19:41	1868-53-7	
Toluene-d8 (S)	108	%	70-130		1		03/22/21 19:41	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40223555

Sample: MH-18 **Lab ID: 40223555003** Collected: 03/16/21 12:00 Received: 03/17/21 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	0.66J	ug/L	1.0	0.24	1		03/22/21 20:04	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		03/22/21 20:04	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		03/22/21 20:04	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		03/22/21 20:04	127-18-4	
Trichloroethene	0.54J	ug/L	1.0	0.26	1		03/22/21 20:04	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		03/22/21 20:04	460-00-4	
Dibromofluoromethane (S)	122	%	70-130		1		03/22/21 20:04	1868-53-7	
Toluene-d8 (S)	108	%	70-130		1		03/22/21 20:04	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40223555

Sample: MW-70A **Lab ID: 40223555004** Collected: 03/16/21 11:40 Received: 03/17/21 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		03/22/21 20:26	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		03/22/21 20:26	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		03/22/21 20:26	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		03/22/21 20:26	127-18-4	
Trichloroethene	0.62J	ug/L	1.0	0.26	1		03/22/21 20:26	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		03/22/21 20:26	460-00-4	
Dibromofluoromethane (S)	122	%	70-130		1		03/22/21 20:26	1868-53-7	
Toluene-d8 (S)	109	%	70-130		1		03/22/21 20:26	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40223555

Sample: MW-76A **Lab ID: 40223555005** Collected: 03/16/21 12:15 Received: 03/17/21 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	2.9	ug/L	1.0	0.24	1		03/22/21 20:49	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		03/22/21 20:49	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		03/22/21 20:49	75-35-4	
Tetrachloroethene	0.49J	ug/L	1.1	0.33	1		03/22/21 20:49	127-18-4	
Trichloroethene	0.37J	ug/L	1.0	0.26	1		03/22/21 20:49	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		03/22/21 20:49	460-00-4	
Dibromofluoromethane (S)	123	%	70-130		1		03/22/21 20:49	1868-53-7	
Toluene-d8 (S)	108	%	70-130		1		03/22/21 20:49	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40223555

Sample: MW-10A **Lab ID: 40223555006** Collected: 03/16/21 11:30 Received: 03/17/21 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved									
Analytical Method: EPA 6010									
Pace Analytical Services - Green Bay									
Cadmium, Dissolved	16.7	ug/L	5.0	1.3	1		03/19/21 13:02	7440-43-9	

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ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40223555

Sample: MW-34A **Lab ID: 40223555007** Collected: 03/16/21 11:45 Received: 03/17/21 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved									
Analytical Method: EPA 6010									
Pace Analytical Services - Green Bay									
Cadmium, Dissolved	3.4J	ug/L	5.0	1.3	1		03/19/21 13:04	7440-43-9	

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ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40223555

Sample: TRIP BLANK **Lab ID: 40223555008** Collected: 03/16/21 00:00 Received: 03/17/21 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		03/22/21 15:34	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		03/22/21 15:34	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		03/22/21 15:34	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		03/22/21 15:34	127-18-4	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		03/22/21 15:34	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		03/22/21 15:34	460-00-4	
Dibromofluoromethane (S)	119	%	70-130		1		03/22/21 15:34	1868-53-7	
Toluene-d8 (S)	107	%	70-130		1		03/22/21 15:34	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 34283.000 NPI
Pace Project No.: 40223555

QC Batch: 380214 Analysis Method: EPA 6010
QC Batch Method: EPA 6010 Analysis Description: ICP Metals, Trace, Dissolved
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40223555006, 40223555007

METHOD BLANK: 2192736 Matrix: Water

Associated Lab Samples: 40223555006, 40223555007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cadmium, Dissolved	ug/L	<1.3	5.0	03/19/21 12:24	

LABORATORY CONTROL SAMPLE: 2192737

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cadmium, Dissolved	ug/L	500	451	90	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2192739 2192740

Parameter	Units	2192739		2192740		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40223390001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							MSD Result
Cadmium, Dissolved	ug/L	<1.3	500	500	473	477	95	95	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.

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QUALITY CONTROL DATA

Project: 34283.000 NPI
Pace Project No.: 40223555

QC Batch: 380053 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40223555001, 40223555002, 40223555003, 40223555004, 40223555005, 40223555008

METHOD BLANK: 2191778 Matrix: Water
Associated Lab Samples: 40223555001, 40223555002, 40223555003, 40223555004, 40223555005, 40223555008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.24	1.0	03/22/21 11:26	
1,1-Dichloroethane	ug/L	<0.27	1.0	03/22/21 11:26	
1,1-Dichloroethene	ug/L	<0.24	1.0	03/22/21 11:26	
Tetrachloroethene	ug/L	<0.33	1.1	03/22/21 11:26	
Trichloroethene	ug/L	<0.26	1.0	03/22/21 11:26	
4-Bromofluorobenzene (S)	%	96	70-130	03/22/21 11:26	
Dibromofluoromethane (S)	%	116	70-130	03/22/21 11:26	
Toluene-d8 (S)	%	107	70-130	03/22/21 11:26	

LABORATORY CONTROL SAMPLE: 2191779

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	51.9	104	70-130	
1,1-Dichloroethane	ug/L	50	57.1	114	68-132	
1,1-Dichloroethene	ug/L	50	51.4	103	85-126	
Tetrachloroethene	ug/L	50	48.6	97	70-130	
Trichloroethene	ug/L	50	52.8	106	70-130	
4-Bromofluorobenzene (S)	%			102	70-130	
Dibromofluoromethane (S)	%			114	70-130	
Toluene-d8 (S)	%			109	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2191780 2191781

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40223555001 Result	Spike Conc.	Spike Conc.	Conc.								
1,1,1-Trichloroethane	ug/L	1.2	50	50	53.9	50.5	105	99	70-130	7	20		
1,1-Dichloroethane	ug/L	<0.27	50	50	57.4	53.8	114	107	68-132	7	20		
1,1-Dichloroethene	ug/L	<0.24	50	50	51.2	47.7	102	95	76-132	7	20		
Tetrachloroethene	ug/L	<0.33	50	50	48.8	45.8	97	91	70-130	6	20		
Trichloroethene	ug/L	0.80J	50	50	53.9	50.6	106	100	70-130	6	20		
4-Bromofluorobenzene (S)	%						101	103	70-130				
Dibromofluoromethane (S)	%						115	114	70-130				
Toluene-d8 (S)	%						108	108	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.: 40223555

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.: 40223555

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40223555006	MW-10A	EPA 6010	380214		
40223555007	MW-34A	EPA 6010	380214		
40223555001	EW-6	EPA 8260	380053		
40223555002	EW-6 DUP	EPA 8260	380053		
40223555003	MH-18	EPA 8260	380053		
40223555004	MW-70A	EPA 8260	380053		
40223555005	MW-76A	EPA 8260	380053		
40223555008	TRIP BLANK	EPA 8260	380053		

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: Gannett Fleming
 Branch/Location: Madison, WI
 Project Contact: Cliff Wright
 Phone: 608-327-5047
 Project Number: 34283.000
 Project Name: NPI
 Project State: WI
 Sampled By (Print): Chelsea Payne
 Sampled By (Sign): [Signature]
 PO #: 34263.000 Regulatory Program:



UPPER MIDWEST REGION

MN: 612-607-1700 WI: 920-469-2436

40223555

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																
N	B	NPI Short List VOCs																
I	D	Dissolved Cadmium																

Quote #: Pace 2021
 Mail To Contact: Cliff Wright
 Mail To Company: Gannett Fleming
 Mail To Address: 8040 Excelsior Dr Ste 303
Madison, WI 53717
 Invoice To Contact: Derrick Paul
 Invoice To Company: National Presto Industries
 Invoice To Address: 3925 N. Hastings Way
Eau Claire, WI
 Invoice To Phone: 608-327-5050
 CLIENT COMMENTS: Please send copy of Level IV data pks to Mary Gorman for Validation
 LAB COMMENTS (Lab Use Only):
 Profile #:

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
 Sl = Sludge WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX	Y/N	Pick Letter	Analyses Requested
		DATE	TIME				
001	EW-6	3/16/12	12:20	GW	N	B	NPI Short List VOCs
002	EW-6 dop		12:20		I	D	Dissolved Cadmium
003	MH-18		12:00				
004	MW-70A		11:40				
005	MW-76A		12:15				
006	MW-10A		11:30				
007	MW-34A		11:45				
008	Trip Blank	✓		✓			

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: 3/16/12 13:30
 Relinquished By: Fred G Date/Time: 3-17-12 1000
 Relinquished By: _____ Date/Time: _____
 Relinquished By: _____ Date/Time: _____
 Relinquished By: _____ Date/Time: _____

Received By: _____ Date/Time: _____
 Received By: Susan K. Wyle Date/Time: 3-17-12 1000
 Received By: [Signature] Date/Time: _____
 Received By: _____ Date/Time: _____
 Received By: _____ Date/Time: _____

PACE Project No. 40223555
 Receipt Temp = ROI °C
 Sample Receipt pH Adjusted
 Cooler Custody Seal Present / Not Present
 Intact / Not Intact

Client Name Cannett Fleming Sample Preservation Receipt Form
 Project # 10223555

All containers needing preservation have been checked and noted below: Yes No N/A
 Lab Lot# of pH paper: 1023601 Lab Std #ID of preservation (if pH adjusted):

Initial when completed: [Signature] Date/Time:

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.)
001	AG1U	BP1U	VG9A	JGFU	SP5T							2.5/5/10
002	BG1U	BP3U	DG9T	JG9U	ZPLC							2.5/5/10
003	AG1H	BP3B	VG9U	WGFU	GN							2.5/5/10
004	AG4S	BP3N	VG9H	WPFU								2.5/5/10
005	AG4U	BP3S	VG9M									2.5/5/10
006	AG5U		VG9D									2.5/5/10
007	AG2S											2.5/5/10
008	BG3U											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
BG1U	1 liter clear glass
AG1H	1 liter amber glass HCL
AG4S	125 mL amber glass H2SO4
AG4U	120 mL amber glass unpres
AG5U	100 mL amber glass unpres
AG2S	500 mL amber glass H2SO4
BG3U	250 mL clear glass unpres

BP1U	1 liter plastic unpres
BP3U	250 mL plastic unpres
BP3B	250 mL plastic NaOH
BP3N	250 mL plastic HNO3
BP3S	250 mL plastic H2SO4

VG9A	40 mL clear ascorbic
DG9T	40 mL amber Na Thio
VG9U	40 mL clear vial unpres
VG9H	40 mL clear vial HCL
VG9M	40 mL clear vial MeOH
VG9D	40 mL clear vial DI

JGFU	4 oz amber jar unpres
JG9U	9 oz amber jar unpres
WGFU	4 oz clear jar unpres
WPFU	4 oz plastic jar unpres
SP5T	120 mL plastic Na Thiosulfate
ZPLC	ziploc bag
GN	



Document Name:
Sample Condition Upon Receipt (SCUR)

Document Revised: 26Mar2020

Document No.:
ENV-FRM-GBAY-0014-Rev.00

Author:
Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Client Name: Gannett Heming
 Courier: CS Logistics Fed Ex Speedee UPS Waltco
 Client Pace Other: _____

Project #: _____
WO#: 40223555

 40223555

Tracking #: 81656578 2124
 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 - N/A Type of Ice: Blue Dry None Samples on ice, cooling process has begun
 Cooler Temperature Uncorr: ROT /Corr: _____
 Temp Blank Present: yes no Biological Tissue is Frozen: yes no

Person examining contents:
 Date: 3-17-21 Initials: SKW
 Labeled By Initials: SRK

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 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:	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	8. <u>For VOC only MS/MSD.</u> <u>3-17-21</u>
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>4591</u>	

Client Notification/ Resolution: _____ If checked, see attached form for additional comments
 Person Contacted: _____ Date/Time: _____
 Comments/ Resolution: _____

(Please Print Clearly)

Company Name: Gannett Fleming
 Branch/Location: Madison, WI
 Project Contact: Cliff Wright
 Phone: 608-327-5047
 Project Number: 34283.000
 Project Name: NPI
 Project State: WI
 Sampled By (Print): Chelsea Payne
 Sampled By (Sign): [Signature]
 PO #: 34263.000 Regulatory Program:



UPPER MIDWEST REGION

MN: 612-607-1700 WI: 920-469-2436

40223555

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																		
N	B	NPI Short List VOCs																		
I	D	Dissolved Cadmium																		

Quote #: Pace 2021
 Mail To Contact: Cliff Wright
 Mail To Company: Gannett Fleming
 Mail To Address: 8040 Excelsior Dr Ste 303
Madison, WI 53717
 Invoice To Contact: Derrick Paul
 Invoice To Company: National Presto Industries
 Invoice To Address: 3925 N. Hastings Way
Eau Claire, WI
 Invoice To Phone: 608-327-5050
 CLIENT COMMENTS: Please send copy of Level IV data pks to Mary Gorman for validation
 LAB COMMENTS (Lab Use Only):
 Profile #

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
 Sl = Sludge WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX	Y/N	Pick Letter	Analyses Requested
		DATE	TIME				
001	EW-6	3/16/12	12:20	GW	N	B	NPI Short List VOCs
002	EW-6 dop		12:20		I	D	Dissolved Cadmium
003	MH-18		12:00				
004	MW-70A		11:40				
005	MW-76A		12:15				
006	MW-10A		11:30				
007	MW-34A		11:45				
008	Trip Blank	✓		✓			

Run MS/MSD on EW-6.

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: 3/16/12 13:30
 Relinquished By: Fred G Date/Time: 3-17-12 1000
 Relinquished By: _____ Date/Time: _____
 Relinquished By: _____ Date/Time: _____
 Relinquished By: _____ Date/Time: _____

Received By: _____ Date/Time: _____
 Received By: Susan K. Wiley Date/Time: 3-17-12 1000
 Received By: [Signature] Date/Time: _____
 Received By: _____ Date/Time: _____
 Received By: _____ Date/Time: _____

PACE Project No. 40223555
 Receipt Temp = ROI °C
 Sample Receipt pH (OK) Adjusted
 Cooler Custody Seal Present / Not Present (Intact) Not Intact

June 07, 2021

Project #34283.000 NPI
Q2 Groundwater (2 of 3)
Reviewed by CCW
6/7/2021

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

RE: Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40227641

Dear Clifford Wright:

Enclosed are the analytical results for sample(s) received by the laboratory on May 27, 2021. 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



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227641

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

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227641

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40227641001	MW-5A	Water	05/24/21 11:45	05/27/21 09:20
40227641002	MW-62AR	Water	05/24/21 11:25	05/27/21 09:20
40227641003	MW-62B	Water	05/24/21 11:20	05/27/21 09:20
40227641004	MW-65B	Water	05/24/21 10:46	05/27/21 09:20
40227641005	MW-65C	Water	05/24/21 10:55	05/27/21 09:20
40227641006	EW-6	Water	05/25/21 10:00	05/27/21 09:20
40227641007	EW-6 DUP	Water	05/25/21 10:05	05/27/21 09:20
40227641008	MH-18	Water	05/25/21 09:35	05/27/21 09:20
40227641009	MH-18 DUP	Water	05/25/21 09:40	05/27/21 09:20
40227641010	MW-4B	Water	05/24/21 13:40	05/27/21 09:20
40227641011	MW-10A	Water	05/24/21 12:35	05/27/21 09:20
40227641012	MW-23A	Water	05/25/21 11:00	05/27/21 09:20
40227641013	MW-23B	Water	05/25/21 11:05	05/27/21 09:20
40227641014	MW-34A	Water	05/24/21 12:55	05/27/21 09:20
40227641015	MW-38A	Water	05/25/21 11:30	05/27/21 09:20
40227641016	MW-38B	Water	05/25/21 11:35	05/27/21 09:20
40227641017	MW-38C	Water	05/25/21 11:40	05/27/21 09:20
40227641018	MW-68A	Water	05/24/21 13:20	05/27/21 09:20
40227641019	MW-68B	Water	05/24/21 13:25	05/27/21 09:20
40227641020	MW-38B DUP	Water	05/25/21 11:35	05/27/21 09:20
40227641021	MW-70A	Water	05/24/21 12:40	05/27/21 09:20
40227641022	MW-76A	Water	05/24/21 14:15	05/27/21 09:20
40227641023	MW-76A DUP	Water	05/24/21 14:20	05/27/21 09:20
40227641024	MW-77A	Water	05/24/21 13:50	05/27/21 09:20
40227641025	MW-77B	Water	05/24/21 13:55	05/27/21 09:20
40227641026	MW-77C	Water	05/24/21 14:05	05/27/21 09:20
40227641027	RW-2A	Water	05/25/21 10:35	05/27/21 09:20
40227641028	RW-2B	Water	05/25/21 10:40	05/27/21 09:20
40227641029	RW-2C	Water	05/25/21 10:45	05/27/21 09:20
40227641030	RW-15	Water	05/25/21 11:55	05/27/21 09:20
40227641031	WW-15	Water	05/25/21 11:15	05/27/21 09:20
40227641032	MW-35A	Water	05/25/21 13:05	05/27/21 09:20
40227641033	MW-35B	Water	05/25/21 13:10	05/27/21 09:20
40227641034	MW-41A	Water	05/25/21 13:40	05/27/21 09:20
40227641035	MW-41B	Water	05/25/21 13:45	05/27/21 09:20
40227641036	MW-43A	Water	05/25/21 13:20	05/27/21 09:20
40227641037	MW-43B	Water	05/25/21 13:25	05/27/21 09:20

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227641

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40227641038	RW-16	Water	05/25/21 14:35	05/27/21 09:20
40227641039	RW-16B	Water	05/25/21 14:40	05/27/21 09:20
40227641040	RW-3A	Water	05/25/21 15:05	05/27/21 09:20
40227641041	RW-3A DUP	Water	05/25/21 15:07	05/27/21 09:20
40227641042	RW-3B	Water	05/25/21 15:10	05/27/21 09:20
40227641043	RW-3C	Water	05/25/21 15:15	05/27/21 09:20
40227641044	TRIP BLANK	Water	05/25/21 00:00	05/27/21 09:20

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227641

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40227641001	MW-5A	EPA 8260	LAP	8	PASI-G
40227641002	MW-62AR	EPA 8260	LAP	8	PASI-G
40227641003	MW-62B	EPA 8260	LAP	8	PASI-G
40227641004	MW-65B	EPA 8260	LAP	8	PASI-G
40227641005	MW-65C	EPA 8260	LAP	8	PASI-G
40227641006	EW-6	EPA 8260	LAP	8	PASI-G
40227641007	EW-6 DUP	EPA 8260	LAP	8	PASI-G
40227641008	MH-18	EPA 8260	LAP	8	PASI-G
40227641009	MH-18 DUP	EPA 8260	LAP	8	PASI-G
40227641010	MW-4B	EPA 8260	LAP	8	PASI-G
40227641011	MW-10A	EPA 6010D	TXW	1	PASI-G
40227641012	MW-23A	EPA 8260	LAP	8	PASI-G
40227641013	MW-23B	EPA 8260	LAP	8	PASI-G
40227641014	MW-34A	EPA 8260	LAP	8	PASI-G
40227641015	MW-38A	EPA 8260	LAP	8	PASI-G
40227641016	MW-38B	EPA 8260	LAP	8	PASI-G
40227641017	MW-38C	EPA 8260	LAP	8	PASI-G
40227641018	MW-68A	EPA 8260	LAP	8	PASI-G
40227641019	MW-68B	EPA 8260	LAP	8	PASI-G
40227641020	MW-38B DUP	EPA 8260	LAP	8	PASI-G
40227641021	MW-70A	EPA 8260	LAP	8	PASI-G
40227641022	MW-76A	EPA 8260	LAP	8	PASI-G
40227641023	MW-76A DUP	EPA 8260	LAP	8	PASI-G
40227641024	MW-77A	EPA 8260	LAP	8	PASI-G
40227641025	MW-77B	EPA 8260	LAP	8	PASI-G
40227641026	MW-77C	EPA 8260	LAP	8	PASI-G
40227641027	RW-2A	EPA 8260	LAP	8	PASI-G
40227641028	RW-2B	EPA 8260	LAP	8	PASI-G
40227641029	RW-2C	EPA 8260	LAP	8	PASI-G
40227641030	RW-15	EPA 8260	LAP	8	PASI-G
40227641031	WW-15	EPA 8260	LAP	8	PASI-G
40227641032	MW-35A	EPA 8260	LAP	8	PASI-G
40227641033	MW-35B	EPA 8260	LAP	8	PASI-G
40227641034	MW-41A	EPA 8260	LAP	8	PASI-G
40227641035	MW-41B	EPA 8260	LAP	8	PASI-G
40227641036	MW-43A	EPA 8260	LAP	8	PASI-G
40227641037	MW-43B	EPA 8260	LAP	8	PASI-G

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227641

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40227641038	RW-16	EPA 8260	LAP	8	PASI-G
40227641039	RW-16B	EPA 8260	LAP	8	PASI-G
40227641040	RW-3A	EPA 8260	LAP	8	PASI-G
40227641041	RW-3A DUP	EPA 8260	LAP	8	PASI-G
40227641042	RW-3B	EPA 8260	LAP	8	PASI-G
40227641043	RW-3C	EPA 8260	LAP	8	PASI-G
40227641044	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 NATIONAL PRESTO IND.
Pace Project No.: 40227641

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40227641005	MW-65C					
EPA 8260	Trichloroethene	0.47J	ug/L	1.0	05/28/21 21:22	
40227641006	EW-6					
EPA 8260	1,1,1-Trichloroethane	1.3	ug/L	1.0	05/28/21 19:44	
EPA 8260	Trichloroethene	0.78J	ug/L	1.0	05/28/21 19:44	
40227641007	EW-6 DUP					
EPA 8260	1,1,1-Trichloroethane	1.2	ug/L	1.0	05/28/21 21:42	
EPA 8260	Trichloroethene	0.71J	ug/L	1.0	05/28/21 21:42	
40227641008	MH-18					
EPA 8260	1,1,1-Trichloroethane	0.41J	ug/L	1.0	05/28/21 22:01	
40227641009	MH-18 DUP					
EPA 8260	1,1,1-Trichloroethane	0.37J	ug/L	1.0	05/28/21 22:21	
40227641011	MW-10A					
EPA 6010D	Cadmium, Dissolved	14.7	ug/L	5.0	06/04/21 14:02	
40227641012	MW-23A					
EPA 8260	Trichloroethene	0.43J	ug/L	1.0	05/28/21 23:00	
40227641013	MW-23B					
EPA 8260	Trichloroethene	1.7	ug/L	1.0	05/28/21 23:20	
40227641015	MW-38A					
EPA 8260	Trichloroethene	1.7	ug/L	1.0	05/28/21 23:59	
40227641016	MW-38B					
EPA 8260	1,1,1-Trichloroethane	0.45J	ug/L	1.0	05/29/21 00:19	
EPA 8260	Trichloroethene	3.3	ug/L	1.0	05/29/21 00:19	
40227641017	MW-38C					
EPA 8260	Trichloroethene	1.4	ug/L	1.0	05/29/21 00:38	
40227641018	MW-68A					
EPA 8260	Trichloroethene	0.40J	ug/L	1.0	05/29/21 00:58	
40227641020	MW-38B DUP					
EPA 8260	1,1,1-Trichloroethane	0.53J	ug/L	1.0	05/29/21 01:37	
EPA 8260	Trichloroethene	3.6	ug/L	1.0	05/29/21 01:37	
40227641021	MW-70A					
EPA 8260	Trichloroethene	0.46J	ug/L	1.0	05/29/21 01:57	
40227641022	MW-76A					
EPA 8260	1,1,1-Trichloroethane	2.4	ug/L	1.0	06/02/21 20:50	
EPA 8260	Tetrachloroethene	0.48J	ug/L	1.0	06/02/21 20:50	
40227641023	MW-76A DUP					
EPA 8260	1,1,1-Trichloroethane	2.2	ug/L	1.0	06/02/21 21:11	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40227641

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40227641024	MW-77A					
EPA 8260	Trichloroethene	0.38J	ug/L	1.0	06/01/21 20:15	
40227641025	MW-77B					
EPA 8260	Trichloroethene	1.8	ug/L	1.0	06/01/21 20:36	
40227641026	MW-77C					
EPA 8260	Trichloroethene	0.67J	ug/L	1.0	06/01/21 20:57	
40227641027	RW-2A					
EPA 8260	Trichloroethene	0.87J	ug/L	1.0	06/01/21 21:18	
40227641028	RW-2B					
EPA 8260	Trichloroethene	1.7	ug/L	1.0	06/01/21 21:39	
40227641029	RW-2C					
EPA 8260	Trichloroethene	1.8	ug/L	1.0	06/01/21 21:59	
40227641030	RW-15					
EPA 8260	Trichloroethene	2.3	ug/L	1.0	06/01/21 22:20	
40227641031	WW-15					
EPA 8260	Trichloroethene	0.40J	ug/L	1.0	06/01/21 22:40	
40227641032	MW-35A					
EPA 8260	Trichloroethene	0.98J	ug/L	1.0	06/01/21 23:01	
40227641033	MW-35B					
EPA 8260	Trichloroethene	0.80J	ug/L	1.0	06/02/21 17:43	
40227641034	MW-41A					
EPA 8260	Trichloroethene	2.0	ug/L	1.0	06/02/21 18:04	
40227641035	MW-41B					
EPA 8260	Trichloroethene	2.2	ug/L	1.0	06/02/21 18:25	
40227641036	MW-43A					
EPA 8260	Trichloroethene	1.7	ug/L	1.0	06/02/21 18:45	
40227641037	MW-43B					
EPA 8260	Trichloroethene	1.1	ug/L	1.0	06/02/21 19:06	
40227641038	RW-16					
EPA 8260	Trichloroethene	1.9	ug/L	1.0	06/02/21 19:27	
40227641039	RW-16B					
EPA 8260	Trichloroethene	2.6	ug/L	1.0	06/02/21 19:48	
40227641040	RW-3A					
EPA 8260	Trichloroethene	1.5	ug/L	1.0	06/02/21 20:09	
40227641041	RW-3A DUP					
EPA 8260	Trichloroethene	1.0	ug/L	1.0	06/02/21 20:29	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227641

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40227641042	RW-3B					
EPA 8260	Trichloroethene	2.6	ug/L	1.0	05/30/21 18:46	
40227641043	RW-3C					
EPA 8260	1,1,1-Trichloroethane	0.31J	ug/L	1.0	05/30/21 19:05	
EPA 8260	Trichloroethene	3.0	ug/L	1.0	05/30/21 19:05	

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227641

Method: EPA 6010D

Description: 6010D MET ICP, Dissolved

Client: Gannett Fleming Inc.

Date: June 07, 2021

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 NATIONAL PRESTO IND.

Pace Project No.: 40227641

Method: EPA 8260

Description: 8260 MSV

Client: Gannett Fleming Inc.

Date: June 07, 2021

General Information:

43 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.

QC Batch: 386611

L1: Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.

- LCS (Lab ID: 2230810)
- 1,1-Dichloroethene

Matrix Spikes:

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

Additional Comments:

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

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227641

Sample: MW-5A **Lab ID: 40227641001** Collected: 05/24/21 11:45 Received: 05/27/21 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		05/28/21 20:04	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		05/28/21 20:04	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		05/28/21 20:04	75-35-4	L1
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		05/28/21 20:04	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		05/28/21 20:04	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		05/28/21 20:04	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		05/28/21 20:04	2199-69-1	
Toluene-d8 (S)	99	%	70-130		1		05/28/21 20:04	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227641

Sample: MW-62AR **Lab ID: 40227641002** Collected: 05/24/21 11:25 Received: 05/27/21 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		05/28/21 20:23	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		05/28/21 20:23	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		05/28/21 20:23	75-35-4	L1
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		05/28/21 20:23	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		05/28/21 20:23	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	105	%	70-130		1		05/28/21 20:23	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		05/28/21 20:23	2199-69-1	
Toluene-d8 (S)	99	%	70-130		1		05/28/21 20:23	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227641

Sample: MW-62B **Lab ID: 40227641003** Collected: 05/24/21 11:20 Received: 05/27/21 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		05/28/21 20:43	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		05/28/21 20:43	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		05/28/21 20:43	75-35-4	L1
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		05/28/21 20:43	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		05/28/21 20:43	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		05/28/21 20:43	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		05/28/21 20:43	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		05/28/21 20:43	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227641

Sample: MW-65B **Lab ID: 40227641004** Collected: 05/24/21 10:46 Received: 05/27/21 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		05/28/21 21:02	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		05/28/21 21:02	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		05/28/21 21:02	75-35-4	L1
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		05/28/21 21:02	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		05/28/21 21:02	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		05/28/21 21:02	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		05/28/21 21:02	2199-69-1	
Toluene-d8 (S)	97	%	70-130		1		05/28/21 21:02	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227641

Sample: MW-65C **Lab ID: 40227641005** Collected: 05/24/21 10:55 Received: 05/27/21 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		05/28/21 21:22	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		05/28/21 21:22	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		05/28/21 21:22	75-35-4	L1
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		05/28/21 21:22	127-18-4	
Trichloroethene	0.47J	ug/L	1.0	0.32	1		05/28/21 21:22	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		05/28/21 21:22	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		05/28/21 21:22	2199-69-1	
Toluene-d8 (S)	97	%	70-130		1		05/28/21 21:22	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227641

Sample: EW-6 **Lab ID: 40227641006** Collected: 05/25/21 10:00 Received: 05/27/21 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	1.3	ug/L	1.0	0.30	1		05/28/21 19:44	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		05/28/21 19:44	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		05/28/21 19:44	75-35-4	L1
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		05/28/21 19:44	127-18-4	
Trichloroethene	0.78J	ug/L	1.0	0.32	1		05/28/21 19:44	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		05/28/21 19:44	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		05/28/21 19:44	2199-69-1	
Toluene-d8 (S)	98	%	70-130		1		05/28/21 19:44	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227641

Sample: EW-6 DUP **Lab ID: 40227641007** Collected: 05/25/21 10:05 Received: 05/27/21 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	1.2	ug/L	1.0	0.30	1		05/28/21 21:42	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		05/28/21 21:42	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		05/28/21 21:42	75-35-4	L1
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		05/28/21 21:42	127-18-4	
Trichloroethene	0.71J	ug/L	1.0	0.32	1		05/28/21 21:42	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		05/28/21 21:42	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		05/28/21 21:42	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		05/28/21 21:42	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227641

Sample: MH-18 **Lab ID: 40227641008** Collected: 05/25/21 09:35 Received: 05/27/21 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	0.41J	ug/L	1.0	0.30	1		05/28/21 22:01	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		05/28/21 22:01	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		05/28/21 22:01	75-35-4	L1
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		05/28/21 22:01	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		05/28/21 22:01	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		05/28/21 22:01	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		05/28/21 22:01	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		05/28/21 22:01	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40227641

Sample: MH-18 DUP **Lab ID: 40227641009** Collected: 05/25/21 09:40 Received: 05/27/21 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	0.37J	ug/L	1.0	0.30	1		05/28/21 22:21	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		05/28/21 22:21	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		05/28/21 22:21	75-35-4	L1
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		05/28/21 22:21	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		05/28/21 22:21	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		05/28/21 22:21	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		05/28/21 22:21	2199-69-1	
Toluene-d8 (S)	97	%	70-130		1		05/28/21 22:21	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227641

Sample: MW-4B **Lab ID: 40227641010** Collected: 05/24/21 13:40 Received: 05/27/21 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		05/28/21 22:41	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		05/28/21 22:41	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		05/28/21 22:41	75-35-4	L1
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		05/28/21 22:41	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		05/28/21 22:41	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	105	%	70-130		1		05/28/21 22:41	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		05/28/21 22:41	2199-69-1	
Toluene-d8 (S)	99	%	70-130		1		05/28/21 22:41	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227641

Sample: MW-10A **Lab ID: 40227641011** Collected: 05/24/21 12:35 Received: 05/27/21 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Pace Analytical Services - Green Bay								
Cadmium, Dissolved	14.7	ug/L	5.0	1.3	1		06/04/21 14:02	7440-43-9	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227641

Sample: MW-23A **Lab ID: 40227641012** Collected: 05/25/21 11:00 Received: 05/27/21 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		05/28/21 23:00	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		05/28/21 23:00	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		05/28/21 23:00	75-35-4	L1
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		05/28/21 23:00	127-18-4	
Trichloroethene	0.43J	ug/L	1.0	0.32	1		05/28/21 23:00	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		05/28/21 23:00	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		05/28/21 23:00	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		05/28/21 23:00	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227641

Sample: MW-23B **Lab ID: 40227641013** Collected: 05/25/21 11:05 Received: 05/27/21 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		05/28/21 23:20	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		05/28/21 23:20	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		05/28/21 23:20	75-35-4	L1
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		05/28/21 23:20	127-18-4	
Trichloroethene	1.7	ug/L	1.0	0.32	1		05/28/21 23:20	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		05/28/21 23:20	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		05/28/21 23:20	2199-69-1	
Toluene-d8 (S)	99	%	70-130		1		05/28/21 23:20	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227641

Sample: MW-34A **Lab ID: 40227641014** Collected: 05/24/21 12:55 Received: 05/27/21 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		05/28/21 23:39	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		05/28/21 23:39	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		05/28/21 23:39	75-35-4	L1
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		05/28/21 23:39	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		05/28/21 23:39	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		05/28/21 23:39	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		05/28/21 23:39	2199-69-1	
Toluene-d8 (S)	99	%	70-130		1		05/28/21 23:39	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227641

Sample: MW-38A **Lab ID: 40227641015** Collected: 05/25/21 11:30 Received: 05/27/21 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		05/28/21 23:59	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		05/28/21 23:59	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		05/28/21 23:59	75-35-4	L1
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		05/28/21 23:59	127-18-4	
Trichloroethene	1.7	ug/L	1.0	0.32	1		05/28/21 23:59	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		05/28/21 23:59	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		05/28/21 23:59	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		05/28/21 23:59	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227641

Sample: MW-38B **Lab ID: 40227641016** Collected: 05/25/21 11:35 Received: 05/27/21 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	0.45J	ug/L	1.0	0.30	1		05/29/21 00:19	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		05/29/21 00:19	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		05/29/21 00:19	75-35-4	L1
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		05/29/21 00:19	127-18-4	
Trichloroethene	3.3	ug/L	1.0	0.32	1		05/29/21 00:19	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		05/29/21 00:19	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		05/29/21 00:19	2199-69-1	
Toluene-d8 (S)	98	%	70-130		1		05/29/21 00:19	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40227641

Sample: MW-38C **Lab ID: 40227641017** Collected: 05/25/21 11:40 Received: 05/27/21 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		05/29/21 00:38	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		05/29/21 00:38	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		05/29/21 00:38	75-35-4	L1
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		05/29/21 00:38	127-18-4	
Trichloroethene	1.4	ug/L	1.0	0.32	1		05/29/21 00:38	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		05/29/21 00:38	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		05/29/21 00:38	2199-69-1	
Toluene-d8 (S)	96	%	70-130		1		05/29/21 00:38	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227641

Sample: MW-68A **Lab ID: 40227641018** Collected: 05/24/21 13:20 Received: 05/27/21 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		05/29/21 00:58	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		05/29/21 00:58	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		05/29/21 00:58	75-35-4	L1
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		05/29/21 00:58	127-18-4	
Trichloroethene	0.40J	ug/L	1.0	0.32	1		05/29/21 00:58	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	105	%	70-130		1		05/29/21 00:58	460-00-4	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		05/29/21 00:58	2199-69-1	
Toluene-d8 (S)	99	%	70-130		1		05/29/21 00:58	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227641

Sample: MW-68B **Lab ID: 40227641019** Collected: 05/24/21 13:25 Received: 05/27/21 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		05/29/21 01:18	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		05/29/21 01:18	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		05/29/21 01:18	75-35-4	L1
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		05/29/21 01:18	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		05/29/21 01:18	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	105	%	70-130		1		05/29/21 01:18	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		05/29/21 01:18	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		05/29/21 01:18	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227641

Sample: MW-38B DUP **Lab ID: 40227641020** Collected: 05/25/21 11:35 Received: 05/27/21 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	0.53J	ug/L	1.0	0.30	1		05/29/21 01:37	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		05/29/21 01:37	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		05/29/21 01:37	75-35-4	L1
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		05/29/21 01:37	127-18-4	
Trichloroethene	3.6	ug/L	1.0	0.32	1		05/29/21 01:37	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		05/29/21 01:37	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		05/29/21 01:37	2199-69-1	
Toluene-d8 (S)	96	%	70-130		1		05/29/21 01:37	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227641

Sample: MW-70A **Lab ID: 40227641021** Collected: 05/24/21 12:40 Received: 05/27/21 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		05/29/21 01:57	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		05/29/21 01:57	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		05/29/21 01:57	75-35-4	L1
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		05/29/21 01:57	127-18-4	
Trichloroethene	0.46J	ug/L	1.0	0.32	1		05/29/21 01:57	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-130		1		05/29/21 01:57	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		05/29/21 01:57	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		05/29/21 01:57	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227641

Sample: MW-76A **Lab ID: 40227641022** Collected: 05/24/21 14:15 Received: 05/27/21 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	2.4	ug/L	1.0	0.30	1		06/02/21 20:50	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/02/21 20:50	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/02/21 20:50	75-35-4	
Tetrachloroethene	0.48J	ug/L	1.0	0.41	1		06/02/21 20:50	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		06/02/21 20:50	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		06/02/21 20:50	460-00-4	
1,2-Dichlorobenzene-d4 (S)	96	%	70-130		1		06/02/21 20:50	2199-69-1	
Toluene-d8 (S)	92	%	70-130		1		06/02/21 20:50	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227641

Sample: MW-76A DUP **Lab ID: 40227641023** Collected: 05/24/21 14:20 Received: 05/27/21 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	2.2	ug/L	1.0	0.30	1		06/02/21 21:11	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/02/21 21:11	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/02/21 21:11	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/02/21 21:11	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		06/02/21 21:11	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		06/02/21 21:11	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		06/02/21 21:11	2199-69-1	
Toluene-d8 (S)	91	%	70-130		1		06/02/21 21:11	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227641

Sample: MW-77A **Lab ID: 40227641024** Collected: 05/24/21 13:50 Received: 05/27/21 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/01/21 20:15	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/01/21 20:15	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/01/21 20:15	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/01/21 20:15	127-18-4	
Trichloroethene	0.38J	ug/L	1.0	0.32	1		06/01/21 20:15	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		06/01/21 20:15	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		06/01/21 20:15	2199-69-1	
Toluene-d8 (S)	95	%	70-130		1		06/01/21 20:15	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227641

Sample: MW-77B **Lab ID: 40227641025** Collected: 05/24/21 13:55 Received: 05/27/21 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/01/21 20:36	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/01/21 20:36	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/01/21 20:36	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/01/21 20:36	127-18-4	
Trichloroethene	1.8	ug/L	1.0	0.32	1		06/01/21 20:36	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		06/01/21 20:36	460-00-4	
1,2-Dichlorobenzene-d4 (S)	97	%	70-130		1		06/01/21 20:36	2199-69-1	
Toluene-d8 (S)	96	%	70-130		1		06/01/21 20:36	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227641

Sample: MW-77C **Lab ID: 40227641026** Collected: 05/24/21 14:05 Received: 05/27/21 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/01/21 20:57	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/01/21 20:57	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/01/21 20:57	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/01/21 20:57	127-18-4	
Trichloroethene	0.67J	ug/L	1.0	0.32	1		06/01/21 20:57	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		06/01/21 20:57	460-00-4	
1,2-Dichlorobenzene-d4 (S)	95	%	70-130		1		06/01/21 20:57	2199-69-1	
Toluene-d8 (S)	96	%	70-130		1		06/01/21 20:57	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227641

Sample: RW-2A **Lab ID: 40227641027** Collected: 05/25/21 10:35 Received: 05/27/21 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260 Pace Analytical Services - Green Bay							
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/01/21 21:18	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/01/21 21:18	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/01/21 21:18	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/01/21 21:18	127-18-4	
Trichloroethene	0.87J	ug/L	1.0	0.32	1		06/01/21 21:18	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		06/01/21 21:18	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		06/01/21 21:18	2199-69-1	
Toluene-d8 (S)	97	%	70-130		1		06/01/21 21:18	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227641

Sample: RW-2B **Lab ID: 40227641028** Collected: 05/25/21 10:40 Received: 05/27/21 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/01/21 21:39	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/01/21 21:39	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/01/21 21:39	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/01/21 21:39	127-18-4	
Trichloroethene	1.7	ug/L	1.0	0.32	1		06/01/21 21:39	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		06/01/21 21:39	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		06/01/21 21:39	2199-69-1	
Toluene-d8 (S)	97	%	70-130		1		06/01/21 21:39	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227641

Sample: RW-2C **Lab ID: 40227641029** Collected: 05/25/21 10:45 Received: 05/27/21 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/01/21 21:59	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/01/21 21:59	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/01/21 21:59	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/01/21 21:59	127-18-4	
Trichloroethene	1.8	ug/L	1.0	0.32	1		06/01/21 21:59	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		06/01/21 21:59	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		06/01/21 21:59	2199-69-1	
Toluene-d8 (S)	95	%	70-130		1		06/01/21 21:59	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227641

Sample: RW-15 **Lab ID: 40227641030** Collected: 05/25/21 11:55 Received: 05/27/21 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/01/21 22:20	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/01/21 22:20	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/01/21 22:20	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/01/21 22:20	127-18-4	
Trichloroethene	2.3	ug/L	1.0	0.32	1		06/01/21 22:20	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		06/01/21 22:20	460-00-4	
1,2-Dichlorobenzene-d4 (S)	95	%	70-130		1		06/01/21 22:20	2199-69-1	
Toluene-d8 (S)	95	%	70-130		1		06/01/21 22:20	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227641

Sample: WW-15 **Lab ID: 40227641031** Collected: 05/25/21 11:15 Received: 05/27/21 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/01/21 22:40	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/01/21 22:40	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/01/21 22:40	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/01/21 22:40	127-18-4	
Trichloroethene	0.40J	ug/L	1.0	0.32	1		06/01/21 22:40	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		06/01/21 22:40	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		06/01/21 22:40	2199-69-1	
Toluene-d8 (S)	93	%	70-130		1		06/01/21 22:40	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227641

Sample: MW-35A **Lab ID: 40227641032** Collected: 05/25/21 13:05 Received: 05/27/21 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/01/21 23:01	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/01/21 23:01	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/01/21 23:01	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/01/21 23:01	127-18-4	
Trichloroethene	0.98J	ug/L	1.0	0.32	1		06/01/21 23:01	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		06/01/21 23:01	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		06/01/21 23:01	2199-69-1	
Toluene-d8 (S)	94	%	70-130		1		06/01/21 23:01	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227641

Sample: MW-35B **Lab ID: 40227641033** Collected: 05/25/21 13:10 Received: 05/27/21 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/02/21 17:43	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/02/21 17:43	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/02/21 17:43	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/02/21 17:43	127-18-4	
Trichloroethene	0.80J	ug/L	1.0	0.32	1		06/02/21 17:43	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		06/02/21 17:43	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		1		06/02/21 17:43	2199-69-1	
Toluene-d8 (S)	93	%	70-130		1		06/02/21 17:43	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227641

Sample: MW-41A **Lab ID: 40227641034** Collected: 05/25/21 13:40 Received: 05/27/21 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/02/21 18:04	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/02/21 18:04	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/02/21 18:04	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/02/21 18:04	127-18-4	
Trichloroethene	2.0	ug/L	1.0	0.32	1		06/02/21 18:04	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		06/02/21 18:04	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		06/02/21 18:04	2199-69-1	
Toluene-d8 (S)	92	%	70-130		1		06/02/21 18:04	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227641

Sample: MW-41B **Lab ID: 40227641035** Collected: 05/25/21 13:45 Received: 05/27/21 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/02/21 18:25	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/02/21 18:25	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/02/21 18:25	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/02/21 18:25	127-18-4	
Trichloroethene	2.2	ug/L	1.0	0.32	1		06/02/21 18:25	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		06/02/21 18:25	460-00-4	
1,2-Dichlorobenzene-d4 (S)	97	%	70-130		1		06/02/21 18:25	2199-69-1	
Toluene-d8 (S)	95	%	70-130		1		06/02/21 18:25	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227641

Sample: MW-43A **Lab ID: 40227641036** Collected: 05/25/21 13:20 Received: 05/27/21 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/02/21 18:45	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/02/21 18:45	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/02/21 18:45	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/02/21 18:45	127-18-4	
Trichloroethene	1.7	ug/L	1.0	0.32	1		06/02/21 18:45	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		06/02/21 18:45	460-00-4	
1,2-Dichlorobenzene-d4 (S)	97	%	70-130		1		06/02/21 18:45	2199-69-1	
Toluene-d8 (S)	93	%	70-130		1		06/02/21 18:45	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227641

Sample: MW-43B **Lab ID: 40227641037** Collected: 05/25/21 13:25 Received: 05/27/21 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/02/21 19:06	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/02/21 19:06	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/02/21 19:06	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/02/21 19:06	127-18-4	
Trichloroethene	1.1	ug/L	1.0	0.32	1		06/02/21 19:06	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		06/02/21 19:06	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		1		06/02/21 19:06	2199-69-1	
Toluene-d8 (S)	92	%	70-130		1		06/02/21 19:06	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227641

Sample: RW-16 **Lab ID: 40227641038** Collected: 05/25/21 14:35 Received: 05/27/21 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/02/21 19:27	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/02/21 19:27	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/02/21 19:27	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/02/21 19:27	127-18-4	
Trichloroethene	1.9	ug/L	1.0	0.32	1		06/02/21 19:27	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		06/02/21 19:27	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		06/02/21 19:27	2199-69-1	
Toluene-d8 (S)	93	%	70-130		1		06/02/21 19:27	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227641

Sample: RW-16B **Lab ID: 40227641039** Collected: 05/25/21 14:40 Received: 05/27/21 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/02/21 19:48	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/02/21 19:48	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/02/21 19:48	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/02/21 19:48	127-18-4	
Trichloroethene	2.6	ug/L	1.0	0.32	1		06/02/21 19:48	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		06/02/21 19:48	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		06/02/21 19:48	2199-69-1	
Toluene-d8 (S)	93	%	70-130		1		06/02/21 19:48	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227641

Sample: RW-3A **Lab ID: 40227641040** Collected: 05/25/21 15:05 Received: 05/27/21 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/02/21 20:09	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/02/21 20:09	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/02/21 20:09	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/02/21 20:09	127-18-4	
Trichloroethene	1.5	ug/L	1.0	0.32	1		06/02/21 20:09	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		06/02/21 20:09	460-00-4	
1,2-Dichlorobenzene-d4 (S)	93	%	70-130		1		06/02/21 20:09	2199-69-1	
Toluene-d8 (S)	91	%	70-130		1		06/02/21 20:09	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227641

Sample: RW-3A DUP **Lab ID: 40227641041** Collected: 05/25/21 15:07 Received: 05/27/21 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/02/21 20:29	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/02/21 20:29	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/02/21 20:29	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/02/21 20:29	127-18-4	
Trichloroethene	1.0	ug/L	1.0	0.32	1		06/02/21 20:29	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		06/02/21 20:29	460-00-4	
1,2-Dichlorobenzene-d4 (S)	97	%	70-130		1		06/02/21 20:29	2199-69-1	
Toluene-d8 (S)	97	%	70-130		1		06/02/21 20:29	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227641

Sample: RW-3B **Lab ID: 40227641042** Collected: 05/25/21 15:10 Received: 05/27/21 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		05/30/21 18:46	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		05/30/21 18:46	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		05/30/21 18:46	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		05/30/21 18:46	127-18-4	
Trichloroethene	2.6	ug/L	1.0	0.32	1		05/30/21 18:46	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		05/30/21 18:46	460-00-4	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		05/30/21 18:46	2199-69-1	
Toluene-d8 (S)	95	%	70-130		1		05/30/21 18:46	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227641

Sample: RW-3C **Lab ID: 40227641043** Collected: 05/25/21 15:15 Received: 05/27/21 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	0.31J	ug/L	1.0	0.30	1		05/30/21 19:05	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		05/30/21 19:05	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		05/30/21 19:05	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		05/30/21 19:05	127-18-4	
Trichloroethene	3.0	ug/L	1.0	0.32	1		05/30/21 19:05	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		05/30/21 19:05	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		05/30/21 19:05	2199-69-1	
Toluene-d8 (S)	92	%	70-130		1		05/30/21 19:05	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227641

Sample: TRIP BLANK **Lab ID: 40227641044** Collected: 05/25/21 00:00 Received: 05/27/21 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		05/30/21 16:55	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		05/30/21 16:55	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		05/30/21 16:55	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		05/30/21 16:55	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		05/30/21 16:55	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		05/30/21 16:55	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		05/30/21 16:55	2199-69-1	
Toluene-d8 (S)	108	%	70-130		1		05/30/21 16:55	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40227641

QC Batch: 387154	Analysis Method: EPA 6010D
QC Batch Method: EPA 6010D	Analysis Description: ICP Metals, Trace, Dissolved
	Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40227641011

METHOD BLANK: 2233283 Matrix: Water

Associated Lab Samples: 40227641011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cadmium, Dissolved	ug/L	<1.3	5.0	06/04/21 13:33	

LABORATORY CONTROL SAMPLE: 2233284

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cadmium, Dissolved	ug/L	500	447	89	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2233286 2233287

Parameter	Units	2233286		2233287		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40227854001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							MSD Result
Cadmium, Dissolved	ug/L	<1.3	500	500	461	452	92	90	75-125	2	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40227641

QC Batch: 386610 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40227641042, 40227641043, 40227641044

METHOD BLANK: 2230805 Matrix: Water

Associated Lab Samples: 40227641042, 40227641043, 40227641044

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.30	1.0	05/30/21 15:40	
1,1-Dichloroethane	ug/L	<0.30	1.0	05/30/21 15:40	
1,1-Dichloroethene	ug/L	<0.58	1.0	05/30/21 15:40	
Tetrachloroethene	ug/L	<0.41	1.0	05/30/21 15:40	
Trichloroethene	ug/L	<0.32	1.0	05/30/21 15:40	
1,2-Dichlorobenzene-d4 (S)	%	104	70-130	05/30/21 15:40	
4-Bromofluorobenzene (S)	%	99	70-130	05/30/21 15:40	
Toluene-d8 (S)	%	96	70-130	05/30/21 15:40	

LABORATORY CONTROL SAMPLE: 2230806

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	50.6	101	70-130	
1,1-Dichloroethane	ug/L	50	45.7	91	68-132	
1,1-Dichloroethene	ug/L	50	50.1	100	85-126	
Tetrachloroethene	ug/L	50	51.4	103	70-130	
Trichloroethene	ug/L	50	49.3	99	70-130	
1,2-Dichlorobenzene-d4 (S)	%			103	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2230807 2230808

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40227616005 Result	Spike Conc.	Spike Conc.	Conc.								
1,1,1-Trichloroethane	ug/L	0.31J	50	50	54.8	54.8	109	109	70-130	0	20		
1,1-Dichloroethane	ug/L	<0.30	50	50	45.8	46.4	92	93	68-132	1	20		
1,1-Dichloroethene	ug/L	<0.58	50	50	50.2	51.0	100	102	76-132	2	20		
Tetrachloroethene	ug/L	<0.41	50	50	56.9	57.9	113	115	70-130	2	20		
Trichloroethene	ug/L	3.0	50	50	52.3	52.9	98	100	70-130	1	20		
1,2-Dichlorobenzene-d4 (S)	%						102	102	70-130				
4-Bromofluorobenzene (S)	%						95	95	70-130				
Toluene-d8 (S)	%						97	97	70-130				

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40227641

QC Batch: 386611 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40227641001, 40227641002, 40227641003, 40227641004, 40227641005, 40227641006, 40227641007, 40227641008, 40227641009, 40227641010, 40227641012, 40227641013, 40227641014, 40227641015, 40227641016, 40227641017, 40227641018, 40227641019, 40227641020, 40227641021

METHOD BLANK: 2230809 Matrix: Water
Associated Lab Samples: 40227641001, 40227641002, 40227641003, 40227641004, 40227641005, 40227641006, 40227641007, 40227641008, 40227641009, 40227641010, 40227641012, 40227641013, 40227641014, 40227641015, 40227641016, 40227641017, 40227641018, 40227641019, 40227641020, 40227641021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.30	1.0	05/28/21 15:49	
1,1-Dichloroethane	ug/L	<0.30	1.0	05/28/21 15:49	
1,1-Dichloroethene	ug/L	<0.58	1.0	05/28/21 15:49	
Tetrachloroethene	ug/L	<0.41	1.0	05/28/21 15:49	
Trichloroethene	ug/L	<0.32	1.0	05/28/21 15:49	
1,2-Dichlorobenzene-d4 (S)	%	104	70-130	05/28/21 15:49	
4-Bromofluorobenzene (S)	%	104	70-130	05/28/21 15:49	
Toluene-d8 (S)	%	99	70-130	05/28/21 15:49	

LABORATORY CONTROL SAMPLE: 2230810

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	58.0	116	70-130	
1,1-Dichloroethane	ug/L	50	59.4	119	68-132	
1,1-Dichloroethene	ug/L	50	64.7	129	85-126	L1
Tetrachloroethene	ug/L	50	57.4	115	70-130	
Trichloroethene	ug/L	50	56.1	112	70-130	
1,2-Dichlorobenzene-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			109	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2230811 2230812

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40227641006 Result	Spike Conc.	Spike Conc.	MS Result						
1,1,1-Trichloroethane	ug/L	1.3	50	50	58.8	58.7	115	115	70-130	0	20
1,1-Dichloroethane	ug/L	<0.30	50	50	60.0	57.5	120	115	68-132	4	20
1,1-Dichloroethene	ug/L	<0.58	50	50	61.2	62.4	122	125	76-132	2	20
Tetrachloroethene	ug/L	<0.41	50	50	56.4	56.0	113	112	70-130	1	20
Trichloroethene	ug/L	0.78J	50	50	56.1	55.9	111	110	70-130	0	20
1,2-Dichlorobenzene-d4 (S)	%						100	101	70-130		
4-Bromofluorobenzene (S)	%						109	110	70-130		
Toluene-d8 (S)	%						97	96	70-130		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40227641

QC Batch: 386612 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40227641022, 40227641023, 40227641024, 40227641025, 40227641026, 40227641027, 40227641028, 40227641029, 40227641030, 40227641031, 40227641032, 40227641033, 40227641034, 40227641035, 40227641036, 40227641037, 40227641038, 40227641039, 40227641040, 40227641041

METHOD BLANK: 2230813 Matrix: Water
Associated Lab Samples: 40227641022, 40227641023, 40227641024, 40227641025, 40227641026, 40227641027, 40227641028, 40227641029, 40227641030, 40227641031, 40227641032, 40227641033, 40227641034, 40227641035, 40227641036, 40227641037, 40227641038, 40227641039, 40227641040, 40227641041

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.30	1.0	06/01/21 18:32	
1,1-Dichloroethane	ug/L	<0.30	1.0	06/01/21 18:32	
1,1-Dichloroethene	ug/L	<0.58	1.0	06/01/21 18:32	
Tetrachloroethene	ug/L	<0.41	1.0	06/01/21 18:32	
Trichloroethene	ug/L	<0.32	1.0	06/01/21 18:32	
1,2-Dichlorobenzene-d4 (S)	%	98	70-130	06/01/21 18:32	
4-Bromofluorobenzene (S)	%	99	70-130	06/01/21 18:32	
Toluene-d8 (S)	%	98	70-130	06/01/21 18:32	

LABORATORY CONTROL SAMPLE: 2230814

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	56.1	112	70-130	
1,1-Dichloroethane	ug/L	50	52.6	105	68-132	
1,1-Dichloroethene	ug/L	50	51.9	104	85-126	
Tetrachloroethene	ug/L	50	42.1	84	70-130	
Trichloroethene	ug/L	50	50.4	101	70-130	
1,2-Dichlorobenzene-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			98	70-130	
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2232099 2232100

Parameter	Units	40227641024 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	MS Result	Spike Conc.	MSD Result						
1,1,1-Trichloroethane	ug/L	<0.30	50	50	57.7	58.4	115	117	70-130	1	20	
1,1-Dichloroethane	ug/L	<0.30	50	50	56.7	56.9	113	114	68-132	0	20	
1,1-Dichloroethene	ug/L	<0.58	50	50	53.0	56.5	106	113	76-132	6	20	
Tetrachloroethene	ug/L	<0.41	50	50	45.2	46.2	90	92	70-130	2	20	
Trichloroethene	ug/L	0.38J	50	50	51.5	52.9	102	105	70-130	3	20	
1,2-Dichlorobenzene-d4 (S)	%						98	98	70-130			
4-Bromofluorobenzene (S)	%						97	101	70-130			
Toluene-d8 (S)	%						96	97	70-130			

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227641

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

L1 Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40227641

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40227641011	MW-10A	EPA 6010D	387154		
40227641001	MW-5A	EPA 8260	386611		
40227641002	MW-62AR	EPA 8260	386611		
40227641003	MW-62B	EPA 8260	386611		
40227641004	MW-65B	EPA 8260	386611		
40227641005	MW-65C	EPA 8260	386611		
40227641006	EW-6	EPA 8260	386611		
40227641007	EW-6 DUP	EPA 8260	386611		
40227641008	MH-18	EPA 8260	386611		
40227641009	MH-18 DUP	EPA 8260	386611		
40227641010	MW-4B	EPA 8260	386611		
40227641012	MW-23A	EPA 8260	386611		
40227641013	MW-23B	EPA 8260	386611		
40227641014	MW-34A	EPA 8260	386611		
40227641015	MW-38A	EPA 8260	386611		
40227641016	MW-38B	EPA 8260	386611		
40227641017	MW-38C	EPA 8260	386611		
40227641018	MW-68A	EPA 8260	386611		
40227641019	MW-68B	EPA 8260	386611		
40227641020	MW-38B DUP	EPA 8260	386611		
40227641021	MW-70A	EPA 8260	386611		
40227641022	MW-76A	EPA 8260	386612		
40227641023	MW-76A DUP	EPA 8260	386612		
40227641024	MW-77A	EPA 8260	386612		
40227641025	MW-77B	EPA 8260	386612		
40227641026	MW-77C	EPA 8260	386612		
40227641027	RW-2A	EPA 8260	386612		
40227641028	RW-2B	EPA 8260	386612		
40227641029	RW-2C	EPA 8260	386612		
40227641030	RW-15	EPA 8260	386612		
40227641031	WW-15	EPA 8260	386612		
40227641032	MW-35A	EPA 8260	386612		
40227641033	MW-35B	EPA 8260	386612		
40227641034	MW-41A	EPA 8260	386612		
40227641035	MW-41B	EPA 8260	386612		
40227641036	MW-43A	EPA 8260	386612		
40227641037	MW-43B	EPA 8260	386612		
40227641038	RW-16	EPA 8260	386612		
40227641039	RW-16B	EPA 8260	386612		
40227641040	RW-3A	EPA 8260	386612		
40227641041	RW-3A DUP	EPA 8260	386612		
40227641042	RW-3B	EPA 8260	386610		
40227641043	RW-3C	EPA 8260	386610		
40227641044	TRIP BLANK	EPA 8260	386610		

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: Gannett Fleming, Inc.
Branch/Location: Madison, WI
Project Contact: Cliff Wright
Phone: 608/327-5047
Project Number: 34283.000
Project Name: National Presto Industries (NPI)
Project State: WI
Sampled By (Print): Marcus Mussey
Sampled By (Sign): [Signature]
Regulatory Program:



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

COC No. 40227641

CHAIN OF CUSTODY

Table with Preservation Codes: A=None, B=HCL, C=H2SO4, D=HNO3, E=DI Water, F=Methanol, H=Sodium Bisulfate Solution, I=Sodium Thiosulfate, J=Other

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

Table with columns: Y/N, N, Y, Analyses Requested (NPI Short-list VOCs, Dissolved cadmium (Cd))

Quote #: Pace 2021
Mall To Contact: Cliff Wright
Mall To Company: Gannett Fleming
Mall To Address: 8040 Excelsior Dr. Suite 303, Madison, WI 53717
Invoice To Contact: Derrick Paul
Invoice To Company: National Presto Industries
Invoice To Address: 3925 N Hastings Way, Eau Claire, WI. And send copy of Level IV data pkg. to Mary Gannon for validation.
Invoice To Phone: 715/839-2141
CLIENT COMMENTS, LAB COMMENTS (Lab Use Only), Profile #

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, B=Biota, C=Charcoal, O=Oil, S=Soil, Sl=Sludge, W=Water, DW=Drinking Water, GW=Ground Water, SW=Surface Water, WW=Waste Water, WP=Wipe

Table with columns: PACE LAB #, CLIENT FIELD ID, COLLECTION (DATE, TIME), MATRIX

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge)
Date Needed:
Transmit Prelim Rush Results by (complete what you want):
Relinquished By: [Signature] Date/Time: 5/25, 17:00
Received By: [Signature] Date/Time: [Signature] Date/Time: 5/27/12 0920
Email #1, #2, Telephone, Fax
Samples on HOLD are subject to special pricing and release of liability
Pace Project No. 40227641
Receipt Temp = 2.5 °C
Sample Receipt pH OK Adjusted
Cooler Custody Seal Present / Not Present Intact / Not Intact

(Please Print Clearly)

UPPER MIDWEST REGION

Page 2 of 4

MN: 612-607-1700 WI: 920-469-2436



COC No. 40227641

Company Name: Gannett Fleming, Inc.
 Branch/Location: Madison, WI
 Project Contact: Cliff Wright
 Phone: 608/327-5047
 Project Number: 34283.000
 Project Name: National Presto Industries (NPI)
 Project State: WI
 Sampled By (Print): Marcus Mussey
 Sampled By (Sign): *[Signature]*

CHAIN OF CUSTODY

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

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

Y/N	N	Y																
	B	D																
Analyses Requested	Pick Letter	NPI Short-list VOCs	Dissolved cadmium (Cd)															

Quote #: Pace 2021
 Mail To Contact: Cliff Wright
 Mail To Company: Gannett Fleming
 Mail To Address: 8040 Excelsior Dr. Suite 303, Madison, WI 53717
 Invoice To Contact: Derrick Paul
 Invoice To Company: National Presto Industries
 Invoice To Address: 3925 N Hastings Way, Eau Claire, WI. And send copy of Level IV data pkg. to Mary Gannon for validation.
 Invoice To Phone: 715/839-2141

CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #

PO #: _____ Regulatory Program: _____

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
 Sl = Sludge WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX	Y/N	N	Y												
		DATE	TIME																
014	MW-34A	5/24	12:55	GW		3													
015	MW-38A	5/25	11:30			3													
016	MW-38B		11:35			3													
017	MW-38C		11:40			3													
018	MW-68A	5/24	13:20			3													
019	MW-68B	"	13:25			3													
020	MW-38B Dup	5/25	11:35			3													
021	MW-70A	5/24	12:40			3													
022	MW-76A		14:15			3													
023	MW-76A Dup		14:20			3													
024	MW-77A		13:50			3													
025	MW-77B		13:55			3													
026	MW-77C		14:05			3													

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge) Date Needed:	Relinquished By: <i>[Signature]</i> Date/Time: 5/25, 17:00	Received By: _____ Date/Time: _____	PACE Project No. 40227641
	Relinquished By: <i>Fedex</i> Date/Time: 5/25/24 09:20	Received By: <i>Anthony Wood</i> Date/Time: 5/27/24 09:20	
Transmit Prelim Rush Results by (complete what you want):	Relinquished By: _____ Date/Time: _____	Received By: _____ Date/Time: _____	Sample Receipt pH <input checked="" type="checkbox"/> Adjusted
Email #1:	Relinquished By: _____ Date/Time: _____	Received By: _____ Date/Time: _____	Cooler Custody Seal Present / Not Present Intact / Not Intact
Email #2:	Relinquished By: _____ Date/Time: _____	Received By: _____ Date/Time: _____	
Telephone:	Relinquished By: _____ Date/Time: _____	Received By: _____ Date/Time: _____	
Fax:	Relinquished By: _____ Date/Time: _____	Received By: _____ Date/Time: _____	
Samples on HOLD are subject to special pricing and release of liability	Relinquished By: _____ Date/Time: _____	Received By: _____ Date/Time: _____	

(Please Print Clearly)

Company Name: Gannett Fleming, Inc.
 Branch/Location: Madison, WI
 Project Contact: Cliff Wright
 Phone: 608/327-5047
 Project Number: 34283.000
 Project Name: National Presto Industries (NPI)
 Project State: WI
 Sampled By (Print): Marcus Mussey
 Sampled By (Sign): *[Signature]*



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

COC No. 40227641

CHAIN OF CUSTODY

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

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

Y/N	N	Y																	
	B	D																	
Analyses Requested	Pick Letter	NPI Short-list VOCs	Dissolved cadmium (Cd)																

Quote #: Pace 2021
 Mail To Contact: Cliff Wright
 Mail To Company: Gannett Fleming
 Mail To Address: 8040 Excelsior Dr. Suite 303, Madison, WI 53717
 Invoice To Contact: Derrick Paul
 Invoice To Company: National Presto Industries
 Invoice To Address: 3925 N Hastings Way, Eau Claire, WI. And send copy of Level IV data pkg. to Mary Gannon for validation.
 Invoice To Phone: 715/839-2141
 CLIENT COMMENTS:
 LAB COMMENTS (Lab Use Only):
 Profile #:

PO #:
 Regulatory Program:
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
 Sl = Sludge WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX	Y/N	N	Y													
		DATE	TIME																	
027	RW-2A	5/25	10:35	GW		3														
028	RW-2B		10:40			3														
029	RW-2C		10:45			3														
030	RW-15		11:55			3														
031	WW-15		11:15			3														
032	MW-35A		13:05			3														
033	-35B		13:10			3														
034	-41A		13:40			3														
035	-41B		13:45			3														
036	-43A		13:20			3														
037	-43B		13:25			3														
038	RW-16		14:35			3														
039	RW-16B		14:40			3														

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: 5/25 17:00
 Relinquished By: *Fedex* Date/Time: 5/27/12 0920
 Relinquished By: Date/Time:
 Relinquished By: Date/Time:
 Relinquished By: Date/Time:

Received By: Date/Time:
 Received By: *Anthony Wood* Date/Time: 5/27/12 0920
 Received By: Date/Time:
 Received By: Date/Time:
 Received By: Date/Time:

PACE Project No. 40227641
 Receipt Temp = 2.5 °C
 Sample Receipt pH Adjusted
 Cooler Custody Seal Present / Not Present Intact / Not Intact

(Please Print Clearly)

Company Name: Gannett Fleming, Inc.
 Branch/Location: Madison, WI
 Project Contact: Cliff Wright
 Phone: 608/327-5047
 Project Number: 34283.000
 Project Name: National Presto Industries (NPI)
 Project State: WI
 Sampled By (Print): Marcus Mussey
 Sampled By (Sign): *[Signature]*



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

COC No. 40227641

CHAIN OF CUSTODY

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

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

Y / N	N	Y																	
Pick Letter	B	D																	
Analyses Requested	NPI Short-list VOCs	Dissolved cadmium (Cd)																	

Quote #: Pace 2021
 Mail To Contact: Cliff Wright
 Mail To Company: Gannett Fleming
 Mail To Address: 8040 Excelsior Dr. Suite 303, Madison, WI 53717
 Invoice To Contact: Derrick Paul
 Invoice To Company: National Presto Industries
 Invoice To Address: 3925 N Hastings Way, Eau Claire, WI. And send copy of Level IV data pkg. to Mary Gannon for validation.
 Invoice To Phone: 715/839-2141

CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #

PO #: _____ Regulatory Program: _____

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	N	Y													
		DATE	TIME																	
040	RW-3A	5/25	15:05	GW																
041	RW-3A Dup		15:07																	
042	RW-3B		15:10																	
043	RW-3C		15:15																	
044	Trip Blank																			

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: <i>[Signature]</i> Date/Time: 5/25 17:00	Received By: _____ Date/Time: _____	PACE Project No. 40227641 Receipt Temp = 25 °C Sample Receipt pH (OK) Adjusted Cooler Custody Seal Present / Not Present Intact / Not Intact
	Relinquished By: <i>Fedex</i> Date/Time: 5/27/21 09:00	Received By: <i>Anthony D. [Signature]</i> Date/Time: 5/27/21 09:00	
	Relinquished By: _____ Date/Time: _____	Received By: _____ Date/Time: _____	
	Relinquished By: _____ Date/Time: _____	Received By: _____ Date/Time: _____	
	Relinquished By: _____ Date/Time: _____	Received By: _____ Date/Time: _____	

Sample Preservation Receipt Form

Pace Analytical Services, LLC
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Client Name: Gannett Fleming

Project # 40227641

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

Initial when completed: MS Date/Time:

Lab Lot# of pH paper: 1003601 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	JG9U	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 Preservation Receipt Form

Client Name: Gannett Fleming Project #: 40227641

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		
021																	W																	2.5 / 5 / 10	
022																	W																	2.5 / 5 / 10	
023																	W																	2.5 / 5 / 10	
024																	W																	2.5 / 5 / 10	
025																	W																	2.5 / 5 / 10	
026																	W																	2.5 / 5 / 10	
027																	W																	2.5 / 5 / 10	
028																	W																	2.5 / 5 / 10	
029																	W																	2.5 / 5 / 10	
030																	W																	2.5 / 5 / 10	
031																	W																	2.5 / 5 / 10	
032																	W																	2.5 / 5 / 10	
033																	W																	2.5 / 5 / 10	
034																	W																	2.5 / 5 / 10	
035																	W																	2.5 / 5 / 10	
036																	W																	2.5 / 5 / 10	
037																	W																	2.5 / 5 / 10	
038																	W																	2.5 / 5 / 10	
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042																	W																	2.5 / 5 / 10	
043																	W																	2.5 / 5 / 10	
044																	W																	2.5 / 5 / 10	
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																																			2.5 / 5 / 10

5/27/21 JAS

 1241 Bellevue Street, Green Bay, WI 54302	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: 26Mar2020
	Document No.: ENV-FRM-GBAY-0014-Rev.00	Author: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project #: _____

Client Name: Gannett Fleming

WO# : 40227641

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



Tracking #: 7875 8354 5217

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

Cooler Temperature Uncorr: 2.5 / Corr: 2.5

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

Person examining contents:	
Date: <u>5/27/21</u>	Initials: <u>AW</u>
Labeled By Initials: <u>[Signature]</u>	

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 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.
-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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. <u>038: one VGMH "10:45", 020: "11:37",</u> <u>033-037: all ids start with "MW"</u>
-Includes date/time/ID/Analysis Matrix: <u>L</u>		
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13. <u>5/27/21 AW</u>
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>463</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 logis

June 01, 2021

Project #34283.000 NPI
Q2 Groundwater (1 of 3)
Reviewed by CCW
6/1/2021

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

RE: Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40227616

Dear Clifford Wright:

Enclosed are the analytical results for sample(s) received by the laboratory on May 27, 2021. 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



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227616

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

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227616

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40227616001	MW-49A	Water	05/26/21 11:00	05/27/21 09:20
40227616002	MW-49B	Water	05/26/21 11:05	05/27/21 09:20
40227616003	MW-51A	Water	05/26/21 09:40	05/27/21 09:20
40227616004	MW-51B	Water	05/26/21 09:45	05/27/21 09:20
40227616005	MW-52A	Water	05/26/21 09:55	05/27/21 09:20
40227616006	MW-52B	Water	05/26/21 10:00	05/27/21 09:20
40227616007	MW-53A	Water	05/26/21 10:15	05/27/21 09:20
40227616008	MW-53B	Water	05/26/21 10:20	05/27/21 09:20
40227616009	MW-54A	Water	05/26/21 10:35	05/27/21 09:20
40227616010	MW-54B	Water	05/26/21 10:40	05/27/21 09:20
40227616011	MW-54C	Water	05/26/21 10:45	05/27/21 09:20
40227616012	MW-55B	Water	05/26/21 11:15	05/27/21 09:20
40227616013	MW-55C	Water	05/26/21 11:20	05/27/21 09:20
40227616014	MW-52A DUP	Water	05/26/21 09:57	05/27/21 09:20
40227616015	TRIP BLANK	Water	05/26/21 00:00	05/27/21 09:20

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227616

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40227616001	MW-49A	EPA 8260	LAP	8	PASI-G
40227616002	MW-49B	EPA 8260	LAP	8	PASI-G
40227616003	MW-51A	EPA 8260	LAP	8	PASI-G
40227616004	MW-51B	EPA 8260	LAP	8	PASI-G
40227616005	MW-52A	EPA 8260	LAP	8	PASI-G
40227616006	MW-52B	EPA 8260	LAP	8	PASI-G
40227616007	MW-53A	EPA 8260	LAP	8	PASI-G
40227616008	MW-53B	EPA 8260	LAP	8	PASI-G
40227616009	MW-54A	EPA 8260	LAP	8	PASI-G
40227616010	MW-54B	EPA 8260	LAP	8	PASI-G
40227616011	MW-54C	EPA 8260	LAP	8	PASI-G
40227616012	MW-55B	EPA 8260	LAP	8	PASI-G
40227616013	MW-55C	EPA 8260	LAP	8	PASI-G
40227616014	MW-52A DUP	EPA 8260	LAP	8	PASI-G
40227616015	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 NATIONAL PRESTO IND.
Pace Project No.: 40227616

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40227616001	MW-49A					
EPA 8260	Trichloroethene	0.41J	ug/L	1.0	05/30/21 19:23	
40227616004	MW-51B					
EPA 8260	1,1,1-Trichloroethane	0.40J	ug/L	1.0	05/30/21 20:19	
EPA 8260	Trichloroethene	3.0	ug/L	1.0	05/30/21 20:19	
40227616005	MW-52A					
EPA 8260	1,1,1-Trichloroethane	0.31J	ug/L	1.0	05/30/21 17:32	
EPA 8260	Trichloroethene	3.0	ug/L	1.0	05/30/21 17:32	
40227616006	MW-52B					
EPA 8260	1,1,1-Trichloroethane	0.37J	ug/L	1.0	05/30/21 17:50	
EPA 8260	Trichloroethene	3.0	ug/L	1.0	05/30/21 17:50	
40227616007	MW-53A					
EPA 8260	Trichloroethene	1.5	ug/L	1.0	05/30/21 20:37	
40227616008	MW-53B					
EPA 8260	1,1,1-Trichloroethane	0.32J	ug/L	1.0	05/30/21 20:56	
EPA 8260	Trichloroethene	2.5	ug/L	1.0	05/30/21 20:56	
40227616010	MW-54B					
EPA 8260	Trichloroethene	3.0	ug/L	1.0	05/30/21 21:33	
40227616011	MW-54C					
EPA 8260	1,1,1-Trichloroethane	0.35J	ug/L	1.0	05/30/21 21:52	
EPA 8260	Trichloroethene	3.1	ug/L	1.0	05/30/21 21:52	
40227616012	MW-55B					
EPA 8260	Trichloroethene	1.7	ug/L	1.0	05/30/21 22:11	
40227616013	MW-55C					
EPA 8260	Trichloroethene	0.32J	ug/L	1.0	05/30/21 18:09	
40227616014	MW-52A DUP					
EPA 8260	Trichloroethene	3.0	ug/L	1.0	05/30/21 18:28	

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227616

Method: EPA 8260

Description: 8260 MSV

Client: Gannett Fleming Inc.

Date: June 01, 2021

General Information:

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

Hold Time:

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

Initial Calibrations (including MS Tune as applicable):

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

Continuing Calibration:

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

Internal Standards:

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

Surrogates:

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

Method Blank:

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

Laboratory Control Spike:

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

Matrix Spikes:

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

Additional Comments:

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

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227616

Sample: MW-49A **Lab ID: 40227616001** Collected: 05/26/21 11:00 Received: 05/27/21 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		05/30/21 19:23	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		05/30/21 19:23	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		05/30/21 19:23	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		05/30/21 19:23	127-18-4	
Trichloroethene	0.41J	ug/L	1.0	0.32	1		05/30/21 19:23	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		05/30/21 19:23	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		05/30/21 19:23	2199-69-1	
Toluene-d8 (S)	93	%	70-130		1		05/30/21 19:23	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227616

Sample: MW-49B **Lab ID: 40227616002** Collected: 05/26/21 11:05 Received: 05/27/21 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		05/30/21 19:42	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		05/30/21 19:42	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		05/30/21 19:42	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		05/30/21 19:42	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		05/30/21 19:42	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		05/30/21 19:42	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		05/30/21 19:42	2199-69-1	
Toluene-d8 (S)	92	%	70-130		1		05/30/21 19:42	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227616

Sample: MW-51A **Lab ID: 40227616003** Collected: 05/26/21 09:40 Received: 05/27/21 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		05/30/21 20:00	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		05/30/21 20:00	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		05/30/21 20:00	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		05/30/21 20:00	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		05/30/21 20:00	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		05/30/21 20:00	460-00-4	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		05/30/21 20:00	2199-69-1	
Toluene-d8 (S)	93	%	70-130		1		05/30/21 20:00	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227616

Sample: MW-51B **Lab ID: 40227616004** Collected: 05/26/21 09:45 Received: 05/27/21 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	0.40J	ug/L	1.0	0.30	1		05/30/21 20:19	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		05/30/21 20:19	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		05/30/21 20:19	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		05/30/21 20:19	127-18-4	
Trichloroethene	3.0	ug/L	1.0	0.32	1		05/30/21 20:19	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		05/30/21 20:19	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		05/30/21 20:19	2199-69-1	
Toluene-d8 (S)	92	%	70-130		1		05/30/21 20:19	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227616

Sample: MW-52A **Lab ID: 40227616005** Collected: 05/26/21 09:55 Received: 05/27/21 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	0.31J	ug/L	1.0	0.30	1		05/30/21 17:32	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		05/30/21 17:32	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		05/30/21 17:32	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		05/30/21 17:32	127-18-4	
Trichloroethene	3.0	ug/L	1.0	0.32	1		05/30/21 17:32	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		05/30/21 17:32	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		05/30/21 17:32	2199-69-1	
Toluene-d8 (S)	94	%	70-130		1		05/30/21 17:32	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227616

Sample: MW-52B **Lab ID: 40227616006** Collected: 05/26/21 10:00 Received: 05/27/21 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	0.37J	ug/L	1.0	0.30	1		05/30/21 17:50	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		05/30/21 17:50	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		05/30/21 17:50	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		05/30/21 17:50	127-18-4	
Trichloroethene	3.0	ug/L	1.0	0.32	1		05/30/21 17:50	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		05/30/21 17:50	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		05/30/21 17:50	2199-69-1	
Toluene-d8 (S)	93	%	70-130		1		05/30/21 17:50	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227616

Sample: MW-53A **Lab ID: 40227616007** Collected: 05/26/21 10:15 Received: 05/27/21 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		05/30/21 20:37	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		05/30/21 20:37	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		05/30/21 20:37	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		05/30/21 20:37	127-18-4	
Trichloroethene	1.5	ug/L	1.0	0.32	1		05/30/21 20:37	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		05/30/21 20:37	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		05/30/21 20:37	2199-69-1	
Toluene-d8 (S)	92	%	70-130		1		05/30/21 20:37	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227616

Sample: MW-53B **Lab ID: 40227616008** Collected: 05/26/21 10:20 Received: 05/27/21 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	0.32J	ug/L	1.0	0.30	1		05/30/21 20:56	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		05/30/21 20:56	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		05/30/21 20:56	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		05/30/21 20:56	127-18-4	
Trichloroethene	2.5	ug/L	1.0	0.32	1		05/30/21 20:56	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		05/30/21 20:56	460-00-4	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		05/30/21 20:56	2199-69-1	
Toluene-d8 (S)	92	%	70-130		1		05/30/21 20:56	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227616

Sample: MW-54A **Lab ID: 40227616009** Collected: 05/26/21 10:35 Received: 05/27/21 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		05/30/21 21:15	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		05/30/21 21:15	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		05/30/21 21:15	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		05/30/21 21:15	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		05/30/21 21:15	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		05/30/21 21:15	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		05/30/21 21:15	2199-69-1	
Toluene-d8 (S)	94	%	70-130		1		05/30/21 21:15	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227616

Sample: MW-54B **Lab ID: 40227616010** Collected: 05/26/21 10:40 Received: 05/27/21 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		05/30/21 21:33	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		05/30/21 21:33	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		05/30/21 21:33	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		05/30/21 21:33	127-18-4	
Trichloroethene	3.0	ug/L	1.0	0.32	1		05/30/21 21:33	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		05/30/21 21:33	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		05/30/21 21:33	2199-69-1	
Toluene-d8 (S)	92	%	70-130		1		05/30/21 21:33	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227616

Sample: MW-54C **Lab ID: 40227616011** Collected: 05/26/21 10:45 Received: 05/27/21 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	0.35J	ug/L	1.0	0.30	1		05/30/21 21:52	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		05/30/21 21:52	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		05/30/21 21:52	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		05/30/21 21:52	127-18-4	
Trichloroethene	3.1	ug/L	1.0	0.32	1		05/30/21 21:52	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		05/30/21 21:52	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		05/30/21 21:52	2199-69-1	
Toluene-d8 (S)	92	%	70-130		1		05/30/21 21:52	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227616

Sample: MW-55B **Lab ID: 40227616012** Collected: 05/26/21 11:15 Received: 05/27/21 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		05/30/21 22:11	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		05/30/21 22:11	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		05/30/21 22:11	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		05/30/21 22:11	127-18-4	
Trichloroethene	1.7	ug/L	1.0	0.32	1		05/30/21 22:11	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		05/30/21 22:11	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		05/30/21 22:11	2199-69-1	
Toluene-d8 (S)	91	%	70-130		1		05/30/21 22:11	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227616

Sample: MW-55C **Lab ID: 40227616013** Collected: 05/26/21 11:20 Received: 05/27/21 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		05/30/21 18:09	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		05/30/21 18:09	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		05/30/21 18:09	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		05/30/21 18:09	127-18-4	
Trichloroethene	0.32J	ug/L	1.0	0.32	1		05/30/21 18:09	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		05/30/21 18:09	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		05/30/21 18:09	2199-69-1	
Toluene-d8 (S)	95	%	70-130		1		05/30/21 18:09	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227616

Sample: MW-52A DUP **Lab ID: 40227616014** Collected: 05/26/21 09:57 Received: 05/27/21 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		05/30/21 18:28	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		05/30/21 18:28	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		05/30/21 18:28	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		05/30/21 18:28	127-18-4	
Trichloroethene	3.0	ug/L	1.0	0.32	1		05/30/21 18:28	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		05/30/21 18:28	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		05/30/21 18:28	2199-69-1	
Toluene-d8 (S)	93	%	70-130		1		05/30/21 18:28	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227616

Sample: TRIP BLANK **Lab ID: 40227616015** Collected: 05/26/21 00:00 Received: 05/27/21 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		05/30/21 17:13	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		05/30/21 17:13	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		05/30/21 17:13	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		05/30/21 17:13	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		05/30/21 17:13	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		05/30/21 17:13	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		05/30/21 17:13	2199-69-1	
Toluene-d8 (S)	96	%	70-130		1		05/30/21 17:13	2037-26-5	

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QUALITY CONTROL DATA

Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40227616

QC Batch: 386610 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40227616001, 40227616002, 40227616003, 40227616004, 40227616005, 40227616006, 40227616007, 40227616008, 40227616009, 40227616010, 40227616011, 40227616012, 40227616013, 40227616014, 40227616015

METHOD BLANK: 2230805 Matrix: Water
Associated Lab Samples: 40227616001, 40227616002, 40227616003, 40227616004, 40227616005, 40227616006, 40227616007, 40227616008, 40227616009, 40227616010, 40227616011, 40227616012, 40227616013, 40227616014, 40227616015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.30	1.0	05/30/21 15:40	
1,1-Dichloroethane	ug/L	<0.30	1.0	05/30/21 15:40	
1,1-Dichloroethene	ug/L	<0.58	1.0	05/30/21 15:40	
Tetrachloroethene	ug/L	<0.41	1.0	05/30/21 15:40	
Trichloroethene	ug/L	<0.32	1.0	05/30/21 15:40	
1,2-Dichlorobenzene-d4 (S)	%	104	70-130	05/30/21 15:40	
4-Bromofluorobenzene (S)	%	99	70-130	05/30/21 15:40	
Toluene-d8 (S)	%	96	70-130	05/30/21 15:40	

LABORATORY CONTROL SAMPLE: 2230806

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	50.6	101	70-130	
1,1-Dichloroethane	ug/L	50	45.7	91	68-132	
1,1-Dichloroethene	ug/L	50	50.1	100	85-126	
Tetrachloroethene	ug/L	50	51.4	103	70-130	
Trichloroethene	ug/L	50	49.3	99	70-130	
1,2-Dichlorobenzene-d4 (S)	%			103	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2230807 2230808

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40227616005 Result	Spike Conc.	Spike Conc.	MS Result						
1,1,1-Trichloroethane	ug/L	0.31J	50	50	54.8	54.8	109	109	70-130	0	20
1,1-Dichloroethane	ug/L	<0.30	50	50	45.8	46.4	92	93	68-132	1	20
1,1-Dichloroethene	ug/L	<0.58	50	50	50.2	51.0	100	102	76-132	2	20
Tetrachloroethene	ug/L	<0.41	50	50	56.9	57.9	113	115	70-130	2	20
Trichloroethene	ug/L	3.0	50	50	52.3	52.9	98	100	70-130	1	20
1,2-Dichlorobenzene-d4 (S)	%						102	102	70-130		
4-Bromofluorobenzene (S)	%						95	95	70-130		
Toluene-d8 (S)	%						97	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 NATIONAL PRESTO IND.

Pace Project No.: 40227616

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 NATIONAL PRESTO IND.

Pace Project No.: 40227616

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40227616001	MW-49A	EPA 8260	386610		
40227616002	MW-49B	EPA 8260	386610		
40227616003	MW-51A	EPA 8260	386610		
40227616004	MW-51B	EPA 8260	386610		
40227616005	MW-52A	EPA 8260	386610		
40227616006	MW-52B	EPA 8260	386610		
40227616007	MW-53A	EPA 8260	386610		
40227616008	MW-53B	EPA 8260	386610		
40227616009	MW-54A	EPA 8260	386610		
40227616010	MW-54B	EPA 8260	386610		
40227616011	MW-54C	EPA 8260	386610		
40227616012	MW-55B	EPA 8260	386610		
40227616013	MW-55C	EPA 8260	386610		
40227616014	MW-52A DUP	EPA 8260	386610		
40227616015	TRIP BLANK	EPA 8260	386610		

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

UPPER MIDWEST REGION

MN: 612-607-1700 WI: 920-469-2436



COC No. 40227616

Company Name: Gannett Fleming, Inc.
 Branch/Location: Madison, WI
 Project Contact: Cliff Wright
 Phone: 608/327-5047
 Project Number: 34283.000
 Project Name: National Presto Industries (NPI)
 Project State: WI
 Sampled By (Print): Marcus Mussey
 Sampled By (Sign): *[Signature]*

CHAIN OF CUSTODY

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

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

Y/N	N	Y																	
Pick Letter	B	D																	
Analyses Requested																			
	NPI Short-list VOCs	Dissolved cadmium (Cd)																	

Quote #: Pace 2021
 Mail To Contact: Cliff Wright
 Mail To Company: Gannett Fleming
 Mail To Address: 8040 Excelsior Dr. Suite 303, Madison, WI 53717
 Invoice To Contact: Derrick Paul
 Invoice To Company: National Presto Industries
 Invoice To Address: 3925 N Hastings Way, Eau Claire, WI. And send copy of Level IV data pkg. to Mary Gannon for validation.
 Invoice To Phone: 715/839-2141
 CLIENT COMMENTS
 LAB COMMENTS (Lab Use Only)
 Profile #

Regulatory Program:
 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	N	Y												
		DATE	TIME																
001	MW-49A	5/26	11:00	GW		3													
002	49B		11:05																
003	51A		9:40																
004	51B		9:45																
005	52A		9:55			6													
006	52B		10:00			3													
007	53A		10:15																
008	53B		10:20																
009	54A		10:35																
010	54B		10:40																
011	54C		10:45																
012	55B		11:15																
013	55C		11:20																

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:	Relinquished By: <i>[Signature]</i> Date/Time: 5/26/13:00	Received By: <i>[Signature]</i> Date/Time:	PACE Project No. 40227616 Receipt Temp = 5 °C Sample Receipt pH OK / Adjusted Cooler Custody Seal Present / Not Present Intact / Not Intact
	Relinquished By: <i>Fedex</i> Date/Time: 5/27/14 0920	Received By: <i>[Signature]</i> Date/Time: 5/27/14 0920	
	Relinquished By:	Received By:	
	Relinquished By:	Received By:	
	Relinquished By:	Received By:	

(Please Print Clearly)

Company Name: Gannett Fleming, Inc.
 Branch/Location: Madison, WI
 Project Contact: Cliff Wright
 Phone: 608/327-5047
 Project Number: 34283.000
 Project Name: National Presto Industries (NPI)
 Project State: WI
 Sampled By (Print): Marcus Mussey
 Sampled By (Sign): *[Signature]*



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

COC No. 40227616

CHAIN OF CUSTODY

***Preservation Codes**
 A=None B=HCL C=H2SO4 D=HNO3 E=D1 Water F=Methanol
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

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

Y / N	N	Y								
Pick Letter	B	D								
Analyses Requested	NPI Short-list VOCs	Dissolved cadmium (Cd)								

Quote #: Pace 2021
Mail To Contact: Cliff Wright
Mail To Company: Gannett Fleming
Mail To Address: 8040 Excelsior Dr. Suite 303, Madison, WI 53717
Invoice To Contact: Derrick Paul
Invoice To Company: National Presto Industries
Invoice To Address: 3925 N Hastings Way, Eau Claire, WI. And send copy of Level IV data pkg. to Mary Gannon for validation.
Invoice To Phone: 715/839-2141

CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #

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

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX	Y / N	N	Y											
		DATE	TIME															
014	MW-52A Dup	5/26	9:57	GW														
015	Trip Blank																	

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge) Date Needed:	Relinquished By: <i>[Signature]</i> Date/Time: 5/26/13:00	Received By: <i>[Signature]</i> Date/Time:	PACE Project No. 40227616
Transmit Prelim Rush Results by (complete what you want):	Relinquished By: <i>Fedex</i> Date/Time: 5/27/14 0920	Received By: <i>[Signature]</i> Date/Time: 5/27/14 0920	
Email #1:	Relinquished By:	Received By:	Sample Receipt pH OK / Adjusted
Email #2:	Relinquished By:	Received By:	
Telephone:	Relinquished By:	Received By:	
Fax:	Relinquished By:	Received By:	
Samples on HOLD are subject to special pricing and release of liability	Relinquished By:	Received By:	

Client Name: Cannett Fleming

Sample Preservation Receipt Form

Project # 40227616

Pace Analytical Services, LLC
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

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																3																		2.5 / 5 / 10
002																3																		2.5 / 5 / 10
003																3																		2.5 / 5 / 10
004																3																		2.5 / 5 / 10
005																3																		2.5 / 5 / 10
006																3																		2.5 / 5 / 10
007																3																		2.5 / 5 / 10
008																3																		2.5 / 5 / 10
009																3																		2.5 / 5 / 10
010																3																		2.5 / 5 / 10
011																3																		2.5 / 5 / 10
012																3																		2.5 / 5 / 10
013																3																		2.5 / 5 / 10
014																3																		2.5 / 5 / 10
015																3																		2.5 / 5 / 10
016																2																		2.5 / 5 / 10
017																																		2.5 / 5 / 10
018																																		2.5 / 5 / 10
019																																		2.5 / 5 / 10
020																																		2.5 / 5 / 10

5/27/21
VP

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						



Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: 26Mar2020
Document No.: ENV-FRM-GBAY-0014-Rev.00	Author: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project #: **WO#: 40227616**

Client Name: Cannett Fleming

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

Tracking #: 7876 1676 3386

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-90 Type of Ice: Blue Dry None
Cooler Temperature Uncorr: 1 / Corr: .5

Samples on ice, cooling process has begun

Person examining contents:
Date: 5/27/21 / Initials: hjo
Labeled By Initials: dlw

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.
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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>W</u>		<u>013-11694 ID: "MW-553"</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>463</u>		<u>5/27/21</u>

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____ If checked, see attached form for additional comments

Comments/ Resolution: _____

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

June 10, 2021

Project #34283.000 NPI
Q2 Groundwater (3 of 3)
Reviewed by CCW
6/11/2021

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

RE: Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40227595

Dear Clifford Wright:

Enclosed are the analytical results for sample(s) received by the laboratory on May 27, 2021. 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



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40227595

Pace Analytical Services Ormond Beach

8 East Tower Circle, Ormond Beach, FL 32174
Alaska DEC- CS/UST/LUST
Alabama Certification #: 41320
Arizona Certification# AZ0819
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
Maryland Certification: #346
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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SAMPLE SUMMARY

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227595

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40227595001	CW-19	Water	05/26/21 08:32	05/27/21 09:20
40227595002	CW-22	Water	05/26/21 08:50	05/27/21 09:20
40227595003	CW-23	Water	05/26/21 08:45	05/27/21 09:20
40227595004	RAW	Water	05/26/21 08:15	05/27/21 09:20
40227595005	TOWER A	Water	05/26/21 08:17	05/27/21 09:20
40227595006	TOWER B	Water	05/26/21 08:20	05/27/21 09:20
40227595007	FINISHED PRODUCT	Water	05/26/21 08:07	05/27/21 09:20
40227595008	TRIP BLANK	Water	05/26/21 00:00	05/27/21 09:20

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SAMPLE ANALYTE COUNT

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227595

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40227595001	CW-19	EPA 524.2	JLR	8	PASI-O
40227595002	CW-22	EPA 524.2	JLR	8	PASI-O
40227595003	CW-23	EPA 524.2	JLR	8	PASI-O
40227595004	RAW	EPA 524.2	JLR	8	PASI-O
40227595005	TOWER A	EPA 524.2	JLR	8	PASI-O
40227595006	TOWER B	EPA 524.2	JLR	8	PASI-O
40227595007	FINISHED PRODUCT	EPA 524.2	JLR	8	PASI-O
40227595008	TRIP BLANK	EPA 524.2	JLR	8	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227595

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40227595001	CW-19					
EPA 524.2	Trichloroethene	0.68	ug/L	0.50	06/09/21 07:32	
40227595002	CW-22					
EPA 524.2	Trichloroethene	1.7	ug/L	0.50	06/09/21 09:12	
40227595004	RAW					
EPA 524.2	Trichloroethene	0.77	ug/L	0.50	06/09/21 06:19	

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227595

Method: EPA 524.2

Description: 524.2 MSV

Client: Gannett Fleming Inc.

Date: June 10, 2021

General Information:

8 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.

QC Batch: 735912

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40227595001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MSD (Lab ID: 4014505)
- Tetrachloroethene

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 NATIONAL PRESTO IND.

Pace Project No.: 40227595

Sample: CW-19 **Lab ID: 40227595001** Collected: 05/26/21 08:32 Received: 05/27/21 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV									
Analytical Method: EPA 524.2									
Pace Analytical Services - Ormond Beach									
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/09/21 07:32	75-34-3	
1,1-Dichloroethene	<0.29	ug/L	0.50	0.29	1		06/09/21 07:32	75-35-4	
Tetrachloroethene	<0.26	ug/L	0.50	0.26	1		06/09/21 07:32	127-18-4	M1
1,1,1-Trichloroethane	<0.27	ug/L	0.50	0.27	1		06/09/21 07:32	71-55-6	
Trichloroethene	0.68	ug/L	0.50	0.26	1		06/09/21 07:32	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	82	%	70-130		1		06/09/21 07:32	460-00-4	
Toluene-d8 (S)	100	%	70-130		1		06/09/21 07:32	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		06/09/21 07:32	2199-69-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227595

Sample: CW-22 **Lab ID: 40227595002** Collected: 05/26/21 08:50 Received: 05/27/21 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV									
Analytical Method: EPA 524.2									
Pace Analytical Services - Ormond Beach									
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/09/21 09:12	75-34-3	
1,1-Dichloroethene	<0.29	ug/L	0.50	0.29	1		06/09/21 09:12	75-35-4	
Tetrachloroethene	<0.26	ug/L	0.50	0.26	1		06/09/21 09:12	127-18-4	
1,1,1-Trichloroethane	<0.27	ug/L	0.50	0.27	1		06/09/21 09:12	71-55-6	
Trichloroethene	1.7	ug/L	0.50	0.26	1		06/09/21 09:12	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	84	%	70-130		1		06/09/21 09:12	460-00-4	
Toluene-d8 (S)	100	%	70-130		1		06/09/21 09:12	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		06/09/21 09:12	2199-69-1	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227595

Sample: CW-23 **Lab ID: 40227595003** Collected: 05/26/21 08:45 Received: 05/27/21 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV									
Analytical Method: EPA 524.2									
Pace Analytical Services - Ormond Beach									
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/09/21 08:45	75-34-3	
1,1-Dichloroethene	<0.29	ug/L	0.50	0.29	1		06/09/21 08:45	75-35-4	
Tetrachloroethene	<0.26	ug/L	0.50	0.26	1		06/09/21 08:45	127-18-4	
1,1,1-Trichloroethane	<0.27	ug/L	0.50	0.27	1		06/09/21 08:45	71-55-6	
Trichloroethene	<0.26	ug/L	0.50	0.26	1		06/09/21 08:45	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	84	%	70-130		1		06/09/21 08:45	460-00-4	
Toluene-d8 (S)	98	%	70-130		1		06/09/21 08:45	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		06/09/21 08:45	2199-69-1	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227595

Sample: RAW **Lab ID: 40227595004** Collected: 05/26/21 08:15 Received: 05/27/21 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV									
Analytical Method: EPA 524.2									
Pace Analytical Services - Ormond Beach									
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/09/21 06:19	75-34-3	
1,1-Dichloroethene	<0.29	ug/L	0.50	0.29	1		06/09/21 06:19	75-35-4	
Tetrachloroethene	<0.26	ug/L	0.50	0.26	1		06/09/21 06:19	127-18-4	
1,1,1-Trichloroethane	<0.27	ug/L	0.50	0.27	1		06/09/21 06:19	71-55-6	
Trichloroethene	0.77	ug/L	0.50	0.26	1		06/09/21 06:19	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	84	%	70-130		1		06/09/21 06:19	460-00-4	
Toluene-d8 (S)	100	%	70-130		1		06/09/21 06:19	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		06/09/21 06:19	2199-69-1	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227595

Sample: TOWER A **Lab ID: 40227595005** Collected: 05/26/21 08:17 Received: 05/27/21 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV									
Analytical Method: EPA 524.2									
Pace Analytical Services - Ormond Beach									
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/09/21 06:43	75-34-3	
1,1-Dichloroethene	<0.29	ug/L	0.50	0.29	1		06/09/21 06:43	75-35-4	
Tetrachloroethene	<0.26	ug/L	0.50	0.26	1		06/09/21 06:43	127-18-4	
1,1,1-Trichloroethane	<0.27	ug/L	0.50	0.27	1		06/09/21 06:43	71-55-6	
Trichloroethene	<0.26	ug/L	0.50	0.26	1		06/09/21 06:43	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	83	%	70-130		1		06/09/21 06:43	460-00-4	
Toluene-d8 (S)	100	%	70-130		1		06/09/21 06:43	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		06/09/21 06:43	2199-69-1	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227595

Sample: TOWER B **Lab ID: 40227595006** Collected: 05/26/21 08:20 Received: 05/27/21 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV									
Analytical Method: EPA 524.2									
Pace Analytical Services - Ormond Beach									
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/09/21 07:08	75-34-3	
1,1-Dichloroethene	<0.29	ug/L	0.50	0.29	1		06/09/21 07:08	75-35-4	
Tetrachloroethene	<0.26	ug/L	0.50	0.26	1		06/09/21 07:08	127-18-4	
1,1,1-Trichloroethane	<0.27	ug/L	0.50	0.27	1		06/09/21 07:08	71-55-6	
Trichloroethene	<0.26	ug/L	0.50	0.26	1		06/09/21 07:08	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	82	%	70-130		1		06/09/21 07:08	460-00-4	
Toluene-d8 (S)	100	%	70-130		1		06/09/21 07:08	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		06/09/21 07:08	2199-69-1	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227595

Sample: FINISHED PRODUCT **Lab ID: 40227595007** Collected: 05/26/21 08:07 Received: 05/27/21 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV									
Analytical Method: EPA 524.2									
Pace Analytical Services - Ormond Beach									
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/09/21 05:55	75-34-3	
1,1-Dichloroethene	<0.29	ug/L	0.50	0.29	1		06/09/21 05:55	75-35-4	
Tetrachloroethene	<0.26	ug/L	0.50	0.26	1		06/09/21 05:55	127-18-4	
1,1,1-Trichloroethane	<0.27	ug/L	0.50	0.27	1		06/09/21 05:55	71-55-6	
Trichloroethene	<0.26	ug/L	0.50	0.26	1		06/09/21 05:55	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	82	%	70-130		1		06/09/21 05:55	460-00-4	
Toluene-d8 (S)	100	%	70-130		1		06/09/21 05:55	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		06/09/21 05:55	2199-69-1	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227595

Sample: TRIP BLANK **Lab ID: 40227595008** Collected: 05/26/21 00:00 Received: 05/27/21 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV									
Analytical Method: EPA 524.2									
Pace Analytical Services - Ormond Beach									
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/09/21 05:31	75-34-3	
1,1-Dichloroethene	<0.29	ug/L	0.50	0.29	1		06/09/21 05:31	75-35-4	
Tetrachloroethene	<0.26	ug/L	0.50	0.26	1		06/09/21 05:31	127-18-4	
1,1,1-Trichloroethane	<0.27	ug/L	0.50	0.27	1		06/09/21 05:31	71-55-6	
Trichloroethene	<0.26	ug/L	0.50	0.26	1		06/09/21 05:31	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	82	%	70-130		1		06/09/21 05:31	460-00-4	
Toluene-d8 (S)	100	%	70-130		1		06/09/21 05:31	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		06/09/21 05:31	2199-69-1	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40227595

QC Batch:	735912	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: 40227595001, 40227595002, 40227595003, 40227595004, 40227595005, 40227595006, 40227595007, 40227595008

METHOD BLANK: 4014492 Matrix: Water
Associated Lab Samples: 40227595001, 40227595002, 40227595003, 40227595004, 40227595005, 40227595006, 40227595007, 40227595008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.27	0.50	06/09/21 02:16	
1,1-Dichloroethane	ug/L	<0.27	1.0	06/09/21 02:16	
1,1-Dichloroethene	ug/L	<0.29	0.50	06/09/21 02:16	
Tetrachloroethene	ug/L	<0.26	0.50	06/09/21 02:16	
Trichloroethene	ug/L	<0.26	0.50	06/09/21 02:16	
1,2-Dichlorobenzene-d4 (S)	%	102	70-130	06/09/21 02:16	
4-Bromofluorobenzene (S)	%	87	70-130	06/09/21 02:16	
Toluene-d8 (S)	%	98	70-130	06/09/21 02:16	

LABORATORY CONTROL SAMPLE: 4014493

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	40	38.8	97	70-130	
1,1-Dichloroethane	ug/L	40	39.9	100	70-130	
1,1-Dichloroethene	ug/L	40	43.2	108	70-130	
Tetrachloroethene	ug/L	40	37.1	93	70-130	
Trichloroethene	ug/L	40	38.7	97	70-130	
1,2-Dichlorobenzene-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			97	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4014504 4014505

Parameter	Units	4014504		4014505		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.						
1,1,1-Trichloroethane	ug/L	<0.27	40	40	34.1	31.2	85	78	70-130	9	20
1,1-Dichloroethane	ug/L	<0.27	40	40	35.7	32.1	89	80	70-130	11	20
1,1-Dichloroethene	ug/L	<0.29	40	40	42.6	38.5	106	96	70-130	10	20
Tetrachloroethene	ug/L	<0.26	40	40	28.3	26.5	71	66	70-130	6	20 M1
Trichloroethene	ug/L	0.68	40	40	32.9	29.7	81	73	70-130	10	20
1,2-Dichlorobenzene-d4 (S)	%						99	99	70-130		
4-Bromofluorobenzene (S)	%						92	91	70-130		
Toluene-d8 (S)	%						98	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.

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QUALIFIERS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227595

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

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40227595

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40227595001	CW-19	EPA 524.2	735912		
40227595002	CW-22	EPA 524.2	735912		
40227595003	CW-23	EPA 524.2	735912		
40227595004	RAW	EPA 524.2	735912		
40227595005	TOWER A	EPA 524.2	735912		
40227595006	TOWER B	EPA 524.2	735912		
40227595007	FINISHED PRODUCT	EPA 524.2	735912		
40227595008	TRIP BLANK	EPA 524.2	735912		

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(Please Print Clearly)

UPPER MIDWEST REGION

Page 1 of 1

MN: 612-607-1700 WI: 920-469-2436

COC No. 40227595

Company Name: Gannett Fleming, Inc.
 Branch/Location: Madison, WI
 Project Contact: Cliff Wright
 Phone: 608/327-5047
 Project Number: 34283.000
 Project Name: National Presto Industries (NPI)
 Project State: WI
 Sampled By (Print): Marcus Mussey
 Sampled By (Sign): *[Signature]*
 PO #:
 Regulatory Program:



CHAIN OF CUSTODY

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

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

Y / N	N																	
Pick Letter	B																	
Analyses Requested	NPI Short-list VOCs:524-2																	

Quote #: Pace 2021
 Mail To Contact: Cliff Wright
 Mail To Company: Gannett Fleming
 Mail To Address: 8040 Excelsior Dr., Suite 303 Madison, WI 53717
 Invoice To Contact: Derrick Paul
 Invoice To Company: National Presto Industries
 Invoice To Address: 3925 N Hastings Way, Eau Claire, WI. And send copy of Level IV data pkg. to Mary Gannon for validation.
 Invoice To Phone: 715/839-2141
 CLIENT COMMENTS
 LAB COMMENTS (Lab Use Only)
 Profile #

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	Analyses Requested
		DATE	TIME				
	CW-15			DW			
001	CW-19	5/26	8:32	"			
002	CW-22		8:50	"			
003	CW-23		8:45	"			
004	Raw		8:15	"			
005	Tower A		8:17	"			
006	Tower B		8:20	"			
007	Finished product		8:07	"			
008	Trip blank			W			

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge) Date Needed:
 Relinquished By: *[Signature]* Date/Time: 5/26/13:00 Received By: FedEx Date/Time:
 Transmit Prelim Rush Results by (complete what you want):
 Relinquished By: FedEx Date/Time: 5/27/11 0920 Received By: *[Signature]* Date/Time: 5/27/11 0920
 PACE Project No. 40227595
 Receipt Temp = .5 °C
 Sample Receipt pH OK / Adjusted
 Cooler Custody Seal Present / Not Present Intact / Not Intact
 Email #1:
 Email #2:
 Telephone:
 Fax:
 Samples on HOLD are subject to special pricing and release of liability
 Relinquished By: Date/Time: Received By: Date/Time:

Sample Preservation Receipt Form

Pace Analytical Services, LLC
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Client Name: Gannett Fleming

Project # 40227595

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

Initial when completed:

Date/Time:

Lab Lot# of pH paper:

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																5																	2.5 / 5 / 10
002																6																	2.5 / 5 / 10
003																3																	2.5 / 5 / 10
004																3																	2.5 / 5 / 10
005																3																	2.5 / 5 / 10
006																3																	2.5 / 5 / 10
007																3																	2.5 / 5 / 10
008																2																	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
BG1U	1 liter clear glass
AG1H	1 liter amber glass HCL
AG4S	125 mL amber glass H2SO4
AG4U	120 mL amber glass unpres
AG5U	100 mL amber glass unpres
AG2S	500 mL amber glass H2SO4
BG3U	250 mL clear glass unpres

BP1U	1 liter plastic unpres
BP3U	250 mL plastic unpres
BP3B	250 mL plastic NaOH
BP3N	250 mL plastic HNO3
BP3S	250 mL plastic H2SO4

VG9A	40 mL clear ascorbic
DG9T	40 mL amber Na Thio
VG9U	40 mL clear vial unpres
VG9H	40 mL clear vial HCL
VG9M	40 mL clear vial MeOH
VG9D	40 mL clear vial DI

JGFU	4 oz amber jar unpres
JG9U	9 oz amber jar unpres
WGFU	4 oz clear jar unpres
WPFU	4 oz plastic jar unpres
SP5T	120 mL plastic Na Thiosulfate
ZPLC	ziploc bag
GN	

5/27/21

 1241 Bellevue Street, Green Bay, WI 54302	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: 26Mar2020
	Document No.: ENV-FRM-GBAY-0014-Rev.00	Author: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project #:

Client Name: Cannett Fleming

WO#: **40227595**

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



Tracking #: 7876 1676 3386

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

Cooler Temperature Uncorr: 1 /Corr: .5

Temp Blank Present: yes no

Biological Tissue is Frozen: yes no

Person examining contents:	
Date: <u>5/2/21</u>	/Initials: <u>SKW</u>
Labeled By Initials: <u>SKW</u>	

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 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.
-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>463</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

September 15, 2021

Project #34283.000 NPI
Q3 Groundwater
Reviewed by CCW
9/16/2021

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

RE: Project: 34283.000 NATIONAL PRESTO INDU
Pace Project No.: 40232561

Dear Clifford Wright:

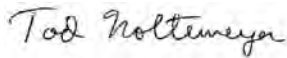
Enclosed are the analytical results for sample(s) received by the laboratory on September 01, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise 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



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 34283.000 NATIONAL PRESTO INDU

Pace Project No.: 40232561

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

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 34283.000 NATIONAL PRESTO INDU

Pace Project No.: 40232561

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40232561001	EC-1	Water	08/31/21 14:50	09/01/21 10:50
40232561002	EC-1 DUP	Water	08/31/21 14:51	09/01/21 10:50
40232561003	EW-6	Water	08/31/21 12:10	09/01/21 10:50
40232561004	EW-6 DUP	Water	08/31/21 12:11	09/01/21 10:50
40232561005	MH-18	Water	08/31/21 11:40	09/01/21 10:50
40232561006	MW-10A	Water	08/31/21 10:40	09/01/21 10:50
40232561007	MW-10B	Water	08/31/21 10:45	09/01/21 10:50
40232561008	MW-34A	Water	08/31/21 11:15	09/01/21 10:50
40232561009	MW-68B	Water	08/31/21 11:50	09/01/21 10:50
40232561010	MW-70A	Water	08/31/21 11:00	09/01/21 10:50
40232561011	MW-70B	Water	08/31/21 11:05	09/01/21 10:50
40232561012	MW-75	Water	08/31/21 11:30	09/01/21 10:50
40232561013	MW-76A	Water	08/31/21 12:20	09/01/21 10:50
40232561014	RW-16C	Water	08/31/21 13:50	09/01/21 10:50
40232561015	TRIP BLANK	Water	08/31/21 00:00	09/01/21 10:50
40232561016	MW-34B	Water	08/31/21 11:20	09/01/21 10:50
40232561017	EC-6	Water	08/31/21 14:40	09/01/21 10:50

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SAMPLE ANALYTE COUNT

Project: 34283.000 NATIONAL PRESTO INDU
Pace Project No.: 40232561

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40232561001	EC-1	EPA 8260	JAV	8	PASI-G
40232561002	EC-1 DUP	EPA 8260	JAV	8	PASI-G
40232561003	EW-6	EPA 8260	JAV	8	PASI-G
40232561004	EW-6 DUP	EPA 8260	JAV	8	PASI-G
40232561005	MH-18	EPA 6010D	TXW	1	PASI-G
		EPA 8260	JAV	8	PASI-G
40232561006	MW-10A	EPA 6010D	TXW	1	PASI-G
40232561007	MW-10B	EPA 6010D	TXW	1	PASI-G
40232561008	MW-34A	EPA 6010D	TXW	1	PASI-G
40232561009	MW-68B	EPA 6010D	TXW	1	PASI-G
40232561010	MW-70A	EPA 8260	JAV	8	PASI-G
40232561011	MW-70B	EPA 6010D	TXW	1	PASI-G
40232561012	MW-75	EPA 6010D	TXW	1	PASI-G
40232561013	MW-76A	EPA 8260	JAV	8	PASI-G
40232561014	RW-16C	EPA 8260	JAV	8	PASI-G
40232561015	TRIP BLANK	EPA 8260	JAV	8	PASI-G
40232561016	MW-34B	EPA 6010D	TXW	1	PASI-G
40232561017	EC-6	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 NATIONAL PRESTO INDU

Pace Project No.: 40232561

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40232561001	EC-1					
EPA 8260	Trichloroethene	0.95J	ug/L	1.0	09/02/21 12:13	
40232561002	EC-1 DUP					
EPA 8260	Trichloroethene	1.5	ug/L	1.0	09/02/21 14:29	
40232561003	EW-6					
EPA 8260	1,1,1-Trichloroethane	0.84J	ug/L	1.0	09/02/21 14:48	
EPA 8260	Trichloroethene	0.95J	ug/L	1.0	09/02/21 14:48	
40232561004	EW-6 DUP					
EPA 8260	1,1,1-Trichloroethane	0.87J	ug/L	1.0	09/02/21 15:08	
EPA 8260	Trichloroethene	1.0	ug/L	1.0	09/02/21 15:08	
40232561005	MH-18					
EPA 8260	1,1,1-Trichloroethane	0.55J	ug/L	1.0	09/02/21 15:27	
EPA 8260	Trichloroethene	0.73J	ug/L	1.0	09/02/21 15:27	
40232561006	MW-10A					
EPA 6010D	Cadmium, Dissolved	16.2	ug/L	5.0	09/14/21 13:49	
40232561008	MW-34A					
EPA 6010D	Cadmium, Dissolved	6.4	ug/L	5.0	09/14/21 13:56	
40232561009	MW-68B					
EPA 6010D	Cadmium, Dissolved	3.3J	ug/L	5.0	09/14/21 14:04	
40232561010	MW-70A					
EPA 8260	Trichloroethene	0.51J	ug/L	1.0	09/02/21 12:32	
40232561011	MW-70B					
EPA 6010D	Cadmium, Dissolved	9.7	ug/L	5.0	09/14/21 14:06	
40232561012	MW-75					
EPA 6010D	Cadmium, Dissolved	2.4J	ug/L	5.0	09/14/21 14:08	
40232561014	RW-16C					
EPA 8260	Trichloroethene	2.6	ug/L	1.0	09/02/21 15:46	
40232561016	MW-34B					
EPA 6010D	Cadmium, Dissolved	2.1J	ug/L	5.0	09/14/21 14:11	

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 34283.000 NATIONAL PRESTO INDU

Pace Project No.: 40232561

Method: EPA 6010D

Description: 6010D MET ICP

Client: Gannett Fleming Inc.

Date: September 15, 2021

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 NATIONAL PRESTO INDU

Pace Project No.: 40232561

Method: EPA 6010D

Description: 6010D MET ICP, Dissolved

Client: Gannett Fleming Inc.

Date: September 15, 2021

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 NATIONAL PRESTO INDU

Pace Project No.: 40232561

Method: EPA 8260

Description: 8260 MSV

Client: Gannett Fleming Inc.

Date: September 15, 2021

General Information:

10 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 NATIONAL PRESTO INDU

Pace Project No.: 40232561

Sample: EC-1 **Lab ID: 40232561001** Collected: 08/31/21 14:50 Received: 09/01/21 10:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		09/02/21 12:13	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		09/02/21 12:13	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		09/02/21 12:13	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		09/02/21 12:13	127-18-4	
Trichloroethene	0.95J	ug/L	1.0	0.32	1		09/02/21 12:13	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		09/02/21 12:13	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		09/02/21 12:13	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		09/02/21 12:13	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO INDU

Pace Project No.: 40232561

Sample: EC-1 DUP **Lab ID: 40232561002** Collected: 08/31/21 14:51 Received: 09/01/21 10:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		09/02/21 14:29	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		09/02/21 14:29	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		09/02/21 14:29	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		09/02/21 14:29	127-18-4	
Trichloroethene	1.5	ug/L	1.0	0.32	1		09/02/21 14:29	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		09/02/21 14:29	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		09/02/21 14:29	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		09/02/21 14:29	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO INDU

Pace Project No.: 40232561

Sample: EW-6 **Lab ID: 40232561003** Collected: 08/31/21 12:10 Received: 09/01/21 10:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	0.84J	ug/L	1.0	0.30	1		09/02/21 14:48	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		09/02/21 14:48	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		09/02/21 14:48	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		09/02/21 14:48	127-18-4	
Trichloroethene	0.95J	ug/L	1.0	0.32	1		09/02/21 14:48	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		09/02/21 14:48	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		09/02/21 14:48	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		09/02/21 14:48	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO INDU

Pace Project No.: 40232561

Sample: EW-6 DUP **Lab ID: 40232561004** Collected: 08/31/21 12:11 Received: 09/01/21 10:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	0.87J	ug/L	1.0	0.30	1		09/02/21 15:08	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		09/02/21 15:08	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		09/02/21 15:08	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		09/02/21 15:08	127-18-4	
Trichloroethene	1.0	ug/L	1.0	0.32	1		09/02/21 15:08	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		09/02/21 15:08	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		09/02/21 15:08	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		09/02/21 15:08	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO INDU

Pace Project No.: 40232561

Sample: MH-18 **Lab ID: 40232561005** Collected: 08/31/21 11:40 Received: 09/01/21 10:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Cadmium	<1.3	ug/L	5.0	1.3	1	09/07/21 06:25	09/07/21 21:07	7440-43-9	
8260 MSV									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	0.55J	ug/L	1.0	0.30	1		09/02/21 15:27	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		09/02/21 15:27	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		09/02/21 15:27	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		09/02/21 15:27	127-18-4	
Trichloroethene	0.73J	ug/L	1.0	0.32	1		09/02/21 15:27	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		09/02/21 15:27	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		09/02/21 15:27	2199-69-1	
Toluene-d8 (S)	99	%	70-130		1		09/02/21 15:27	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO INDU

Pace Project No.: 40232561

Sample: MW-10A **Lab ID: 40232561006** Collected: 08/31/21 10:40 Received: 09/01/21 10:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D Pace Analytical Services - Green Bay									
Cadmium, Dissolved	16.2	ug/L	5.0	1.3	1		09/14/21 13:49	7440-43-9	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO INDU

Pace Project No.: 40232561

Sample: MW-10B **Lab ID: 40232561007** Collected: 08/31/21 10:45 Received: 09/01/21 10:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D Pace Analytical Services - Green Bay									
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1		09/14/21 13:54	7440-43-9	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO INDU

Pace Project No.: 40232561

Sample: MW-34A **Lab ID: 40232561008** Collected: 08/31/21 11:15 Received: 09/01/21 10:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Pace Analytical Services - Green Bay								
Cadmium, Dissolved	6.4	ug/L	5.0	1.3	1		09/14/21 13:56	7440-43-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO INDU

Pace Project No.: 40232561

Sample: MW-68B **Lab ID: 40232561009** Collected: 08/31/21 11:50 Received: 09/01/21 10:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D Pace Analytical Services - Green Bay									
Cadmium, Dissolved	3.3J	ug/L	5.0	1.3	1		09/14/21 14:04	7440-43-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO INDU

Pace Project No.: 40232561

Sample: MW-70A **Lab ID: 40232561010** Collected: 08/31/21 11:00 Received: 09/01/21 10:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		09/02/21 12:32	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		09/02/21 12:32	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		09/02/21 12:32	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		09/02/21 12:32	127-18-4	
Trichloroethene	0.51J	ug/L	1.0	0.32	1		09/02/21 12:32	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		09/02/21 12:32	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		09/02/21 12:32	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		09/02/21 12:32	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO INDU

Pace Project No.: 40232561

Sample: MW-70B **Lab ID: 40232561011** Collected: 08/31/21 11:05 Received: 09/01/21 10:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Pace Analytical Services - Green Bay								
Cadmium, Dissolved	9.7	ug/L	5.0	1.3	1		09/14/21 14:06	7440-43-9	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO INDU

Pace Project No.: 40232561

Sample: MW-75 **Lab ID: 40232561012** Collected: 08/31/21 11:30 Received: 09/01/21 10:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D Pace Analytical Services - Green Bay									
Cadmium, Dissolved	2.4J	ug/L	5.0	1.3	1		09/14/21 14:08	7440-43-9	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO INDU

Pace Project No.: 40232561

Sample: MW-76A **Lab ID: 40232561013** Collected: 08/31/21 12:20 Received: 09/01/21 10:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		09/02/21 12:52	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		09/02/21 12:52	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		09/02/21 12:52	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		09/02/21 12:52	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		09/02/21 12:52	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		09/02/21 12:52	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		09/02/21 12:52	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		09/02/21 12:52	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO INDU

Pace Project No.: 40232561

Sample: RW-16C **Lab ID: 40232561014** Collected: 08/31/21 13:50 Received: 09/01/21 10:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		09/02/21 15:46	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		09/02/21 15:46	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		09/02/21 15:46	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		09/02/21 15:46	127-18-4	
Trichloroethene	2.6	ug/L	1.0	0.32	1		09/02/21 15:46	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		09/02/21 15:46	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		09/02/21 15:46	2199-69-1	
Toluene-d8 (S)	99	%	70-130		1		09/02/21 15:46	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO INDU

Pace Project No.: 40232561

Sample: TRIP BLANK **Lab ID: 40232561015** Collected: 08/31/21 00:00 Received: 09/01/21 10:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		09/02/21 11:54	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		09/02/21 11:54	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		09/02/21 11:54	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		09/02/21 11:54	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		09/02/21 11:54	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		09/02/21 11:54	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		09/02/21 11:54	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		09/02/21 11:54	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO INDU

Pace Project No.: 40232561

Sample: MW-34B **Lab ID: 40232561016** Collected: 08/31/21 11:20 Received: 09/01/21 10:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Pace Analytical Services - Green Bay								
Cadmium, Dissolved	2.1J	ug/L	5.0	1.3	1		09/14/21 14:11	7440-43-9	

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ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO INDU

Pace Project No.: 40232561

Sample: EC-6 **Lab ID: 40232561017** Collected: 08/31/21 14:40 Received: 09/01/21 10:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		09/02/21 16:06	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		09/02/21 16:06	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		09/02/21 16:06	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		09/02/21 16:06	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		09/02/21 16:06	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		09/02/21 16:06	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		09/02/21 16:06	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		09/02/21 16:06	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 34283.000 NATIONAL PRESTO INDU
Pace Project No.: 40232561

QC Batch: 395545 Analysis Method: EPA 6010D
QC Batch Method: EPA 6010D Analysis Description: ICP Metals, Trace, Dissolved
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40232561006, 40232561007, 40232561008, 40232561009, 40232561011, 40232561012, 40232561016

METHOD BLANK: 2282177 Matrix: Water
Associated Lab Samples: 40232561006, 40232561007, 40232561008, 40232561009, 40232561011, 40232561012, 40232561016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cadmium, Dissolved	ug/L	<1.3	5.0	09/14/21 13:35	

LABORATORY CONTROL SAMPLE: 2282178

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cadmium, Dissolved	ug/L	250	253	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2282180 2282181

Parameter	Units	2282180		2282181		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40232862001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Cadmium, Dissolved	ug/L	<1.3	250	250	255	256	102	102	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.

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QUALITY CONTROL DATA

Project: 34283.000 NATIONAL PRESTO INDU

Pace Project No.: 40232561

QC Batch: 394934

Analysis Method: EPA 6010D

QC Batch Method: EPA 3010A

Analysis Description: 6010D MET

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40232561005

METHOD BLANK: 2278972

Matrix: Water

Associated Lab Samples: 40232561005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cadmium	ug/L	<1.3	5.0	09/08/21 16:18	

LABORATORY CONTROL SAMPLE: 2278973

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cadmium	ug/L	250	264	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2278974 2278975

Parameter	Units	2278974		2278975		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40232266001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Cadmium	ug/L	<1.3	250	250	266	269	107	108	75-125	1	20

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QUALITY CONTROL DATA

Project: 34283.000 NATIONAL PRESTO INDU

Pace Project No.: 40232561

QC Batch:	394761	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40232561001, 40232561002, 40232561003, 40232561004, 40232561005, 40232561010, 40232561013, 40232561014, 40232561015, 40232561017

METHOD BLANK: 2277454 Matrix: Water
Associated Lab Samples: 40232561001, 40232561002, 40232561003, 40232561004, 40232561005, 40232561010, 40232561013, 40232561014, 40232561015, 40232561017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.30	1.0	09/02/21 09:38	
1,1-Dichloroethane	ug/L	<0.30	1.0	09/02/21 09:38	
1,1-Dichloroethene	ug/L	<0.58	1.0	09/02/21 09:38	
Tetrachloroethene	ug/L	<0.41	1.0	09/02/21 09:38	
Trichloroethene	ug/L	<0.32	1.0	09/02/21 09:38	
1,2-Dichlorobenzene-d4 (S)	%	100	70-130	09/02/21 09:38	
4-Bromofluorobenzene (S)	%	98	70-130	09/02/21 09:38	
Toluene-d8 (S)	%	101	70-130	09/02/21 09:38	

LABORATORY CONTROL SAMPLE: 2277455

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	53.6	107	70-130	
1,1-Dichloroethane	ug/L	50	54.0	108	68-132	
1,1-Dichloroethene	ug/L	50	53.8	108	85-126	
Tetrachloroethene	ug/L	50	52.2	104	70-130	
Trichloroethene	ug/L	50	52.7	105	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: 2277456 2277457

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40232561003 Result	Spike Conc.	Spike Conc.	Result						
1,1,1-Trichloroethane	ug/L	0.84J	50	50	53.2	55.0	105	108	70-130	3	20
1,1-Dichloroethane	ug/L	<0.30	50	50	53.5	55.2	107	110	68-132	3	20
1,1-Dichloroethene	ug/L	<0.58	50	50	54.0	54.4	108	109	76-132	1	20
Tetrachloroethene	ug/L	<0.41	50	50	51.5	51.7	103	103	70-130	0	20
Trichloroethene	ug/L	0.95J	50	50	53.3	54.7	105	107	70-130	2	20
1,2-Dichlorobenzene-d4 (S)	%						98	98	70-130		
4-Bromofluorobenzene (S)	%						102	101	70-130		
Toluene-d8 (S)	%						100	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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QUALIFIERS

Project: 34283.000 NATIONAL PRESTO INDU

Pace Project No.: 40232561

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 NATIONAL PRESTO INDU
Pace Project No.: 40232561

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40232561005	MH-18	EPA 3010A	394934	EPA 6010D	395031
40232561006	MW-10A	EPA 6010D	395545		
40232561007	MW-10B	EPA 6010D	395545		
40232561008	MW-34A	EPA 6010D	395545		
40232561009	MW-68B	EPA 6010D	395545		
40232561011	MW-70B	EPA 6010D	395545		
40232561012	MW-75	EPA 6010D	395545		
40232561016	MW-34B	EPA 6010D	395545		
40232561001	EC-1	EPA 8260	394761		
40232561002	EC-1 DUP	EPA 8260	394761		
40232561003	EW-6	EPA 8260	394761		
40232561004	EW-6 DUP	EPA 8260	394761		
40232561005	MH-18	EPA 8260	394761		
40232561010	MW-70A	EPA 8260	394761		
40232561013	MW-76A	EPA 8260	394761		
40232561014	RW-16C	EPA 8260	394761		
40232561015	TRIP BLANK	EPA 8260	394761		
40232561017	EC-6	EPA 8260	394761		

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: Gannett Fleming, Inc.
 Branch/Location: Madison, WI
 Project Contact: Cliff Wright
 Phone: 608/327-5047
 Project Number: 34283.000
 Project Name: National Presto Industries (NPI)
 Project State: WI
 Sampled By (Print): Marcus Mussey
 Sampled By (Sign): *[Signature]*



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

COC No. *40232501*

CHAIN OF CUSTODY

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

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

Y/N	N	Y	Y															
Pick Letter	B	D	D															
Analyses Requested	NPI Short-list VOCs	Dissolved cadmium (Cd)	Total Recoverable Cd															

Quote #: Pace 2021
 Mail To Contact: Cliff Wright
 Mail To Company: Gannett Fleming
 Mail To Address: 8040 Excelsior Dr. Suite 303, Madison, WI 53717
 Invoice To Contact: Derrick Paul
 Invoice To Company: National Presto Industries
 Invoice To Address: 3925 N Hastings Way, Eau Claire, WI. And send copy of Level IV data pkg. to Mary Gannon for validation.
 Invoice To Phone: 715/839-2141

CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #

PO #: _____ Regulatory Program: _____

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		MATRX	Y/N	N	Y	Y											
		DATE	TIME																
001	EC-1	8/31	14:50	GW	X														
002	EC-1 Dup		14:51		X														
003	EW-6		12:10		X														
004	EW-6 Dup		12:11		X														
005	MH-18		11:40		X			X											
006	MW-10A		10:40					X											
007	MW-10B		10:45					X											
008	MW-34A		11:15					X											
009	MW-68B	11:50	11:50					X											
010	MW-70A	11:00	11:50		X														
011	MW-70B	11:05	11:50					X											
012	MW-75	11:50	11:50					X											
013	MW-76A	✓	12:20	✓	X														

MS/MSD

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: 8/31, 15:45
 Relinquished By: *Fedex* Date/Time: 9/1/21 1050
 Relinquished By: _____ Date/Time: _____
 Relinquished By: _____ Date/Time: _____
 Relinquished By: _____ Date/Time: _____

Received By: *FedEx* Date/Time: _____
 Received By: *Anthony L...* Date/Time: 9/1/21 1050
 Received By: _____ Date/Time: _____
 Received By: _____ Date/Time: _____
 Received By: _____ Date/Time: _____

PACE Project No. *40232501*
 Receipt Temp = 4 °C
 Sample Receipt pH *OK* / Adjusted
 Cooler Custody Seal Present / Not Present
 Intact / Not Intact

(Please Print Clearly)

Company Name: Gannett Fleming, Inc.
 Branch/Location: Madison, WI
 Project Contact: Cliff Wright
 Phone: 608/327-5047
 Project Number: 34283.000
 Project Name: National Presto Industries (NPI)
 Project State: WI
 Sampled By (Print): Marcus Mussey
 Sampled By (Sign): *[Signature]*

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



COC No. **40232561**

CHAIN OF CUSTODY

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

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

Y/N	N	Y	Y															
Pick Letter	B	D	D															
Analyses Requested	NPI Short-list VOCs	Dissolved cadmium (Cd)	Total Recoverable Cd															

Quote #: Pace 2021
 Mail To Contact: Cliff Wright
 Mail To Company: Gannett Fleming
 Mail To Address: 8040 Excelsior Dr. Suite 303, Madison, WI 53717
 Invoice To Contact: Derrick Paul
 Invoice To Company: National Presto Industries
 Invoice To Address: 3925 N Hastings Way, Eau Claire, WI. And send copy of Level IV data pkg. to Mary Gannon for validation.
 Invoice To Phone: 715/839-2141

CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #

PO #: _____ Regulatory Program: _____

Data Package Options (billable)	MS/MSD	Matrix Codes
<input type="checkbox"/> EPA Level III	<input checked="" type="checkbox"/> On your sample (billable)	A = Air W = Water B = Biota DW = Drinking Water C = Charcoal GW = Ground Water O = Oil SW = Surface Water S = Soil WW = Waste Water Sl = Sludge WP = Wipe
<input checked="" type="checkbox"/> EPA Level IV	<input type="checkbox"/> NOT needed on your sample	

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRX	Y/N	N	Y	Y											
		DATE	TIME																
014	RW-16C	8/31	13:50	6W				X											
015	Trip Blank							X											
016	MW-34B	8/31	11:20	6W					X										
017	EC-6 ①	8/31	14:40																

① received in shipment lab added to CoC per PM 9/12/12

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: <i>[Signature]</i>	Date/Time: 8/31, 15:45
Relinquished By: <i>[Signature]</i>	Date/Time: 9/12/1050
Relinquished By:	Date/Time:
Relinquished By:	Date/Time:

Received By: <i>[Signature]</i>	Date/Time: _____
Received By: <i>[Signature]</i>	Date/Time: 9/12/1050
Received By:	Date/Time:
Received By:	Date/Time:

PACE Project No. **40232561**

Receipt Temp = 4 °C

Sample Receipt pH **(OK) Adjusted**

Cooler Custody Seal Present **(OK) Present** Intact / Not Intact

Addresses

Order By :

Ship To :

Return To:

Company Gannett Fleming Inc.
 Contact Mussey, Marcus
 Email mmussey@gfnet.com
 Address 8040 Excelsior Drive, Ste 303
 Address 2 _____
 City Madison
 State WI Zip 53717
 Phone 608-836-1500

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

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 NPI Due Date 08/27/2021 Profile 3527 Quote _____
 Project Manager Milewsky, Dan Return Date _____ Carrier FedEx Ground 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 Liter(s)
 USDA Regulated Soils

COC Options

Number of Blanks 2
 Pre-Printed _____

# of Samples	Matrix	Test	Container	Total	# of	Lot #	Notes
8	WT	Metals	250mL plastic w/HNO3	8	0	M-1-106-03BB	tot or diss Cd
9	WT	VOC WI List	3-40ml clear vial HCl-hydrochloric acid	27	0	B-1-194-01VB	
1	WT	Trip BLANK	2-40mL HCL w/custody seal	2	0	B-1-069-01VB	

Hazard Shipping Placard In Place : NA

'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.

LAB USE:

Ship Date : 08/25/2021
 Prepared By: Mai Yer Her
 Verified By: _____

Sample

CLIENT USE (Optional):

Date Rec'd: _____
 Received By: _____
 Verified By: _____

Sample Preservation Receipt Form

Client Name: Gannett Fleming

Project # 40232561

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


Lab Lot# of pH paper: 1003604 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	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																							
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016																																			2.5 / 5 / 10																							
017																																			2.5 / 5 / 10																							
018	AW/2 AW																																																									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						

 1241 Bellevue Street, Green Bay, WI 54302	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: 26Mar2020
	Document No.: ENV-FRM-GBAY-0014-Rev.00	Author: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project #:

Client Name: Gannett Fleming

WO#: **40232561**

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



Tracking #: 2831 8232 4375

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-107 Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 4 /Corr: 4

Temp Blank Present: yes no

Biological Tissue is Frozen: yes no

Person examining contents:
 Date: 9/1/21 /Initials: AW
 Labeled By Initials: SKW

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. <u>no year 9/1/21 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.
- 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. <u>9/1/21 AW</u>
Sufficient Volume:		8. <u>017 added to lab CoC by lab per PM 9/1/21</u>
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 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>467</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 14, 2021

Project #34283.000 NPI
Q4 Groundwater (1 of 2)
Reviewed by CCW
12/15/2021

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

RE: Project: 34283.000 NPI
Pace Project No.: 40237709

Dear Clifford Wright:

Enclosed are the analytical results for sample(s) received by the laboratory on December 02, 2021. 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



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 34283.000 NPI

Pace Project No.: 40237709

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

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 34283.000 NPI
Pace Project No.: 40237709

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40237709001	EW-6	Water	11/29/21 12:50	12/02/21 10:45
40237709002	MW-4A	Water	11/29/21 13:50	12/02/21 10:45
40237709003	MW-4B	Water	11/29/21 14:00	12/02/21 10:45
40237709004	MW-10A	Water	11/29/21 12:05	12/02/21 10:45
40237709005	EW-6 DUP	Water	11/29/21 12:50	12/02/21 10:45
40237709006	MW-34A	Water	11/29/21 14:45	12/02/21 10:45
40237709007	MW-70A	Water	11/29/21 12:30	12/02/21 10:45
40237709008	MW-76A	Water	11/29/21 12:40	12/02/21 10:45
40237709009	MW-76A DUP	Water	11/29/21 12:40	12/02/21 10:45
40237709010	MW-76B	Water	11/29/21 13:00	12/02/21 10:45
40237709011	MW-77A	Water	11/29/21 13:25	12/02/21 10:45
40237709012	MW-77B	Water	11/29/21 13:30	12/02/21 10:45
40237709013	MW-77B DUP	Water	11/29/21 13:30	12/02/21 10:45
40237709014	MW-77C	Water	11/29/21 13:35	12/02/21 10:45
40237709015	TRIP BLANK	Water	11/29/21 00:00	12/02/21 10:45
40237709016	RW-2A	Water	11/30/21 08:50	12/02/21 10:45
40237709017	RW-2B	Water	11/30/21 08:55	12/02/21 10:45
40237709018	RW-2C	Water	11/30/21 08:45	12/02/21 10:45
40237709019	RW-3B	Water	11/30/21 08:35	12/02/21 10:45
40237709020	RW-3C	Water	11/30/21 08:25	12/02/21 10:45

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 34283.000 NPI
Pace Project No.: 40237709

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40237709001	EW-6	EPA 8260	LAP	8	PASI-G
40237709002	MW-4A	EPA 8260	LAP	8	PASI-G
40237709003	MW-4B	EPA 8260	LAP	8	PASI-G
40237709004	MW-10A	EPA 6010D	TXW	1	PASI-G
40237709005	EW-6 DUP	EPA 8260	LAP	8	PASI-G
40237709006	MW-34A	EPA 8260	LAP	8	PASI-G
40237709007	MW-70A	EPA 8260	LAP	8	PASI-G
40237709008	MW-76A	EPA 8260	LAP	8	PASI-G
40237709009	MW-76A DUP	EPA 8260	LAP	8	PASI-G
40237709010	MW-76B	EPA 8260	LAP	8	PASI-G
40237709011	MW-77A	EPA 8260	LAP	8	PASI-G
40237709012	MW-77B	EPA 8260	LAP	8	PASI-G
40237709013	MW-77B DUP	EPA 8260	LAP	8	PASI-G
40237709014	MW-77C	EPA 8260	LAP	8	PASI-G
40237709015	TRIP BLANK	EPA 8260	LAP	8	PASI-G
40237709016	RW-2A	EPA 8260	LAP	8	PASI-G
40237709017	RW-2B	EPA 8260	LAP	8	PASI-G
40237709018	RW-2C	EPA 8260	LAP	8	PASI-G
40237709019	RW-3B	EPA 8260	LAP	8	PASI-G
40237709020	RW-3C	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.: 40237709

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40237709001	EW-6					
EPA 8260	1,1,1-Trichloroethane	1.8	ug/L	1.0	12/07/21 11:52	
EPA 8260	1,1-Dichloroethane	1.6	ug/L	1.0	12/07/21 11:52	
EPA 8260	Tetrachloroethene	0.79J	ug/L	1.0	12/07/21 11:52	
EPA 8260	Trichloroethene	2.3	ug/L	1.0	12/07/21 11:52	
40237709004	MW-10A					
EPA 6010D	Cadmium, Dissolved	16.5	ug/L	5.0	12/08/21 16:23	
40237709005	EW-6 DUP					
EPA 8260	1,1,1-Trichloroethane	2.0	ug/L	1.0	12/07/21 18:50	
EPA 8260	1,1-Dichloroethane	1.5	ug/L	1.0	12/07/21 18:50	
EPA 8260	Tetrachloroethene	0.89J	ug/L	1.0	12/07/21 18:50	
EPA 8260	Trichloroethene	2.2	ug/L	1.0	12/07/21 18:50	
40237709007	MW-70A					
EPA 8260	1,1-Dichloroethane	0.32J	ug/L	1.0	12/07/21 16:13	
EPA 8260	Trichloroethene	0.52J	ug/L	1.0	12/07/21 16:13	
40237709008	MW-76A					
EPA 8260	1,1,1-Trichloroethane	5.6	ug/L	1.0	12/07/21 18:11	
EPA 8260	1,1-Dichloroethane	0.34J	ug/L	1.0	12/07/21 18:11	
EPA 8260	Tetrachloroethene	1.2	ug/L	1.0	12/07/21 18:11	
EPA 8260	Trichloroethene	0.86J	ug/L	1.0	12/07/21 18:11	
40237709009	MW-76A DUP					
EPA 8260	1,1,1-Trichloroethane	5.4	ug/L	1.0	12/07/21 16:33	
EPA 8260	Tetrachloroethene	1.1	ug/L	1.0	12/07/21 16:33	
EPA 8260	Trichloroethene	0.91J	ug/L	1.0	12/07/21 16:33	
40237709011	MW-77A					
EPA 8260	Trichloroethene	0.54J	ug/L	1.0	12/07/21 17:12	
40237709012	MW-77B					
EPA 8260	Trichloroethene	1.6	ug/L	1.0	12/07/21 12:12	
40237709013	MW-77B DUP					
EPA 8260	Trichloroethene	1.6	ug/L	1.0	12/07/21 12:32	
40237709014	MW-77C					
EPA 8260	Trichloroethene	0.49J	ug/L	1.0	12/07/21 12:51	
40237709016	RW-2A					
EPA 8260	Trichloroethene	0.89J	ug/L	1.0	12/07/21 13:11	
40237709017	RW-2B					
EPA 8260	1,1,1-Trichloroethane	0.35J	ug/L	1.0	12/07/21 13:31	
EPA 8260	Trichloroethene	1.9	ug/L	1.0	12/07/21 13:31	
40237709018	RW-2C					
EPA 8260	Trichloroethene	2.0	ug/L	1.0	12/07/21 17:32	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 34283.000 NPI

Pace Project No.: 40237709

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40237709019	RW-3B					
EPA 8260	Trichloroethene	2.2	ug/L	1.0	12/07/21 17:51	
40237709020	RW-3C					
EPA 8260	Trichloroethene	2.7	ug/L	1.0	12/07/21 13:50	

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 34283.000 NPI

Pace Project No.: 40237709

Method: EPA 6010D

Description: 6010D MET ICP, Dissolved

Client: Gannett Fleming Inc.

Date: December 14, 2021

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.: 40237709

Method: EPA 8260

Description: 8260 MSV

Client: Gannett Fleming Inc.

Date: December 14, 2021

General Information:

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

Hold Time:

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

Initial Calibrations (including MS Tune as applicable):

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

Continuing Calibration:

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

Internal Standards:

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

Surrogates:

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

Method Blank:

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

Laboratory Control Spike:

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

Matrix Spikes:

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

Additional Comments:

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

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40237709

Sample: EW-6 **Lab ID: 40237709001** Collected: 11/29/21 12:50 Received: 12/02/21 10:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	1.8	ug/L	1.0	0.30	1		12/07/21 11:52	71-55-6	
1,1-Dichloroethane	1.6	ug/L	1.0	0.30	1		12/07/21 11:52	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		12/07/21 11:52	75-35-4	
Tetrachloroethene	0.79J	ug/L	1.0	0.41	1		12/07/21 11:52	127-18-4	
Trichloroethene	2.3	ug/L	1.0	0.32	1		12/07/21 11:52	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		12/07/21 11:52	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		12/07/21 11:52	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		12/07/21 11:52	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40237709

Sample: MW-4A **Lab ID: 40237709002** Collected: 11/29/21 13:50 Received: 12/02/21 10:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		12/07/21 14:10	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		12/07/21 14:10	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		12/07/21 14:10	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		12/07/21 14:10	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		12/07/21 14:10	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		12/07/21 14:10	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		12/07/21 14:10	2199-69-1	
Toluene-d8 (S)	104	%	70-130		1		12/07/21 14:10	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40237709

Sample: MW-4B **Lab ID: 40237709003** Collected: 11/29/21 14:00 Received: 12/02/21 10:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		12/07/21 14:29	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		12/07/21 14:29	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		12/07/21 14:29	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		12/07/21 14:29	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		12/07/21 14:29	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		12/07/21 14:29	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		12/07/21 14:29	2199-69-1	
Toluene-d8 (S)	98	%	70-130		1		12/07/21 14:29	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40237709

Sample: MW-10A **Lab ID: 40237709004** Collected: 11/29/21 12:05 Received: 12/02/21 10:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D Pace Analytical Services - Green Bay									
Cadmium, Dissolved	16.5	ug/L	5.0	1.3	1		12/08/21 16:23	7440-43-9	

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ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40237709

Sample: EW-6 DUP **Lab ID: 40237709005** Collected: 11/29/21 12:50 Received: 12/02/21 10:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	2.0	ug/L	1.0	0.30	1		12/07/21 18:50	71-55-6	
1,1-Dichloroethane	1.5	ug/L	1.0	0.30	1		12/07/21 18:50	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		12/07/21 18:50	75-35-4	
Tetrachloroethene	0.89J	ug/L	1.0	0.41	1		12/07/21 18:50	127-18-4	
Trichloroethene	2.2	ug/L	1.0	0.32	1		12/07/21 18:50	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		12/07/21 18:50	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		12/07/21 18:50	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		12/07/21 18:50	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40237709

Sample: MW-34A **Lab ID: 40237709006** Collected: 11/29/21 14:45 Received: 12/02/21 10:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		12/07/21 18:31	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		12/07/21 18:31	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		12/07/21 18:31	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		12/07/21 18:31	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		12/07/21 18:31	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	105	%	70-130		1		12/07/21 18:31	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		12/07/21 18:31	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		12/07/21 18:31	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40237709

Sample: MW-70A **Lab ID: 40237709007** Collected: 11/29/21 12:30 Received: 12/02/21 10:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		12/07/21 16:13	71-55-6	
1,1-Dichloroethane	0.32J	ug/L	1.0	0.30	1		12/07/21 16:13	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		12/07/21 16:13	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		12/07/21 16:13	127-18-4	
Trichloroethene	0.52J	ug/L	1.0	0.32	1		12/07/21 16:13	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	107	%	70-130		1		12/07/21 16:13	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		12/07/21 16:13	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		12/07/21 16:13	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40237709

Sample: MW-76A **Lab ID: 40237709008** Collected: 11/29/21 12:40 Received: 12/02/21 10:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	5.6	ug/L	1.0	0.30	1		12/07/21 18:11	71-55-6	
1,1-Dichloroethane	0.34J	ug/L	1.0	0.30	1		12/07/21 18:11	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		12/07/21 18:11	75-35-4	
Tetrachloroethene	1.2	ug/L	1.0	0.41	1		12/07/21 18:11	127-18-4	
Trichloroethene	0.86J	ug/L	1.0	0.32	1		12/07/21 18:11	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		12/07/21 18:11	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		12/07/21 18:11	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		12/07/21 18:11	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40237709

Sample: MW-76A DUP **Lab ID: 40237709009** Collected: 11/29/21 12:40 Received: 12/02/21 10:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	5.4	ug/L	1.0	0.30	1		12/07/21 16:33	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		12/07/21 16:33	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		12/07/21 16:33	75-35-4	
Tetrachloroethene	1.1	ug/L	1.0	0.41	1		12/07/21 16:33	127-18-4	
Trichloroethene	0.91J	ug/L	1.0	0.32	1		12/07/21 16:33	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		12/07/21 16:33	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		12/07/21 16:33	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		12/07/21 16:33	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40237709

Sample: MW-76B **Lab ID: 40237709010** Collected: 11/29/21 13:00 Received: 12/02/21 10:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		12/07/21 16:53	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		12/07/21 16:53	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		12/07/21 16:53	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		12/07/21 16:53	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		12/07/21 16:53	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-130		1		12/07/21 16:53	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		12/07/21 16:53	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		12/07/21 16:53	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40237709

Sample: MW-77A **Lab ID: 40237709011** Collected: 11/29/21 13:25 Received: 12/02/21 10:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		12/07/21 17:12	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		12/07/21 17:12	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		12/07/21 17:12	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		12/07/21 17:12	127-18-4	
Trichloroethene	0.54J	ug/L	1.0	0.32	1		12/07/21 17:12	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	105	%	70-130		1		12/07/21 17:12	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		12/07/21 17:12	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		12/07/21 17:12	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40237709

Sample: MW-77B **Lab ID: 40237709012** Collected: 11/29/21 13:30 Received: 12/02/21 10:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		12/07/21 12:12	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		12/07/21 12:12	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		12/07/21 12:12	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		12/07/21 12:12	127-18-4	
Trichloroethene	1.6	ug/L	1.0	0.32	1		12/07/21 12:12	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		12/07/21 12:12	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		12/07/21 12:12	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		12/07/21 12:12	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40237709

Sample: MW-77B DUP **Lab ID: 40237709013** Collected: 11/29/21 13:30 Received: 12/02/21 10:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		12/07/21 12:32	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		12/07/21 12:32	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		12/07/21 12:32	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		12/07/21 12:32	127-18-4	
Trichloroethene	1.6	ug/L	1.0	0.32	1		12/07/21 12:32	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	105	%	70-130		1		12/07/21 12:32	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		12/07/21 12:32	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		12/07/21 12:32	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40237709

Sample: MW-77C **Lab ID: 40237709014** Collected: 11/29/21 13:35 Received: 12/02/21 10:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		12/07/21 12:51	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		12/07/21 12:51	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		12/07/21 12:51	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		12/07/21 12:51	127-18-4	
Trichloroethene	0.49J	ug/L	1.0	0.32	1		12/07/21 12:51	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		12/07/21 12:51	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		12/07/21 12:51	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		12/07/21 12:51	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40237709

Sample: TRIP BLANK **Lab ID: 40237709015** Collected: 11/29/21 00:00 Received: 12/02/21 10:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		12/07/21 11:13	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		12/07/21 11:13	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		12/07/21 11:13	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		12/07/21 11:13	127-18-4	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		12/07/21 11:13	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	105	%	70-130		1		12/07/21 11:13	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		12/07/21 11:13	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		12/07/21 11:13	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40237709

Sample: RW-2A **Lab ID: 40237709016** Collected: 11/30/21 08:50 Received: 12/02/21 10:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		12/07/21 13:11	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		12/07/21 13:11	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		12/07/21 13:11	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		12/07/21 13:11	127-18-4	
Trichloroethene	0.89J	ug/L	1.0	0.32	1		12/07/21 13:11	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		12/07/21 13:11	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		12/07/21 13:11	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		12/07/21 13:11	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40237709

Sample: RW-2B **Lab ID: 40237709017** Collected: 11/30/21 08:55 Received: 12/02/21 10:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	0.35J	ug/L	1.0	0.30	1		12/07/21 13:31	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		12/07/21 13:31	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		12/07/21 13:31	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		12/07/21 13:31	127-18-4	
Trichloroethene	1.9	ug/L	1.0	0.32	1		12/07/21 13:31	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		12/07/21 13:31	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		12/07/21 13:31	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		12/07/21 13:31	2037-26-5	

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ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40237709

Sample: RW-2C **Lab ID: 40237709018** Collected: 11/30/21 08:45 Received: 12/02/21 10:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		12/07/21 17:32	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		12/07/21 17:32	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		12/07/21 17:32	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		12/07/21 17:32	127-18-4	
Trichloroethene	2.0	ug/L	1.0	0.32	1		12/07/21 17:32	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		12/07/21 17:32	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		12/07/21 17:32	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		12/07/21 17:32	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40237709

Sample: RW-3B **Lab ID: 40237709019** Collected: 11/30/21 08:35 Received: 12/02/21 10:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		12/07/21 17:51	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		12/07/21 17:51	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		12/07/21 17:51	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		12/07/21 17:51	127-18-4	
Trichloroethene	2.2	ug/L	1.0	0.32	1		12/07/21 17:51	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		12/07/21 17:51	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		12/07/21 17:51	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		12/07/21 17:51	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40237709

Sample: RW-3C **Lab ID: 40237709020** Collected: 11/30/21 08:25 Received: 12/02/21 10:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		12/07/21 13:50	71-55-6	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		12/07/21 13:50	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		12/07/21 13:50	75-35-4	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		12/07/21 13:50	127-18-4	
Trichloroethene	2.7	ug/L	1.0	0.32	1		12/07/21 13:50	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		12/07/21 13:50	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		12/07/21 13:50	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		12/07/21 13:50	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 34283.000 NPI
Pace Project No.: 40237709

QC Batch: 403712	Analysis Method: EPA 6010D
QC Batch Method: EPA 6010D	Analysis Description: ICP Metals, Trace, Dissolved
	Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40237709004

METHOD BLANK: 2330400 Matrix: Water

Associated Lab Samples: 40237709004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cadmium, Dissolved	ug/L	<1.3	5.0	12/08/21 15:55	

LABORATORY CONTROL SAMPLE: 2330401

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2330403 2330404

Parameter	Units	2330403		2330404		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40237794002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							MSD Result
Cadmium, Dissolved	ug/L	<1.3	250	250	259	258	103	103	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.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 34283.000 NPI

Pace Project No.: 40237709

QC Batch:	403299	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40237709001, 40237709002, 40237709003, 40237709005, 40237709006, 40237709007, 40237709008, 40237709009, 40237709010, 40237709011, 40237709012, 40237709013, 40237709014, 40237709015, 40237709016, 40237709017, 40237709018, 40237709019, 40237709020

METHOD BLANK: 2328331 Matrix: Water

Associated Lab Samples: 40237709001, 40237709002, 40237709003, 40237709005, 40237709006, 40237709007, 40237709008, 40237709009, 40237709010, 40237709011, 40237709012, 40237709013, 40237709014, 40237709015, 40237709016, 40237709017, 40237709018, 40237709019, 40237709020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.30	1.0	12/07/21 07:57	
1,1-Dichloroethane	ug/L	<0.30	1.0	12/07/21 07:57	
1,1-Dichloroethene	ug/L	<0.58	1.0	12/07/21 07:57	
Tetrachloroethene	ug/L	<0.41	1.0	12/07/21 07:57	
Trichloroethene	ug/L	<0.32	1.0	12/07/21 07:57	
1,2-Dichlorobenzene-d4 (S)	%	101	70-130	12/07/21 07:57	
4-Bromofluorobenzene (S)	%	104	70-130	12/07/21 07:57	
Toluene-d8 (S)	%	103	70-130	12/07/21 07:57	

LABORATORY CONTROL SAMPLE: 2328332

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	49.5	99	70-130	
1,1-Dichloroethane	ug/L	50	46.1	92	68-132	
1,1-Dichloroethene	ug/L	50	48.5	97	85-126	
Tetrachloroethene	ug/L	50	41.4	83	70-130	
Trichloroethene	ug/L	50	45.5	91	70-130	
1,2-Dichlorobenzene-d4 (S)	%			98	70-130	
4-Bromofluorobenzene (S)	%			105	70-130	
Toluene-d8 (S)	%			103	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2328333 2328334

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40237709001 Result	Spike Conc.	Spike Conc.	MS Result						
1,1,1-Trichloroethane	ug/L	1.8	50	50	51.1	53.4	99	103	70-130	4	20
1,1-Dichloroethane	ug/L	1.6	50	50	48.8	50.9	95	99	68-132	4	20
1,1-Dichloroethene	ug/L	<0.58	50	50	49.1	51.8	98	104	76-132	5	20
Tetrachloroethene	ug/L	0.79J	50	50	43.2	45.8	85	90	70-130	6	20
Trichloroethene	ug/L	2.3	50	50	49.0	50.4	93	96	70-130	3	20
1,2-Dichlorobenzene-d4 (S)	%						98	101	70-130		
4-Bromofluorobenzene (S)	%						105	106	70-130		
Toluene-d8 (S)	%						104	103	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.: 40237709

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.: 40237709

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40237709004	MW-10A	EPA 6010D	403712		
40237709001	EW-6	EPA 8260	403299		
40237709002	MW-4A	EPA 8260	403299		
40237709003	MW-4B	EPA 8260	403299		
40237709005	EW-6 DUP	EPA 8260	403299		
40237709006	MW-34A	EPA 8260	403299		
40237709007	MW-70A	EPA 8260	403299		
40237709008	MW-76A	EPA 8260	403299		
40237709009	MW-76A DUP	EPA 8260	403299		
40237709010	MW-76B	EPA 8260	403299		
40237709011	MW-77A	EPA 8260	403299		
40237709012	MW-77B	EPA 8260	403299		
40237709013	MW-77B DUP	EPA 8260	403299		
40237709014	MW-77C	EPA 8260	403299		
40237709015	TRIP BLANK	EPA 8260	403299		
40237709016	RW-2A	EPA 8260	403299		
40237709017	RW-2B	EPA 8260	403299		
40237709018	RW-2C	EPA 8260	403299		
40237709019	RW-3B	EPA 8260	403299		
40237709020	RW-3C	EPA 8260	403299		

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

410237709

ALL SHADED AREAS are for LAB USE ONLY

Company: Gannett Fleming
Address: 8040 Excelsior Dr Ste 303

Billing Information:
Email To: clwright@gfnet.com
Site Collection Info/Address:

Report To: Cliff Wright
Copy To: Chelsea Payne

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

Customer Project Name/Number: NPI 34283.000

Compliance Monitoring? Yes [] No

Phone: clwright@gfnet.com Site/Facility ID #: NPI
Email: cpayne@gfnet.com

DW PWS ID #: _____
DW Location Code: _____

Collected By (print): Chelsea Payne
Purchase Order #: 34283.000
Quote #: Pace 2621-NPI

Immediately Packed on Ice: Yes [] No

Collected By (signature): [Signature]
Turnaround Date Required: _____

Field Filtered (if applicable): 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)
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		
EW-6	GW	Grab	11/29/21	12:50				
MW-4A				13:50				
MW-4B				14:00				
MW-10A				12:05				
EW-6 dup				12:50				
MW-34A				14:45				
MW-70A				12:30				
MW-76A				12:40				
MW-76A dup				"				
MW-76B				13:00				

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 Singa List
VOCs 8260
Cadmium dissolved

Lab Sample Receipt Checklist:

Custody Seals Present/Intact Y N NA Y

Custody Signatures Present Y N NA Y

Collector Signature Present Y N NA Y

Bottles Intact Y N NA Y

Correct Bottles Y N NA Y

Sufficient Volume Y N NA Y

Samples Received on Ice Y N NA Y

VOA - Headspace Acceptable Y N NA Y

USDA Regulated Soils Y N NA Y

Samples in Holding Time Y N NA Y

Residual Chlorine Present Y N NA Y

Cl Strips: _____

Sample pH Acceptable Y N NA Y

pH Strips: _____

Sulfide Present Y N NA Y

Lead Acetate Strips: _____

LAB USE ONLY:
Lab Sample # / Comments:

- 001
- 002
- 003
- 004
- 005
- 006
- 007
- 008
- 009
- 010

Customer Remarks / Special Conditions / Possible Hazards:
Please send copy of results to Mary Gannon for review, as has been done previously

Type of Ice Used: Wet Blue Dry None

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

Packing Material Used:

Lab Tracking #: 2697361

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 Y

Therm ID#: _____

Cooler 1 Temp Upon Receipt: _____

Cooler 1 Therm Corr Factor: _____

Cooler 1 Corrected Temp: _____

Comments:

Relinquished by/Company: (Signature) [Signature] GF

Date/Time: 11/30/21 16:00

Received by/Company: (Signature) _____

Date/Time: _____

MTJL LAB USE ONLY

Relinquished by/Company: (Signature) [Signature]

Date/Time: 12/1/21 1045

Received by/Company: (Signature) [Signature]

Date/Time: 12/1/21 1045

Table #:

Acctnum:

Template:

Prelogin:

PM:

PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO
Page: 2 Page 33 of 37



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

40237709

ALL SHADED AREAS are for LAB USE ONLY

Company: **Gunneth Fleming** Billing Information:

Address: **8040 Excelsior Dr.**

Report To:

Copy To:

Customer Project Name/Number: **NPI | 34283.000** State: County/City: Time Zone Collected: [] PT [] MT [] CT [] ET

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

Collected By (print): **Chelsea Payne** Purchase Order #: Quote #: **See** DW PWS ID #: DW Location Code:

Collected By (signature): **Chelsea Payne** 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:

* 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 **

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

Lab Project Manager:

Lab Profile/Line:

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns
			Date	Time	Date	Time		
MW-77A	GW	Grab	11/29/21	13:25				3
MW-77B				13:30				2
MW-77B dup								2
MW-77C				13:35				3
Trip Blank								1
RW-2A			11/30/21	8:50				
RW-2B				8:55				
RW-2C				8:45				
RW-3B				8:35				
RW-3C				8:25				

Analyses

NPI Swat List

8260

VOCs

Lab Sample Receipt Checklist:

Custody Seals Present/Intact Y N NA

Custody Signatures Present Y N NA

Collector Signature Present Y N NA

Bottles Intact Y N NA

Correct Bottles Y N NA

Sufficient Volume Y N NA

Samples Received on Ice Y N NA

VOA - Headspace Acceptable Y N NA

USDA Regulated Soils Y N NA

Samples in Holding Time Y N NA

Residual Chlorine Present Y N NA

Cl Strips: Y N NA

Sample pH Acceptable Y N NA

pH Strips: Y N NA

Sulfide Present Y N NA

Lead Acetate Strips: Y N NA

LAB USE ONLY:
Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:

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 #: **2697362**

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 Connected Temp: °C

Relinquished by/Company: (Signature) **GF** Date/Time: **11/30/21 16:00** Received by/Company: (Signature) **Susan Miller Pace** Date/Time: **12/2/21 10:45**

Relinquished by/Company: (Signature) **Fed Ex** Date/Time: **12/2/21 10:45** Received by/Company: (Signature) **Susan Miller Pace** Date/Time: **12/2/21 10:45**

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

MTJL LAB USE ONLY

Table #:

Acctnum:

Template:

Prelogin:

PM:

PB:

Equipment:

Trip Blank Received: Y N NA

HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page 34 of 37
of: **2**

Client Name: Gannett Fleming Sample Preservation Receipt Form Project # 40237709



Pace Analytical Services, LLC
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

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: 70D0104 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
BG1U	1 liter clear glass
AG1H	1 liter amber glass HCL
AG4S	125 mL amber glass H2SO4
AG4U	120 mL amber glass unpres
AG5U	100 mL amber glass unpres
AG2S	500 mL amber glass H2SO4
BG3U	250 mL clear glass unpres

BP1U	1 liter plastic unpres
BP3U	250 mL plastic unpres
BP3B	250 mL plastic NaOH
BP3N	250 mL plastic HNO3
BP3S	250 mL plastic H2SO4


VG9A	40 mL clear ascorbic
DG9T	40 mL amber Na Thio
VG9U	40 mL clear vial unpres
VG9H	40 mL clear vial HCL
VG9M	40 mL clear vial MeOH
VG9D	40 mL clear vial DI

JGFU	4 oz amber jar unpres
JG9U	9 oz amber jar unpres
WGFU	4 oz clear jar unpres
WPFU	4 oz plastic jar unpres
SP5T	120 mL plastic Na Thiosulfate
ZPLC	ziploc bag
GN	

Client Name: Gannett Fleming Sample Preservation Receipt Form
Project #: 403709

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													
021																																						2.5 / 5 / 10	
022																																						2.5 / 5 / 10	
																																						2.5 / 5 / 10	
																																						2.5 / 5 / 10	
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12/12/20

 1241 Bellevue Street, Green Bay, WI 54302	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: 26Mar2020
	Document No.: ENV-FRM-GBAY-0014-Rev.00	Author: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Client Name: Gannett Fleming Project #: _____
 Courier: CS Logistics Fed Ex Speedee UPS Walco
 Client Pace Other: _____

WO#: 40237709



Tracking #: 8170 27258531
 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: 1.5 /Corr: 0
 Temp Blank Present: yes no Biological Tissue is Frozen: yes no

Person examining contents:
 Date: 12/2/21 /Initials: SKW
 Labeled By Initials: AKI

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. <u>015 thru 020 Analysis not checked</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 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>471</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 14, 2021

Project #34283.000 NPI
Q4 Groundwater (2 of 2)
Reviewed by CCW
12/14/2021

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

RE: Project: 34283.000 NPI
Pace Project No.: 40238059

Dear Clifford Wright:

Enclosed are the analytical results for sample(s) received by the laboratory between December 02, 2021 and December 09, 2021. 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



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 34283.000 NPI

Pace Project No.: 40238059

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

Michigan Certification #: 9911

Mississippi Certification: FL NELAC Reciprocity

Missouri Certification #: 236

Montana Certification #: Cert 0074

Nebraska Certification: NE-OS-28-14

New Hampshire Certification #: 2958

New Jersey Certification #: FL022

New York Certification #: 11608

North Carolina Environmental Certificate #: 667

North Carolina Certification #: 12710

North Dakota Certification #: R-216

Ohio DEP 87780

Oklahoma Certification #: D9947

Pennsylvania Certification #: 68-00547

Puerto Rico Certification #: FL01264

South Carolina Certification: #96042001

Tennessee Certification #: TN02974

Texas Certification: FL NELAC Reciprocity

US Virgin Islands Certification: FL NELAC Reciprocity

Virginia Environmental Certification #: 460165

West Virginia Certification #: 9962C

Wisconsin Certification #: 399079670

Wyoming (EPA Region 8): FL NELAC Reciprocity

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 34283.000 NPI

Pace Project No.: 40238059

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40238059001	NOT NEEDED	Water	12/09/21 00:00	12/09/21 14:18
40237709021	FINISHED PRODUCT	Water	11/30/21 08:00	12/02/21 10:45
40237709022	TRIP BLANK	Water	11/29/21 00:00	12/02/21 10:45

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 34283.000 NPI

Pace Project No.: 40238059

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40237709021	FINISHED PRODUCT	EPA 524.2	JLR	8	PASI-O
40237709022	TRIP BLANK	EPA 524.2	CLT	8	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 34283.000 NPI
Pace Project No.: 40238059

Method: EPA 524.2
Description: 524.2 MSV
Client: Gannett Fleming Inc.
Date: December 14, 2021

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.: 40238059

Sample: FINISHED PRODUCT **Lab ID: 40237709021** Collected: 11/30/21 08:00 Received: 12/02/21 10:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV									
Analytical Method: EPA 524.2									
Pace Analytical Services - Ormond Beach									
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		12/08/21 18:41	75-34-3	
1,1-Dichloroethene	<0.29	ug/L	0.50	0.29	1		12/08/21 18:41	75-35-4	
Tetrachloroethene	<0.26	ug/L	0.50	0.26	1		12/08/21 18:41	127-18-4	
1,1,1-Trichloroethane	<0.27	ug/L	0.50	0.27	1		12/08/21 18:41	71-55-6	
Trichloroethene	<0.26	ug/L	0.50	0.26	1		12/08/21 18:41	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	86	%	70-130		1		12/08/21 18:41	460-00-4	
Toluene-d8 (S)	98	%	70-130		1		12/08/21 18:41	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		12/08/21 18:41	2199-69-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 34283.000 NPI

Pace Project No.: 40238059

Sample: TRIP BLANK **Lab ID: 40237709022** Collected: 11/29/21 00:00 Received: 12/02/21 10:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV									
Analytical Method: EPA 524.2									
Pace Analytical Services - Ormond Beach									
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		12/09/21 12:38	75-34-3	
1,1-Dichloroethene	<0.29	ug/L	0.50	0.29	1		12/09/21 12:38	75-35-4	
Tetrachloroethene	<0.26	ug/L	0.50	0.26	1		12/09/21 12:38	127-18-4	
1,1,1-Trichloroethane	<0.27	ug/L	0.50	0.27	1		12/09/21 12:38	71-55-6	
Trichloroethene	<0.26	ug/L	0.50	0.26	1		12/09/21 12:38	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	86	%	70-130		1		12/09/21 12:38	460-00-4	
Toluene-d8 (S)	98	%	70-130		1		12/09/21 12:38	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		12/09/21 12:38	2199-69-1	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 34283.000 NPI
Pace Project No.: 40238059

QC Batch: 783896	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: 40237709021

METHOD BLANK: 4298516 Matrix: Water
Associated Lab Samples: 40237709021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.27	0.50	12/08/21 17:53	
1,1-Dichloroethane	ug/L	<0.27	1.0	12/08/21 17:53	
1,1-Dichloroethene	ug/L	<0.29	0.50	12/08/21 17:53	
Tetrachloroethene	ug/L	<0.26	0.50	12/08/21 17:53	
Trichloroethene	ug/L	<0.26	0.50	12/08/21 17:53	
1,2-Dichlorobenzene-d4 (S)	%	107	70-130	12/08/21 17:53	
4-Bromofluorobenzene (S)	%	86	70-130	12/08/21 17:53	
Toluene-d8 (S)	%	98	70-130	12/08/21 17:53	

Parameter	Units	4298517		4298518			% Rec Limits	RPD	Max RPD	Qualifiers
		Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec				
1,1,1-Trichloroethane	ug/L	20	18.4	18.0	92	90	70-130	2	20	
1,1-Dichloroethane	ug/L	20	21.3	20.8	106	104	70-130	2	20	
1,1-Dichloroethene	ug/L	20	19.0	19.4	95	97	70-130	2	20	
Tetrachloroethene	ug/L	20	16.8	16.1	84	81	70-130	4	20	
Trichloroethene	ug/L	20	17.8	17.5	89	87	70-130	2	20	
1,2-Dichlorobenzene-d4 (S)	%				101	101	70-130			
4-Bromofluorobenzene (S)	%				97	93	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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QUALITY CONTROL DATA

Project: 34283.000 NPI
Pace Project No.: 40238059

QC Batch: 784162	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: 40237709022

METHOD BLANK: 4300422 Matrix: Water

Associated Lab Samples: 40237709022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.27	0.50	12/09/21 12:14	
1,1-Dichloroethane	ug/L	<0.27	1.0	12/09/21 12:14	
1,1-Dichloroethene	ug/L	<0.29	0.50	12/09/21 12:14	
Tetrachloroethene	ug/L	<0.26	0.50	12/09/21 12:14	
Trichloroethene	ug/L	<0.26	0.50	12/09/21 12:14	
1,2-Dichlorobenzene-d4 (S)	%	105	70-130	12/09/21 12:14	
4-Bromofluorobenzene (S)	%	86	70-130	12/09/21 12:14	
Toluene-d8 (S)	%	96	70-130	12/09/21 12:14	

LABORATORY CONTROL SAMPLE & LCSD: 4300423 4300424

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	20	16.5	16.0	82	80	70-130	3	20	
1,1-Dichloroethane	ug/L	20	19.3	18.8	97	94	70-130	3	20	
1,1-Dichloroethene	ug/L	20	16.8	16.5	84	82	70-130	2	20	
Tetrachloroethene	ug/L	20	15.7	15.0	78	75	70-130	5	20	
Trichloroethene	ug/L	20	16.6	15.9	83	79	70-130	4	20	
1,2-Dichlorobenzene-d4 (S)	%				102	101	70-130			
4-Bromofluorobenzene (S)	%				91	87	70-130			
Toluene-d8 (S)	%				96	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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QUALIFIERS

Project: 34283.000 NPI

Pace Project No.: 40238059

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.: 40238059

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40237709021	FINISHED PRODUCT	EPA 524.2	783896		
40237709022	TRIP BLANK	EPA 524.2	784162		

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

4023709

ALL SHADED AREAS are for LAB USE ONLY

Company: Garnett Fleming
 Address: 8040 Excelsior Dr. Madison, WI 53717
 Report To: Cliff Wright
 Copy To: cpayne@gfnet.com

Billing Information:
 → " " "
 Email To: cwright@gfnet.com
 Site Collection Info/Address: NPI

Container Preservative Type **
 3
 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

Customer Project Name/Number: NPI-ECMWF / 34283.000
 State: WI County/City: Eau Claire Time Zone Collected: [] PT [] MT [] CT [] ET
 Phone: _____ Site/Facility ID #: NPI / 34283.000
 Email: cwright@gfnet.com Compliance Monitoring? Yes [] No
 Collected By (print): Chelsea Payne Purchase Order #: 34283.000 DW PWS ID #: _____
 Quote #: Pace 2021-NPI DW Location Code: _____
 Collected By (signature): [Signature] Turnaround Date Required: _____ Immediately Packed on Ice: Yes [] No
 Sample Disposal: [] Dispose as appropriate [] Return [] Archive: _____ Rush: [] Same Day [] Next Day [] 2 Day [] 3 Day [] 4 Day [] 5 Day [] Hold: _____ (Expedite Charges Apply) Field Filtered (if applicable): [] Yes No Analysis: _____

Analyses

Matrix	Sample ID	Grab	Start	End	Res	Ctns	Analysis
GW	FP	Grab	11/30/21	8:00			VOCs 524.2
"	Top Blank	↓	11/21/21				

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:

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

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res CI	# of Ctns
			Date	Time	Date	Time		
FP	GW	Grab	11/30/21	8:00				
Top Blank	"	↓	11/21/21					

Customer Remarks / Special Conditions / Possible Hazards:
Please send copy of results to Mary Gannon for review, as was been done previously

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 #: 2697363
 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 Temp at Lab: _____ °C
 Cooler 1 Collected Temp: _____ °C
 Comments: [Signature]

Relinquished by/Company: (Signature) [Signature]
 Date/Time: 11/30/21 16:00

Received by/Company: (Signature) [Signature]
 Date/Time: 12/2/21 10:15

Relinquished by/Company: (Signature) [Signature]
 Date/Time: 12/2/21 10:15

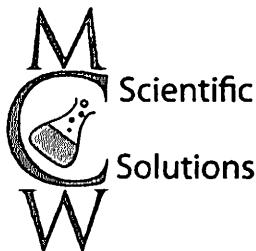
Trip Blank Received: Y N NA
 HCL MeOH TSP Other
 Non Conformance(s): YES / NO
 Page: 1 Page 12 of 12
 of: _____

APPENDIX C (available upon request)

TEXT OF THE 2021 ANALYTICAL DATA VALIDATION REPORTS

Presto Site Data Validation Technical Memorandum

March 16, 2021 Sampling Event



Technical memorandum

DATE: April 14, 2021

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 16, 2021 Quarterly Groundwater Sampling Event

Project#: 34283

Mary C Gannon
4/14/21

1.0 OVERVIEW

Analytical results (8260volatiles, 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 March 16, 2021, 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

1,1-Dichloroethane had a percent difference of 21% for the CCV. No 1,1-Dichloroethane was detected in any of the samples. Based on the "National Functional Guidelines for Superfund Organic Methods Data Review," dated January 2017, all samples will have 1,1-Dichloroethane qualified with a "UJ," estimated non-detect.

Presto Site Data Validation Technical Memorandum

March 16, 2021 Sampling Event

All dissolved cadmium data 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.

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 500 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.

Presto Site Data Validation Technical Memorandum

March 16, 2021 Sampling Event

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.

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 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 "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.

Presto Site Data Validation Technical Memorandum

March 16, 2021 Sampling Event

A seven point initial calibration curve was analyzed on 2/22/21 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.

3.2.3 Continuing Calibration

A continuing calibration standard (CCAL) was analyzed according to methods 8260B every 12 hours. Most Calibration Check Compounds met the method 8260B limits of < 20 % difference. All response factors of reported compounds met data validation criteria. 1,1-Dichloroethane had a percent difference of 21% for the CCV. No 1,1-Dichloroethane was detected in any of the samples. Based on the "National Functional Guidelines for Superfund Organic Methods Data Review," dated January 2017, all samples will have 1,1-Dichloroethane qualified with a "UJ," estimated non-detect.

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.

Presto Site Data Validation Technical Memorandum

March 16, 2021 Sampling Event

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	0.80 J ug/L	0.83 J ug/L	3.6%
1,1,1-trichloroethane	1.2 ug/L	1.2 ug/L	0%

All RPD values at or above the reporting limit were within 50% as specified on QAPP Worksheet #12. No data will be qualified based on field duplicate data.

3.3 Data Usability

1,1-Dichloroethane had a percent difference of 21% for the CCV. No 1,1-Dichloroethane was detected in any of the samples. Based on the "National Functional Guidelines for Superfund Organic Methods Data Review," dated January 2017, all samples will have 1,1-Dichloroethane qualified with a "UJ," estimated non-detect.

If you have any questions regarding the qualification of data or the data validation process/criteria used, please contact me at (512)970-4608.

Attachments:

Table 1
Validated Analytical Reports (hard copy)

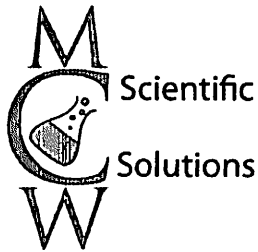
cc: Gannett Fleming, Inc.

Table 1 Sample Results Validated from March 16, 2021

	Volatiles	Dissolved
	SW846	Cadmium
SAMPLE ID	8260B	6010
EW-6	✓	
EW-6 DUP	✓	
MH-18	✓	
MW-70A	✓	
MW-76A	✓	
MW-10A		✓
MW-34A		✓
TRIP BLANK	✓	
Total	6	2

Presto Site Data Validation Technical Memorandum

May 2021 Sampling Event



Technical memorandum

DATE: August 15, 2021

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

May 2021 Quarterly Groundwater Sampling Event

Project#: 34283

A handwritten signature in black ink that reads 'Mary C Gannon' followed by the date '8/15/21'.

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 May 24-26, 2021 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

1,1,1-Trichloroethane (24%) and trichloroethane (21%) had a percent difference of greater than 20% for one CCV on 6/2/2021. Based on the "National Functional Guidelines for Superfund Organic Methods Data Review," dated January 2017, detects will be qualified as estimated (J) and non-detects as estimated (UJ) for 1,1,1-Trichloroethane and trichloroethane.

Presto Site Data Validation Technical Memorandum

May 2021 Sampling Event

All dissolved cadmium 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.

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 500 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.

Presto Site Data Validation Technical Memorandum

May 2021 Sampling Event

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.

2.2.6 Serial Dilution

A serial dilution was analyzed on sample MW-10A. The RPD met the 10% limit. 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 except for the MS/MSD requested on sample CW-22 by method 524.2.

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.

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

Presto Site Data Validation Technical Memorandum

May 2021 Sampling Event

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 5/10/21 and 5/21/21 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 6/7-8/2021. 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. Most 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. 1,1,1-Trichloroethane (24%) and trichloroethane (21%) had a percent difference of greater than 20% for one CCV on 6/2/2021. Based on the "National Functional Guidelines for Superfund Organic Methods Data Review," dated January 2017, detects will be qualified as estimated (J) and non-detects as estimated (UJ) for 1,1,1-Trichloroethane and trichloroethane.

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-77A, 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.

Project samples used for method 524.2 analysis MS/MSD was CW-19. All recoveries and Relative Percent Difference limits established by Pace and found on QAPP worksheet #15 were met for all reported compounds. Note the chain of custody specified CW-19 and CW-22. No MS/MSD was reported for CW-22. No action was needed to qualify sample data.

Presto Site Data Validation Technical Memorandum

May 2021 Sampling Event

3.2.7 Laboratory Control Standard

LCS samples were analyzed with every batch of 20 or less project samples. Not recoveries and Relative Percent Difference limits established by Pace and found on QAPP worksheet #15 were met. 1,1-Dichloroethene failed slightly high at 129% with limits of 85-126%. No 1,1-Dichloroethene was detected in any samples; therefore, 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

Three 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 MH-18, EW-6, MW-38B, MW-76A, 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-52A	MW-52A Dup	RPD	EW-6	EW-6 DUP	RPD
Trichloroethene	3.0 ug/L	3.0 ug/L	0%	0.78 J ug/L	0.71 J ug/L	9.3%
1,1,1-Trichloroethane	0.31 J ug/L	ND	NA	1.3 ug/L	1.2 ug/L	8.0%

Sample ID	MW-38B	MW-38B DUP	RPD	MH-18	MH-18 DUP	RPD
Trichloroethene	3.3 ug/L	3.6 ug/L	8.7%	0.41 J ug/L	0.37 J ug/L	10%
1,1,1-Trichloroethane	0.45 J ug/L	0.43 J ug/L	4.5%	ND	ND	NA

Sample ID	RW-3A	RW-3A DUP	RPD	MW-76A	MW-76A DUP	RPD
Trichloroethene	1.5 J ug/L	1.0 J ug/L	40%	ND	ND	NA
1,1,1-Trichloroethane	ND	ND	0%	2.4 J ug/L	2.2 J ug/L	8.7%
Tetrachloroethene	ND	ND	NA	0.48 UJ ug/L	ND	NA

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.

Presto Site Data Validation Technical Memorandum

May 2021 Sampling Event

3.3 Data Usability

1,1,1-Trichloroethane (24%) and trichloroethane (21%) had a percent difference of greater than 20% for one CCV on 6/2/2021. Based on the "National Functional Guidelines for Superfund Organic Methods Data Review," dated January 2017, detects will be qualified as estimated (J) and non-detects as estimated (UJ) for 1,1,1-Trichloroethane and trichloroethane.

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)

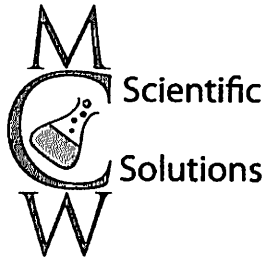
cc: Gannett Fleming, Inc.

Table 1 Sample Results Validated May 2021

SAMPLE ID	Volatiles	Dissolved	SAMPLE ID	Volatiles	SAMPLE ID	Volatiles
	SW846	Cadmium		SW846		524.2
	8260B	6010		8260B		
MW-5A	✓		WW-15	✓	CW-19	✓
MW-62AR	✓		MW-35A	✓	CW-22	✓
MW-62B	✓		MW-35B	✓	CW-23	✓
MW-65B	✓		MW-41A	✓	RAW	✓
MW-65C	✓		MW-41B	✓	TOWER A	✓
EW-6	✓		MW-43A	✓	TOWER B	✓
EW-6 DUP	✓		MW-43B	✓	FINISHED PRODUCT	✓
MH-18	✓		RW-16	✓	TRIP BLANK	✓
MH-18 DUP	✓		RW-16B	✓		
MW-4B	✓		RW-3A	✓		
MW-10A		✓	RW-3A DUP	✓		
MW-23A	✓		RW-3B	✓		
MW-23B	✓		RW-3C	✓		
MW-34A	✓		TRIP BLANK	✓		
MW-38A	✓		MW-49A	✓		
MW-38B	✓		MW-49B	✓		
MW-38C	✓		MW-51A	✓		
MW-68A	✓		MW-51B	✓		
MW-68B	✓		MW-52A	✓		
MW-38B DUP	✓		MW-52B	✓		
MW-70A	✓		MW-53A	✓		
MW-76A	✓		MW-53B	✓		
MW-76A DUP	✓		MW-54A	✓		
MW-77A	✓		MW-54B	✓		
MW-77B	✓		MW-54C	✓		
MW-77C	✓		MW-55B	✓		
RW-2A	✓		MW-55C	✓		
RW-2B	✓		MW-52A DUP	✓		
RW-2C	✓		TRIP BLANK	✓		
RW-15	✓					
	29	1		29		8

Presto Site Data Validation Technical Memorandum

August 31, 2021 Sampling Event



Technical memorandum

DATE: October 15, 2021

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 31, 2021 Quarterly Groundwater Sampling Event

Project#: 34283

Mary C. Gannon
10/15/21

1.0 OVERVIEW

Analytical results (8260volatiles, and 6010 dissolved and total recoverable cadmium) for the samples listed in Table 1, collected by Gannett Fleming, Inc. from the interim remedial action at National Presto Industries, Inc. on August 31, 2021, 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 31, 2021 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

The client 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

August 31, 2021 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. Sample EC-6 was not documented on the chain of custody but collected. The sample was added to the chain of custody and analyzed per the project managers request.

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 8/30/21 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 31, 2021 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.

Field duplicates were collected for EC-1 and 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	EW-1	EW-1Dup	RPD
Trichloroethene	0.95 J ug/L	1.0 ug/L	5.1%	0.95 J ug/L	1.5 ug/L	44.9%
1,1,1-trichloroethane	0.84 J ug/L	0.87 J ug/L	3.5%	ND	ND	

Presto Site Data Validation Technical Memorandum

August 31, 2021 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)

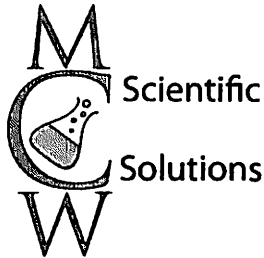
cc: Gannett Fleming, Inc.

Table 1 Sample Results Validated August 2021

	Volatiles	Total	Dissolved
	SW846	Cadmium	Cadmium
SAMPLE ID	8260B	6010	6010
EC-1	✓		
EC-1 DUP	✓		
EW-6	✓		
EW-6 DUP	✓		
MH-18	✓	✓	
MW-10A			✓
MW-10B			✓
MW-34A			✓
MW-68B			✓
MW-70A	✓		
MW-70B			✓
MW-75			✓
MW-76A	✓		
RW-16C	✓		
TRIP BLANK	✓		
MW-34B			✓
EC-6	✓		
Total	10	1	7

Presto Site Data Validation Technical Memorandum

November 29-30, 2021 Sampling Event



Technical memorandum

DATE: January 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

November 29-30, 2021 Quarterly Groundwater Sampling Event

Project#: 34283

A handwritten signature in black ink that reads 'Mary C Gannon' with the date '1/28/22' written below it.

1.0 OVERVIEW

Analytical results (8260,524.2 volatiles and, 6010 dissolved cadmium for the samples listed in Table 1, collected by Gannett Fleming, Inc. from the interim remedial action at National Presto Industries, Inc. on November 29-30, 2021, 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. One Calibration Check Compound for method 8260B did not meet the limits of < 20 % for tetrachloroethene. Only one sample bracketed by this CCV detected tetrachloroethene. Sample EW-6 will be qualified as estimated "J" for tetrachloroethene. This sample was already qualified as estimated by the laboratory.

Presto Site Data Validation Technical Memorandum

November 29-30, 2021 Sampling Event

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.

2.0 6010 Dissolved Cd

Pace utilized EPA method 6010 for dissolved cadmium. No significant deviations from this method that affected data quality were evident from the documentation supplied. No action was needed to qualify sample data.

2.1 Completeness Assessment

All analyses included a summary of the lab blank, calibration check standards, LCS, and MS/MSD results. The required frequency for internal laboratory QC samples and calibration checks were met. All samples collected and indicated on the chain-of-custody form were analyzed. No action was needed to qualify sample data.

2.2 Compliance Assessment

2.2.1 Holding Time/Preservation

All samples were analyzed within six months, method required holding time. Verification of sample pH upon receipt/analysis indicated that all samples that required preservation were adequately preserved to $\text{pH} < 2$. The sample temperature upon receipt by the lab was acceptable. No action was needed to qualify sample data.

2.2.2 Calibration

Initial, continuing, and final check standard recoveries were within the 90-110 % limits. All CRDL check standards were within the method required limits. ICP interference check samples met the 80-120% recovery criteria. No action was needed to qualify sample data.

2.2.3 Laboratory Blanks

No detects were reported in the method blank, initial or continuing calibration blanks analyzed with the project sample. No action was needed to qualify sample data.

2.2.4 Laboratory Control Standard

An LCS sample at 250 ug/L was analyzed for 6010 metals with every batch of 20 or less project samples. All recoveries and Relative Percent Difference limits established by Pace and found on QAPP worksheet #15 were met for all reported compounds. No action was needed to qualify sample data.

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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.

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. The chain of custody did not have the number of vials collected noted for samples RW-2A, RW-2B, RW-2C, RW3B and RW-3C. This would not affect any data quality.

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.

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A seven point initial calibration curve was analyzed on 11/28/21, for method 8260. The 15 percent RSD limit required by method 8260 was met for all reported compounds. No action was needed to qualify sample data.

An eight point initial calibration curve for method 524.2 was analyzed on 11/18/21. 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 verification standard (CCV) was analyzed according to methods 8260B and 524.2 every 12 hours. Calibration Check Compounds met the method 524.2 limits of < 30 % difference. One Calibration Check Compound for method 8260B did not meet the limits of < 20 % for tetrachloroethene. Only one sample bracketed by this CCV detected tetrachloroethene. Sample EW-6 will be qualified as estimated "J" for tetrachloroethene. 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 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.

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 reported compounds. No action was needed to qualify sample data.

Presto Site Data Validation Technical Memorandum

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3.2.8 Internal Standards

Internal standard areas in project samples were within the method limits of- 50 % to + 100 %. No action was needed to qualify sample data.

3.2.9 Field QC Results

Two trip blanks were received with this set of data. No analytes were detected. No action was needed to qualify sample data.

Field duplicates were collected for MW-76A, MW-77B and 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	MW-76A	MW-76A Dup	RPD	MW-77B	MW-77B Dup	RPD	EW-6	EW-6 DUP	RPD
1,1,1-Trichloroethane	5.6 ug/L	5.4 ug/L	3.6%	ND	ND		1.8 ug/L	2.0 ug/L	11%
1,1-Dichloroethane	0.34 J ug/L	ND		ND	ND		1.6 ug/L	1.5 ug/L	6.5%
Tetrachloroethene	1.2 ug/L	1.1 ug/L	8.7%	ND	ND		0.79 J ug/L	0.89 J ug/L	12%
Trichloroethene	0.86 J ug/L	0.91 J ug/L	5.6%	1.6 ug/L	1.6 ug/L	0%	2.3 ug/L	2.2 ug/L	4.4%

All RPD values with detections above the reporting limit were within 50%, as specified on QAPP Worksheet #12. No action was needed to qualify sample data.

3.3 Data Usability

All volatiles data, as reported by Pace, was acceptable for use in the investigation. One Calibration Check Compound for method 8260B did not meet the limits of < 20 % for tetrachloroethene. Only one sample bracketed by this CCV detected tetrachloroethene. Sample EW-6 will be qualified as estimated "J" for tetrachloroethene. This sample was already qualified as estimated by the laboratory.

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:

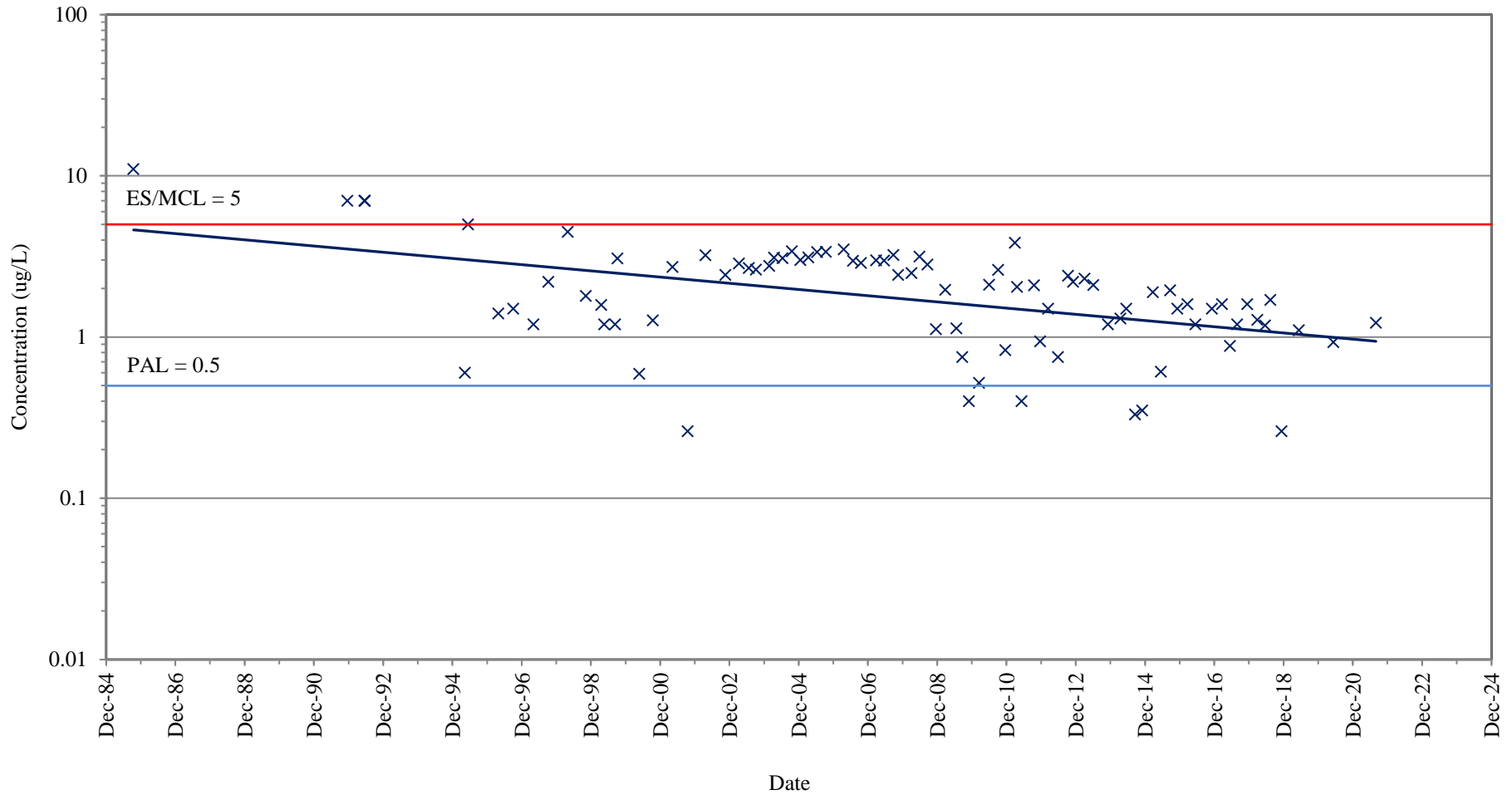
Table 1
Validated Analytical Reports (hard copy)
cc: Gannett Fleming, Inc.

Table 1 Sample Results Validated Q4 2021

SAMPLE ID	Volatiles	Dissolved	SAMPLE ID	Volatiles
	SW846	Cadmium		524.2
	8260B	6010		
EW-6	✓		FINISHED PRODUCT	✓
MW-4A	✓		TRIP BLANK	✓
MW-4B	✓			
MW-10A		✓		
EW-6 DUP	✓			
MW-34A	✓			
MW-70A	✓			
MW-76A	✓			
MW-76A DUP	✓			
MW-76B	✓			
MW-77A	✓			
MW-77B	✓			
MW-77B DUP	✓			
MW-77C	✓			
TRIP BLANK	✓			
RW-2A	✓			
RW-2B	✓			
RW-2C	✓			
RW-3B	✓			
RW-3C	✓			
	19	1		2

APPENDIX D

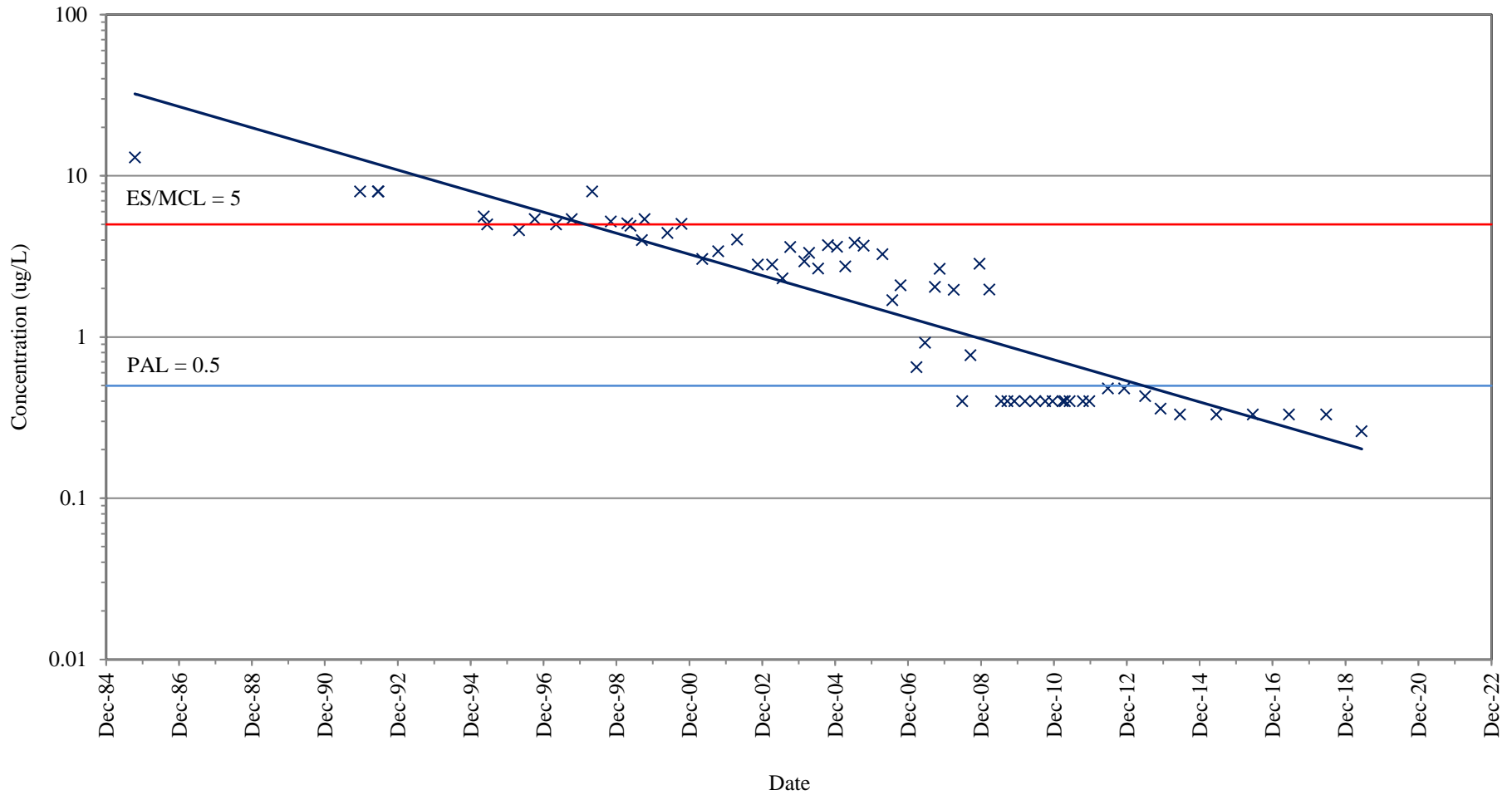
TCE CONCENTRATION VERSUS TIME GRAPHS
FORMER PLUME 1/2 (SOUTHWEST CORNER TO THE ECMWF)



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)

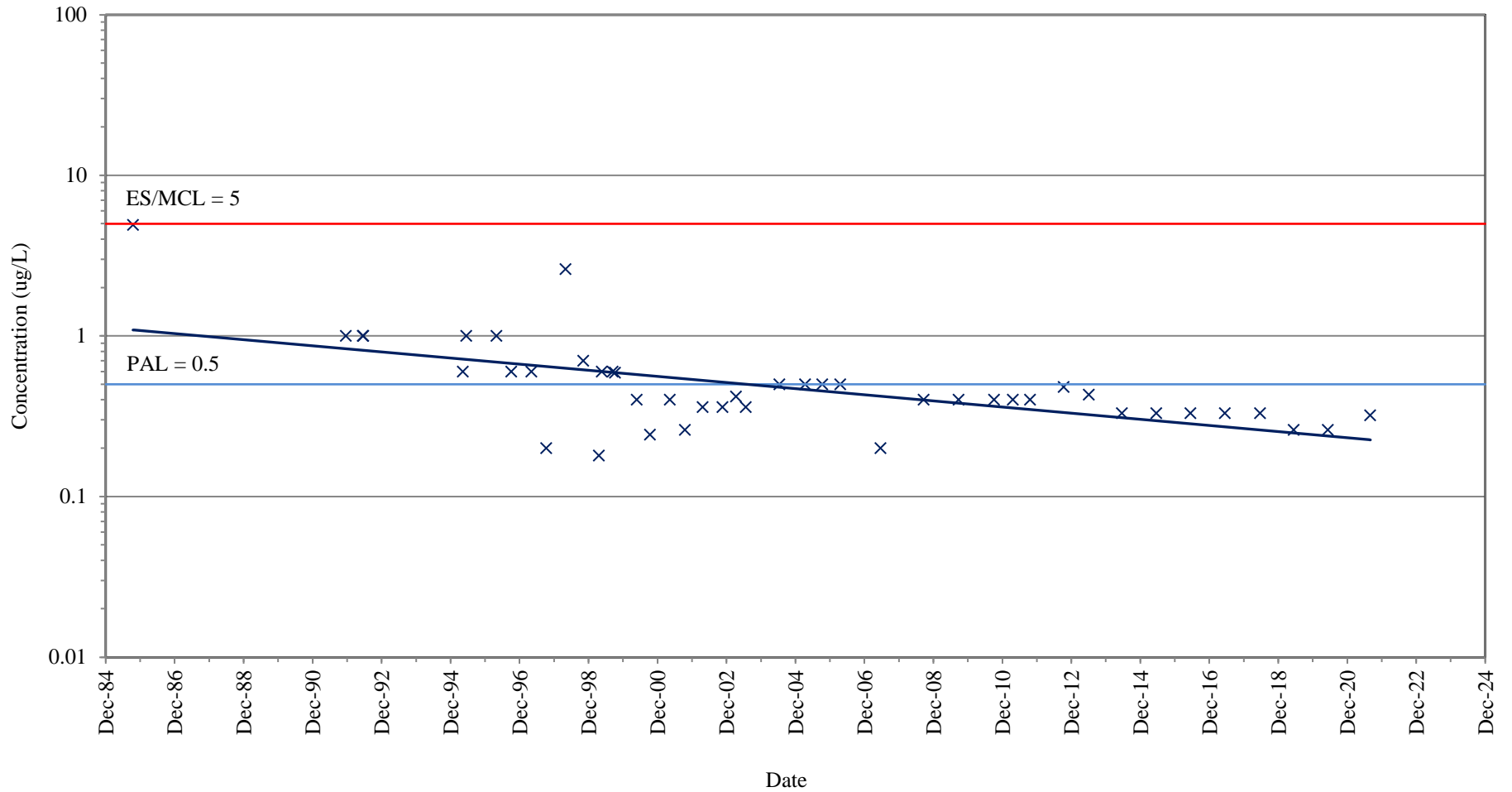
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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)

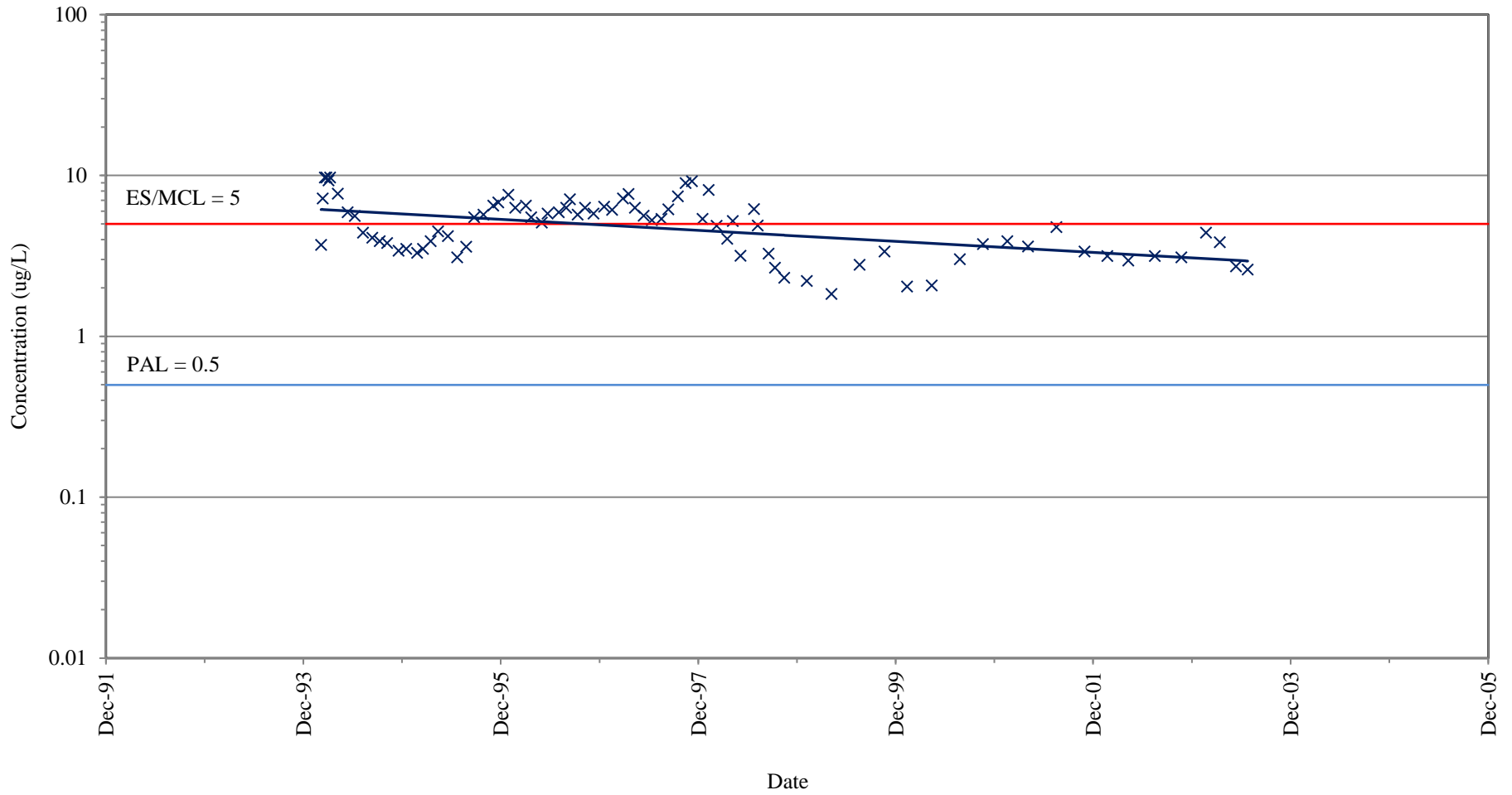
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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)

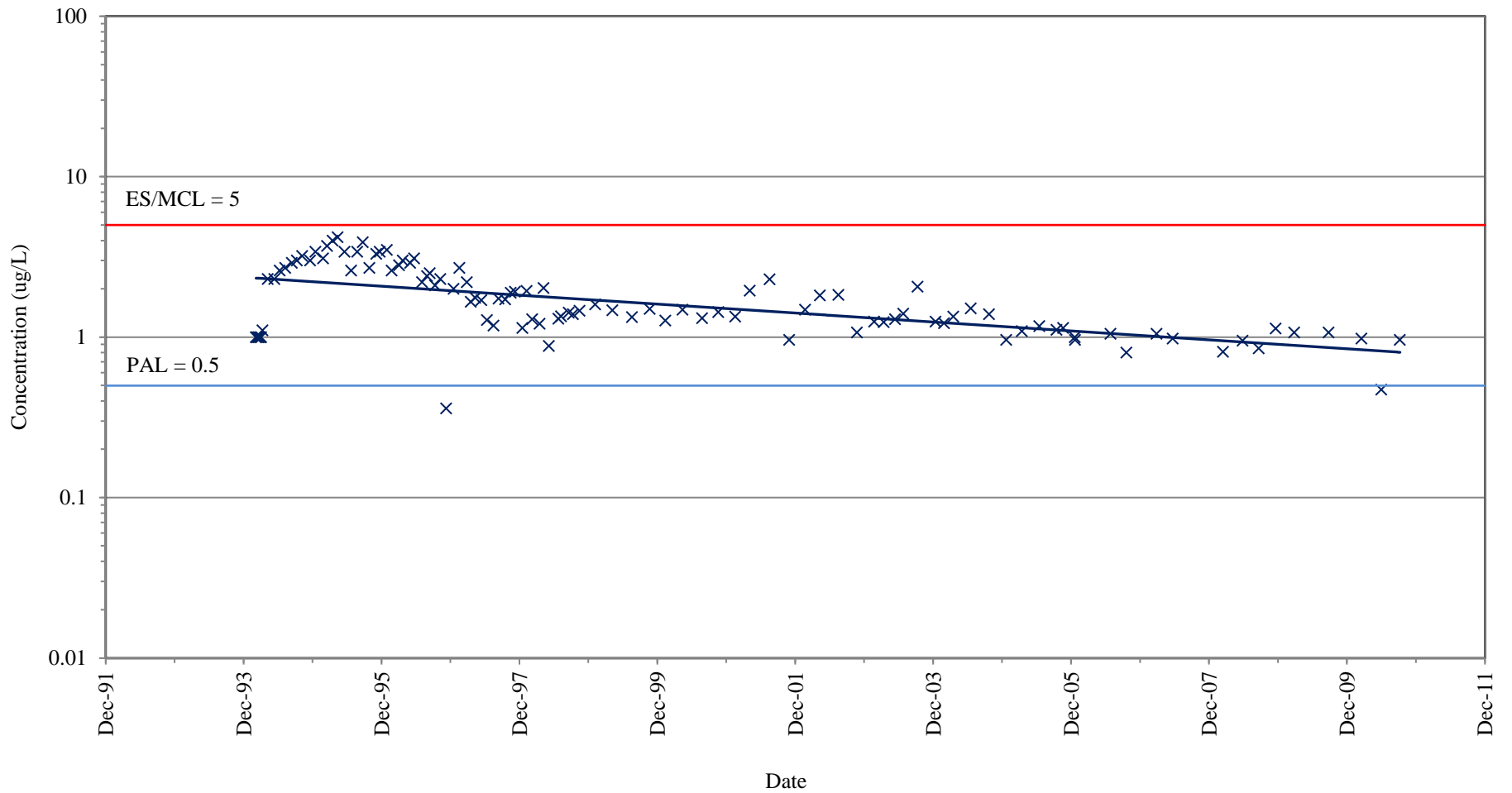
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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)

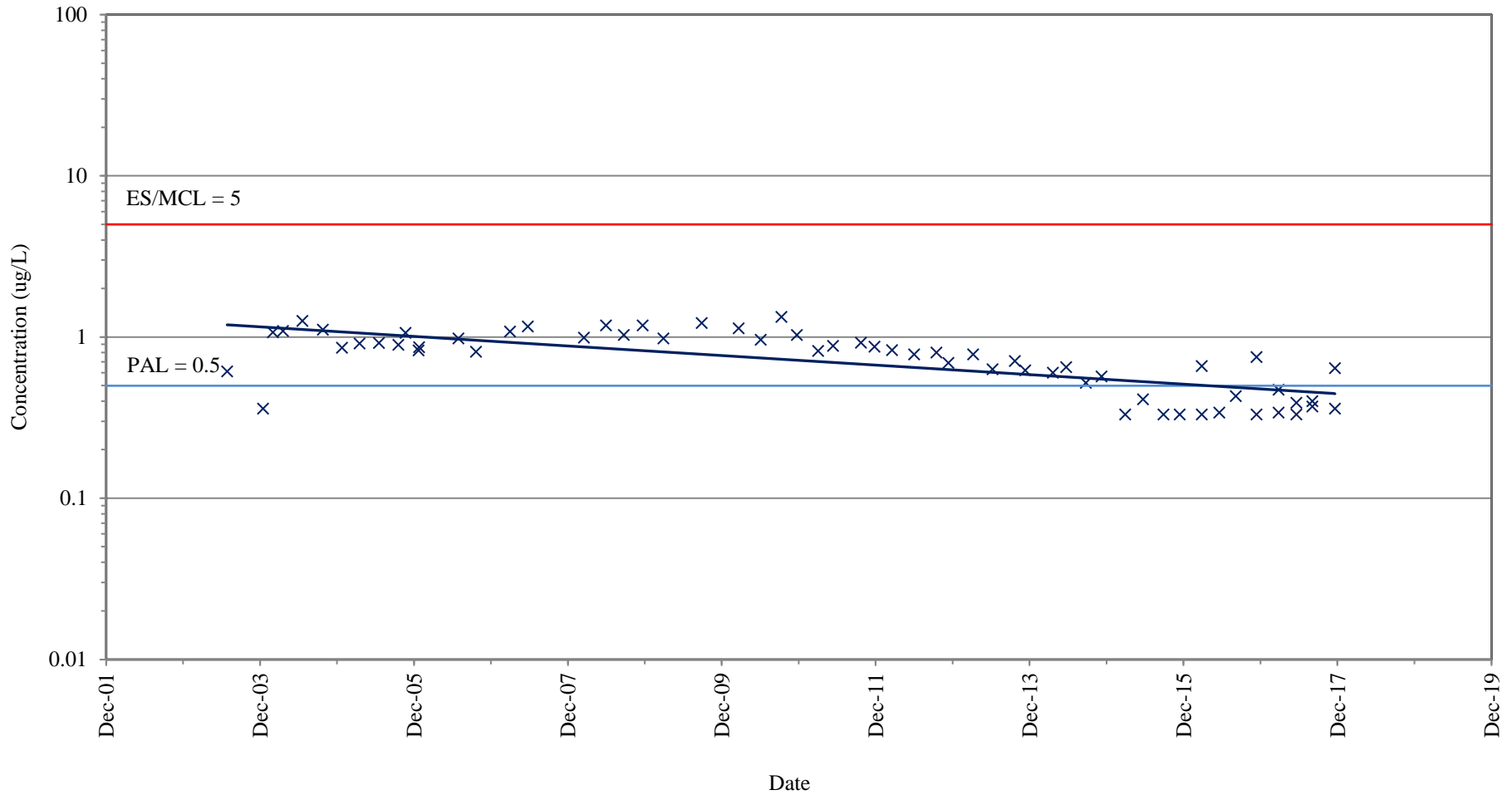
NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN



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)

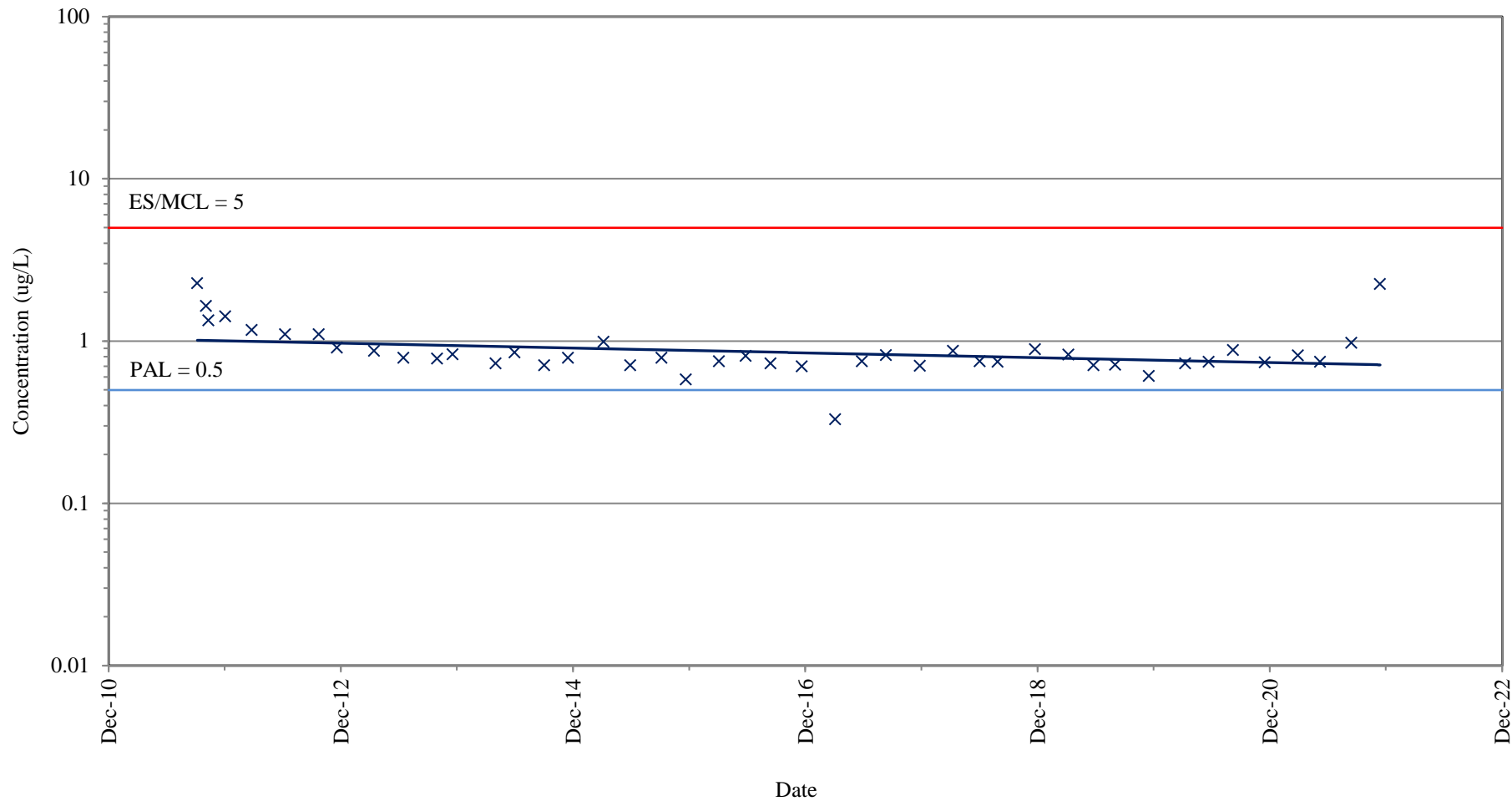
NATIONAL PRESTO INDUSTRIES, INC.
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Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS
EW-5 (GRID COORDINATE K7)

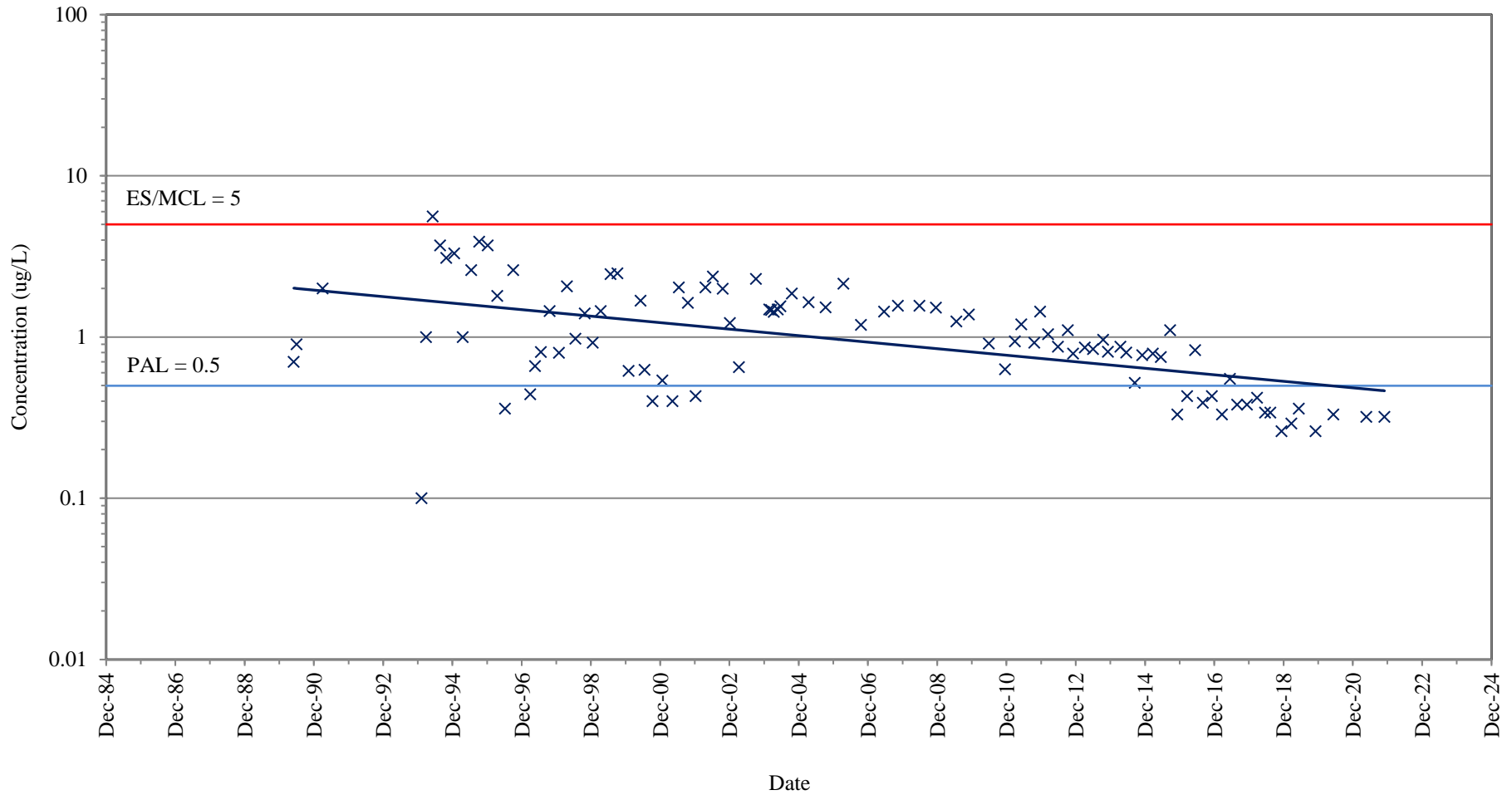
NATIONAL PRESTO INDUSTRIES, INC.
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Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

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

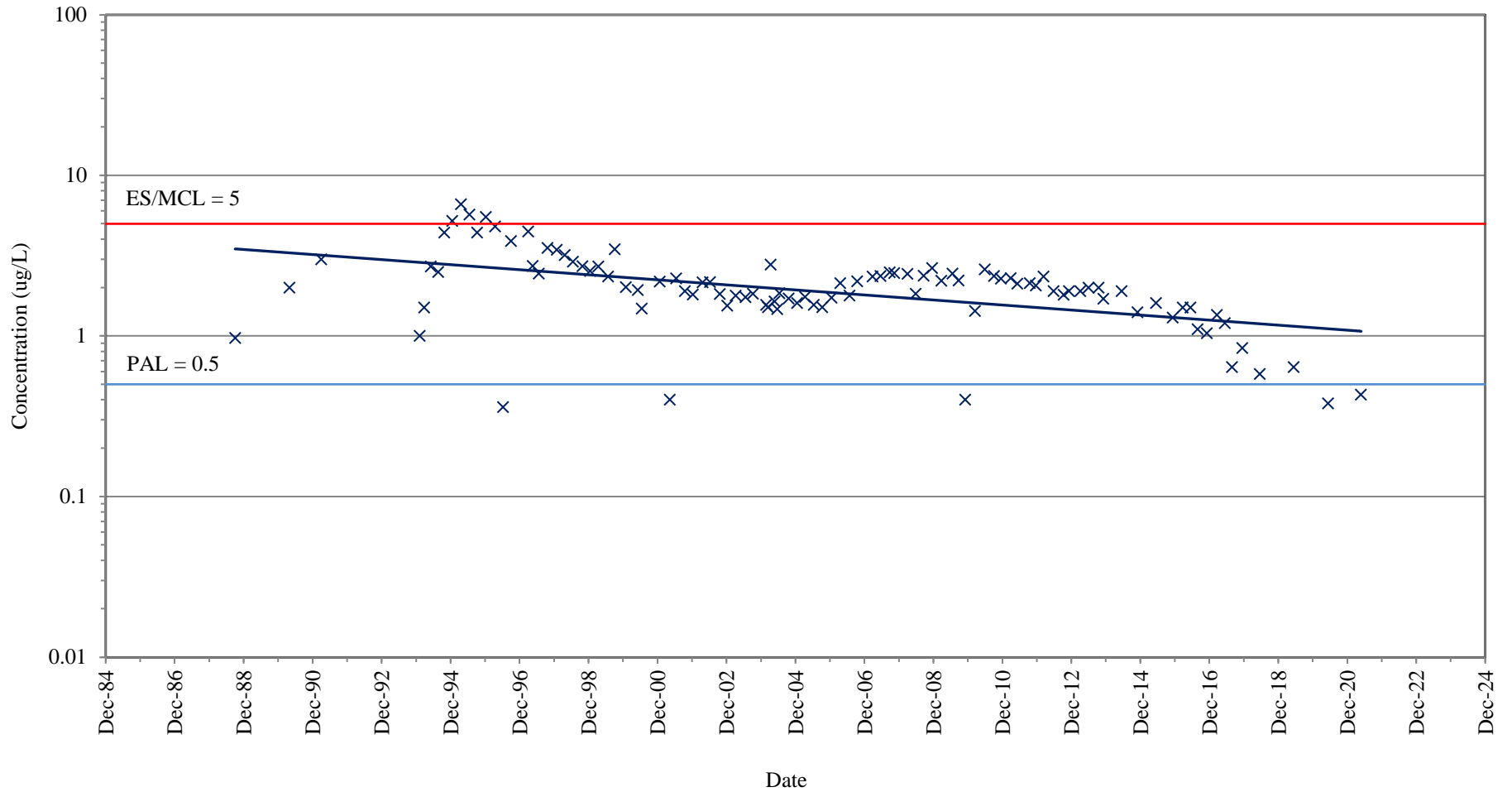
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Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS
MW-4B (GRID COORDINATE K7)

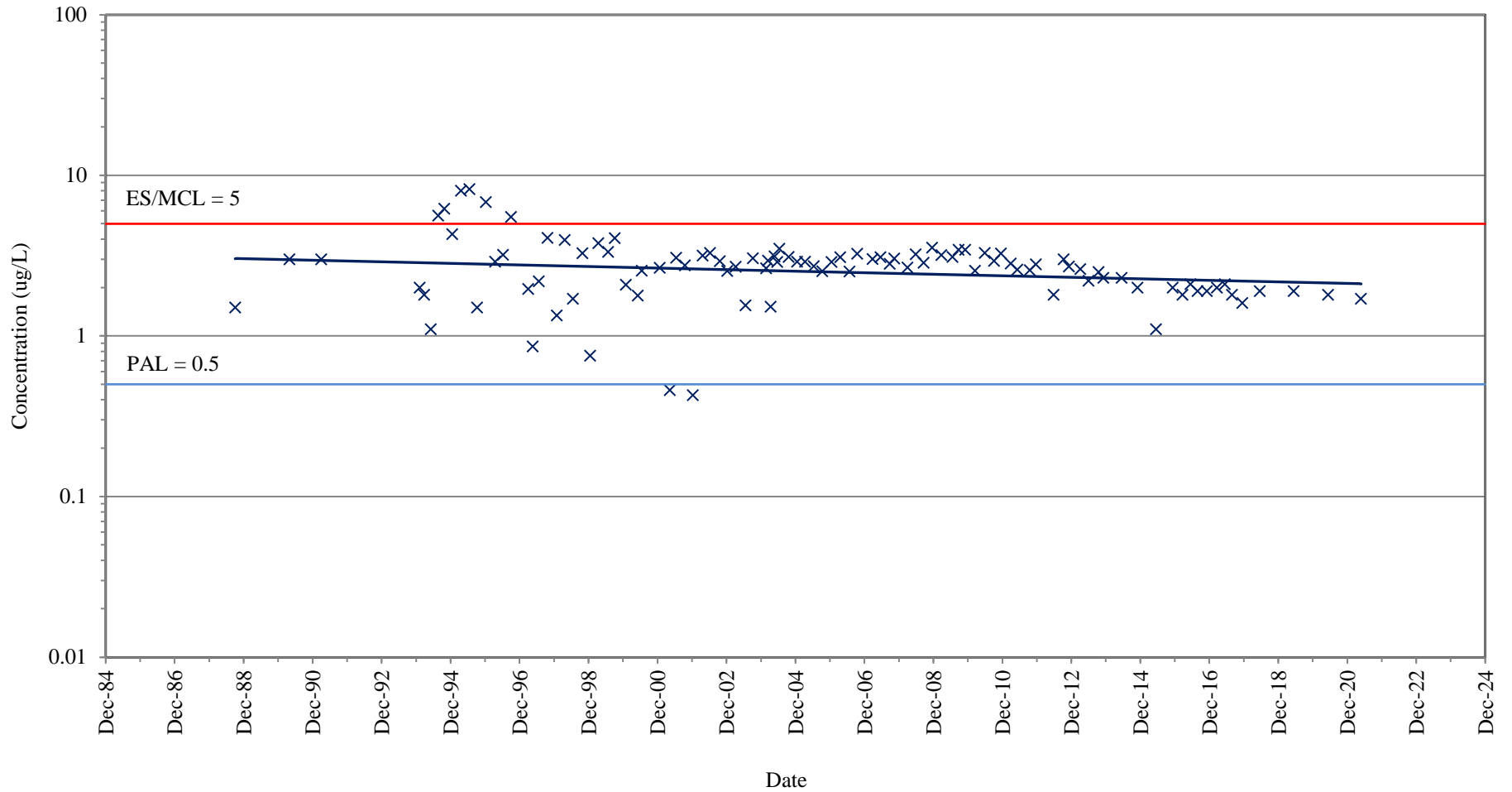
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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

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

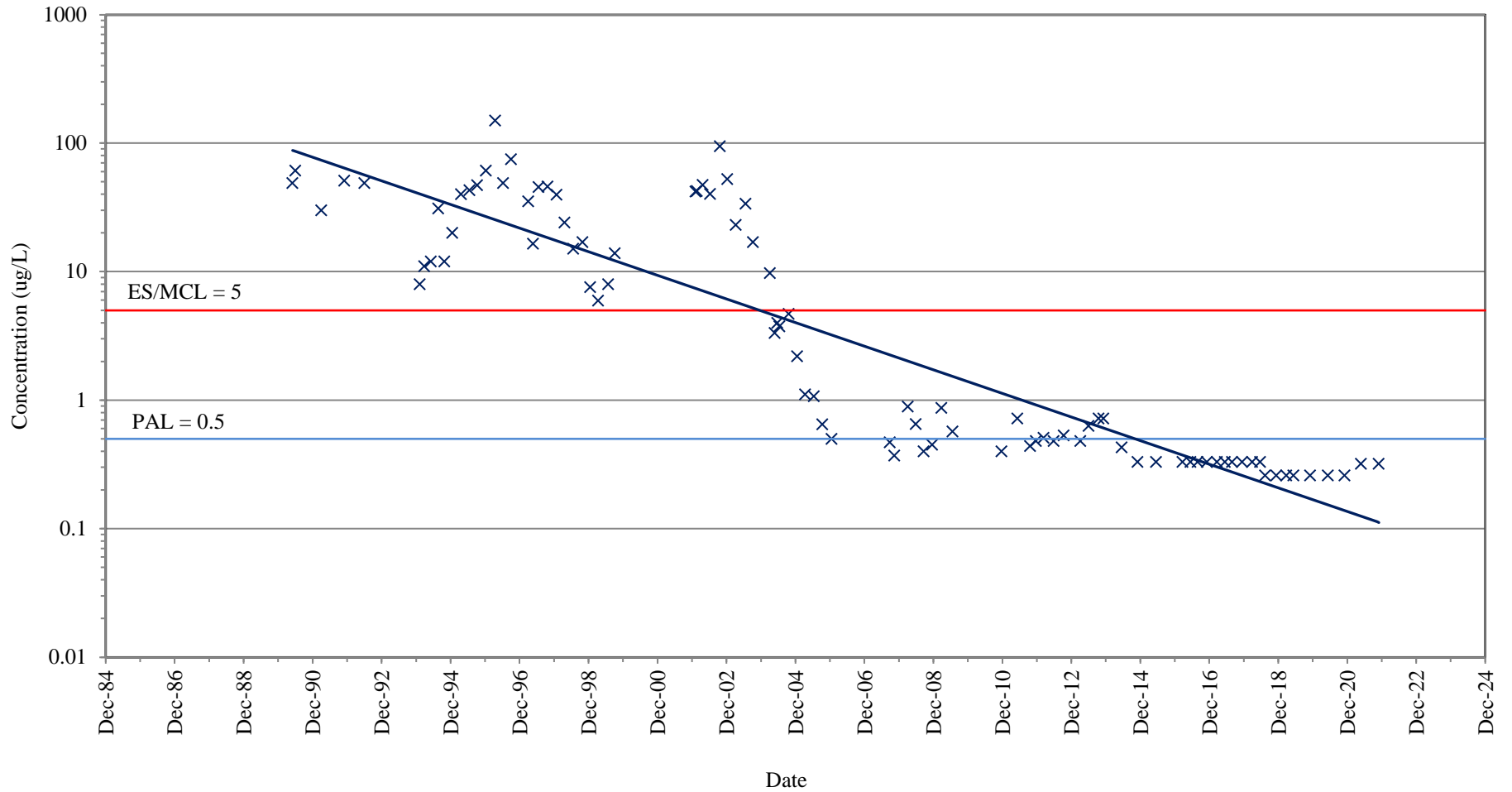
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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

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

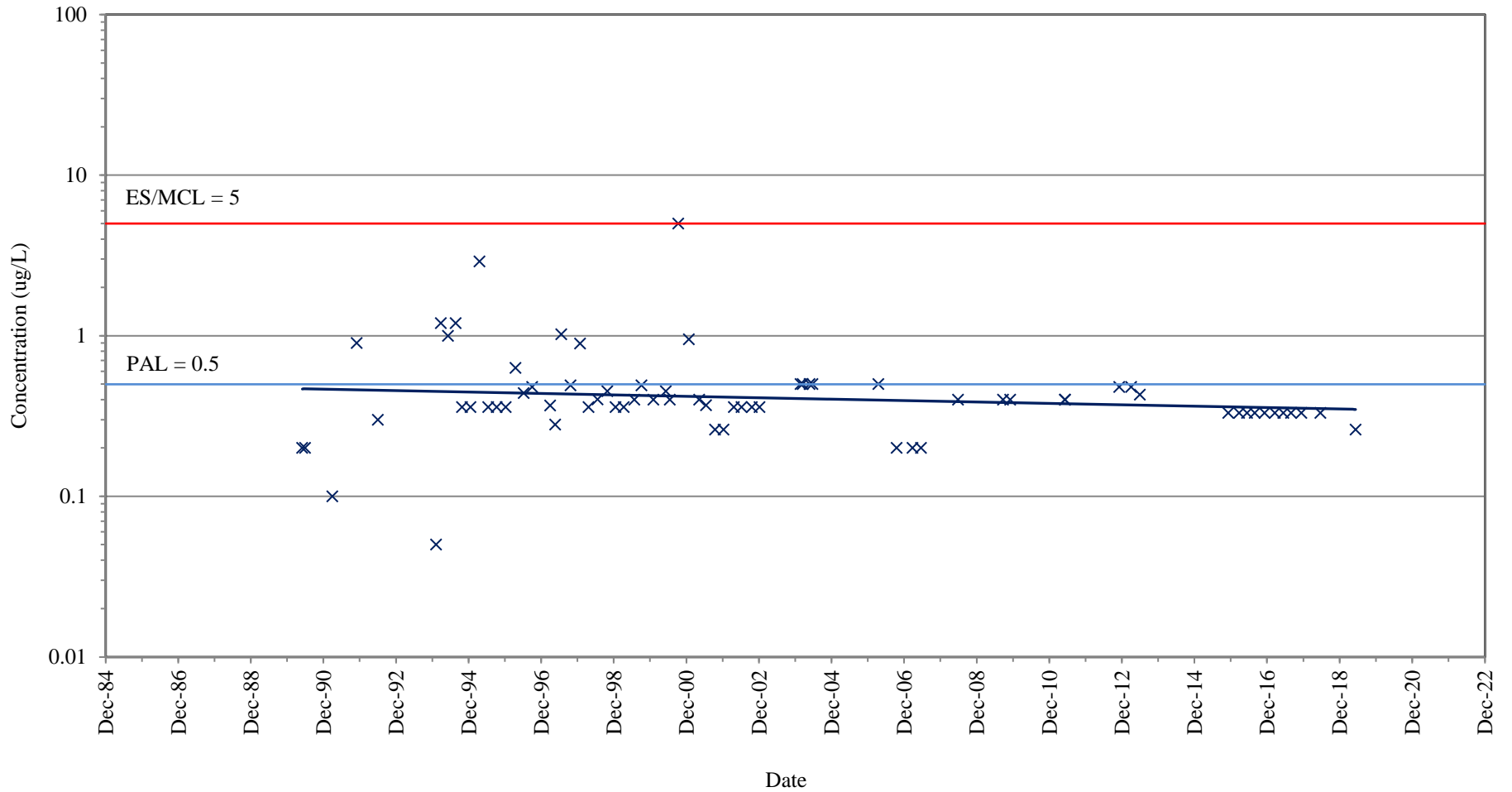
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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

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

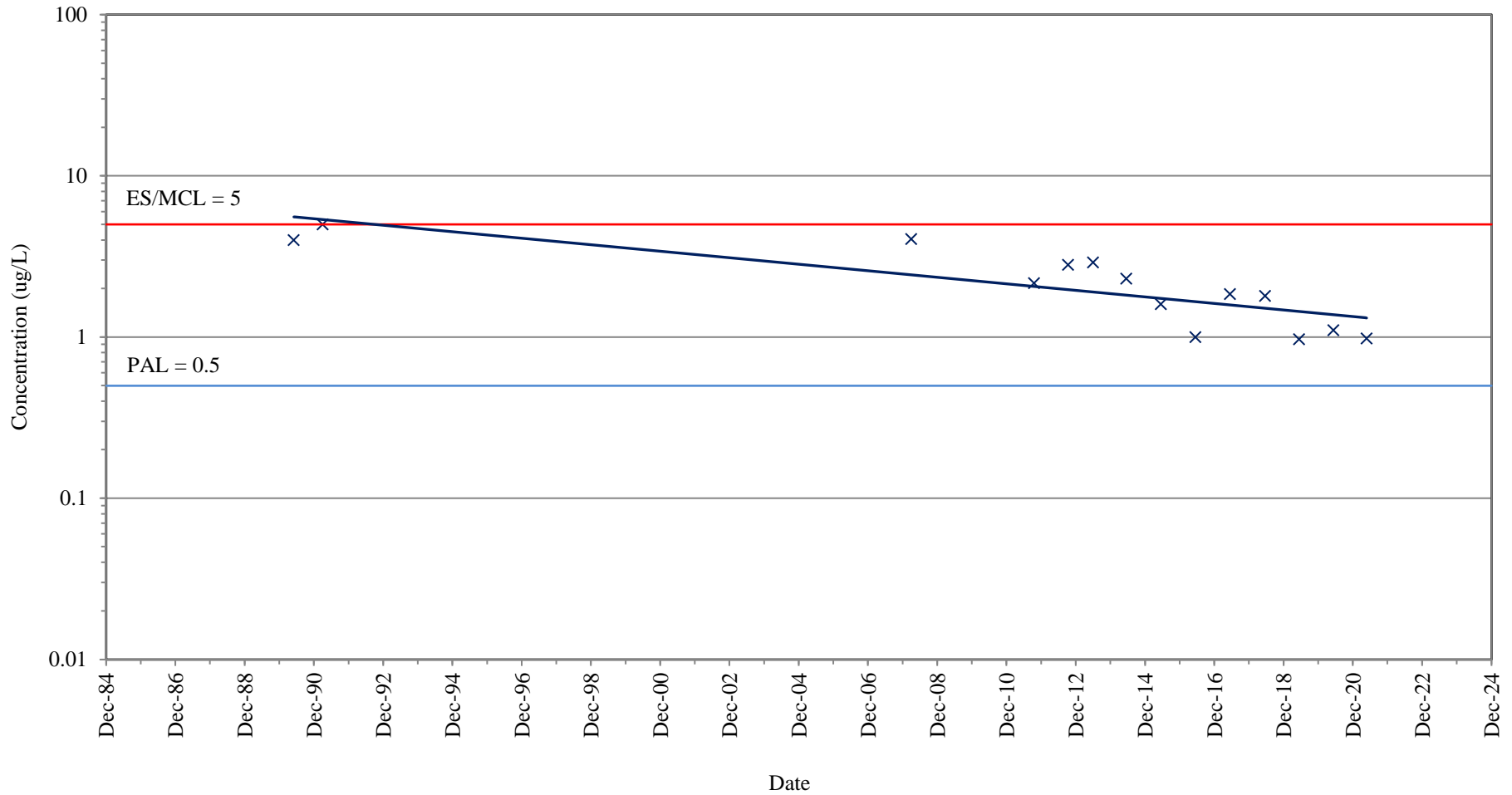
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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

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

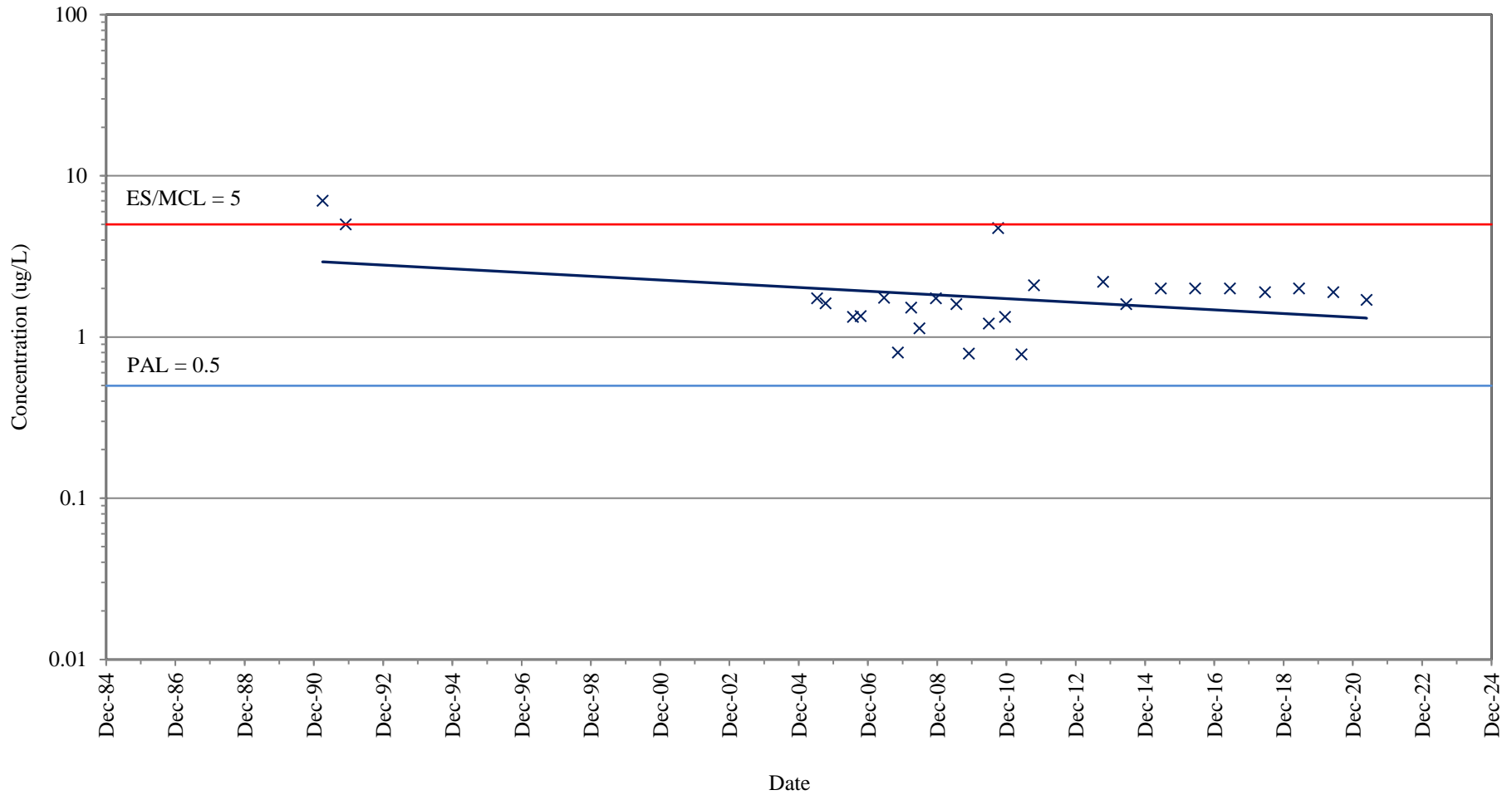
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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

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

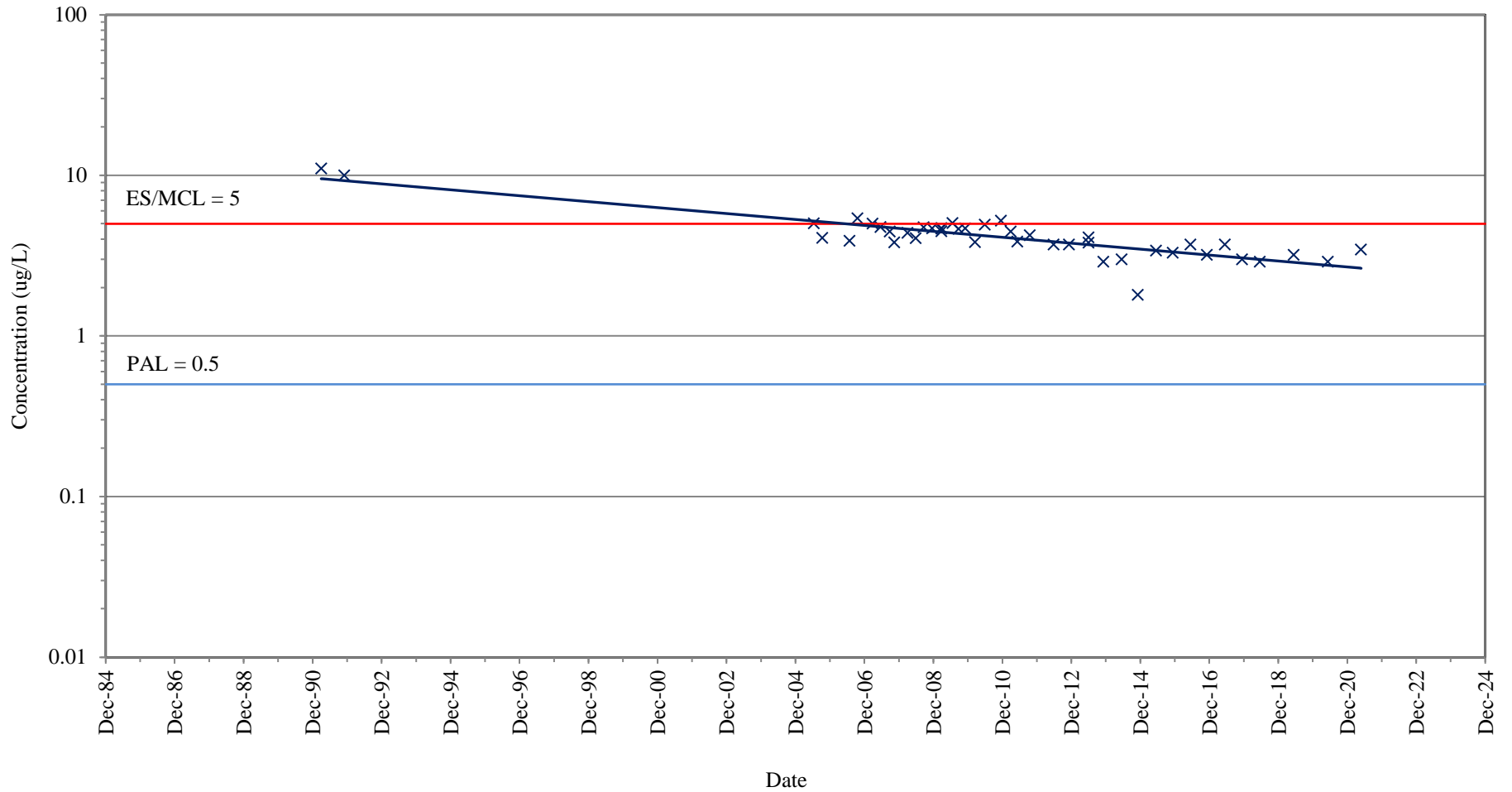
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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

PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS
MW-38A (GRID COORDINATE I8)

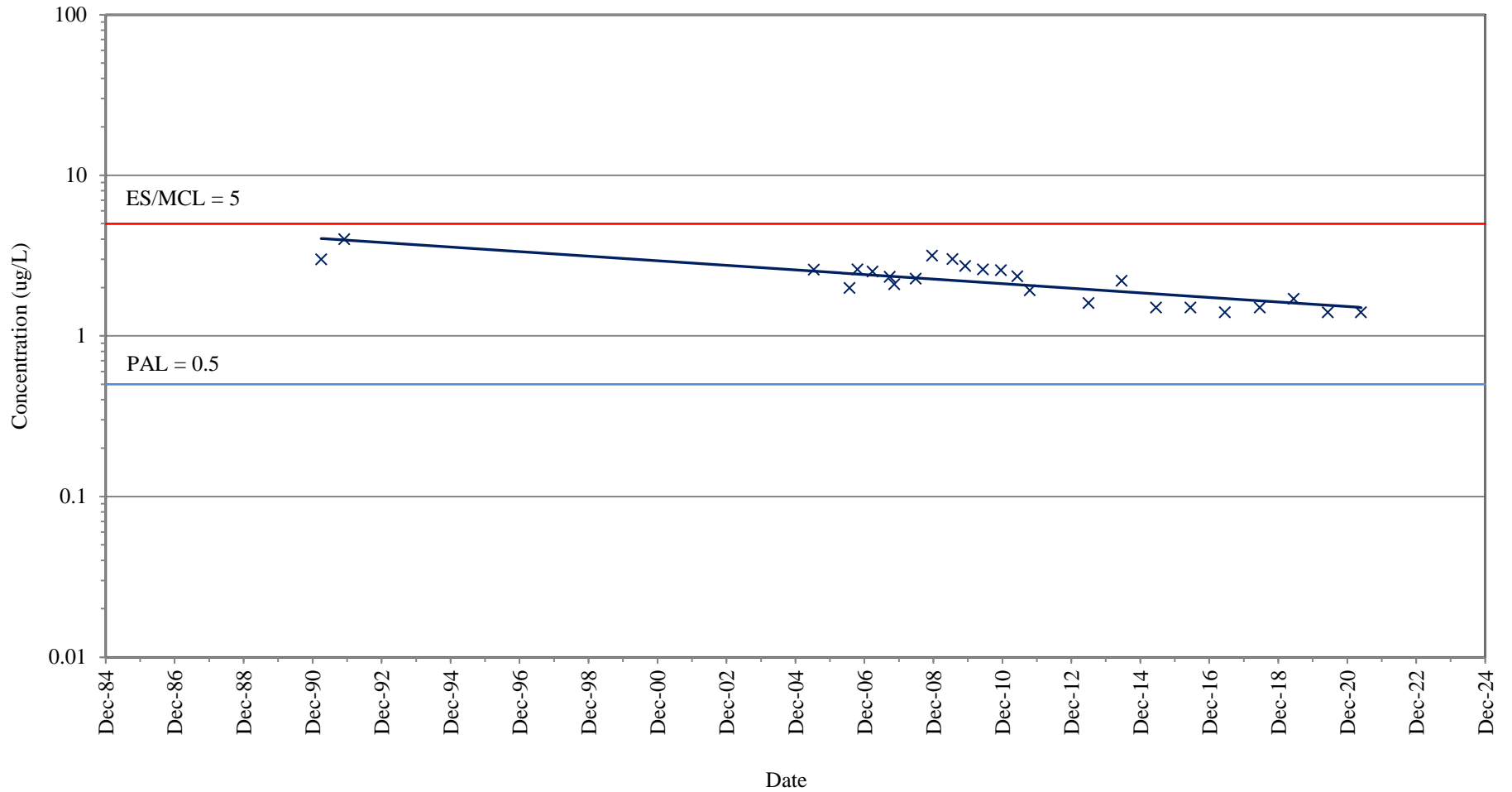
NATIONAL PRESTO INDUSTRIES, INC.
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Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS
MW-38B (GRID COORDINATE I8)

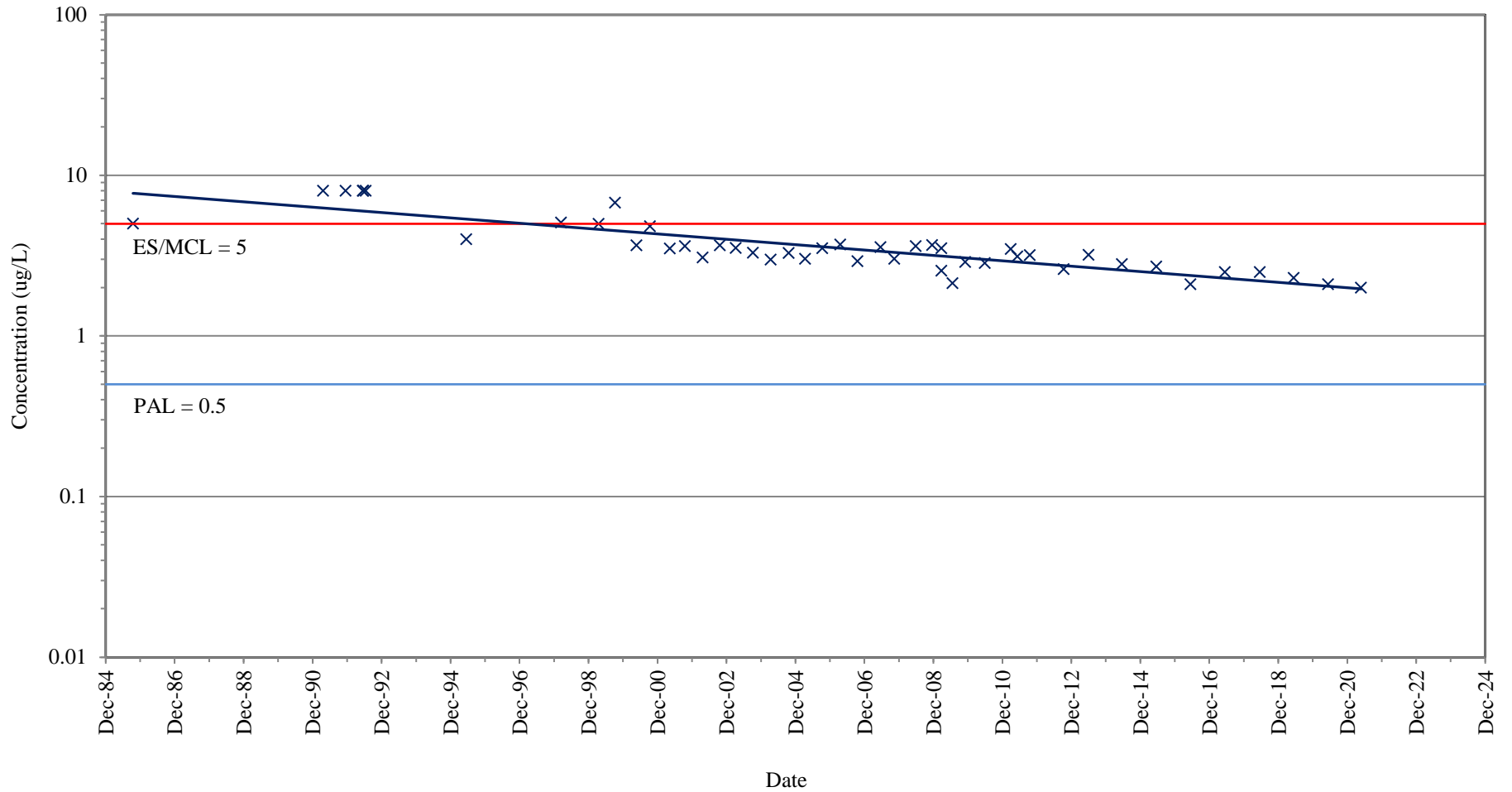
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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)

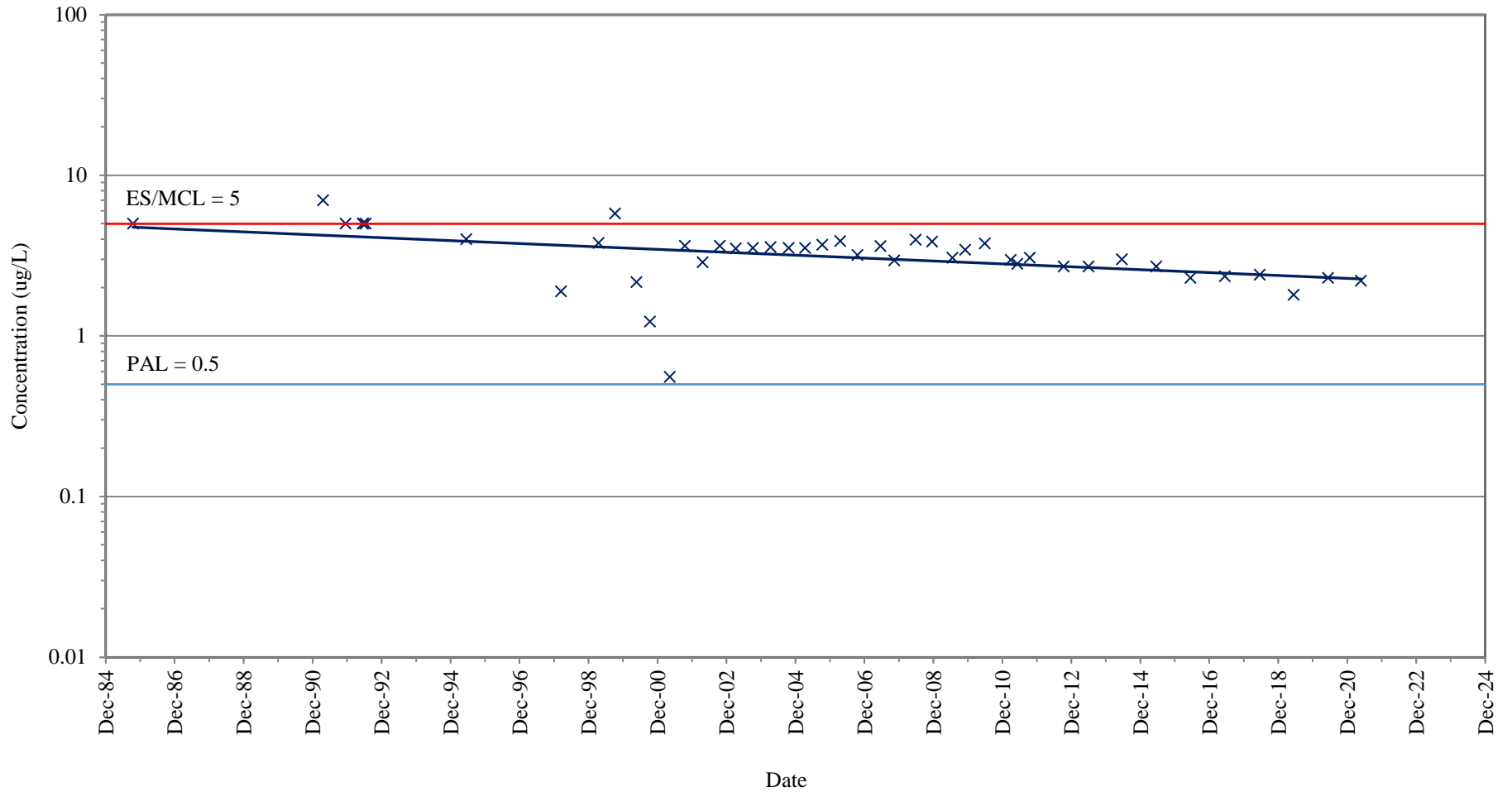
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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)

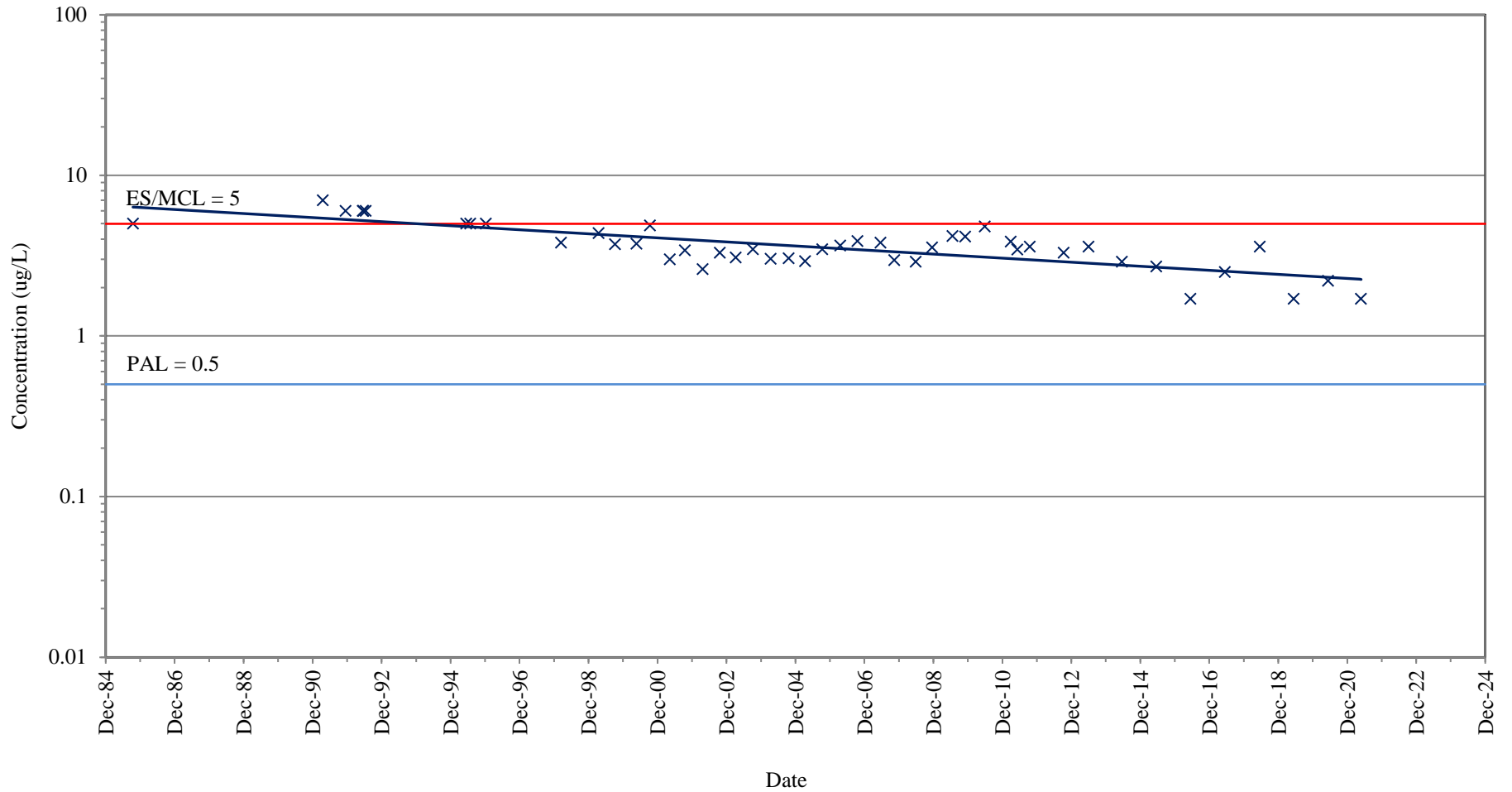
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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)

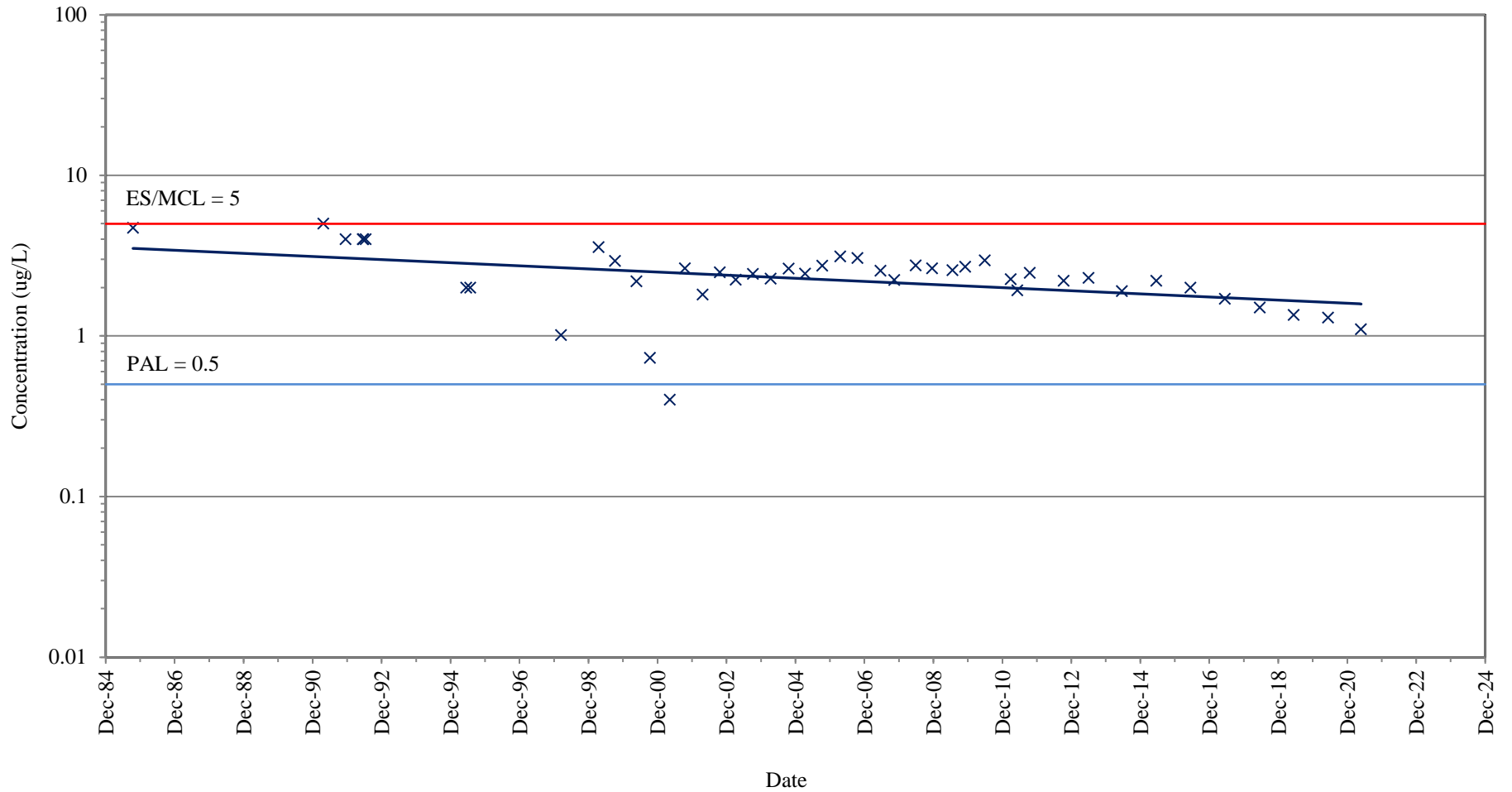
NATIONAL PRESTO INDUSTRIES, INC.
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Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

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

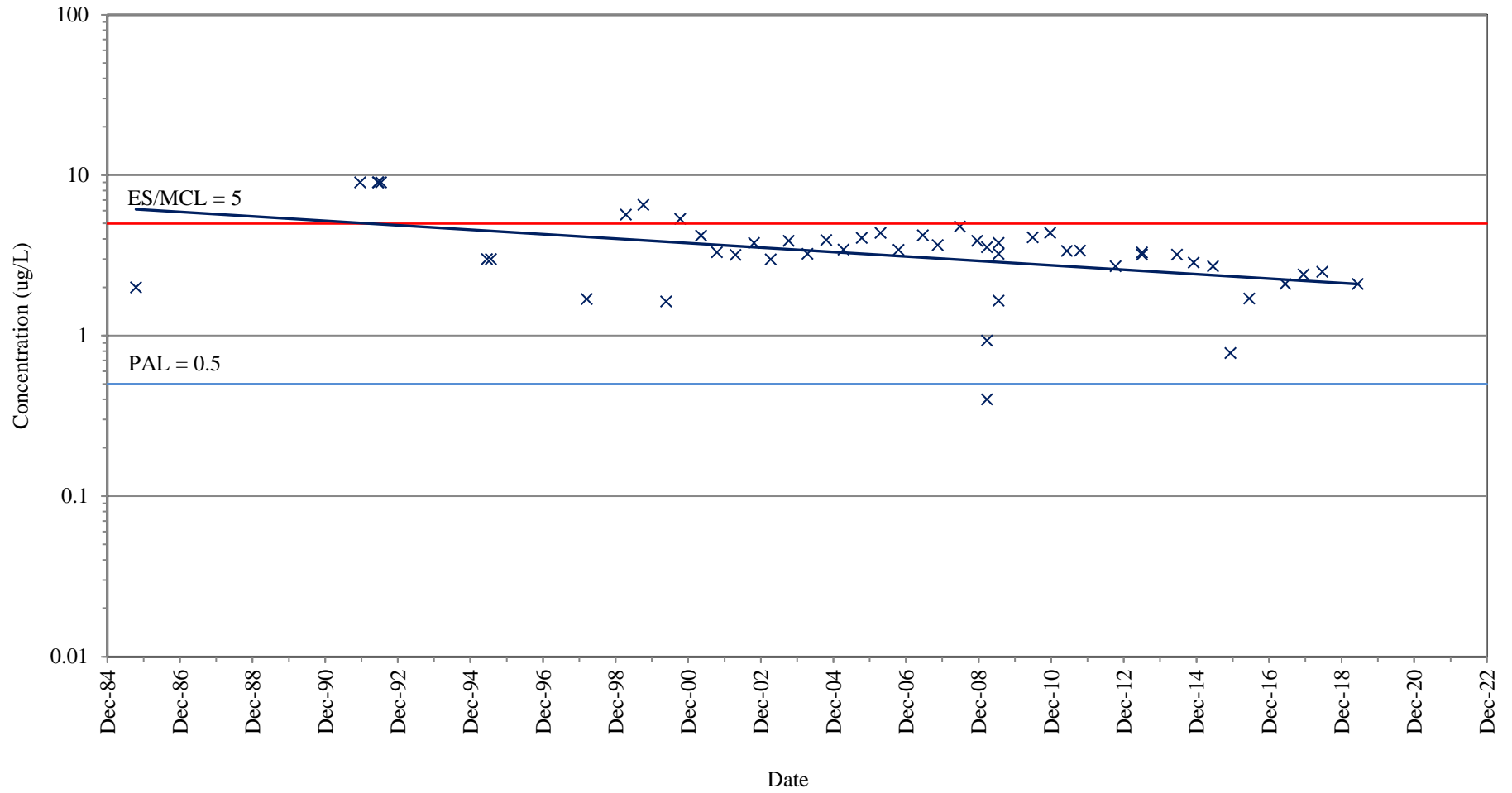
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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)

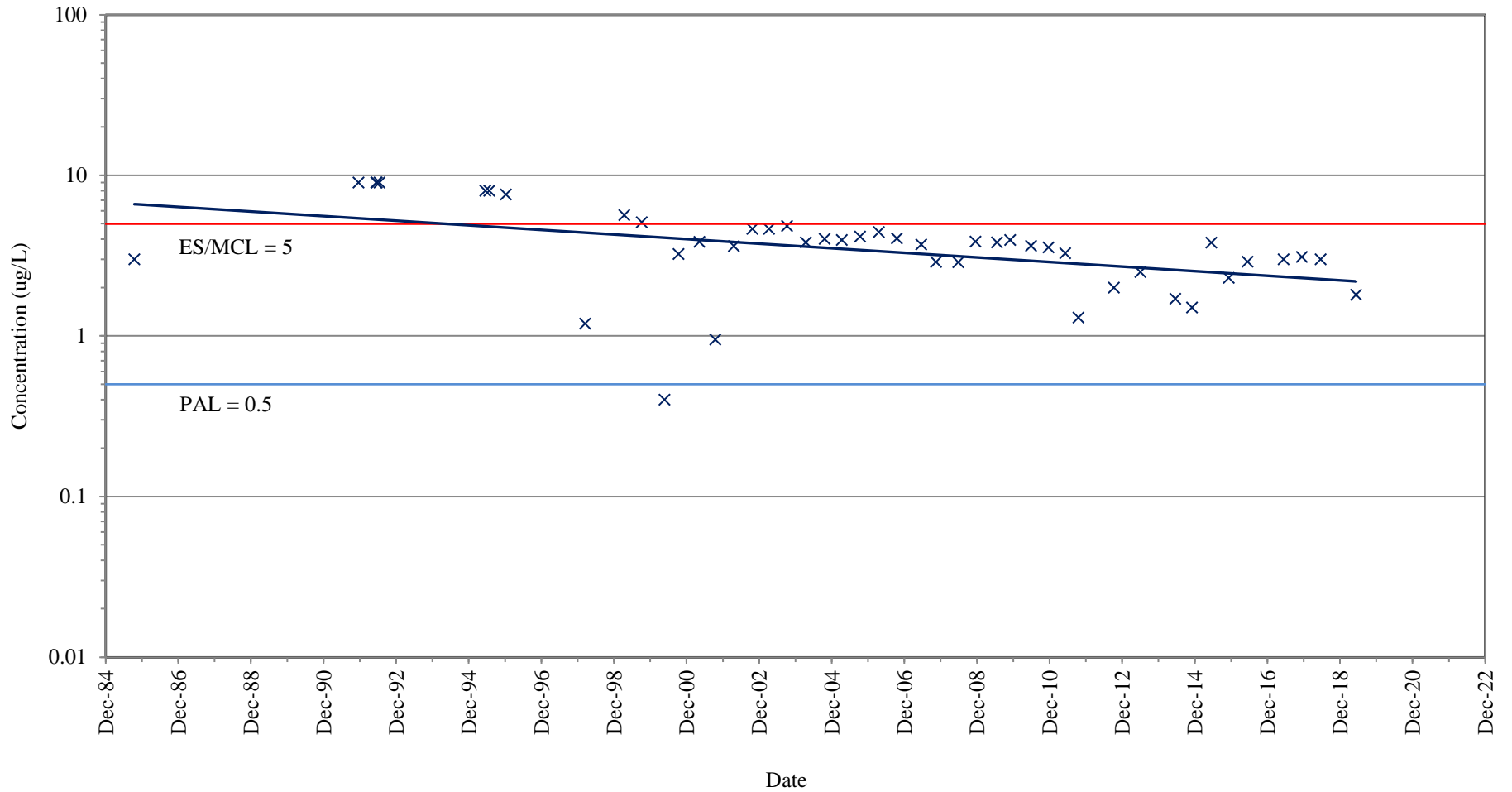
NATIONAL PRESTO INDUSTRIES, INC.
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Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS
MW-45B (GRID COORDINATE F6)

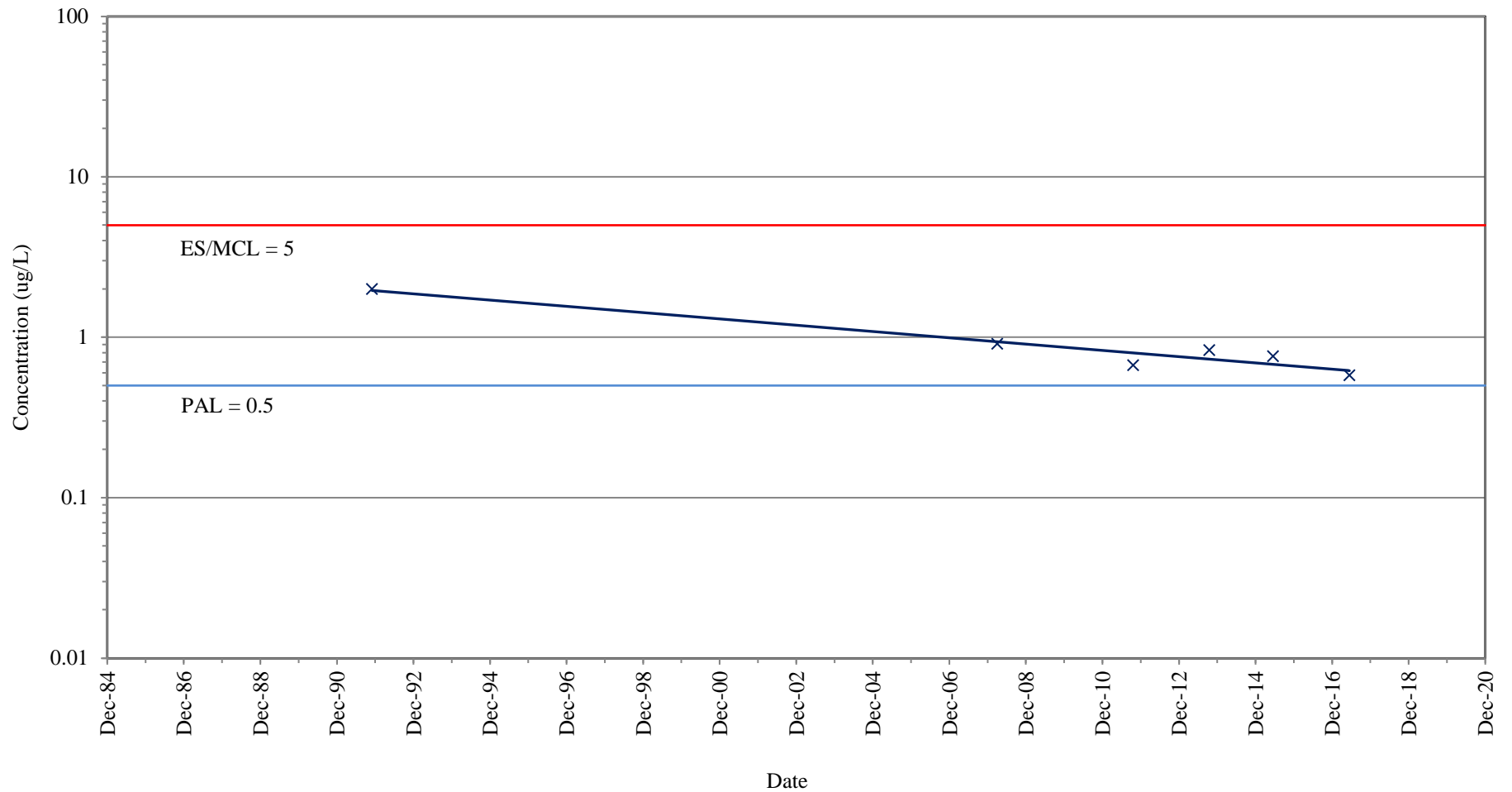
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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

PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS
MW-45C (GRID COORDINATE F6)

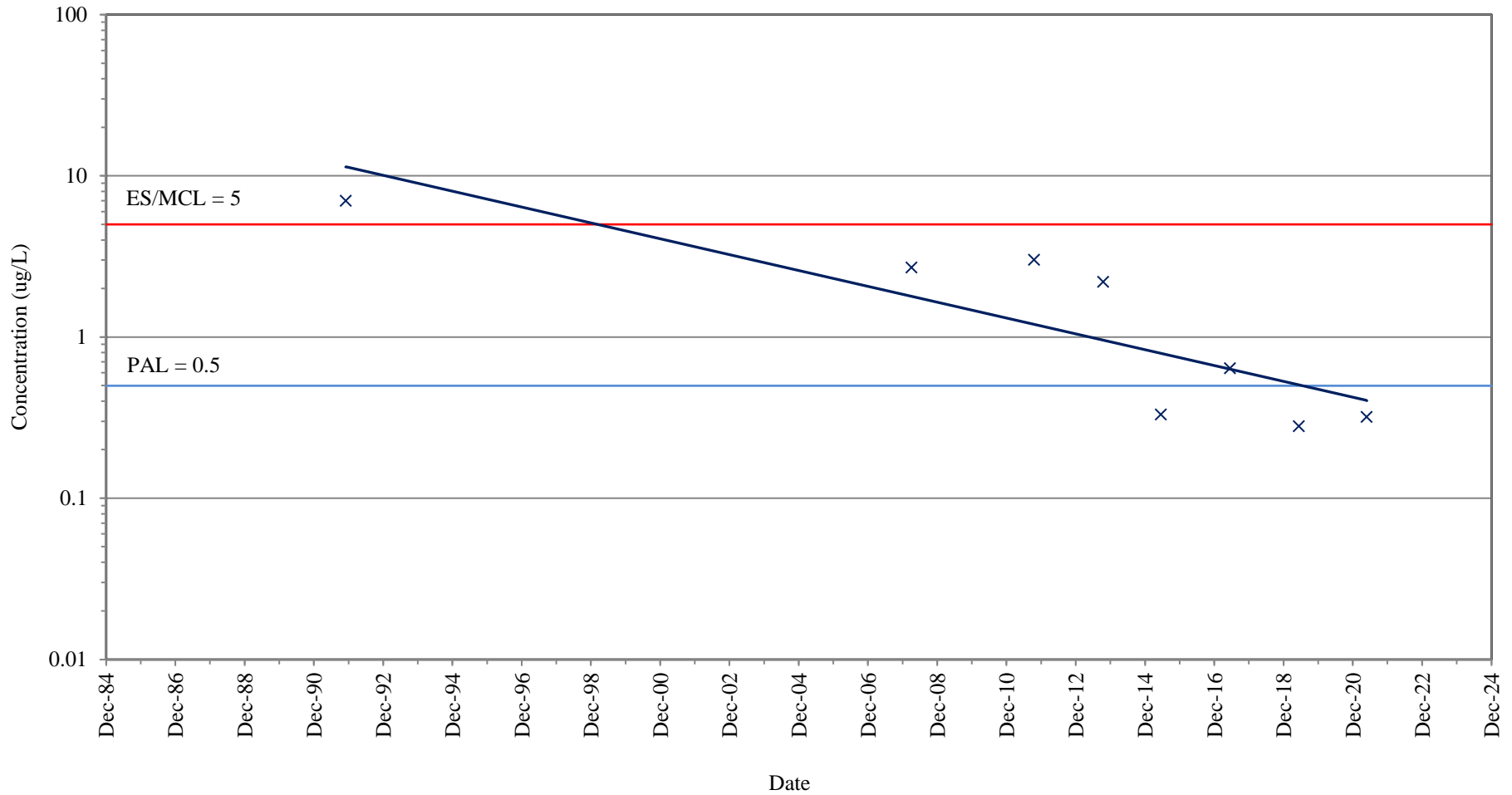
NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN



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

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

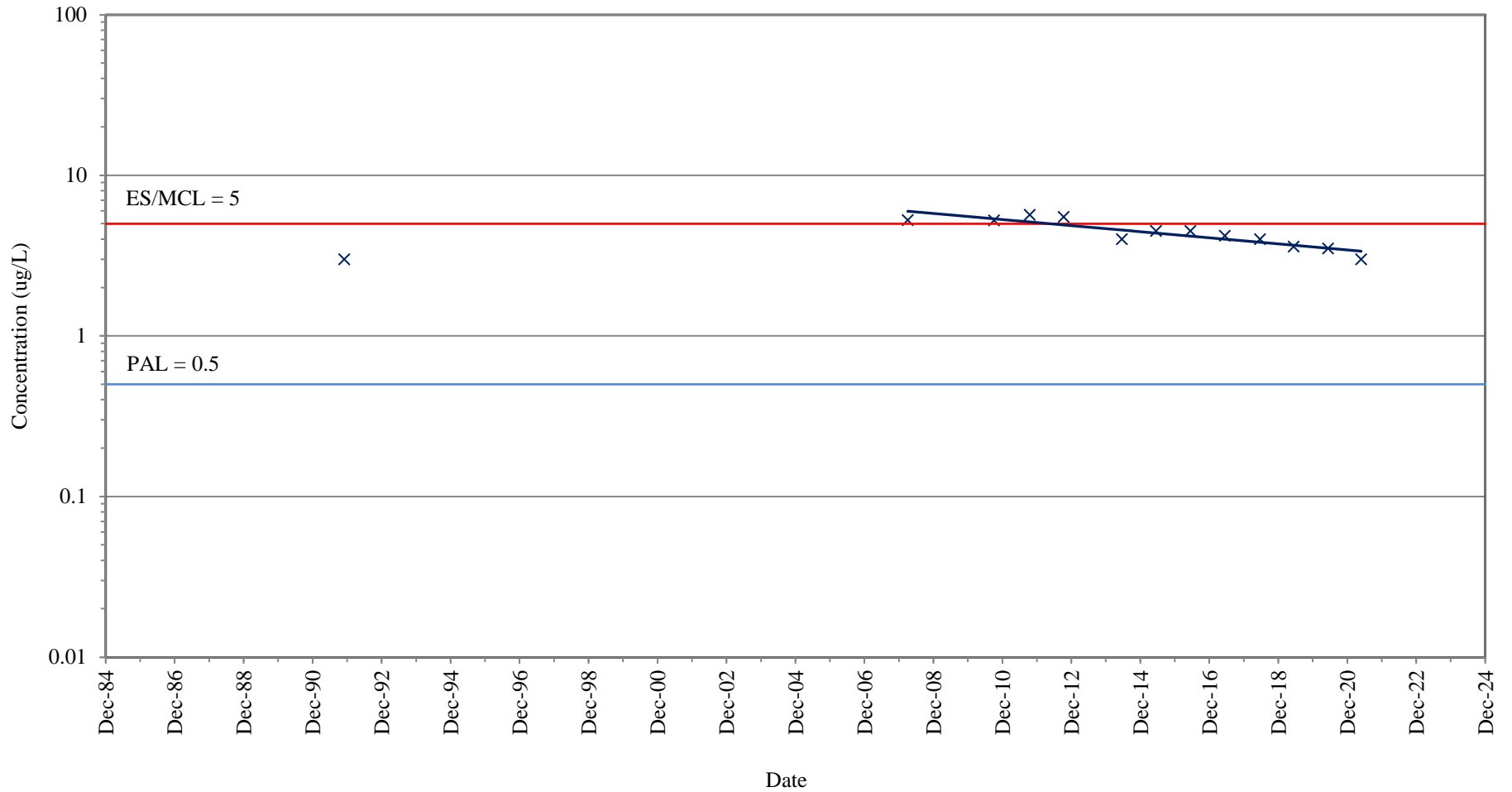
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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

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

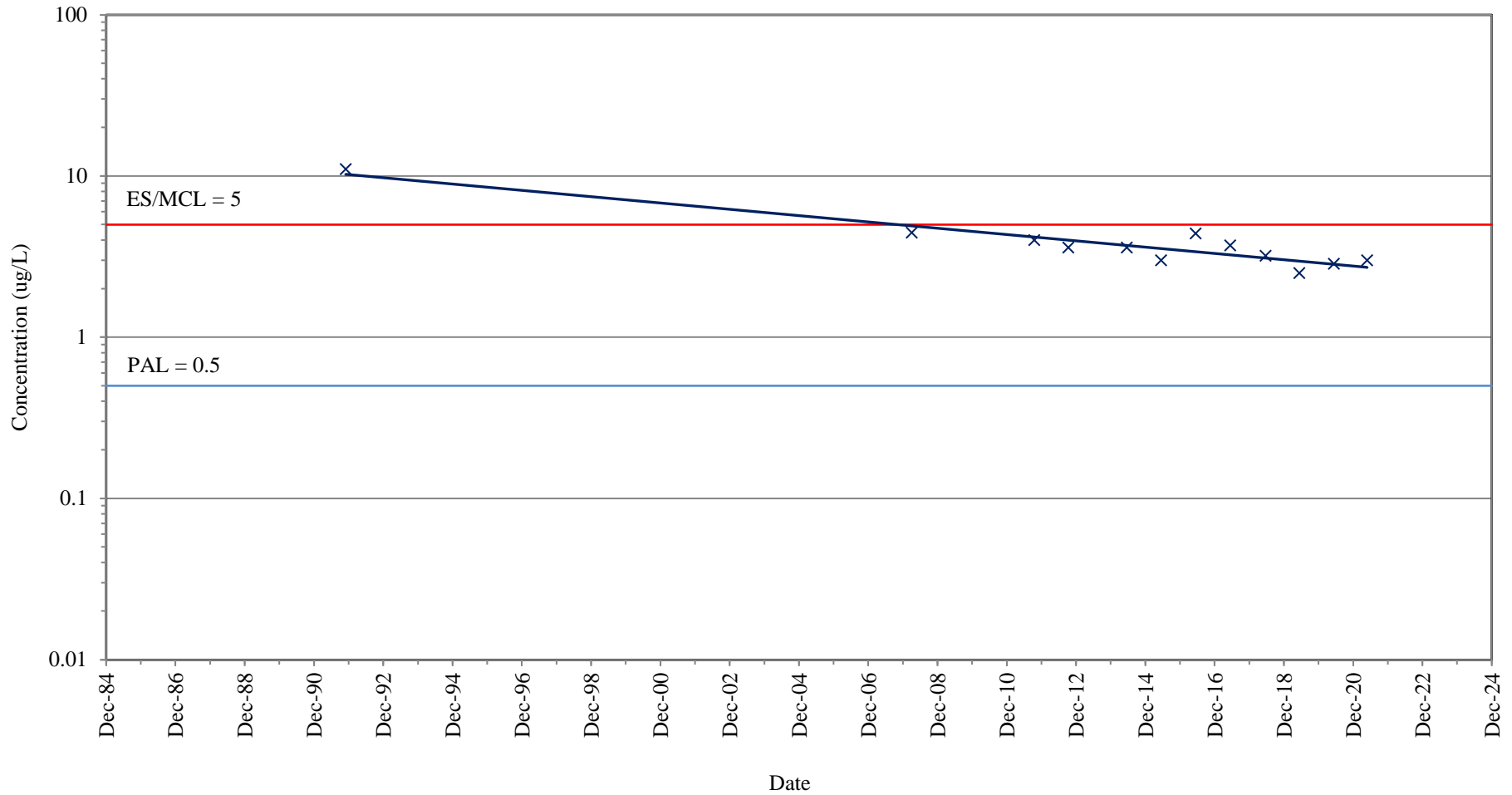
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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

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

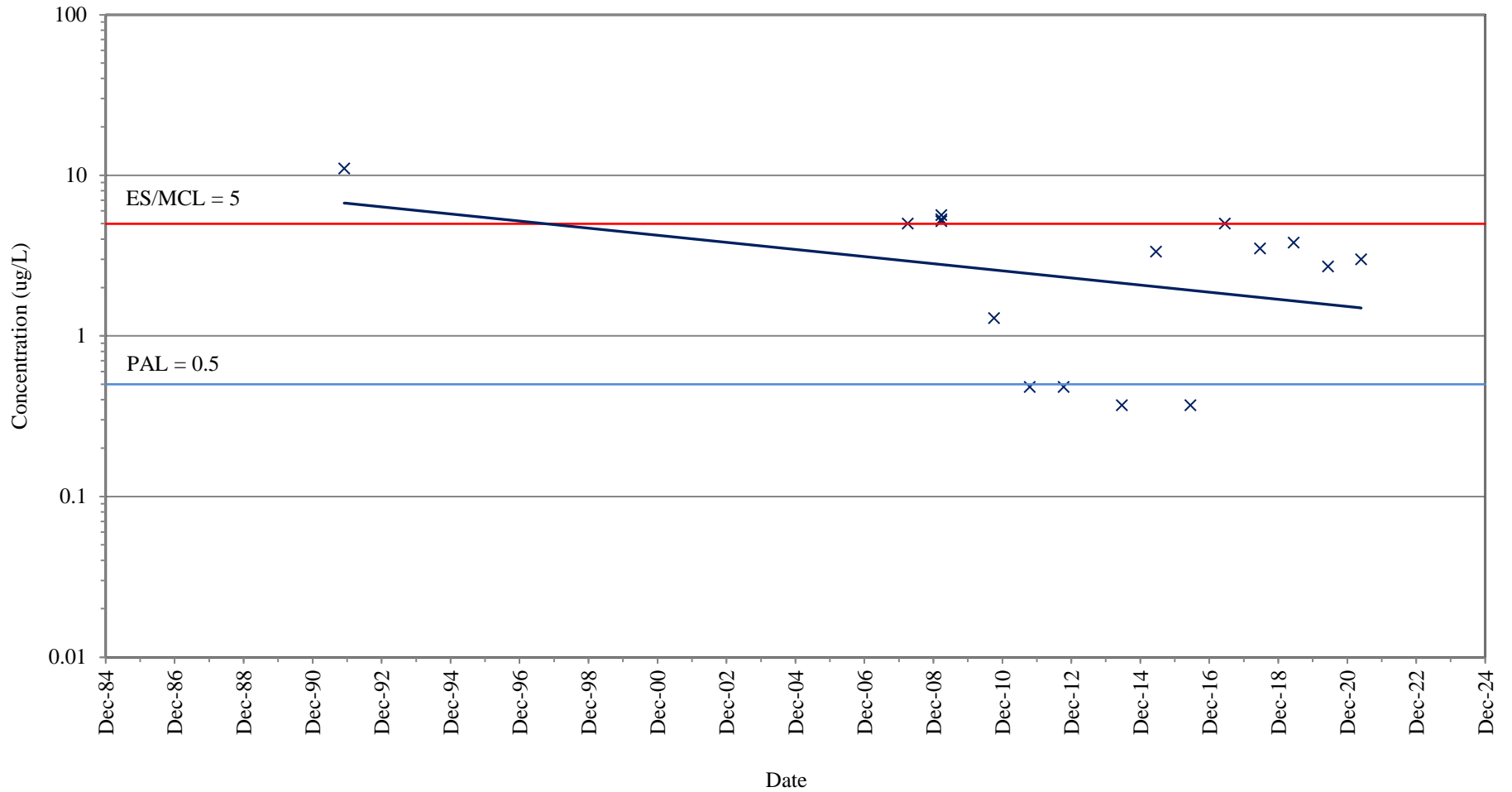
NATIONAL PRESTO INDUSTRIES, INC.
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Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

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

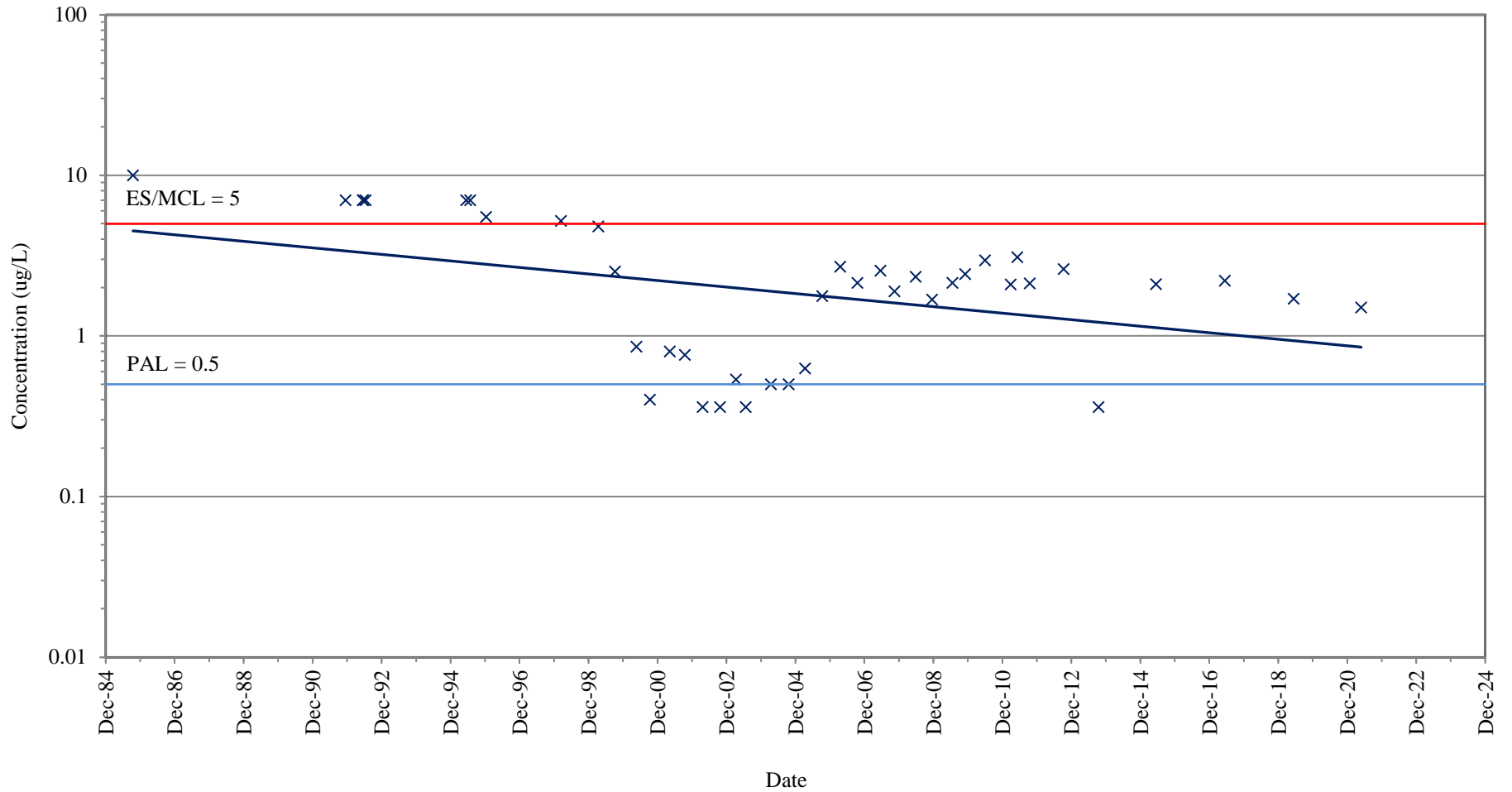
NATIONAL PRESTO INDUSTRIES, INC.
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Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

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

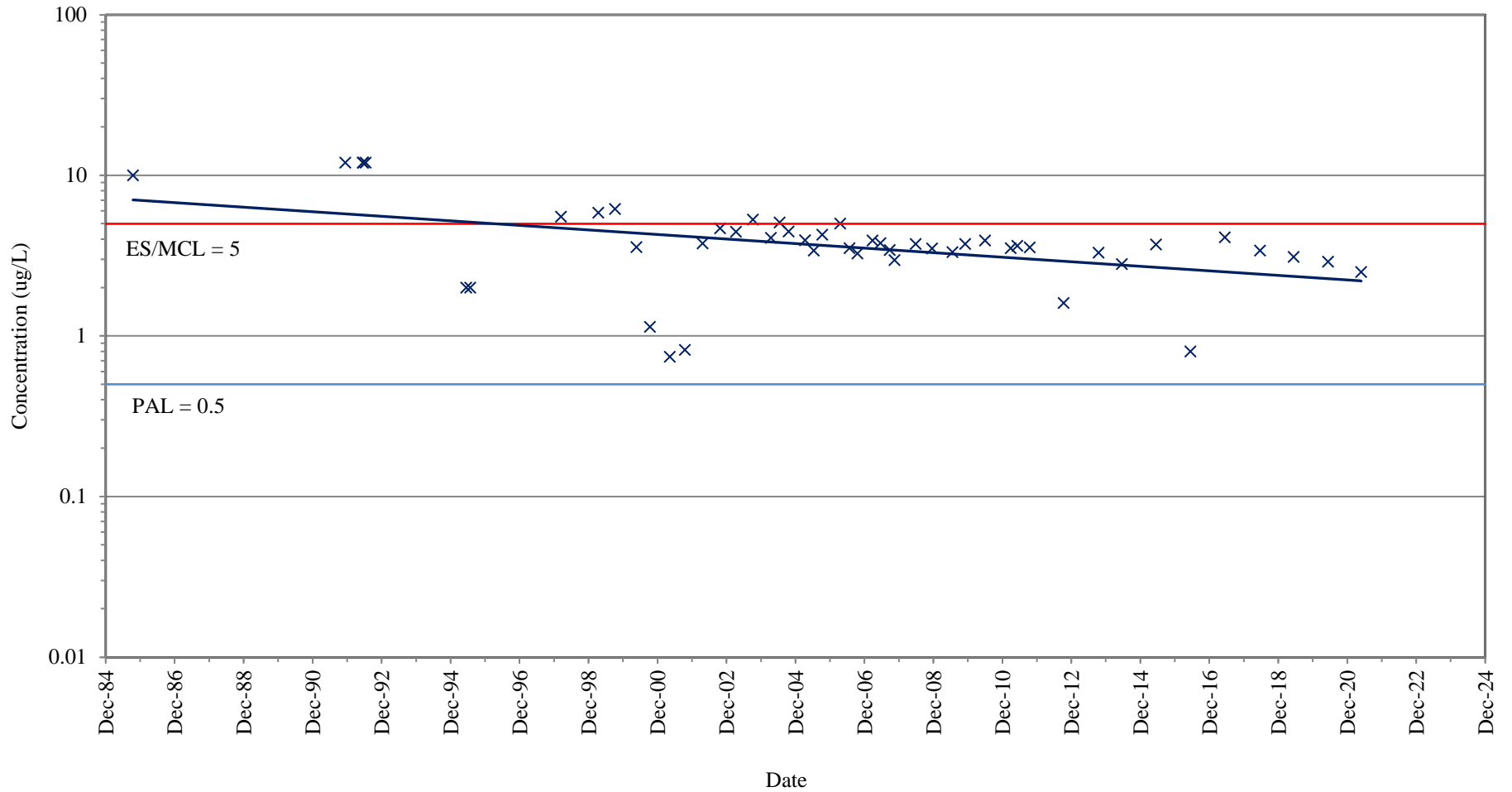
NATIONAL PRESTO INDUSTRIES, INC.
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Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS
MW-53A (GRID COORDINATE E6)

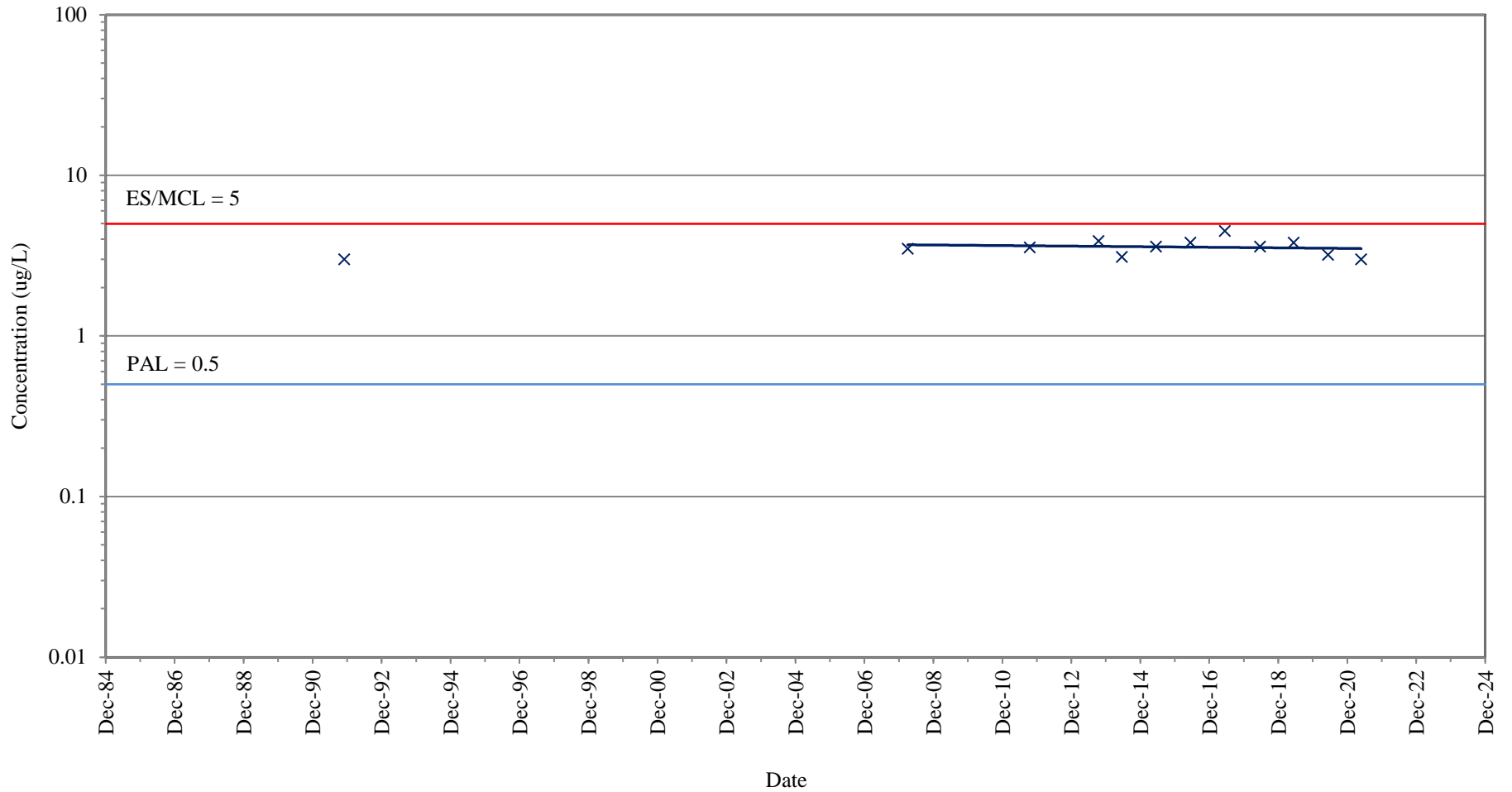
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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)

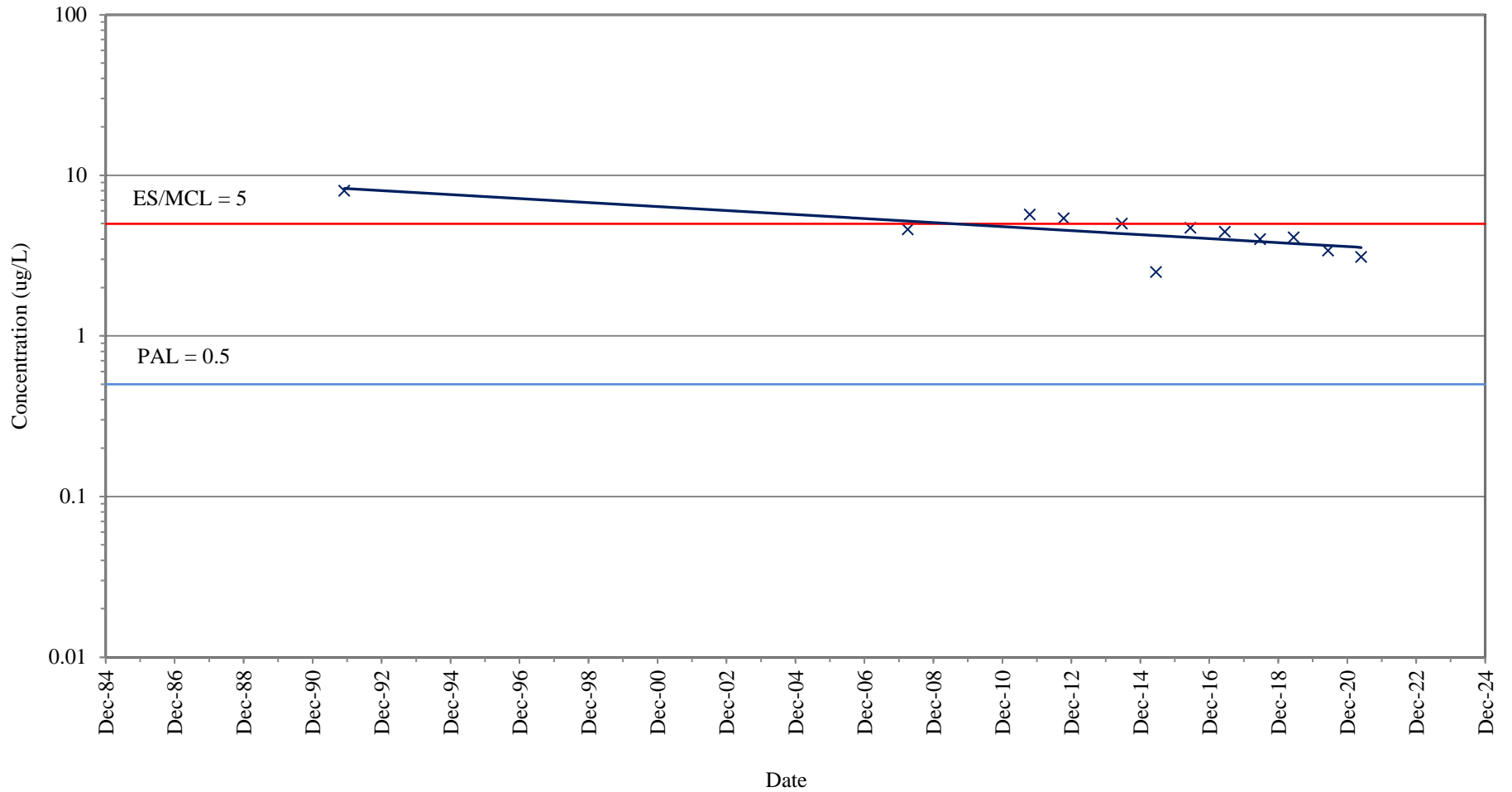
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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)

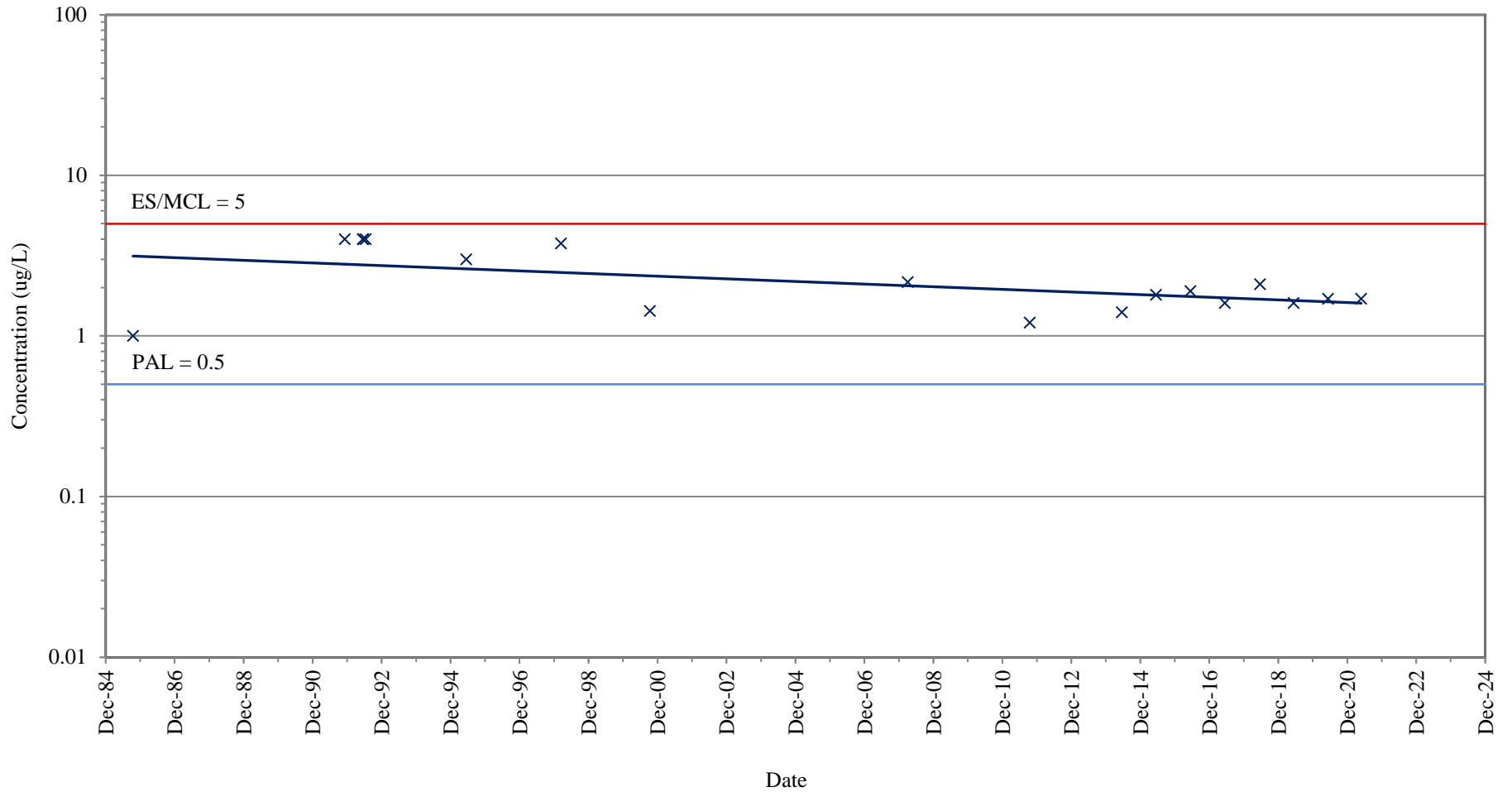
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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)

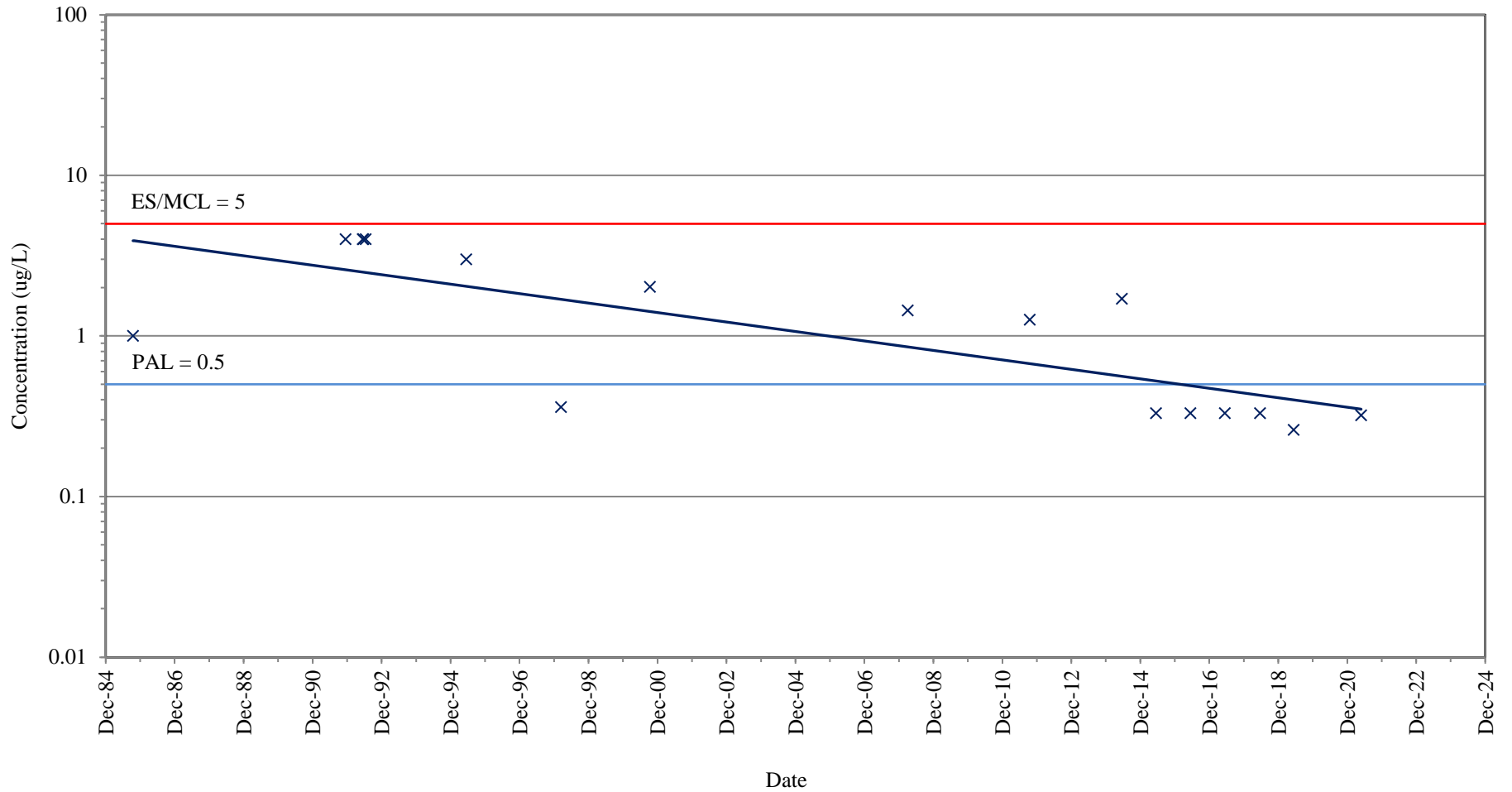
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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)

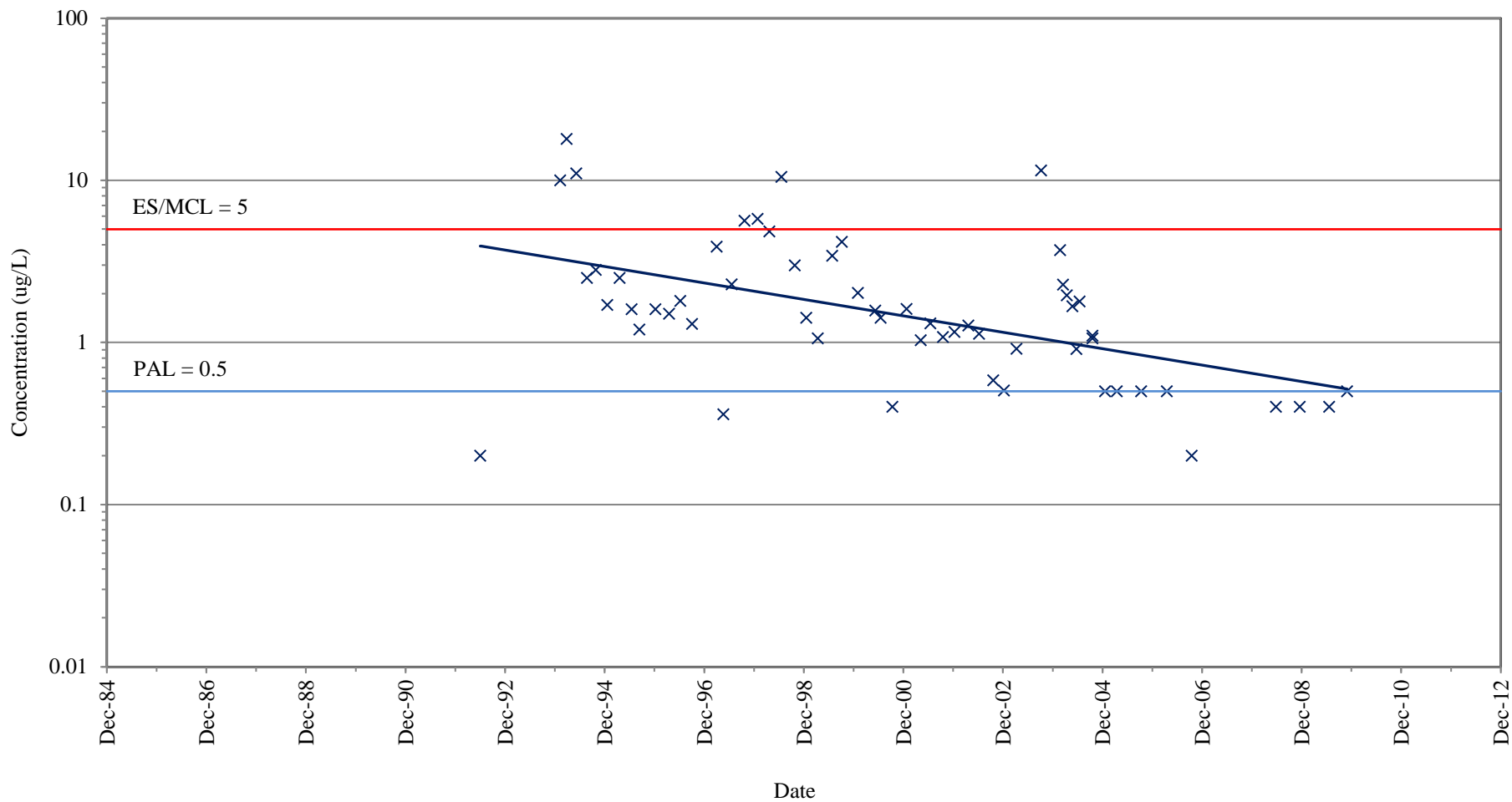
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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)

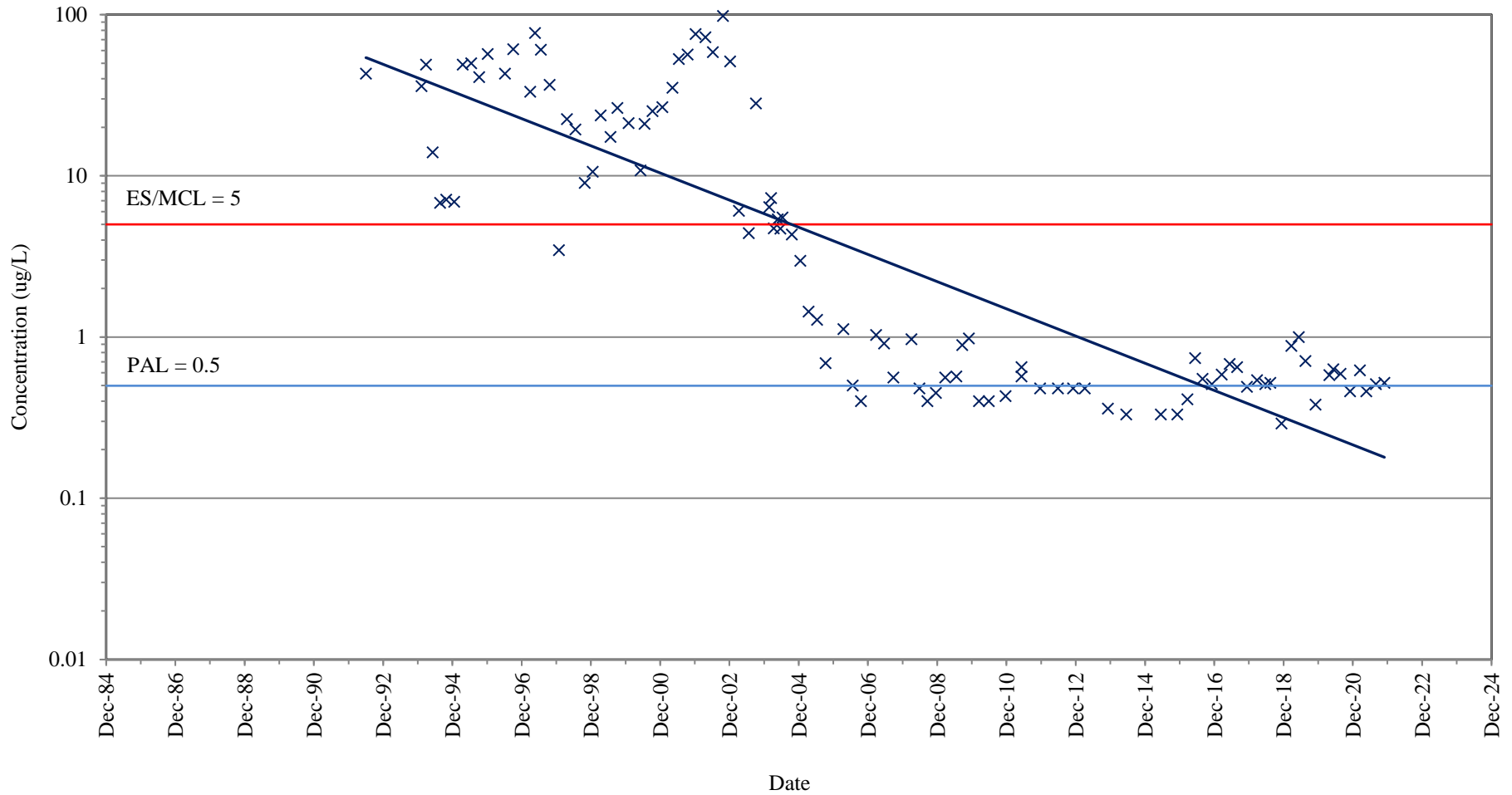
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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)

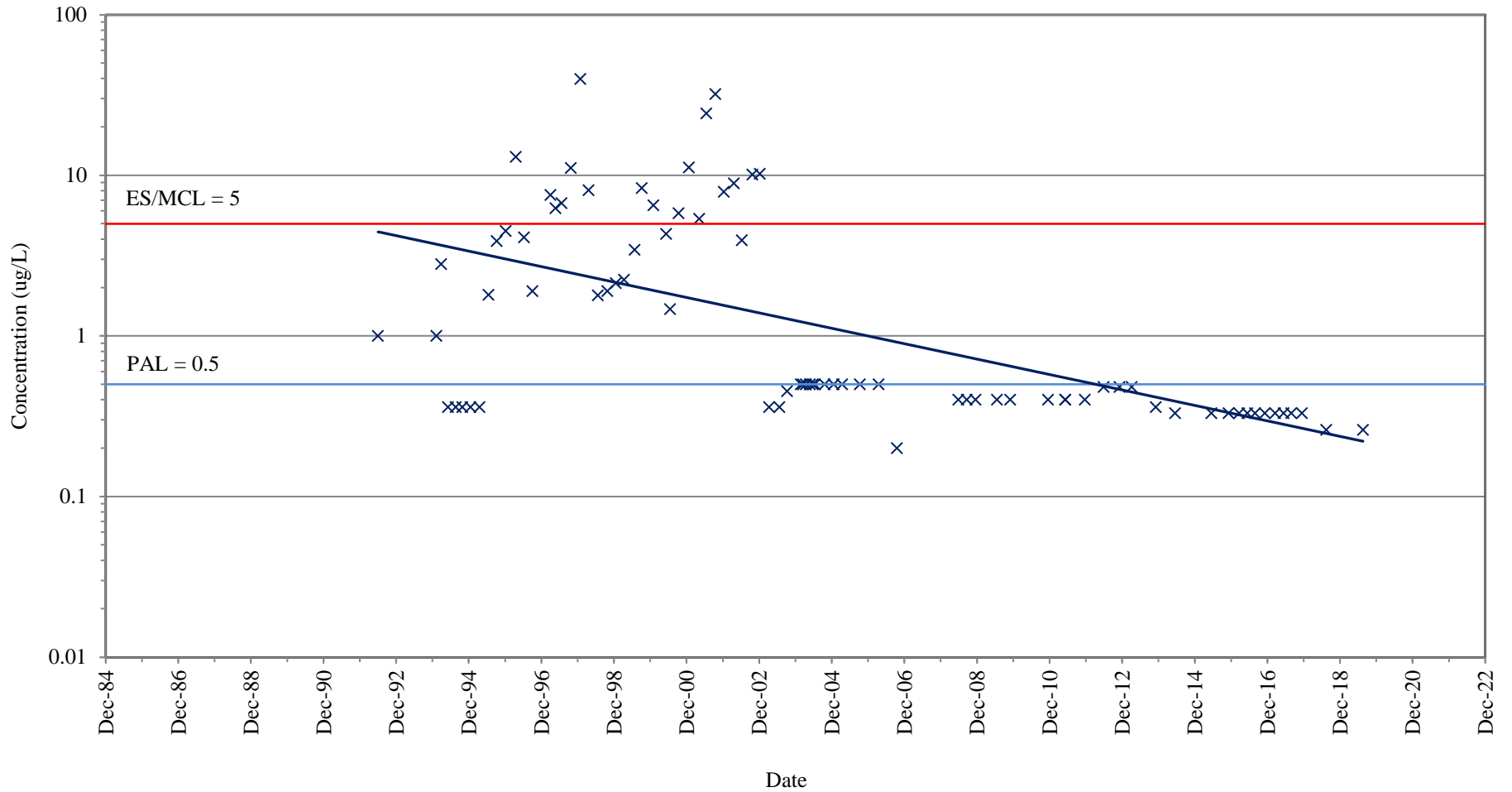
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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-70A (GRID COORDINATE K8)

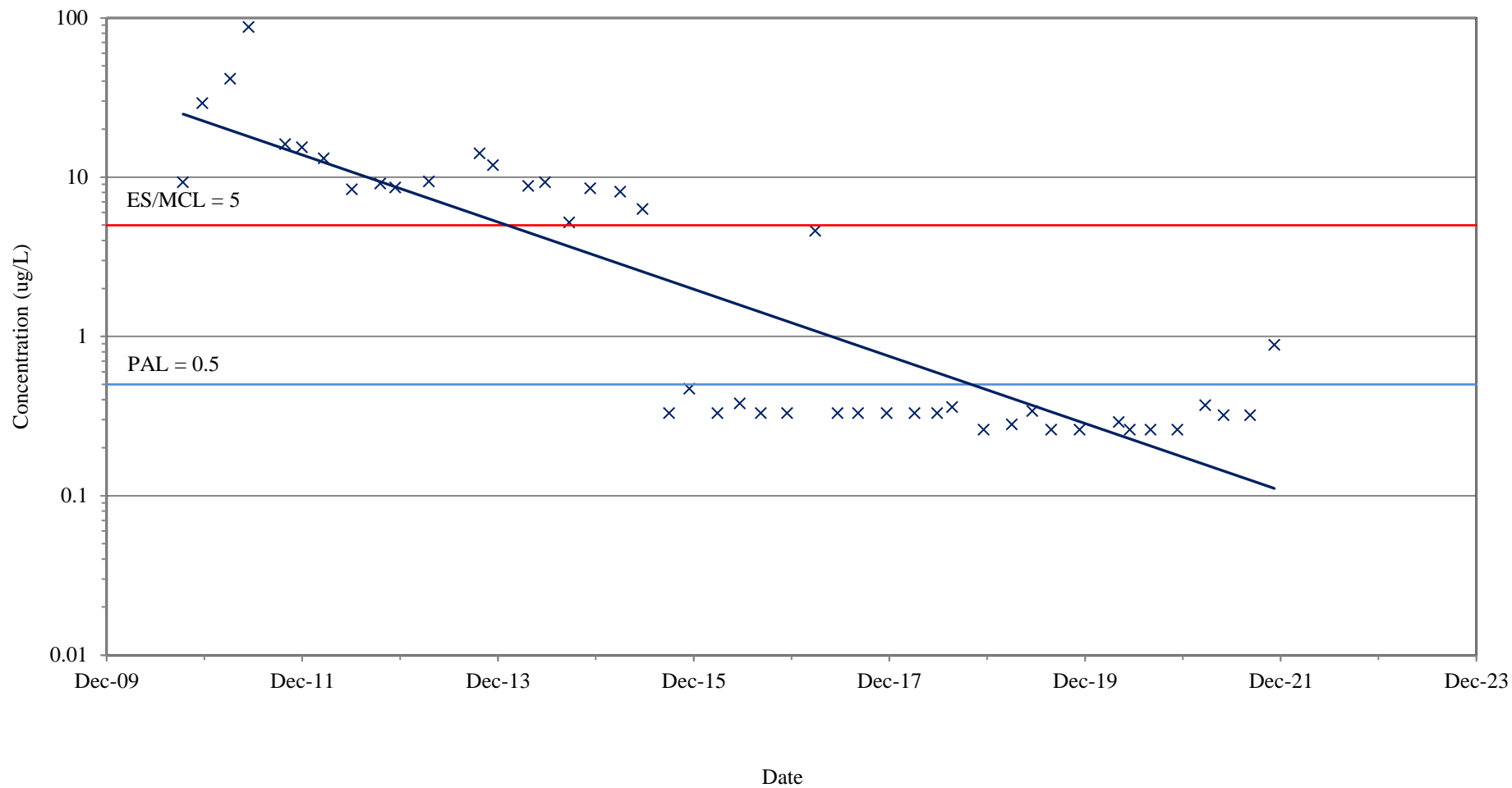
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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)

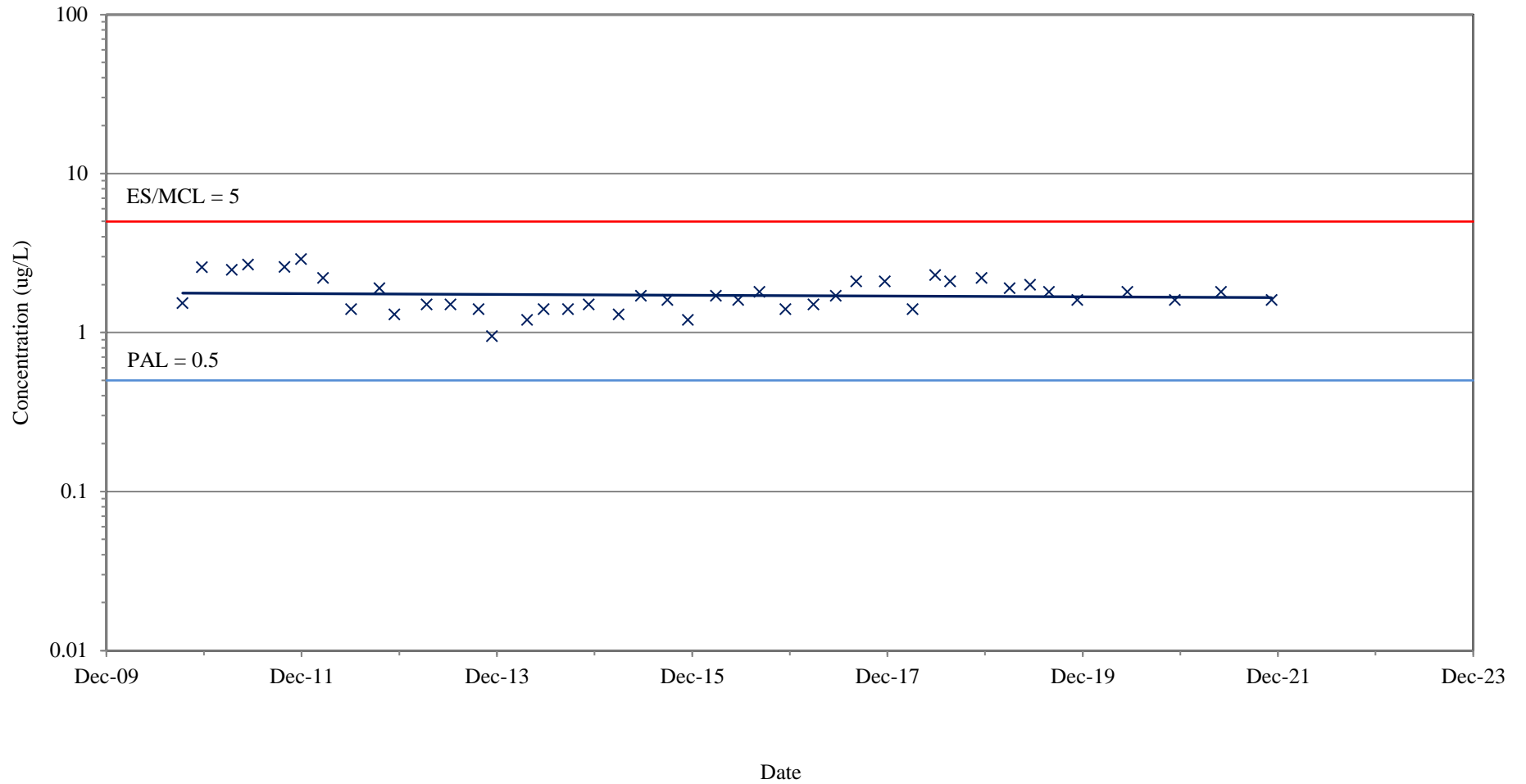
NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN



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)

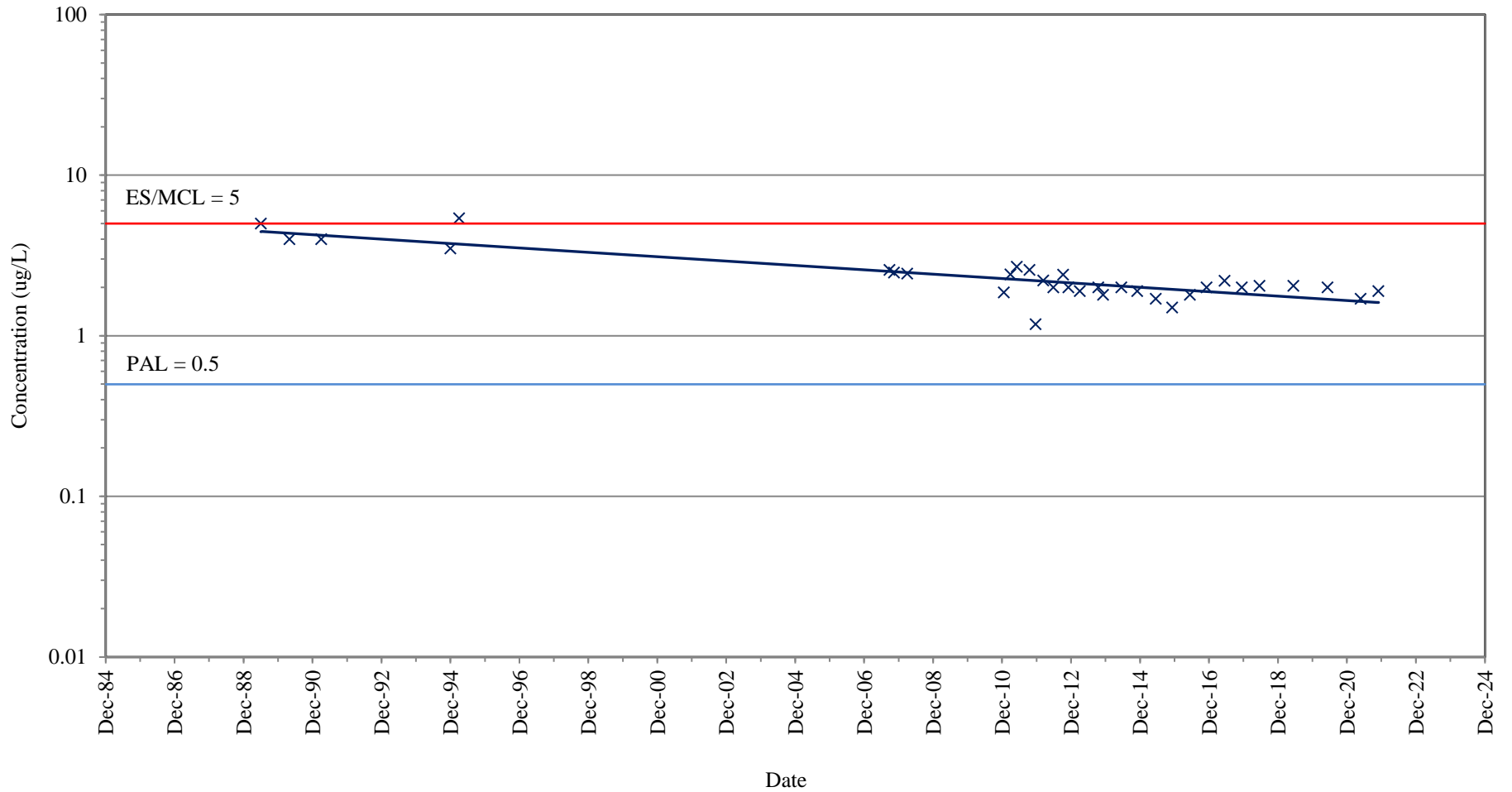
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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)

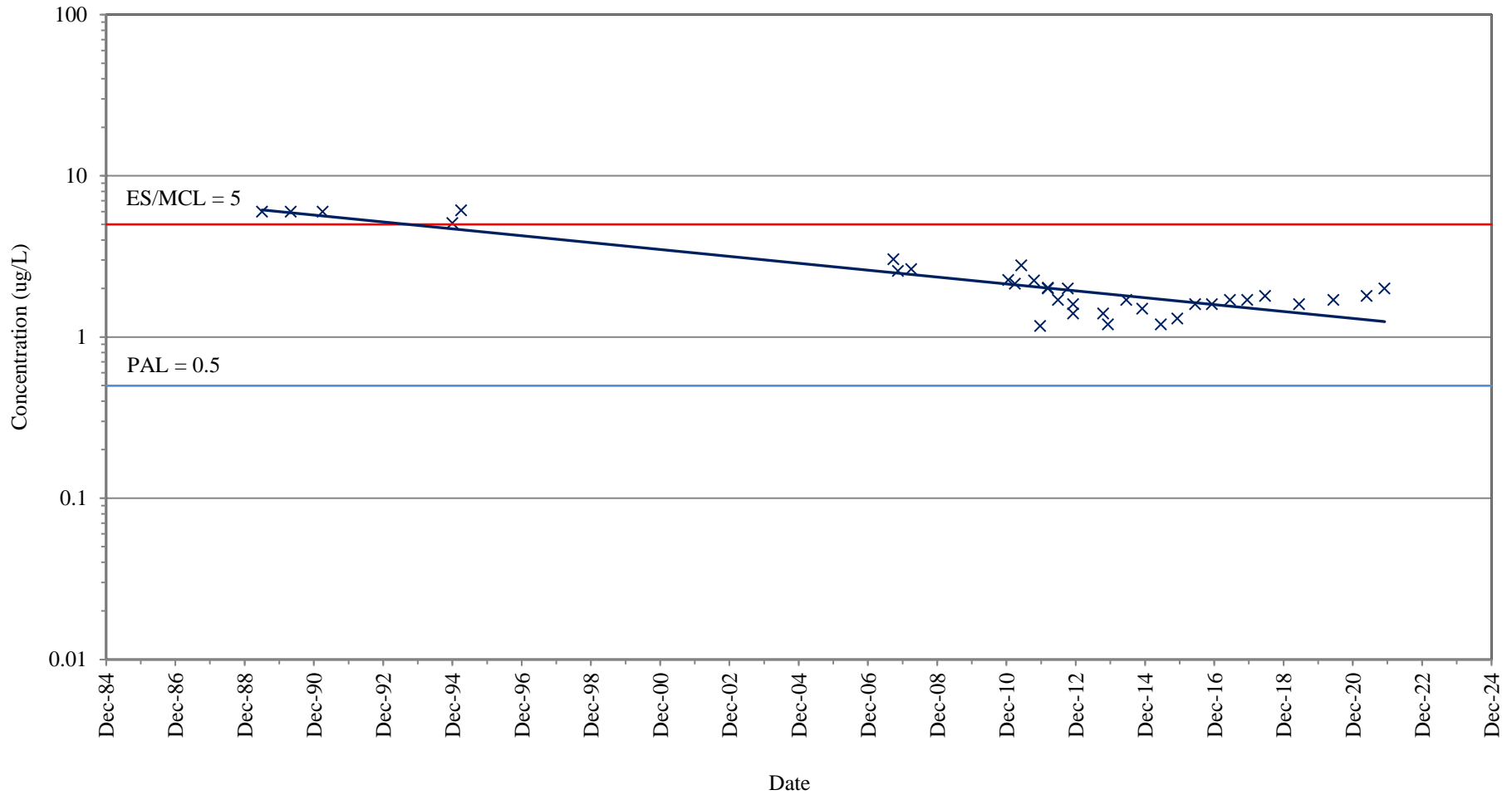
NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN



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)

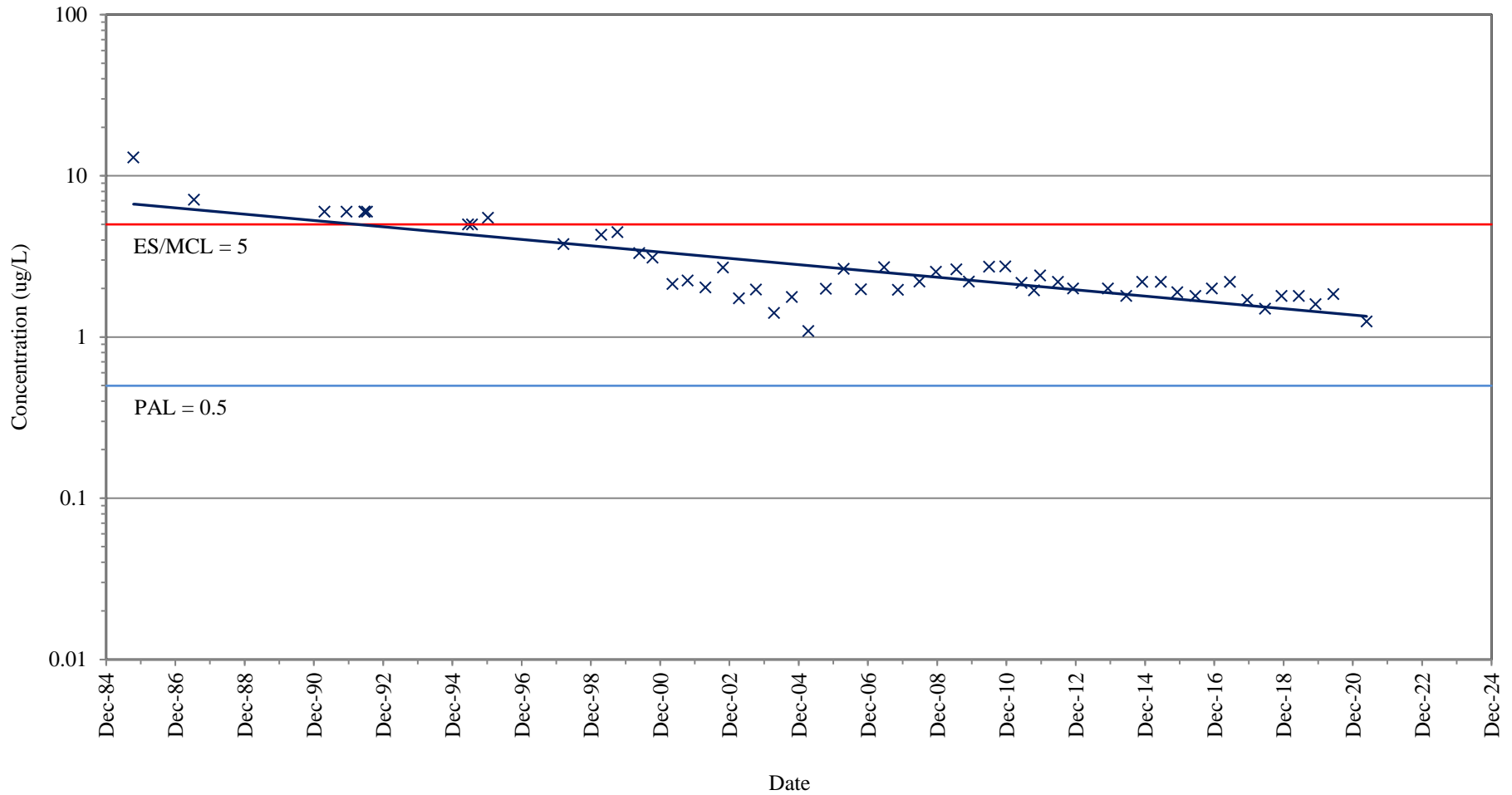
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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)

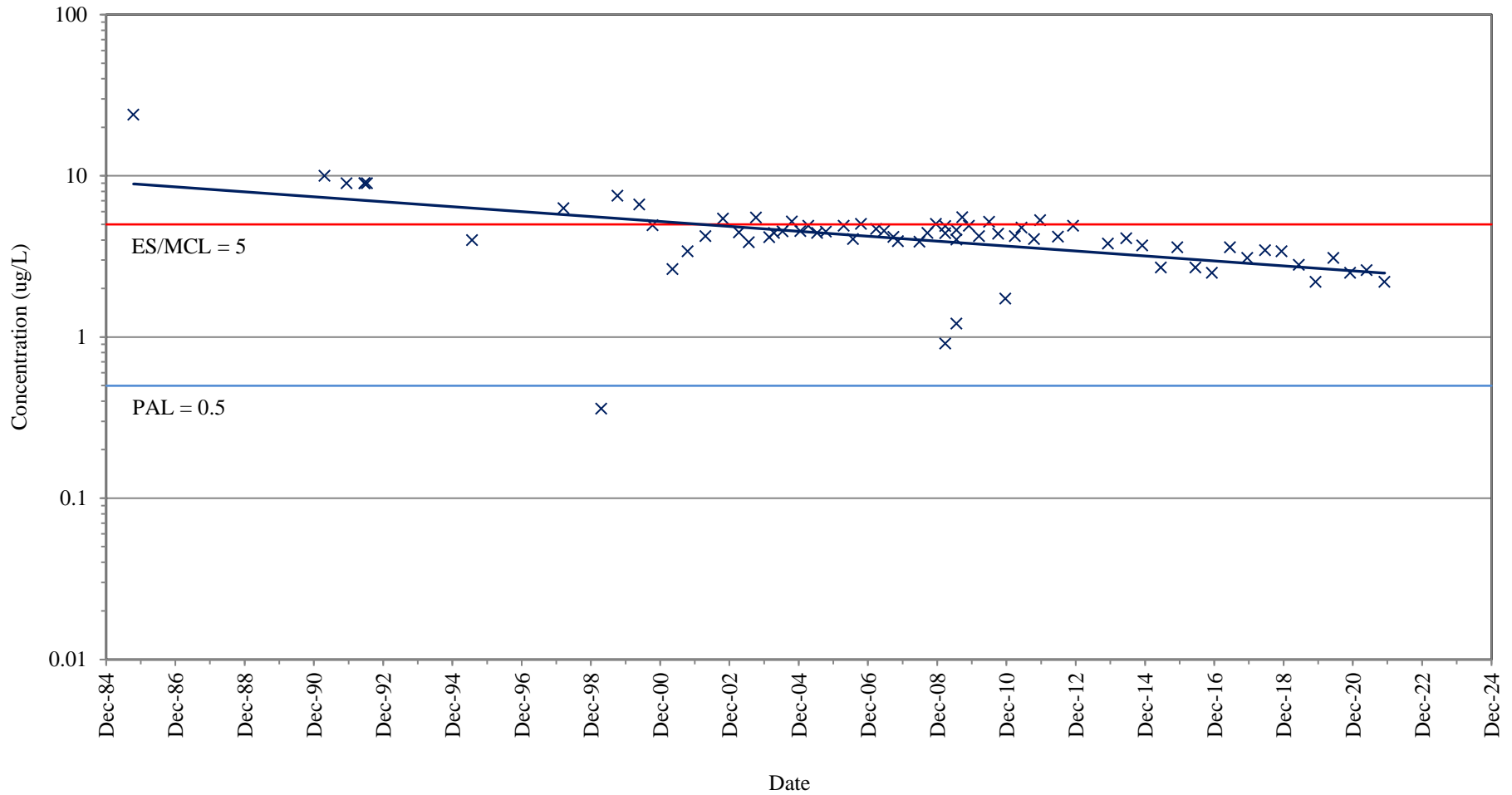
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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)

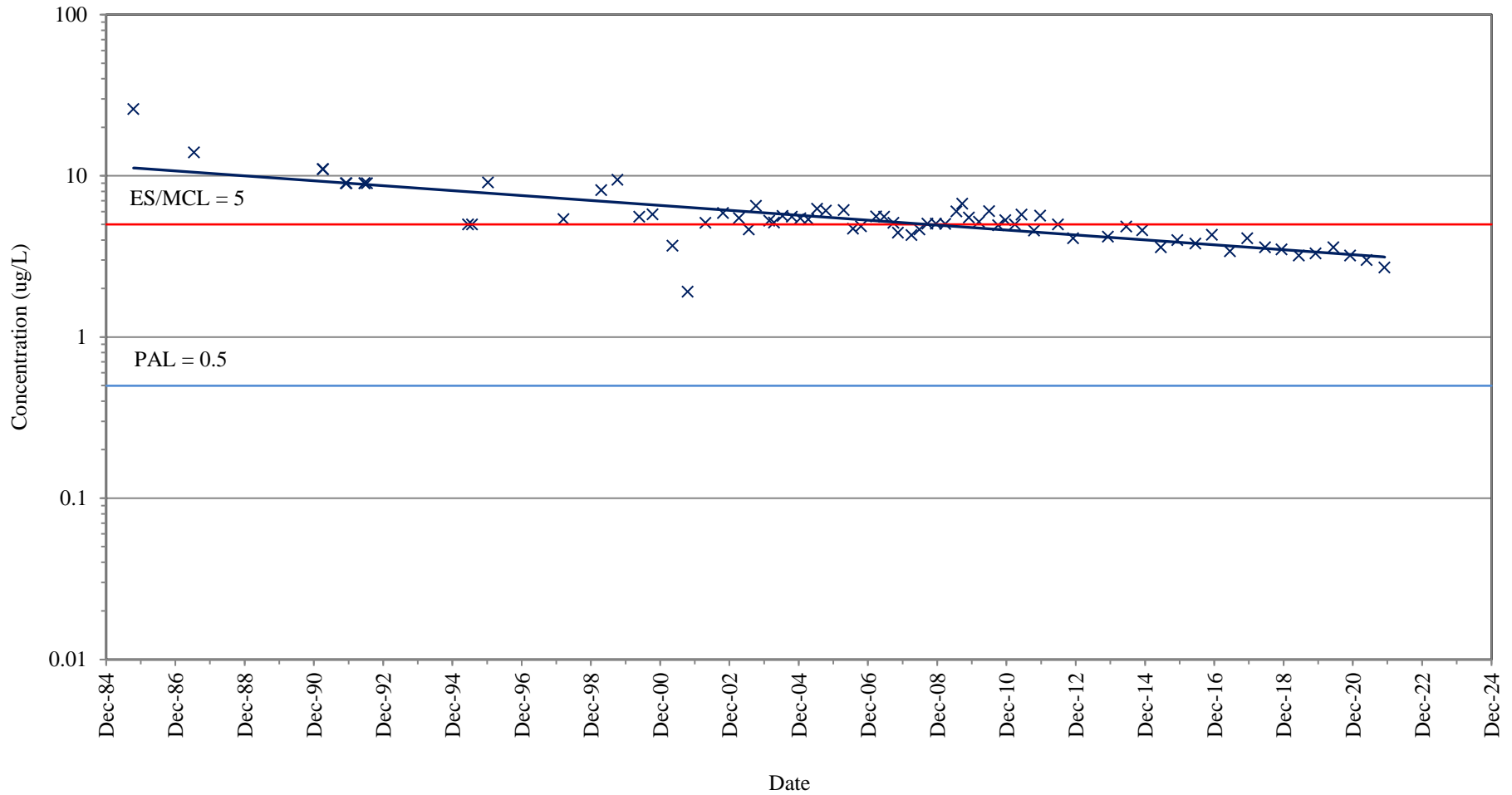
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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)

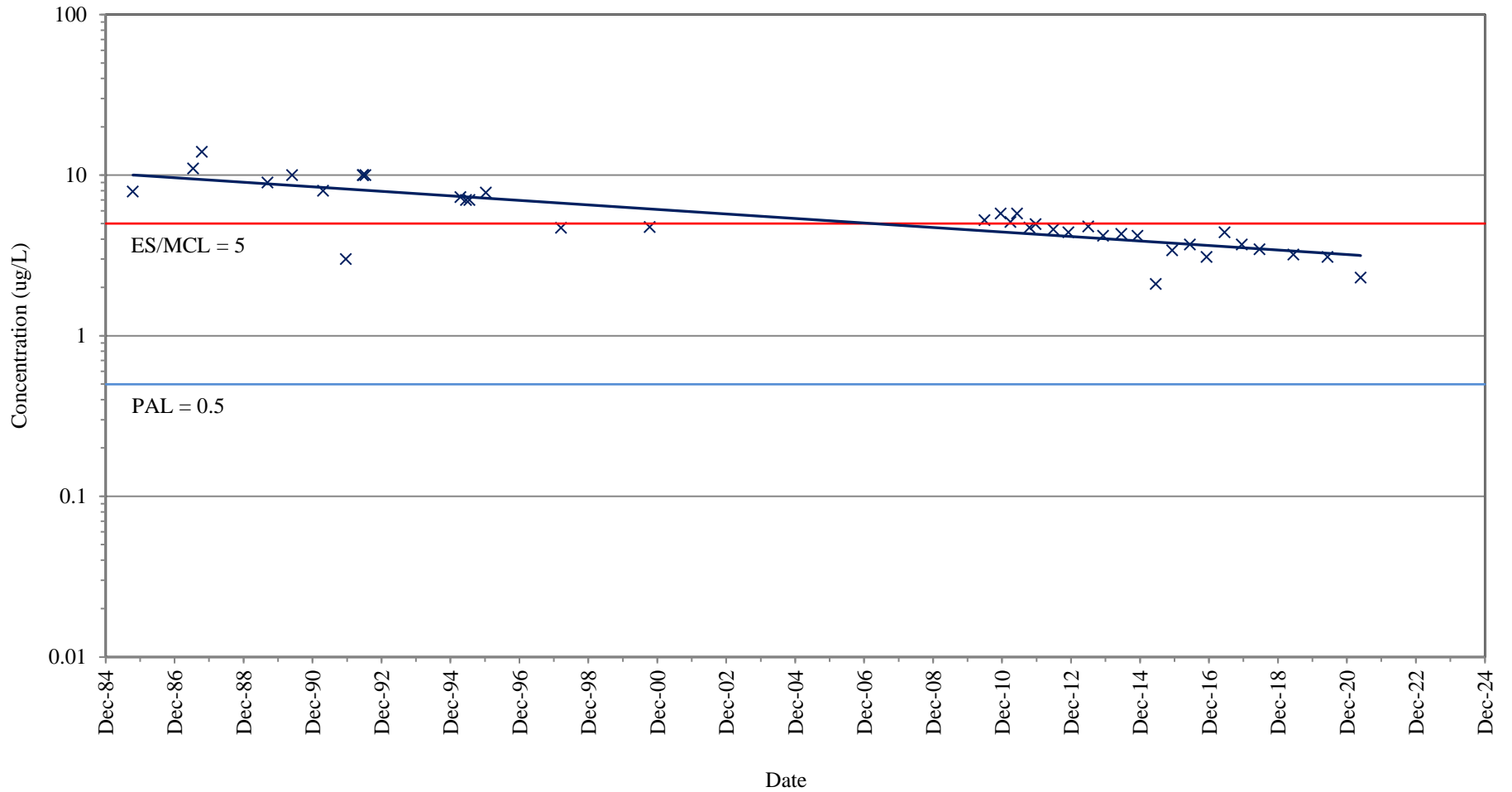
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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)

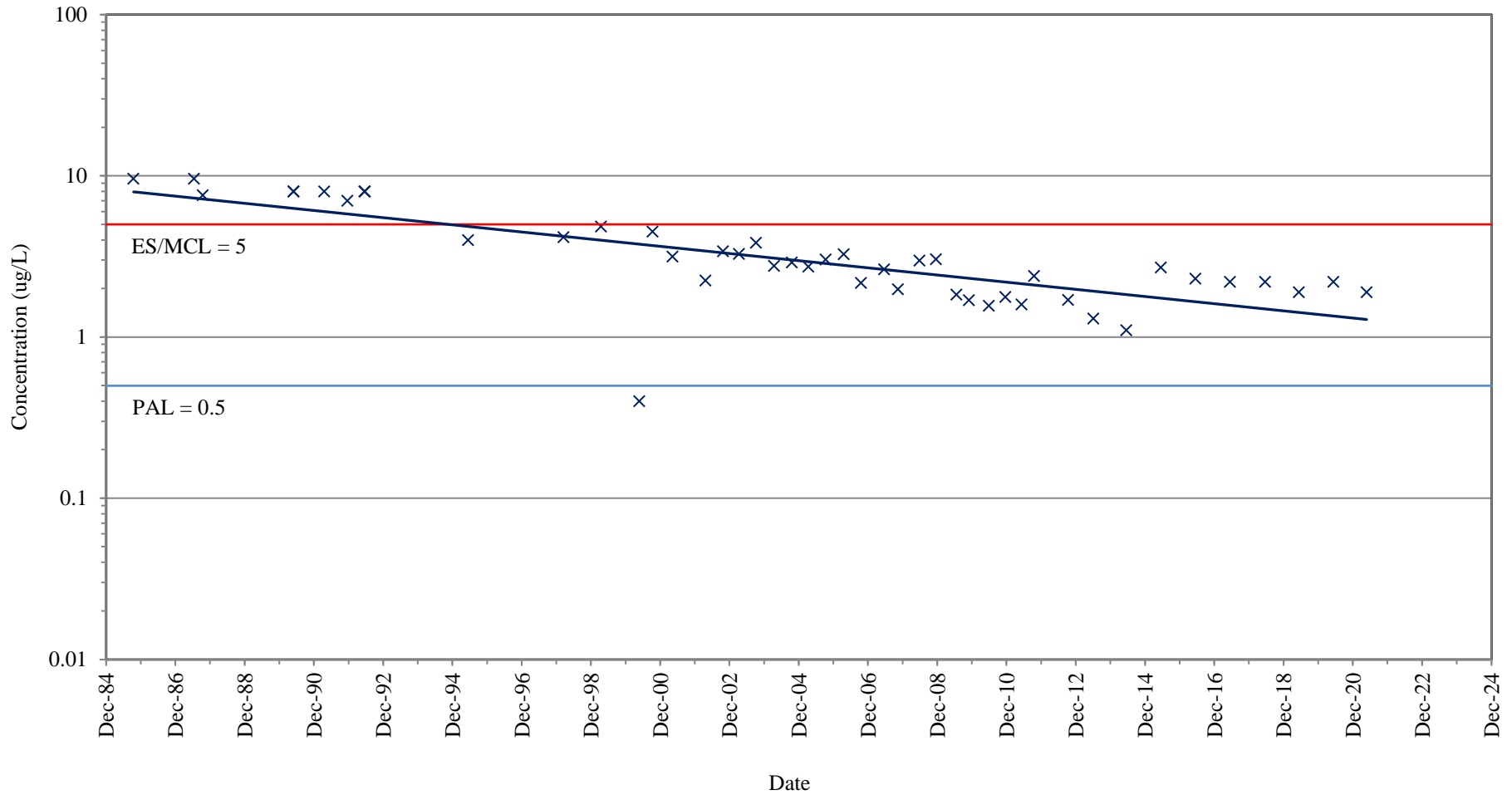
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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)

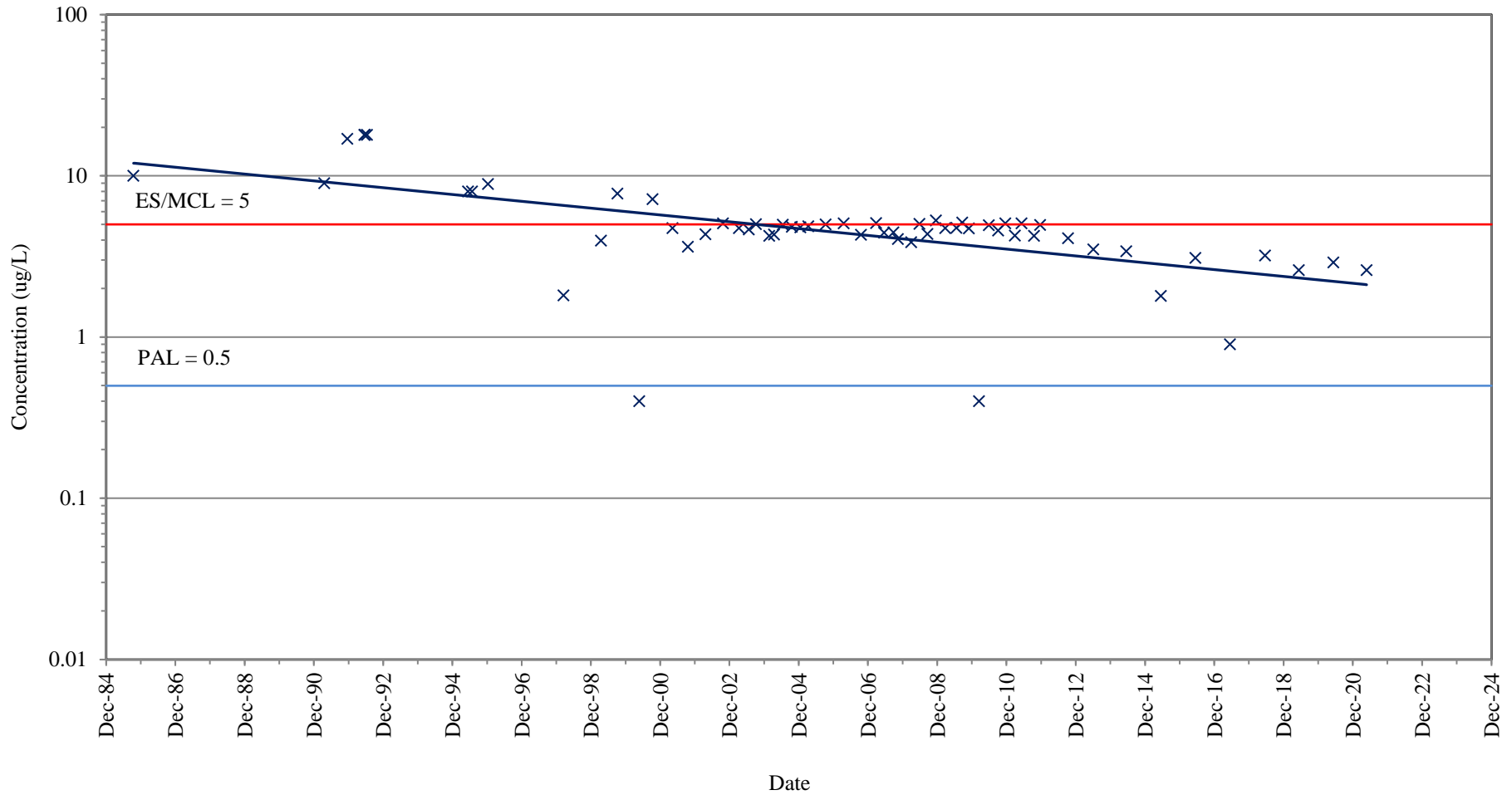
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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)

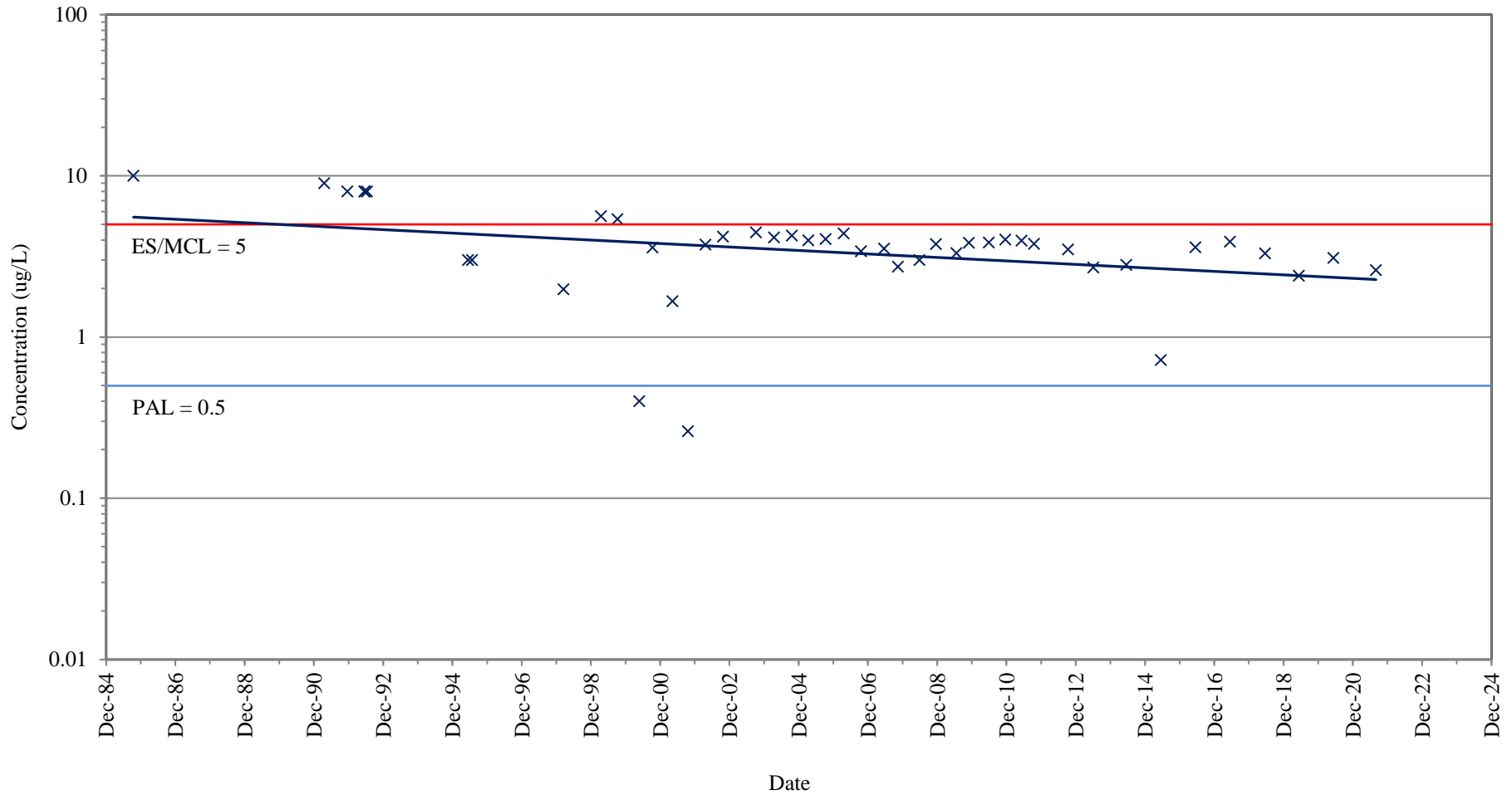
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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



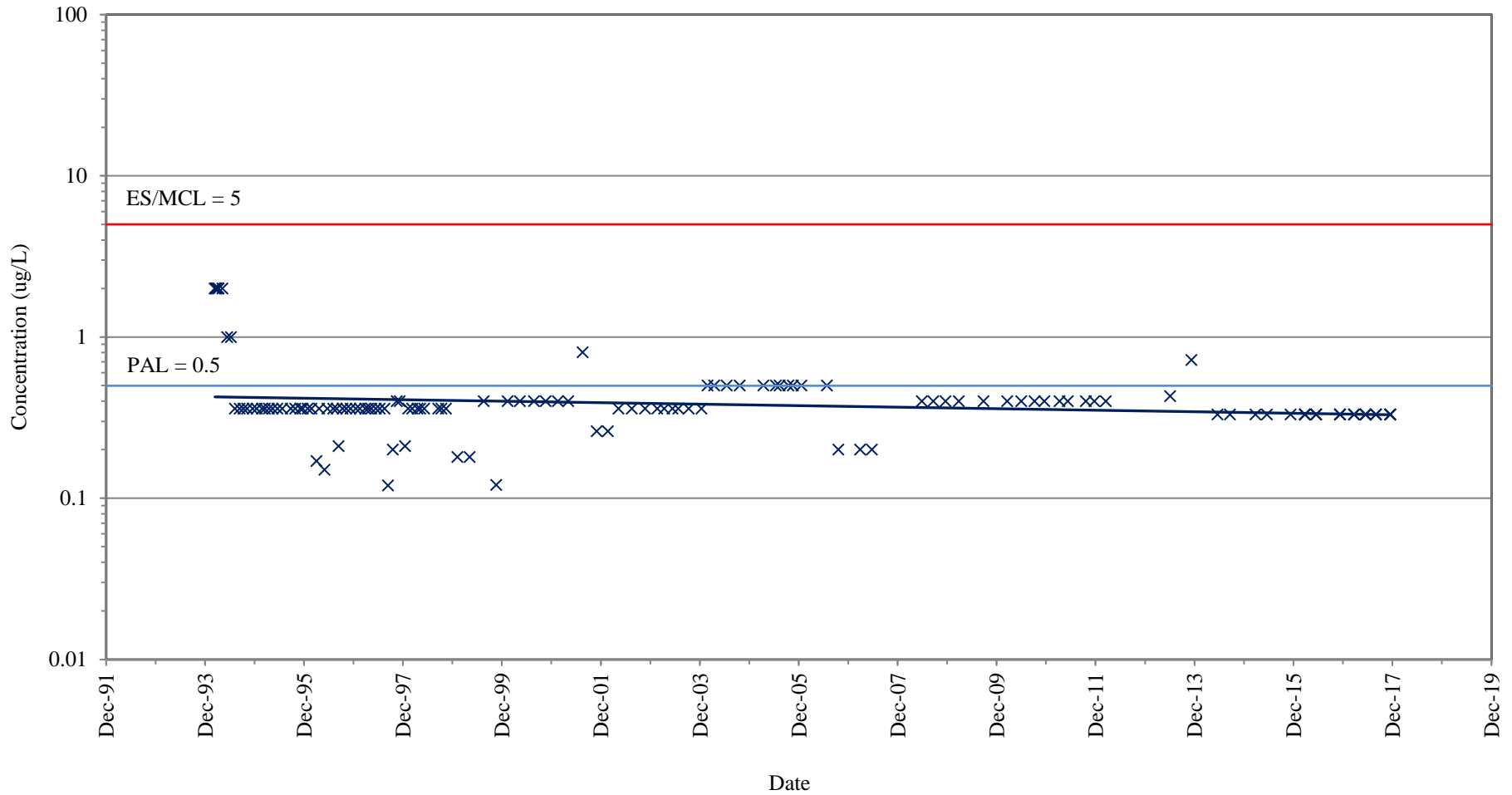
Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

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

NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN

APPENDIX E

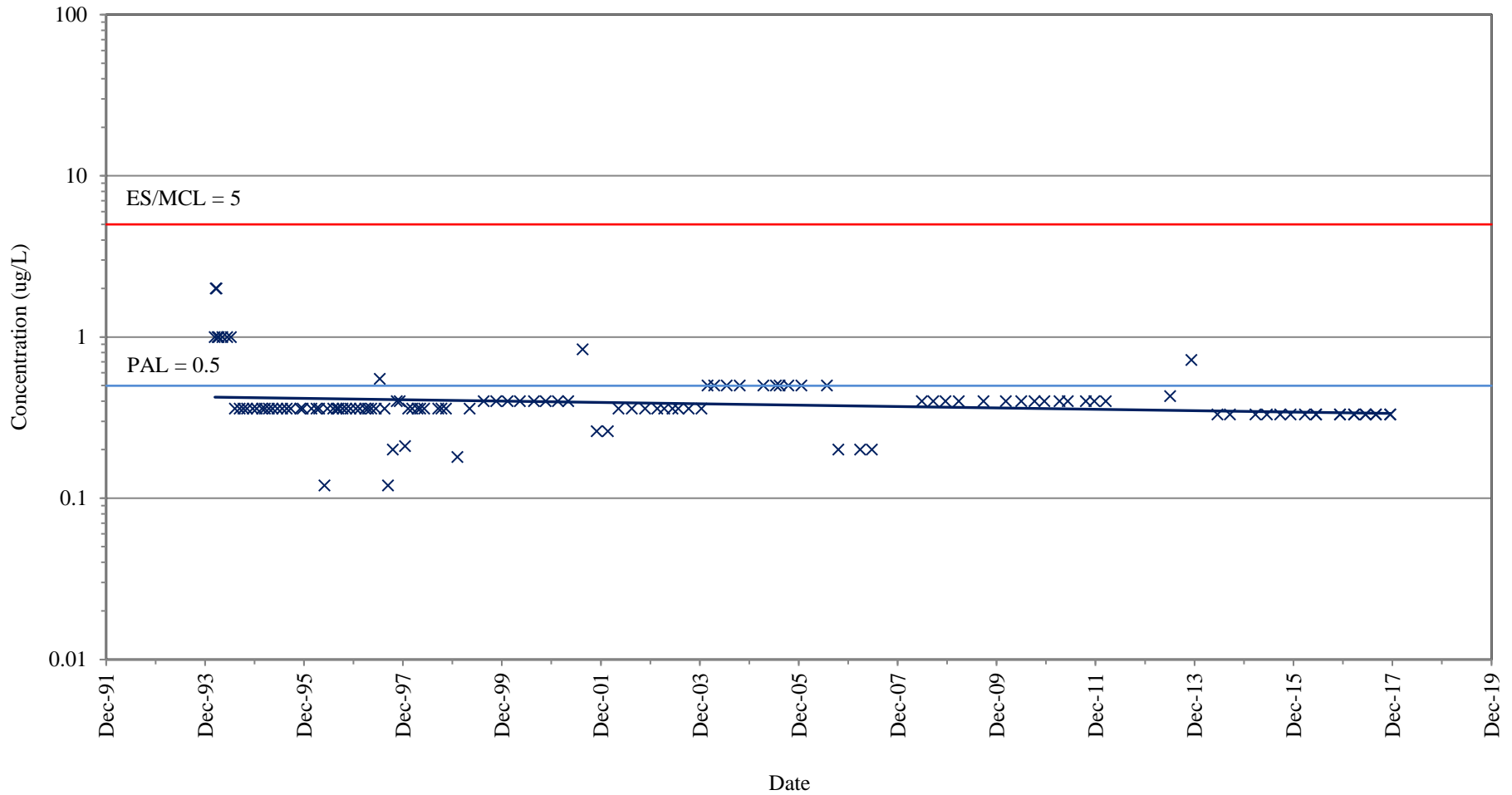
TCE CONCENTRATION VERSUS TIME GRAPHS
FORMER PLUME 3/4 (MELBY ROAD DISPOSAL SITE)



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)

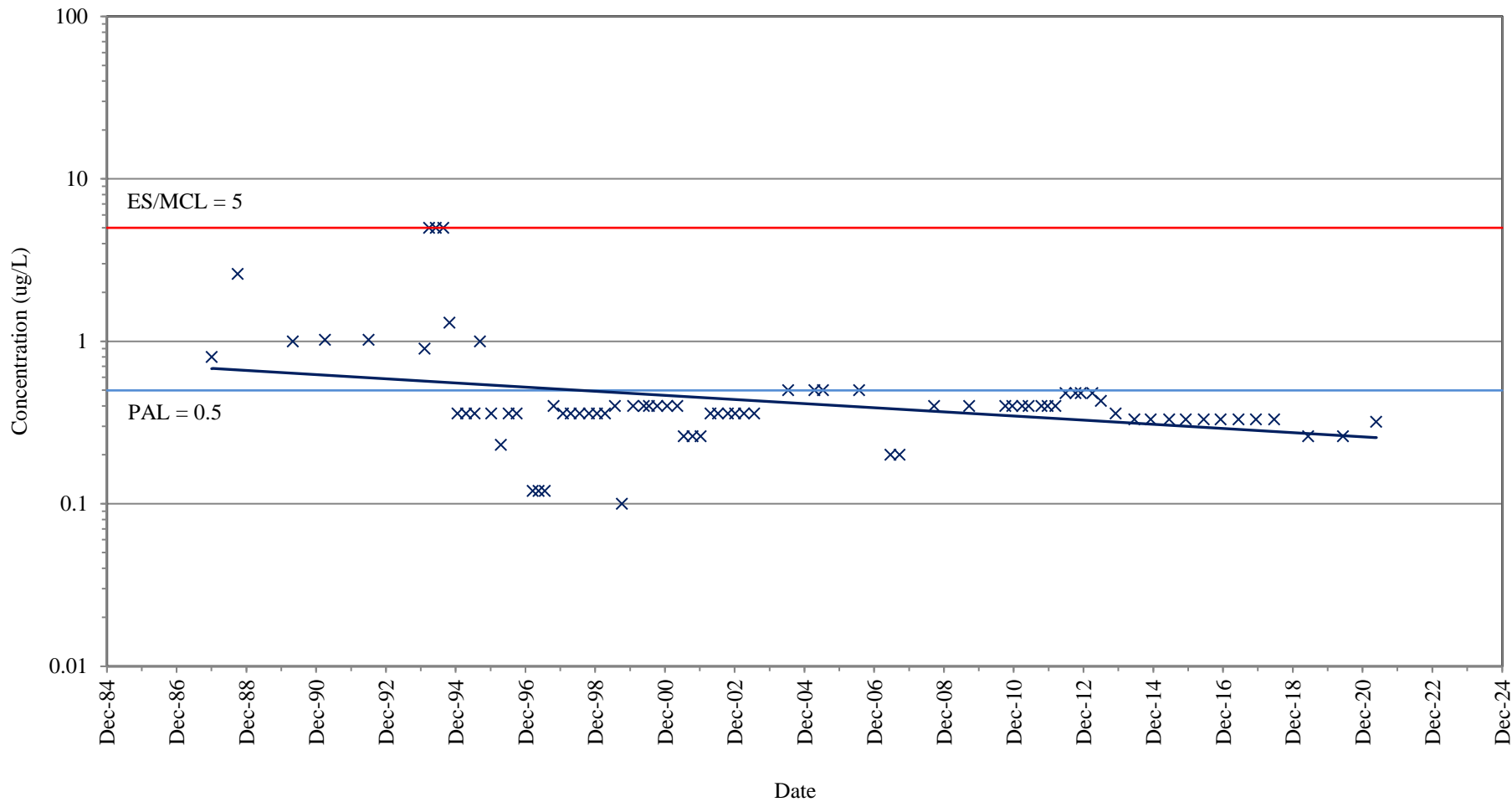
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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)

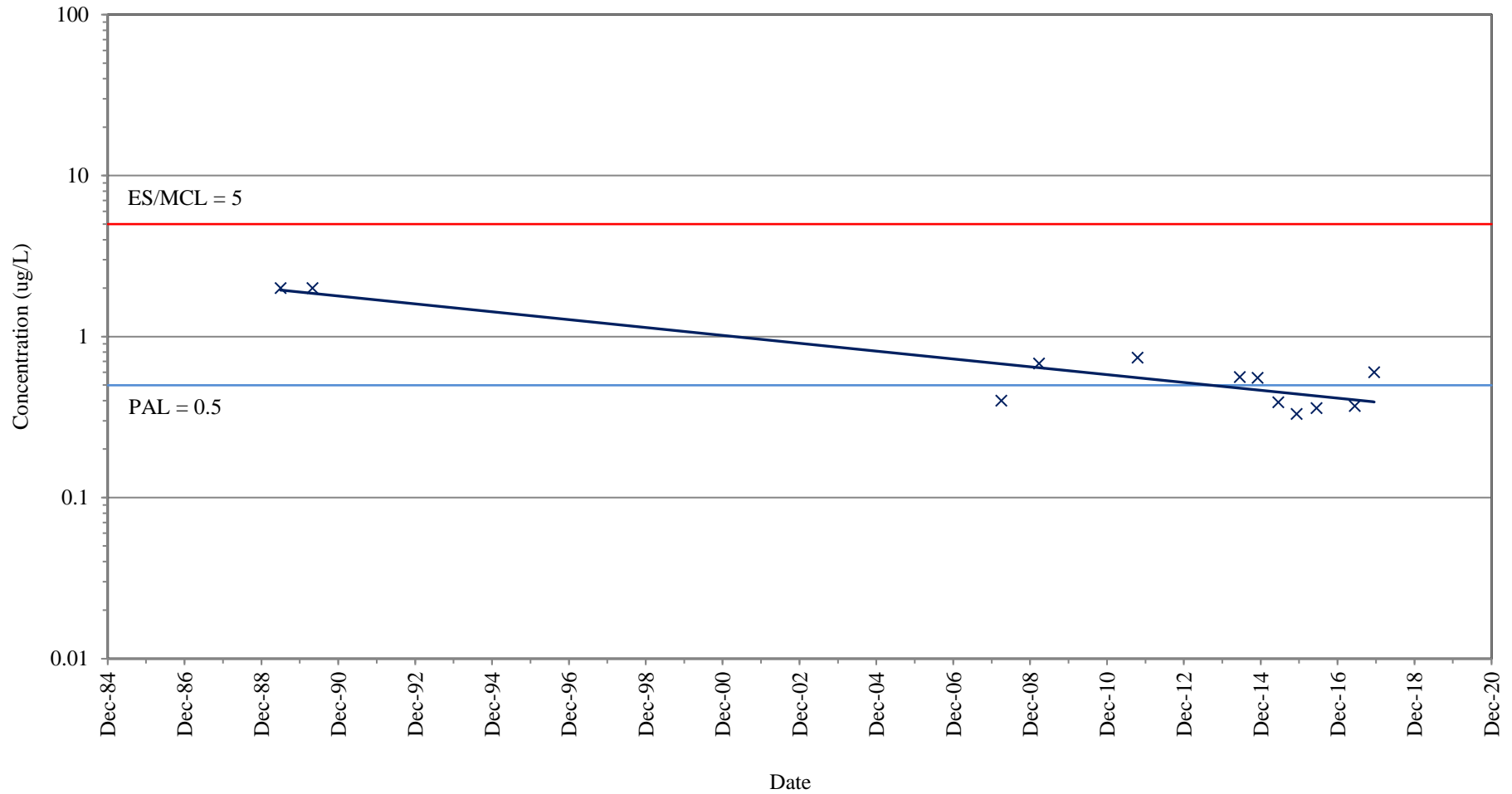
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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)

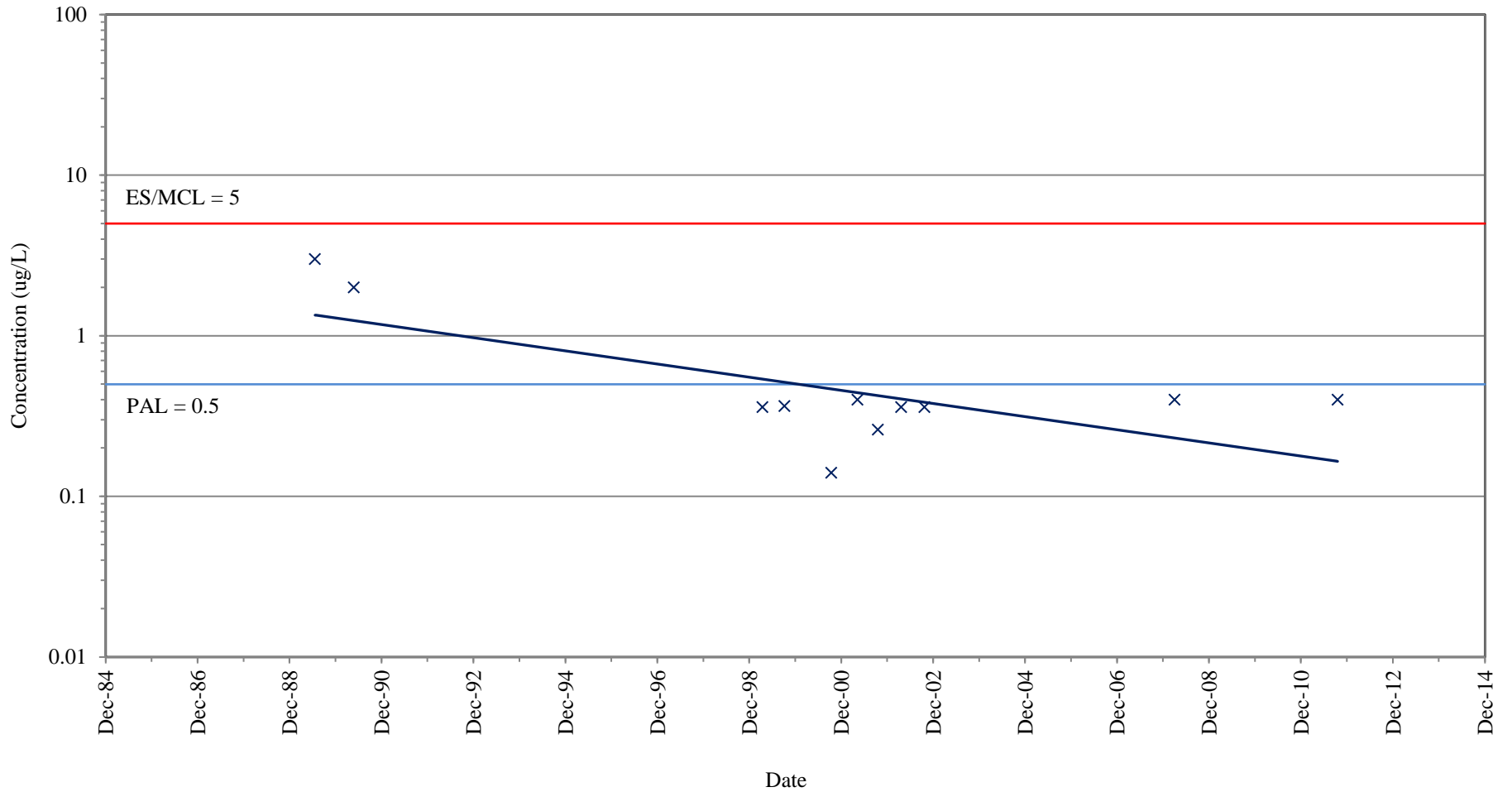
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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)

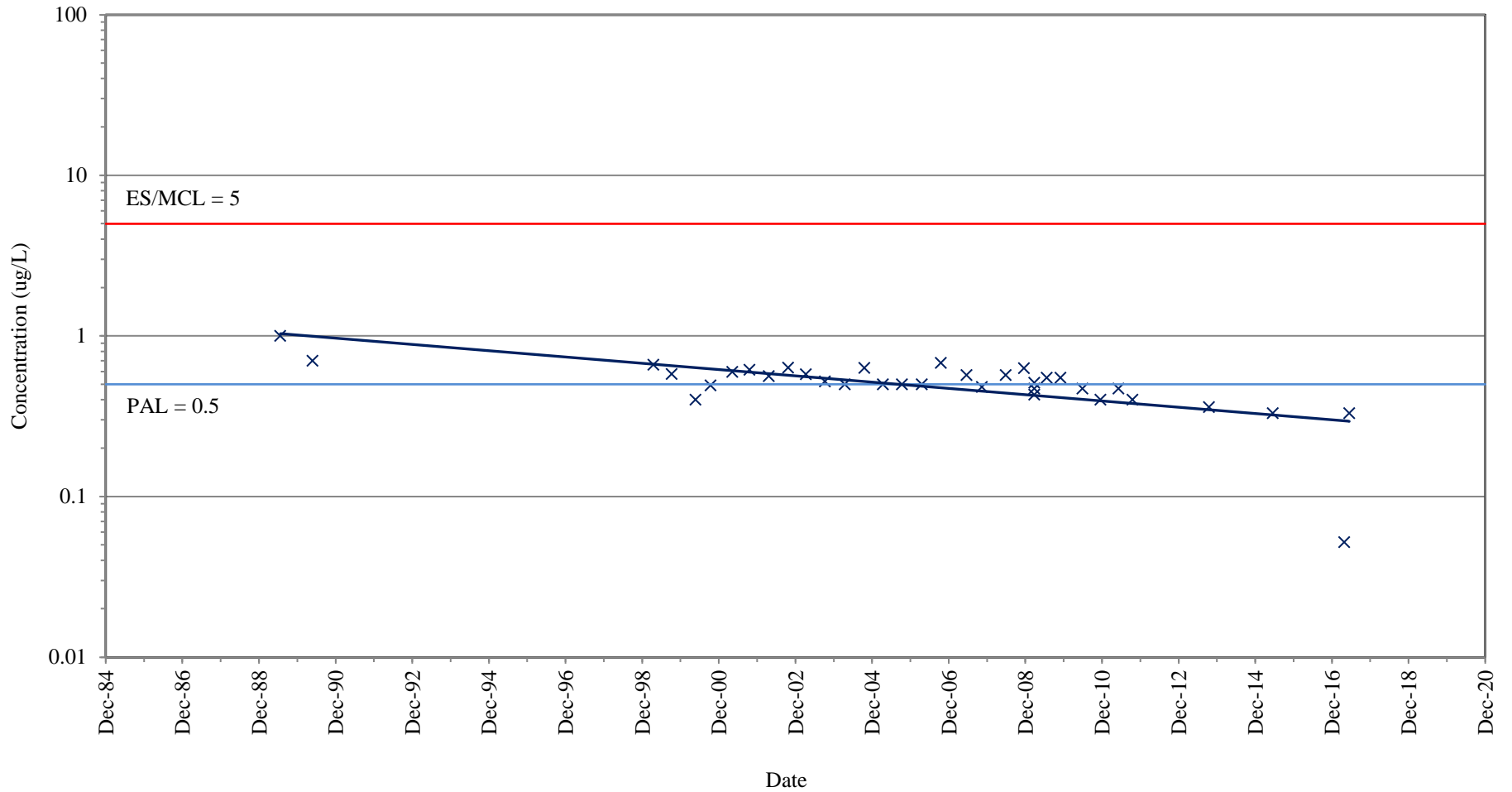
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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)

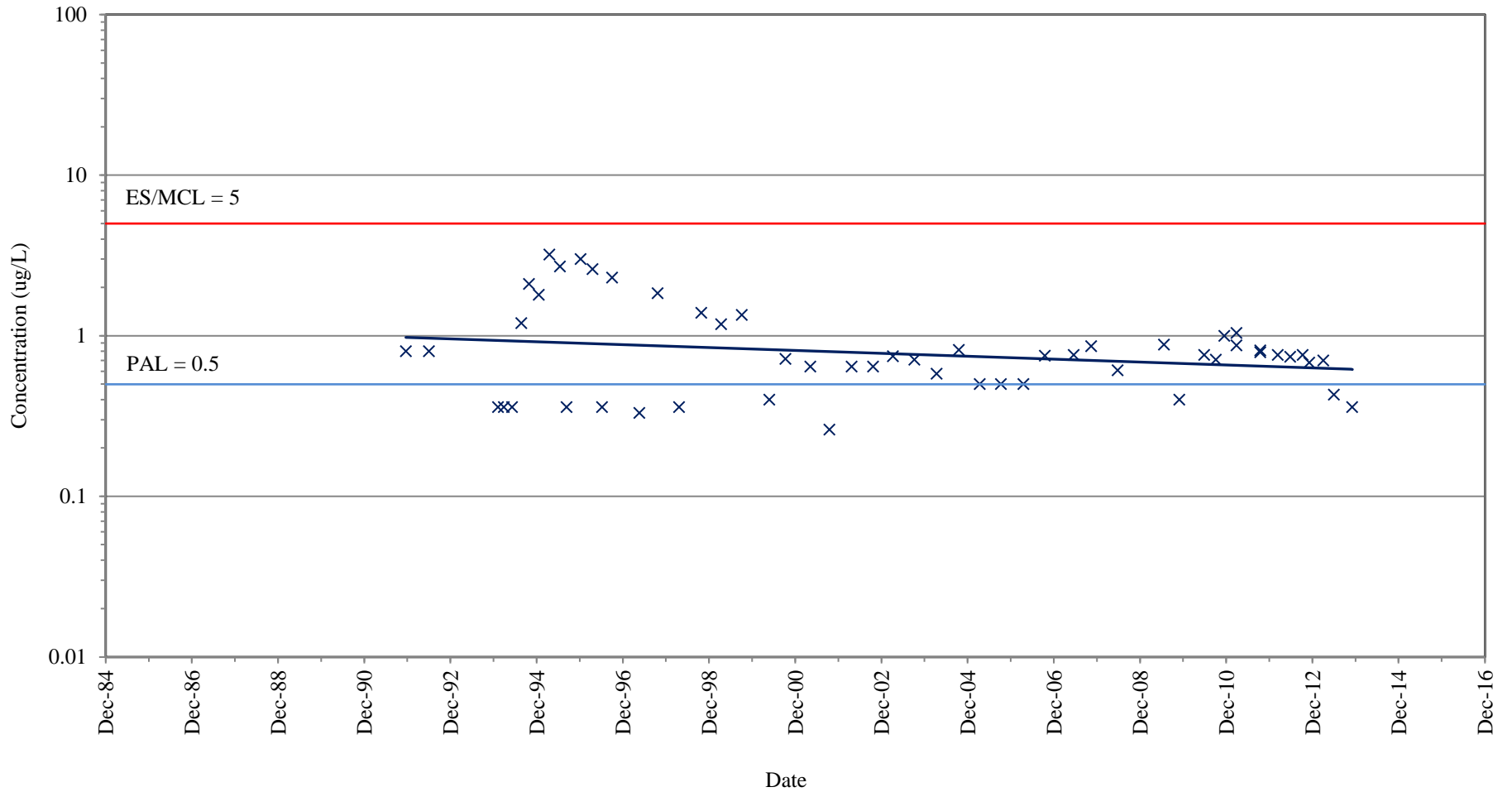
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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)

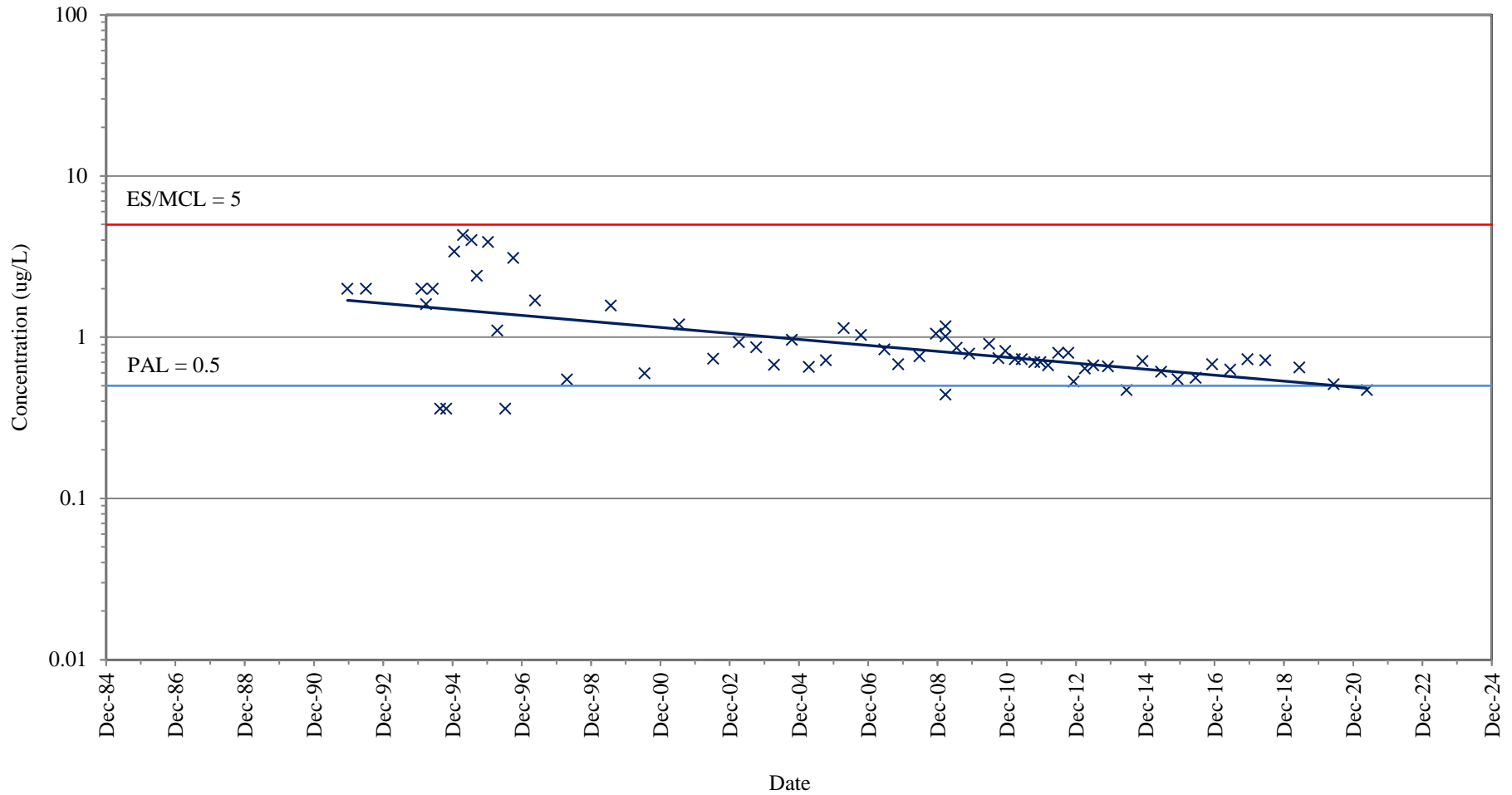
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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-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