



Gannett Fleming

*Excellence Delivered **As Promised***

Prepared for

NATIONAL PRESTO INDUSTRIES, INC.

EAU CLAIRE, WISCONSIN

ANNUAL INTERIM REMEDIAL ACTION

STATUS REPORT FOR 2019

PROJECT #34283.000

MARCH 2020

Office Location:

GANNETT FLEMING, INC.
8040 Excelsior Drive, Suite 303
Madison, Wisconsin 53717

Office Contacts:

Cliff Wright, P.E., P.G.
Chelsea Payne
(608) 327-5050



Gannett Fleming

Excellence Delivered As Promised

March 4, 2020
File #34283.000

Mr. Howard Caine
Remedial Project Manager
Waste Management Division
USEPA Region 5
77 West Jackson Blvd., 6th Floor
Chicago, IL 60604-3590

Ms. Candace Sykora
Wisconsin Department of Natural Resources
890 Spruce Street
Baldwin, WI 54002

Re: Annual Interim Remedial Action Status Report - 2019
National Presto Industries, Inc., Eau Claire, Wisconsin
USEPA CERCLIS ID WID006196174
WDNR BRRTS 02-09-000267 and FID 609038320

Dear Howard 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 2019, conclusions based on the historical groundwater monitoring data, and a list of activities to be completed in 2020.

A completed certification page for this submittal is also attached. However, some descriptive text in the second half of this report has been condensed for brevity, as agreed during the December 5, 2019, annual meeting at NPI with Derrick Paul. Except for ongoing remedial activities, this report does not include detailed summaries of remedial activities 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 2019, 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

L:\CLERICAL\projects\34200\34283_NPI\reports\Annual Report 2019_ccw\R34283_019.docx

Gannett Fleming, Inc.

8040 Excelsior Drive, Suite 303, Madison, WI 53717

t 608.327.5050 • f 608.531.2873

www.gannettfleming.com

Mr. Howard Caine
U.S. Environmental Protection Agency
March 4, 2020

Ms. Candace Sykora
Wisconsin Department of Natural Resources

-2-

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 we believe is located beneath the NPI main building, continues to capture and remove VOC-impacted groundwater from that area of the site.

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. Like the NPI VOC concentrations in MW-76A, however, 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, 2017, 2018, or 2019.

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

Mr. Howard Caine
U.S. Environmental Protection Agency
March 4, 2020

Ms. Candace Sykora
Wisconsin Department of Natural Resources

-3-

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.

Note that, as approved by the USEPA and WDNR, Midwest Well Drilling LLC (Midwest Drilling) of Cornell, Wisconsin, filled and sealed MW-39A and MW-71A on November 11, 2019. Submittal

Mr. Howard Caine
U.S. Environmental Protection Agency
March 4, 2020

Ms. Candace Sykora
Wisconsin Department of Natural Resources

-4-

of a Form 3300-005 for each abandoned piezometer is pending informal feedback by phone or email from Candace, as requested.

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.

Mr. Howard Caine
U.S. Environmental Protection Agency
March 4, 2020

Ms. Candace Sykora
Wisconsin Department of Natural Resources

-5-

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 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 2019, the MRDS SVE system was offline until March 19th, due to its third agency-approved, 6-month trial shutdown from December 14, 2018, through June 3, 2019. However, it operated with one blower running in “low-flow” mode for 169.9 hours between March 19th and 26th for quarterly field screening of the vent wells and exhaust gas sampling. The operator used a variable frequency drive (VFD) to control the flow of the vacuum blower(s).

On June 3, 2019, low-flow operation of the SVE system resumed. On June 10th, the VFD was adjusted for normal seasonal operation. On November 1st, the VFD was adjusted for low-flow operation. On December 4th, the system was shut down for its fourth 6-month trial period, as approved by both agencies. See GF’s October 10, 2019, *MRDS SVE System Third Trial Seasonal Shutdown Assessment* 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

Mr. Howard Caine
U.S. Environmental Protection Agency
March 4, 2020

Ms. Candace Sykora
Wisconsin Department of Natural Resources

-6-

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.

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 2016-2019 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 0.0050 lb/hr and 26.40 lb, respectively, for total VOCs from all three of the SVE systems combined in 2019, the compound-specific emissions of TCE and all other compounds were below their respective limits, as summarized in Tables 2A/B. GF's November 2017 *Annual Remedial Action Status Report - 2016*, February 2018 *Annual Interim Remedial Action Status Report - 2017*, and June 2019 *Annual Interim Remedial Action Status Report - 2018* provide additional detail.

Mr. Howard Caine
U.S. Environmental Protection Agency
March 4, 2020

Ms. Candace Sykora
Wisconsin Department of Natural Resources

-7-

General Groundwater Monitoring Information

Groundwater samples were collected for NPI VOC analysis at least once from a total of 63 monitoring wells/piezometers, on-site extraction well EW-6, and 4 city production wells during the four routine quarterly sampling rounds completed in 2019. In addition to collecting samples from the above wells/piezometers and manhole MH-18, samples were also collected of the combined pumpage from the production wells in the City's north well field, 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 2019. 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 2019 were determined to be usable for assessing groundwater quality.

Water levels were measured in all on-site wells and piezometers quarterly, whether or not they were scheduled to be sampled. 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 2019 sampling rounds. Figure 1 includes an area-wide groundwater flow map. Figures 2 and 4 are 11-inch x 17-inch groundwater flow maps for the site and SWC, respectively. To provide the most complete groundwater flow maps, all three figures are based on the water level measurements made during the June 2019 sampling round when virtually all project wells were measured. Site datum is mean sea level (MSL).

Mr. Howard Caine
U.S. Environmental Protection Agency
March 4, 2020

Ms. Candace Sykora
Wisconsin Department of Natural Resources

-8-

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. 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 Howard'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 work flow, 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 2019. Likewise, neither of these wells operated in 2015-2018, 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).

Mr. Howard Caine
U.S. Environmental Protection Agency
March 4, 2020

Ms. Candace Sykora
Wisconsin Department of Natural Resources

-9-

- 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 2019, 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 2019, except it was offline December 27, 2018 - January 3, 2019, for electrical repair and January 16-23, 2019, for pump replacement. EW-6 resumed full-time operation on January 24, 2019. See the January 2019 monthly progress reports that were submitted for the SWC groundwater pump-and-treat system for more details.

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 2019. 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. Appendix A states that a CD with Excel workbooks summarizing all historical analytical data, etc. for all wells associated with the site is available upon request.

Mr. Howard Caine
U.S. Environmental Protection Agency
March 4, 2020

Ms. Candace Sykora
Wisconsin Department of Natural Resources

-10-

- 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 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. Appendices B and C note that all the laboratory reports and chain of custody records from the routine quarterly sampling done in 2019 and a copy of the text of the 2019 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 2019. 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 ≥ 5 µg/ℓ) and other select wells of interest or concern. These graphs include best-fit exponential trend lines generated using Excel, and they depict the overall decreasing to stable TCE concentrations in the Plume 1/2 wells.

City of Eau Claire Monitoring Wells

Three of the five remaining City of Eau Claire monitoring wells (EC wells) were sampled in 2019, as agreed. EC-1, EC-2, 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 and EC-5 are no longer being sampled by NPI because both wells are outside the former 1993 TCE plume boundary. 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.

Mr. Howard Caine
U.S. Environmental Protection Agency
March 4, 2020

Ms. Candace Sykora
Wisconsin Department of Natural Resources

-11-

- Production well water routed through the air stripper at the ECMWF included city wells 11/15/16/17/19 prior to April 25th and city wells 17/19/22/23 starting on April 25th.

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.

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 raw water samples that GF collected in 2019 from the individual city production wells; the commingled untreated raw water prior to the two air stripping towers; the commingled treated water after each of the towers, but before chlorination; and the commingled treated water after sand filtration and chlorination. All semi-annual samples collected from CW-15 and CW-23 by GF in 2019 had TCE concentrations below the laboratory's detection limit, which was 0.12 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, we believe that CW-19 and CW-22, when pumping, intercept virtually all the TCE in former Plume 1/2 that reaches the city well field. As shown in Table 6, TCE concentrations in:

- CW-19 ranged from 0.40 to 2.4 µg/ℓ in 2017, from 0.62 to 0.97 µg/ℓ in 2018, and from 0.34J to 0.55 µg/ℓ in 2019.
- CW-22 ranged from 2.2 to 2.4 µg/ℓ in 2017, from 2.0 to 2.7 µg/ℓ in 2018, and from 1.7 to 2.0 µg/ℓ in 2019.

We believe the gradual changes are attributable to CW-22 starting to capture more TCE relative to CW-19 over time. This capture pattern progression is consistent with prior results, before CW-22 started operating, when CW-19 was at the leading edge of Plume 1/2 instead. Every one of the four samples collected from CW-19 and CW-22 in 2019 and analyzed by Pace contained detectable concentrations of TCE, ranging from 0.34J to 2.0 µg/ℓ, but all TCE concentrations were well below the 5.0 µg/ℓ ES/MCL.

Mr. Howard Caine
U.S. Environmental Protection Agency
March 4, 2020

Ms. Candace Sykora
Wisconsin Department of Natural Resources

-12-

The samples of comingled untreated raw water from CW-17, CW-19, CW-22, and CW-23 prior to air stripping contained TCE at concentrations ranging from 0.80 to 0.97 $\mu\text{g}/\ell$ in 2019. None of the samples collected following the stripping towers or of the final product delivered to the public, following further conventional treatment, contained TCE at concentrations above the limit of detection, which was 0.12 $\mu\text{g}/\ell$ in 2019.

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 done 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 $\mu\text{g}/\ell$ 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, the one well with Cd remaining above its ES/MCL of 5.0 $\mu\text{g}/\ell$ in 2019. 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.

Mr. Howard Caine
U.S. Environmental Protection Agency
March 4, 2020

Ms. Candace Sykora
Wisconsin Department of Natural Resources

-13-

Appendix A notes that a CD with Excel workbooks summarizing all historical Cd analytical data is available upon request.

Melby Road Disposal Site (Former Plume 3/4)

The groundwater contours at and near the MRDS are shown on Figures 1 and 2 and represent groundwater elevations measured in the monitoring wells in June 2019. 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 7 of the 14 existing wells/piezometers in the MRDS area and downgradient in former Plume 3/4 were sampled once in 2019. VOC concentrations in 6 of the 7 wells were below the laboratory limit of detection. There were no exceedances of the TCE ES of 5.0 µg/l in the 2019 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 2019, with a TCE concentration of 0.65J 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 MW-5B, MW-62C, MW-63B, and MW-66C, given that these four piezometers are proposed for abandonment in 2020, as discussed in a separate section below.

Table 9 contains the 2015-2019 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 were not sampled in 2018 or 2019, 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 2019 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 those wells that do have detectable TCE concentrations is stable or decreasing.

Mr. Howard Caine
U.S. Environmental Protection Agency
March 4, 2020

Ms. Candace Sykora
Wisconsin Department of Natural Resources

-14-

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 2019, except it was offline December 27, 2018 - January 3, 2019, for electrical repair and January 16-23, 2019, for pump replacement.

Samples of the groundwater pumped from EW-6 were collected four times in 2019 prior to the groundwater’s discharge to CAS-2R. As required by the WPDES permit for this discharge, four samples were also collected of the treated effluent from CAS-2R in 2019. These samples are collected from manhole MH-18, which is within 60 feet of CAS-2R and receives its discharge. Because EW-1R and EW-2 were “non-active”, discharge samples were not collected from CAS-1 in 2019.

Table 10 provides the annual volumes of groundwater pumped by NPI for 2016-2019. In 2019, the total volume of treated groundwater discharged to the storm sewer was 91.46 million gallons. The volume removed from all the extraction wells since March 1994 now totals over 4.58 billion gallons.

Tables 11 and 12 list the concentrations of TCA and TCE, respectively, in the groundwater pumped from the extraction wells for 2016-2019. The tables also include TCA and TCE effluent

Mr. Howard Caine
U.S. Environmental Protection Agency
March 4, 2020

Ms. Candace Sykora
Wisconsin Department of Natural Resources

-15-

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 2019, there is no need to calculate the removal efficiency for CAS-1. Table 11 shows that the TCA removal efficiency of CAS-2R in 2019 ranged from 27 to 51 percent. Table 12 shows that the TCE removal efficiency of CAS-2R in 2019 ranged from 4.9 to 41 percent. The lower end of this range is below the removal efficiency goal of 25 percent.

Likely reasons for the lower-than-goal removal efficiencies in June and December include:

- The influent and effluent samples were collected at different times.
- The measured concentrations were relatively low and flagged as less-reliable J values in both sample sets.

Overall results document that the performance of CAS-2R in 2019 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.

Mr. Howard Caine
U.S. Environmental Protection Agency
March 4, 2020

Ms. Candace Sykora
Wisconsin Department of Natural Resources

-16-

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 2019 was <1.3 µg/ℓ, as shown in Table 13.

Piezometer Abandonment Request and Groundwater Sampling Schedule for 2020

NPI requests agency approval to abandon four former Plume 3/4 piezometers in 2020: MW-5B, MW-62C, MW-63B, and MW-66C. Given the documented improvement in groundwater quality through 2019, continued monitoring of these four piezometers at the MRDS is no longer necessary. In addition, it will eliminate the chance of a piezometer 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 NPI’s abandonment request because:

1. Isolated under the cap, the buried waste forge compound releases previously sorbed VOCs (e.g., TCA and TCE) only by diffusion, a relatively slow process. Otherwise, the waste is relatively inert (i.e., in its pure form, the forge compound consisted of approximately equal parts of graphite, asphalt, and mineral oil) and is not expected to decompose/generate leachate like many solid waste landfills. See GF’s October 2019 *MRDS SVE System Third Trial Seasonal Shutdown Assessment* report for additional details.
2. The multi-layer cap at the MRDS provides year-round protection of groundwater quality.
3. The MRDS SVE system maintains a seasonal vapor barrier as backup or secondary protection. It captures the vapor-phase VOCs diffusing from the waste forge compound before they reach the groundwater and controls the methane being generated. In addition, results from quarterly field screening of the MRDS vent wells for VOCs/methane and sampling of the SVE exhaust gas for TCE and TCA analysis are tracked as an advanced warning of potential groundwater impacts. If vapor-phase concentrations exceed threshold values, as they did prior to October 1998 when the MRDS SVE system first began operating, then continuous

Mr. Howard Caine
U.S. Environmental Protection Agency
March 4, 2020

Ms. Candace Sykora
Wisconsin Department of Natural Resources

-17-

operation of the system will resume. Again, see GF's October 2019 *MRDS SVE System Third Trial Seasonal Shutdown Assessment* report for additional details.

4. A network of six water table monitoring wells (MW-5A, MW-6, MW-62AR, MW-63A, MW-65A, and MW-66A) and four piezometers (MW-62B, MW-65B/C, and MW-66B) will remain. Figure 5 provides a schematic cross section of screened interval elevations for reference.
5. Extraction wells EW-1R and EW-2 can resume pumping groundwater, if necessary.

Table 14 summarizes the proposed piezometer abandonment request, as outlined above, and presents the 2020 groundwater sampling schedule for the site. Based on the long-term improvement in overall groundwater quality, proposed changes in the sampling schedule for 2020 include:

1. Stop measuring water levels in all on-site wells and piezometers quarterly, whether or not they are scheduled to be sampled, given that there is enough quarterly water level data to document that groundwater flow directions do not fluctuate seasonally. However, water levels will continue to be measured in all sampled wells and piezometers quarterly. In addition, water levels will be measured in virtually all monitoring wells and piezometers, regardless of whether they are 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.
2. In former Plume 1/2, reduce sampling frequency for NPI VOC analysis from:
 - a. Quarterly to semi-annual at MW-77A/B based on the relatively low levels of TCE and long-term decreasing trends. In addition, there is enough quarterly data to document that concentrations do not fluctuate seasonally.
 - b. Semi-annual to annual at MW-4B, MW-68A, and RW-3A.
 - c. Annual to biennial at MW-55C.
 - d. Annual to none at EC-2, EC-6, MW-4A, MW-34 B/C, MW-70B, MW-74A, and MW-76B (Table 14 includes notes on historical TCE concentrations for reference).
3. In former Plume 3/4, reduce sampling frequency for NPI VOC analysis from annual to none at MW-63A and MW-66B. Table 14 includes notes on historical VOC (given the history of both TCA and TCE groundwater impacts at the MRDS) concentrations for reference.

During the December 5, 2019, annual meeting at NPI, the agencies agreed that they would also consider reduced monitoring.

Mr. Howard Caine
U.S. Environmental Protection Agency
March 4, 2020

Ms. Candace Sykora
Wisconsin Department of Natural Resources

-18-

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 proposed 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 2018 *MRDS SVE System Second Trial Seasonal Shutdown Assessment* 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.
- Increased from <0.33 to 4.6 µg/ℓ in March 2017, after EW-6 stopped pumping groundwater in January. However, with EW-6 back online, TCE concentrations in MW-76A decreased from 4.6 to <0.33 µg/ℓ in June 2017, remained below detection limits for the remainder of 2017 and ranged from 0.26U to 0.36J µg/ℓ in 2018. Virtually coincidental with the January through April 2017 trial shutdown of EW-6, it appears the March 2017 TCE spike occurred because historically high-water levels in the second half of 2016 "flushed out" residual TCE previously trapped in or just above the capillary fringe and below/beyond the main building SVE system's vapor barrier. GF's February 2018 *Annual Interim Remedial Action Status Report – 2017* provides additional detail.

Mr. Howard Caine
U.S. Environmental Protection Agency
March 4, 2020

Ms. Candace Sykora
Wisconsin Department of Natural Resources

-19-

Meanwhile, the continued operation of SWC extraction well EW-6 provides hydraulic control and prevents the off-site migration of residual dissolved-phase TCE.

Because of all remedial activities completed through 2019:

- The general trend of TCE concentrations in 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, 2017, 2018, or 2019.
- All NPI VOCs were virtually non-existent in the sampled Plume 3/4 wells, EW-1R, and EW-2. In 2019, 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 in 2019.

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 (2020)

NPI plans the following work in 2020:

- 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 Plume 3/4 piezometers summarized in Table 14 upon receiving approval from the agencies.

Mr. Howard Caine
U.S. Environmental Protection Agency
March 4, 2020

Ms. Candace Sykora
Wisconsin Department of Natural Resources

-20-

- 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.
- Update GF's October 22, 1998, final O&M plan for the MRDS SVE system to include seasonal operation, etc. and submit it for agency review and comment, as Howard suggested during the December 2019 annual meeting at NPI.

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

Sincerely,

GANNETT FLEMING, INC.



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

CCW/jec/Enc

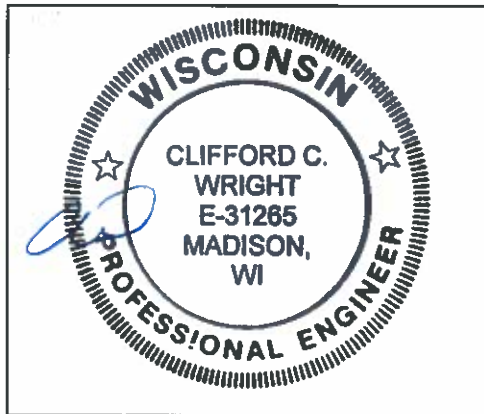
ecc: Derrick Paul (NPI)
Lane Berg (City of Eau Claire)
LeAnne Addy (Village of Lake Hallie)
Chelsea Payne, Dennis Kugle (Gannett Fleming)

ENGINEERING AND HYDROGEOLOGIST CERTIFICATIONS

I hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 4, Wis. Adm. Code; that this document has been prepared in accordance with the rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Print Name Clifford C. Wright	Title Project Engineer/Geologist
Signature <i>Clifford C. Wright</i>	Date <i>3/4/2020</i>

P.E. Seal for E-31265:



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

Print Name Clifford C. Wright	Title Project Engineer/Geologist
Signature <i>Clifford C. Wright</i>	Date <i>3/4/2020</i>

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
SVE	soil vapor extraction
SWC	Southwest Corner
TCA	1,1,1-trichloroethane
TCE	trichloroethylene
USEPA	U.S. Environmental Protection Agency
VOCs	volatile organic compounds
WAC	Wisconsin Administrative Code
WDNR	Wisconsin Department of Natural Resources
WRRD	Wisconsin Remediation and Redevelopment Database

FIGURES

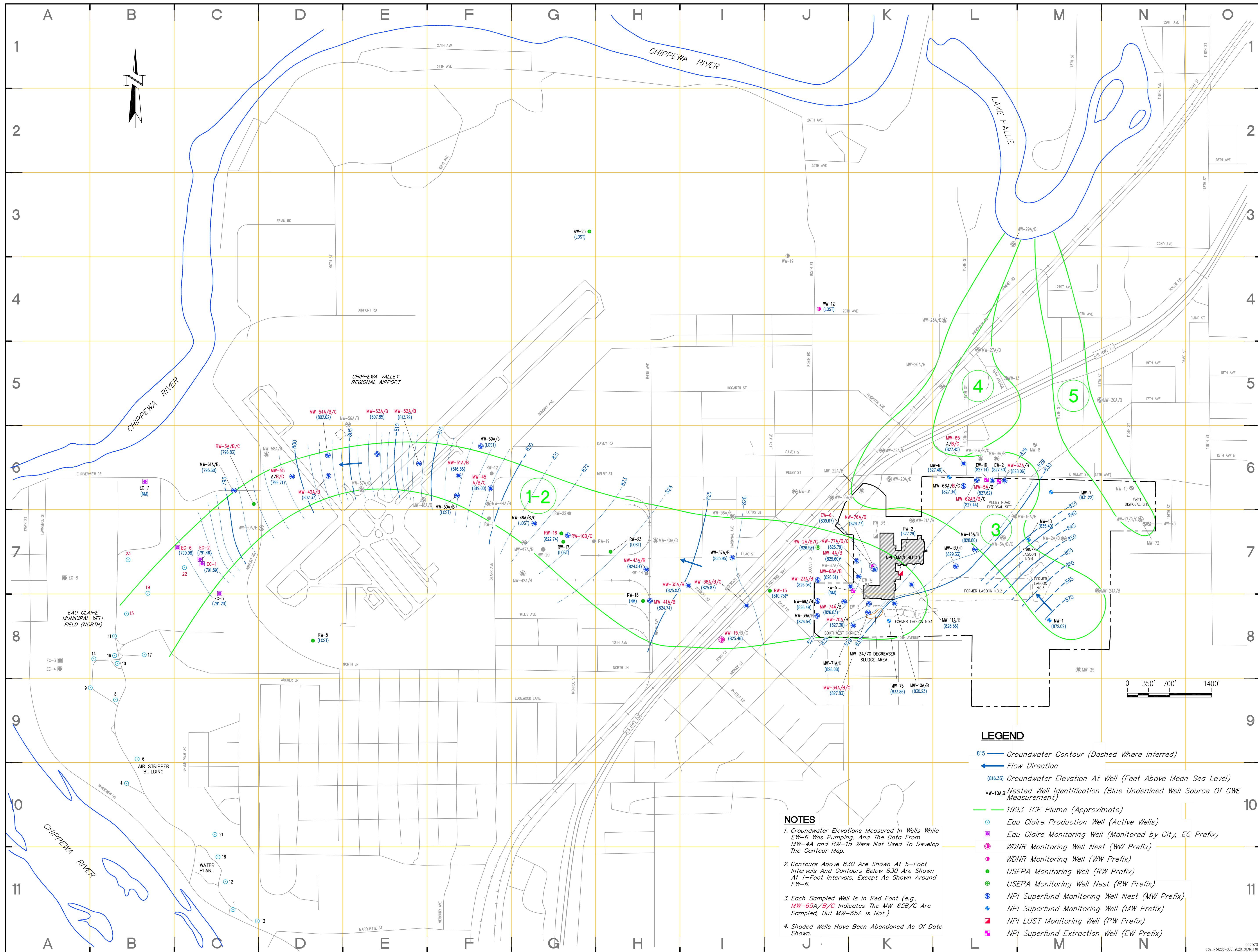
<u>No.</u>	<u>Description</u>
1	24" x 36" Water Table Groundwater Contour Map (June 2019) with 1993 Plume Locations
2	11" x 17" Site Plan Showing June 2019 Groundwater Contours
3	11" x 17" Site Plan with Three Existing SVE System Locations
4	11" x 17" Main Building SVE System and June 2019 SWC Groundwater Contour Map
5	MRDS Screened Interval Elevations and Well/Piezometer Designations

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 (2016-2019)
3	Water Level Measurements for 2019
4	NPI VOC Analytical Results from SWC Extraction Wells EW-5 and EW-6 (2016-2019)
5	NPI VOC Analytical Results from Former Plume 1/2 Monitoring Wells (2016-2019)
6	NPI VOC Analytical Results from the Eau Claire Municipal Well Field (2016-2019)
7	Dissolved Cadmium Analytical Results (2016-2019)
8	NPI VOC Analytical Results from Former Plume 3/4 Wells (2016-2019)
9	NPI VOC Analytical Results from MRDS Extraction Wells (2015-2019)
10	Annual Pumpage from NPI Groundwater Extraction Wells (2016-2019)
11	TCA Concentrations in NPI Pumped Groundwater (2016-2019)
12	TCE Concentrations in NPI Pumped Groundwater (2016-2019)
13	Summary of Results from Manhole MH-18 Sampling (2016-2019)
14	Groundwater Sampling and Well Abandonment Schedule for 2020
15	Long-term Stewardship Plan Verification/Confirmation Summary for 2019

APPENDICES

A	CD with Historical Data Summary Workbooks (available upon request)
B	Laboratory Reports for 2019 Groundwater Analytical Data (available upon request)
C	Text of the 2019 Analytical Data Validation Reports (available upon request)
D	TCE Concentration vs Time Graphs (Former Plume 1/2)
E	TCE Concentration vs Time Graphs (Former Plume 3/4)



No.	REVISIONS	DATE	BY
0	PRELIMINARY DRAFT.	12/11/19	CJP
1	FIRST DRAFT.	12/18/19	CJP
2	SECOND DRAFT.	02/20/20	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
MADISON, WISCONSIN

THIS DRAWING IS AND SHALL REMAIN THE PROPERTY OF GANNETT FLEMING ENGINEERS AND PLANNERS; REUSE ON PROJECT EXTENSIONS OR ANY OTHER PROJECT, OR ALTERATIONS OR ADDITIONS TO THIS PROJECT SHALL BE AT THE USER'S SOLE RISK, AND WITHOUT LIABILITY TO GANNETT FLEMING ENGINEERS AND PLANNERS.

PROJECT
2019 ANNUAL REPORT
NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

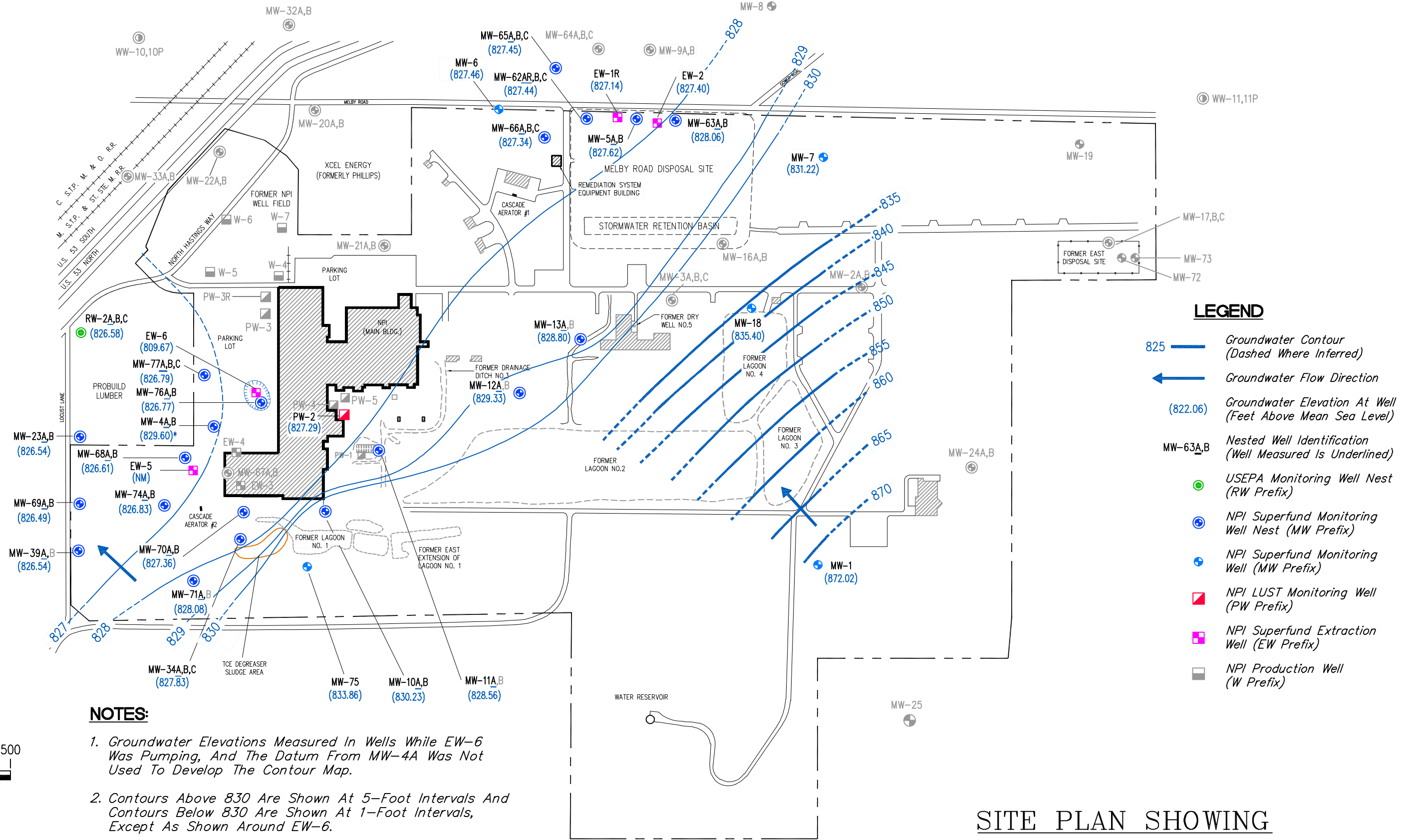
TITLE
WATER TABLE GROUNDWATER CONTOUR MAP (JUNE 2019) WITH 1993 PLUME LOCATIONS

Gannett Fleming

HARRISBURG, PENNSYLVANIA	MADISON, WISCONSIN
DRAWN BY	SCALE
CJP	1" = 700'
DESIGNED BY	PROJECT No.
CJP	34283.000
APPROVED BY	DRAWING No.
CCW	FIGURE 1
DATE	FEBRUARY 2020

- NOTES**
- Groundwater Elevations Measured in Wells While EW-6 Was Pumping, And The Data From MW-4A and RW-15 Were Not Used To Develop The Contour Map.
 - Contours Above 830 Are Shown At 5-Foot Intervals And Contours Below 830 Are Shown At 1-Foot Intervals, Except As Shown Around EW-6.
 - Each Sampled Well Is In Red Font (e.g., MW-65A/B/C Indicates The MW-65B/C Are Sampled, But MW-65A Is Not.)
 - Shaded Wells Have Been Abandoned As Of Date Shown.

- 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)
 - 1993 TCE Plume (Approximate)
 - Eau Claire Production Well (Active Wells)
 - ⊕ Eau Claire Monitoring Well (Monitored by City, EC Prefix)
 - ⊙ WDNR Monitoring Well Nest (WW Prefix)
 - WDNR Monitoring Well (WW Prefix)
 - USEPA Monitoring Well (RW Prefix)
 - USEPA Monitoring Well Nest (RW Prefix)
 - NPI Superfund Monitoring Well Nest (MW Prefix)
 - NPI Superfund Monitoring Well (MW Prefix)
 - NPI LUST Monitoring Well (PW Prefix)
 - NPI Superfund Extraction Well (EW Prefix)

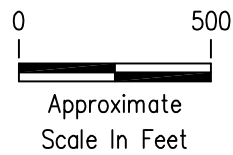


LEGEND

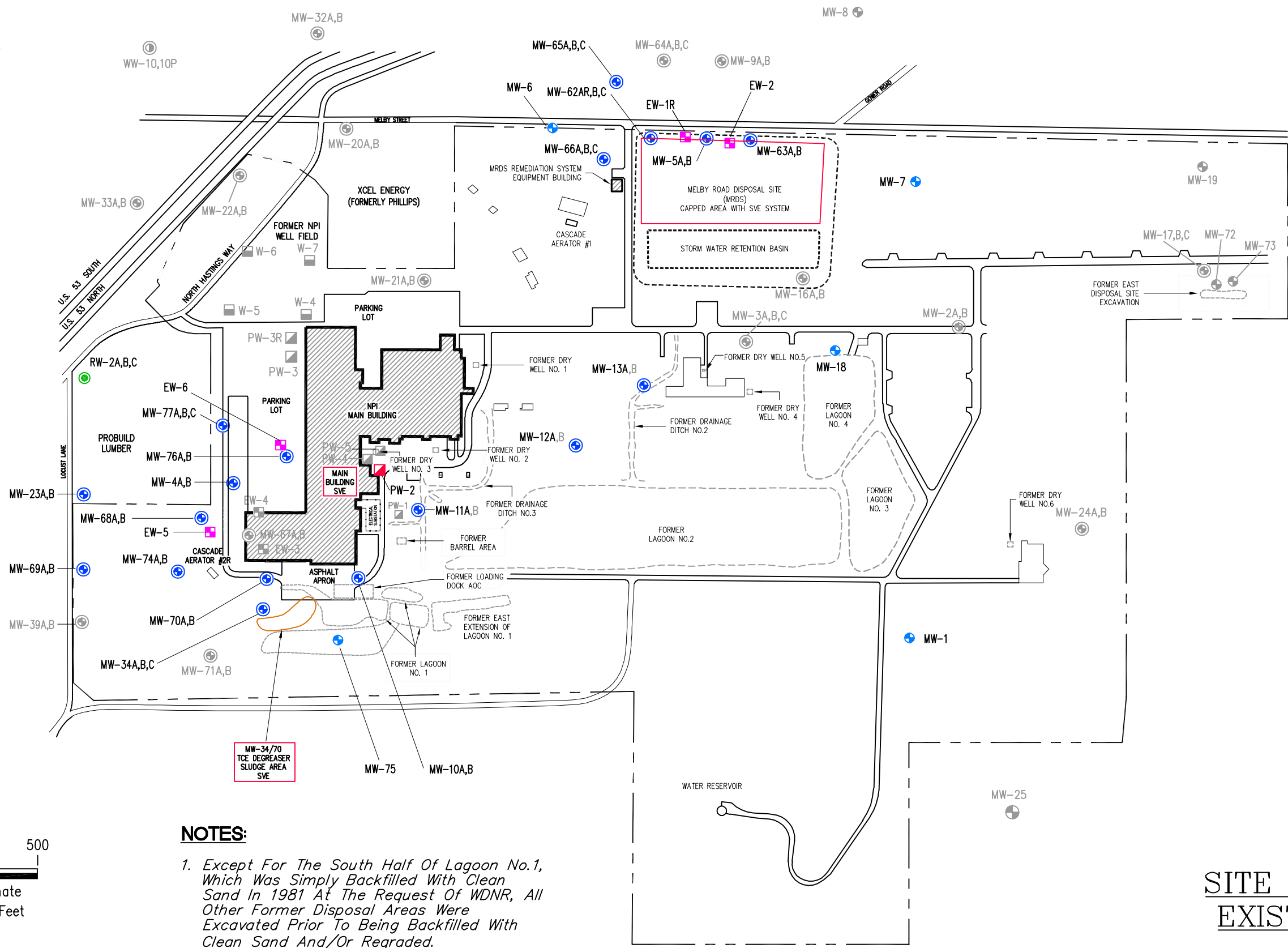
- 825 — Groundwater Contour (Dashed Where Inferred)
- ← Groundwater Flow Direction
- (822.06) Groundwater Elevation At Well (Feet Above Mean Sea Level)
- MW-63A,B Nested Well Identification (Well Measured Is Underlined)
- USEPA Monitoring Well Nest (RW Prefix)
- ⊕ NPI Superfund Monitoring Well Nest (MW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

NOTES:

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



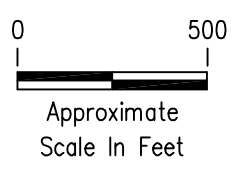
**SITE PLAN SHOWING
JUNE 2019 GROUNDWATER CONTOURS**
2019 ANNUAL REPORT
NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN



LEGEND

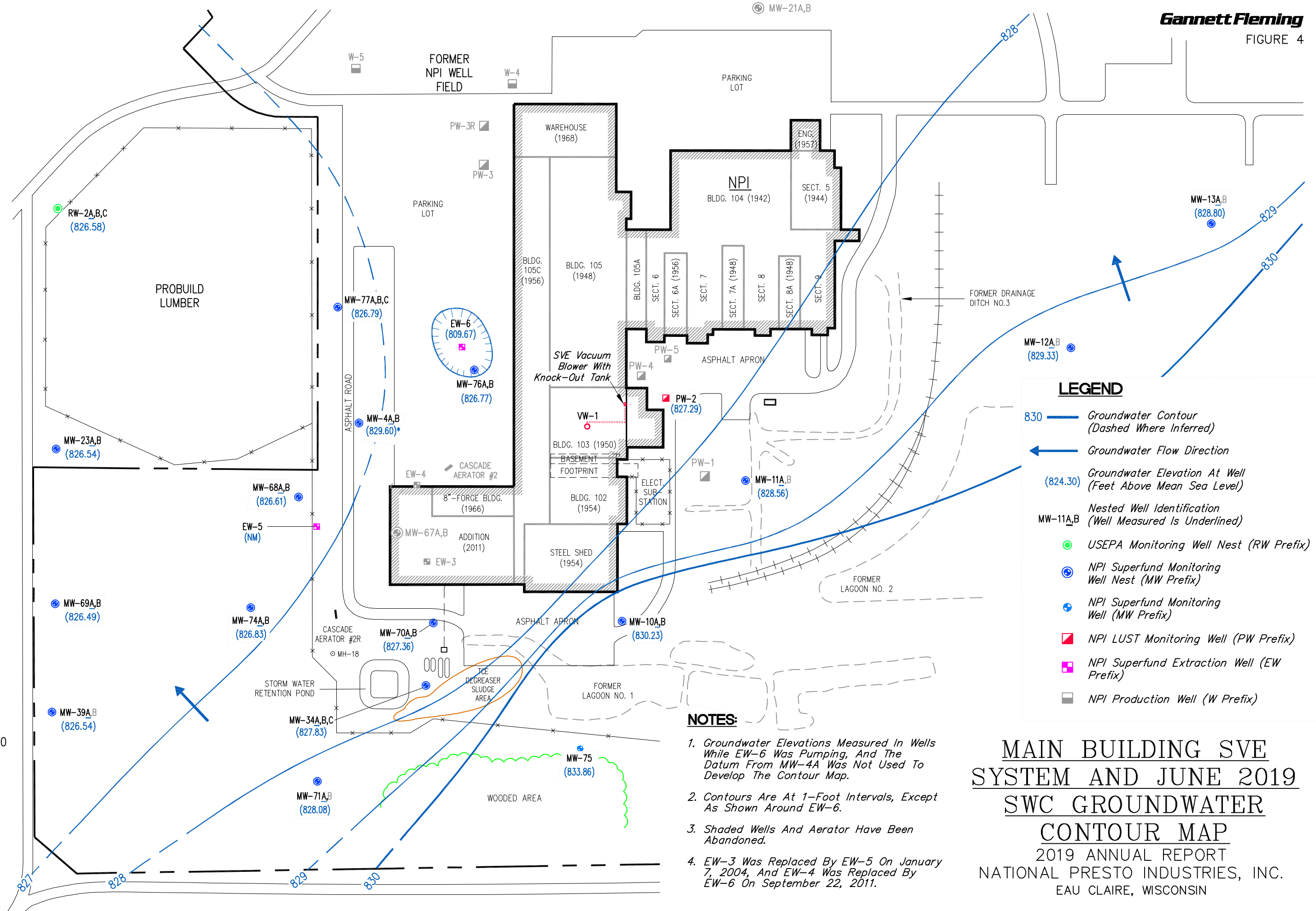
- Individual Areas With Existing SVE Systems
- MW-63A,B NPI Superfund Monitoring Well Nest (MW Prefix)
- USEPA Monitoring Well Nest (RW Prefix)
- ⊕ NPI Superfund Monitoring Well Nest (MW Prefix)
- ⊕ NPI Superfund Monitoring Well (MW Prefix)
- ▣ NPI LUST Monitoring Well (PW Prefix)
- NPI Superfund Extraction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

2019 ANNUAL REPORT
NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN



LEGEND

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

- NOTES:**
1. Groundwater Elevations Measured In Wells While EW-6 Was 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 JUNE 2019
SWC GROUNDWATER
CONTOUR MAP**
2019 ANNUAL REPORT
NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

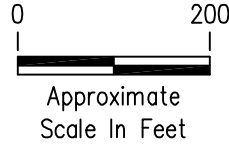
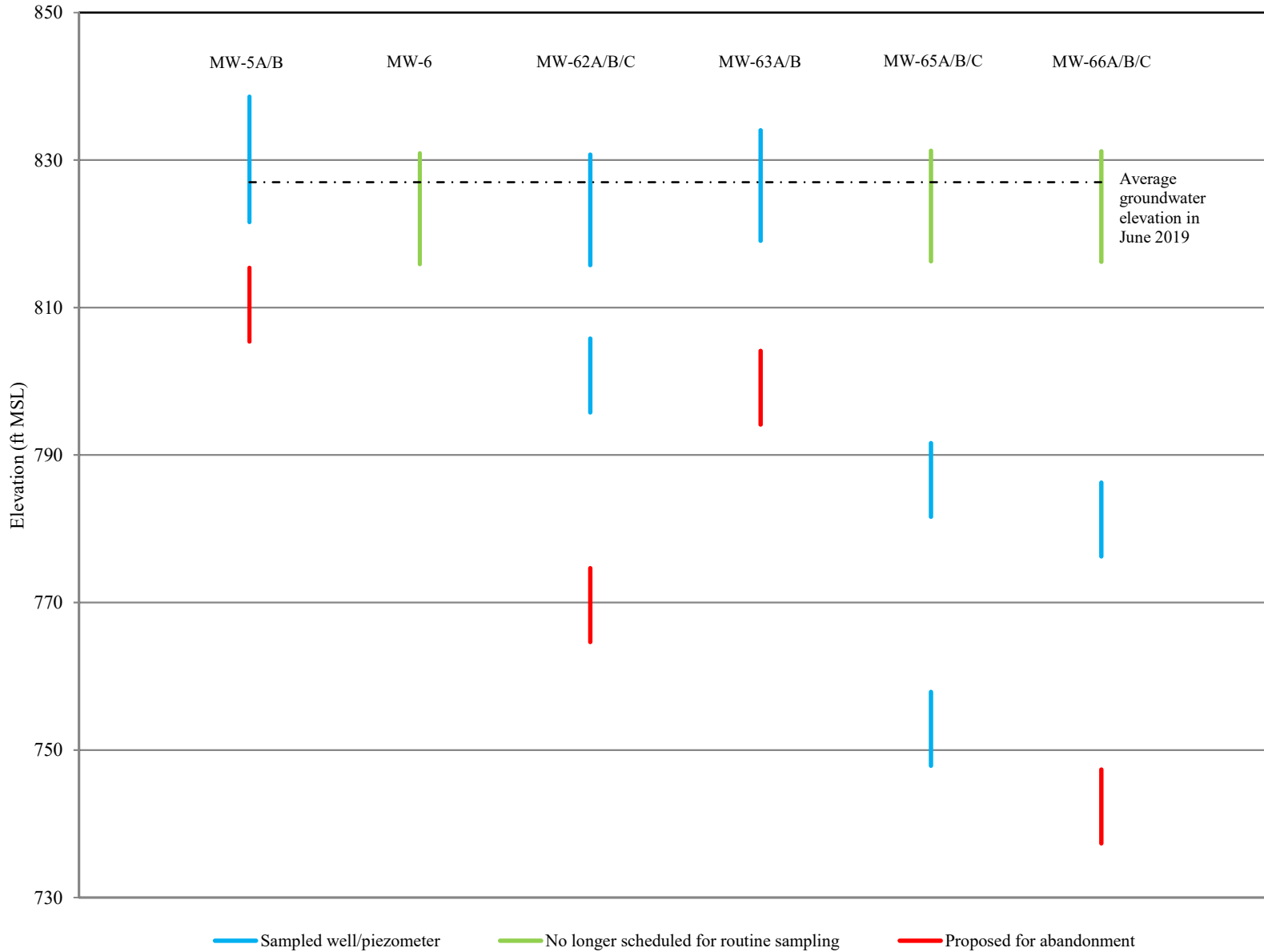


FIGURE 5



MRDS SCREENED INTERVAL ELEVATIONS AND WELL/PIEZOMETER DESIGNATIONS

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

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)	Casing Diameter (inches)	Well Top Type	Casing/ Screen Material	Top of Casing Elevation (ft MSL)	Date of Abandonment
CW-10 (city production well)	1/2	B8		CT	1945	65-95	Gravel	20		Bronze	--	NA
CW-11	1/2	B8		CT	1947	56-90	Gravel	20		Bronze	--	NA
CW-14	1/2	B8		CT	1968	63-99	Gravel packed	16		SS	--	NA
CW-15	1/2	B8		CT	1968	62-87	Gravel packed	16		SS	--	NA
CW-16	1/2	B8		CT	1975	75-110	Gravel	20		SS	--	NA
CW-17	1/2	B8		CT	1975	65-100	Gravel	20		SS	--	NA
CW-19	1/2	B7		CT	1992	72-97	Gravel	20		SS	--	NA
CW-22	1/2	C7		CT	2017	54-100	Gravel	20		SS	--	NA
CW-23	1/2	B7		CT	2017	55-80	Gravel	20		SS	--	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 abandonment-kept by city)	1/2	B6		--	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	(1)	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	(2)	HSA	10/26/76	39.5-49.5	Alluvium	2	P	PVC	910.26	NA
MW-2A	3/4	M7	(2,3)	HSA	10/27/76	45-55	Bedrock	2		PVC	905.19	07/15/88
MW-2B	3/4	M7	(2)	HSA	10/27/76	6-16	Alluvium	2		PVC	905.19	07/15/88
MW-3A	3/4	L7	(2,3)	HSA	10/28/76	69-72	Bedrock	2		PVC	899.95	07/15/88
MW-3B	3/4	L7	(2,3)	HSA	10/28/76	73-76	Bedrock	2		PVC	899.95	07/15/88
MW-3C	3/4	L7	(2,3)	HSA	10/28/76	77-80	Bedrock	2		PVC	899.95	07/15/88
MW-4A	1/2	K7	(2)	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	(2)	HSA	02/27/84	64-81	Alluvium	2	P	PVC	902.60	NA
MW-5B	3/4	L6	(2)	MR	12/05/86	87-97	Alluvium	2	P	PVC	902.39	NA
MW-6	3/4	L6	(2)	HSA	01/10/85	73.8-88.8	Alluvium	2	P	PVC	904.70	NA
MW-7	3/4	M6	(2,3)	MR	01/08/85	62-77	Bedrock	2	P	PVC	897.73	NA
MW-8	3/4	M6	(2)	HSA	01/11/85	75-90	Alluvium	2	P	PVC	904.24	05/07/18
MW-9A	3/4	L6	(2)	MR	03/28/85	80-90	Alluvium	2	P	PVC	905.30	04/24/18
MW-9B	3/4	L6	(2,3)	HSA	03/28/85	98-113	Bedrock	2	P	PVC	905.30	04/24/18
MW-10A	1/2	K8	(3)	HSA	11/14/86	56-71	Both	2	P	PVC	894.84	NA
MW-10B	1/2	K8	(3)	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	(3)	MR	11/17/86	77-87	Bedrock	2	P	PVC	896.27	11/23/11
MW-12A	1/2	L7		HSA	11/18/86	58-73	Alluvium	2	P	PVC	897.09	NA
MW-12B	1/2	L7	(3)	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	(3)	HSA	11/21/86	81-91	Bedrock	2	P	PVC	?	11/23/11
MW-14 (nka EW-1)	3/4	L6	(1)	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	(3)	HSA	11/25/86	58-73	Bedrock	2		PVC	896.62	08/21/98
MW-16B	3/4	M7	(3)	MR	11/24/86	83.5-93.5	Bedrock	2		PVC	896.51	08/21/98
MW-17	5	N7	(3)	HSA	12/03/86	25-40	Both	2	P	PVC	898.91	11/23/11
MW-17B	5	N7	(3)	HSA	12/04/86	50-60	Bedrock	2	P	PVC	899.12	11/23/11
MW-17C	5	N7	(3)	MR	05/20/88	70-80	Bedrock	2	P	PVC	899.50	11/23/11
MW-18	3/4	M7	(3)	HSA	05/19/88	58-73	Bedrock	2	P	PVC	898.38	NA
MW-19	5	N6	(3)	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

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)	Casing Diameter (inches)	Well Top Type	Casing/ Screen Material	Top of Casing Elevation (ft MSL)	Date of Abandonment
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	(3)	MR	05/25/88	45-60	Bedrock	2		PVC	915.66	09/05/08
MW-24B	3/4	M7	(3)	MR	05/23/88	70-80	Bedrock	2		PVC	915.57	09/05/08
MW-25	3/4	M8	(3)	HSA	05/17/88	39-54	Both	2		PVC	930.35	09/05/08
MW-26A	3/4	L5		HSA	06/22/89	63-78	Alluvium	2	F	PVC	890.17	05/04/18
MW-26B	3/4	L5		MR	06/20/89	109-119	Alluvium	2	F	PVC	890.03	05/04/18
MW-27A	3/4	L5		HSA	06/21/89	62-77	Alluvium	2	F	PVC	890.20	05/04/18
MW-27B	3/4	L5		MR	06/20/89	85.3-95.3	Alluvium	2	F	PVC	890.15	05/04/18
MW-28A	3/4	L4		HSA	06/08/89	65-80	Alluvium	2		PVC	892.86	06/15/99
MW-28B	3/4	L4		MR	06/08/89	113-123	Alluvium	2		PVC	893.16	06/15/99
MW-29A	3/4	L3		HSA	05/25/89	69-84	Alluvium	2	P	PVC	892.72	05/08/18
MW-29B	3/4	L3		MR	05/31/89	124-134	Alluvium	2	P	PVC	892.49	05/08/18
MW-30A	5	M5		HSA	06/12/89	66-81	Alluvium	2		PVC	898.69	09/08/08
MW-30B	5	M5		MR	06/10/89	115-125	Alluvium	2		PVC	898.49	09/08/08
MW-31	1/2	J6		HSA	06/02/89	56-71	Alluvium	2		PVC	887.65	09/09/08
MW-32A	3/4	K6		HSA	06/23/89	59-74	Alluvium	2		PVC	887.83	04/08/95
MW-32B	3/4	K6		MR	06/21/89	90-100	Alluvium	2		PVC	887.77	04/08/95
MW-33A	1/2	J6		HSA	07/07/89	55-70	Alluvium	2		PVC	885.30	04/07/10
MW-33B	1/2	J6		MR	07/07/89	100-110	Alluvium	2		PVC	885.25	04/07/10
MW-34A (data per boring log)	1/2	K8		HSA	06/08/90	67-72	Alluvium	2	P	PVC	895.36	NA
MW-34B (data per boring log)	1/2	K8	(3)	MR	05/31/90	90-100	Both	2	P	PVC	895.28	NA
MW-34C	1/2	K8	(3)	--	--	?-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		HSA	08/21/91	63-78	Alluvium	2	F	PVC	886.20	NA
MW-45B	1/2	F6		MR	09/11/91	101-111	Alluvium	2	F	PVC	886.26	NA
MW-45C	1/2	F6		MR	08/26/91	134-144	Alluvium	2	F	PVC	886.05	NA
MW-46A (not found)	1/2	G7		HSA	08/22/91	60-75	Alluvium	2	P	PVC	885.46	NA
MW-46B (not found)	1/2	G7		MR	09/12/91	99.5-109.5	Alluvium	2	P	PVC	885.42	NA
MW-46C (not found)	1/2	G7		MR	08/28/91	134.3-144.3	Alluvium	2	P	PVC	885.38	NA
MW-47A	1/2	G7		HSA	08/23/91	60-75	Alluvium	2	P	PVC	888.39	05/08/18
MW-47B	1/2	G7		MR	09/04/91	100-110	Alluvium	2	P	PVC	888.24	05/08/18
MW-48A	1/2	E6		HSA	09/07/91	66.5-81.5	Alluvium	2	F	PVC	885.15	12/01/11
MW-48B	1/2	E6		MR	09/06/91	93-103	Alluvium	2	F	PVC	885.40	12/01/11
MW-49A	1/2	D6		HSA	09/10/91	78.5-91.5	Alluvium	2	F	PVC	883.04	NA
MW-49B	1/2	D6		MR	09/09/91	107-117	Alluvium	2	F	PVC	883.02	NA
MW-50A (not found)	1/2	F6		HSA	09/16/91	63.4-78.4	Alluvium	2	F	PVC	883.61	NA
MW-50B (not found)	1/2	F6		MR	09/15/91	95-105	Alluvium	2	F	PVC	883.57	NA

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)	Casing Diameter (inches)	Well Top Type	Casing/ Screen Material	Top of Casing Elevation (ft MSL)	Date of Abandonment
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 abandonment, but can't find)	1/2	F6		HSA	11/08/91	62-77	Alluvium	2		PVC	882.00	NA
MW-59B (approved for abandonment, but can't find)	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	NA
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	NA
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	(4)	HSA	06/27/92	66.5-81.5	Alluvium	2	F	PVC	897.70	NA
MW-66B	3/4	L6	(4)	MR	07/01/92	111-121	Alluvium	2	F	PVC	897.26	NA
MW-66C	3/4	L6	(4)	MR	06/27/92	150-160	Alluvium	2	F	PVC	897.35	NA
MW-67A	1/2	K7		HSA	06/22/92	61-76	Alluvium	2		PVC	895.96	09/22/10
MW-67B	1/2	K7		MR	07/09/92	77.8-82.8	Alluvium	2		PVC	895.79	09/22/10
MW-68A	1/2	J7		HSA	07/08/92	63.5-78.5	Alluvium	2	P	PVC	896.47	NA
MW-68B	1/2	J7		MR	06/19/92	97-107	Alluvium	2	P	PVC	896.77	NA
MW-69A	1/2	J8		HSA	07/09/92	65-80	Alluvium	2	P	PVC	898.02	NA
MW-69B	1/2	J8		MR	06/21/92	108.8-118.8	Alluvium	2	P	PVC	898.23	NA
MW-70A	1/2	K8	(5)	HSA	06/22/92	62-77	Alluvium	2	F	PVC	893.49	NA
MW-70B	1/2	K8	(5)	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	(3)	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	(3)	MR	07/09/03	95-100	Bedrock	2	P	PVC	895.88	NA
MW-75	1/2	K8	(3)	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

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)	Casing Diameter (inches)	Well Top Type	Casing/ Screen Material	Top of Casing Elevation (ft MSL)	Date of Abandonment
PW-1	1/2	K7		HSA	01/05/94	65-75	Alluvium	2		PVC	898.28	09/08/08
PW-2 (approved for aband.-kept for WL measurements)	1/2	K7		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	(3)	HSA	02/04/86	53-78	Both	2		PVC	884.65	09/10/08
RW-5 (approved for abandonment, but can't find)	1/2	D8		HSA	01/18/86	82-112	Alluvium	2		PVC	882.19	NA
RW-6	1/2	D7	(3)	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	(3)	HSA	08/11/87	65-75	Bedrock	2		PVC	885.57	09/03/08
RW-14	1/2	H7		HSA	07/24/87	54-114	Alluvium	2		PVC	888.06	07/27/09
RW-15	1/2	J7		HSA	07/24/87	52-92	Alluvium	2	P	PVC	874.76	NA
RW-16	1/2	G7		HSA	07/28/87	63-73	Alluvium	2	P	SS	888.87	NA
RW-16B	1/2	G7		HSA	02/06/91	103-113	Alluvium	2	P	PVC	889.66	NA
RW-16C	1/2	G7		MR	01/31/91	142.5-152.5	Alluvium	2	P	PVC	890.01	NA
RW-17 (approved for abandonment, but can't find)	1/2	G7		HSA	07/29/87	60-70	Alluvium	2		SS	890.24	NA
RW-18 (not found; PW-6 on Indianhead property?)	1/2	H8		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 abandonment, but can't find)	1/2	G3	(3)	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

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)	Casing Diameter (inches)	Well Top Type	Casing/ Screen Material	Top of Casing Elevation (ft MSL)	Date of Abandonment
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	11265 16th Ave			--	--	TD = 73.4	--	4		--	--	09/09/08

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.
EAU CLAIRE, WISCONSIN

TABLE 2B

SUMMARY OF AIR EMISSIONS FROM/TCE REMOVAL BY NPI SVE SYSTEMS (2016-2019)⁽¹⁾

Year	Main Building SVE ⁽²⁾					MRDS SVE ⁽³⁾				MW-34/70 Area SVE ⁽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)	Hourly (lb/hr)	Annual (lb)	Cumulative (lb)	Hourly (lb/hr)	Annual (lb)	Hourly (lb/hr)	Annual (lb)
2016	0.00085	2.6	4.4	0.0035	10.1	NC	NC	0.00024	1.2	0.0013	5.7	191.7	0.0015	6.7	0.0052	18.0
2017	0.00140	8.7	13.1	0.0017	11.3	NC	NC	0.00031	0.61	0.0010	4.3	196.0	0.0012	5.0	0.0032	16.91
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	15.8	NC	NC	0.00030	0.70	0.00205	8.4	207.6	0.00242	9.9	0.0050	26.40

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 TCE was not detected in the MRDS SVE system exhaust gas at least once during the year and total VOC emissions are not elevated.

DCA = 1,1,-Dichloroethane.

PCE = Tetrachloroethylene.

TCA = 1,1,1-Trichloroethane.

TCE = Trichloroethylene.

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 completed 6-month trial seasonal shut downs 12/6/16 - 6/5/17, 12/14/17 - 6/15/18, and 12/14/18 - 6/2/19.

(4) The exhaust gas from the MW-34/70 area SVE system is sampled only annually and then typically during one of the warm summer months. 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

2019 WATER LEVEL MEASUREMENTS⁽¹⁾

Well Group/ Well ID	Measuring Point Elevation (ft MSL)		3/25-26/2019 (Q1)		6/10-12/2019 (Q2)		08/19/2019 (Q3)		12/03-04/2019 (Q4)	
	Q1	Q2-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	813.95	NM	NM	22.36	791.59	NM	NM	NM	NM
EC-2	814.44	814.44	NM	NM	22.98	791.46	NM	NM	NM	NM
EC-5	813.56	813.56	NM	NM	22.36	791.20	NM	NM	NM	NM
EC-6	813.19	813.19	NM	NM	22.21	790.98	NM	NM	NM	NM
EW-5	889.90	889.90	NM	NM	NM	NM	NM	NM	NM	NM
EW-6	894.89	894.89	84.60	810.29	85.22	809.67	86.00	808.89	90.05	804.84
MW-4A	897.25	897.25	68.31	828.94	67.65	829.60	66.75	830.50	66.12	831.13
MW-4B	896.65	896.65	68.27	828.38	67.65	829.00	66.73	829.92	66.10	830.55
MW-10A	894.60	894.60	65.03	829.57	64.37	830.23	63.64	830.96	63.13	831.47
MW-10B	894.91	894.91	65.55	829.36	64.88	830.03	63.99	830.92	63.40	831.51
MW-11A	897.20	897.20	69.25	827.95	68.64	828.56	67.80	829.40	67.20	830.00
MW-12A	896.95	896.95	68.12	828.83	67.62	829.33	66.64	830.31	66.05	830.90
MW-23A	895.99	895.99	NM	NM	69.45	826.54	NM	NM	NM	NM
MW-23B	895.95	895.95	NM	NM	69.18	826.77	NM	NM	NM	NM
MW-34A	895.36	895.36	68.25	827.11	67.53	827.83	66.55	828.81	65.90	829.46
MW-34B	895.28	895.28	68.18	827.10	67.42	827.86	66.51	828.77	65.88	829.40
MW-34C	895.25	895.25	68.07	827.18	67.37	827.88	66.43	828.82	65.82	829.43
MW-35A	888.28	888.28	NM	NM	63.25	825.03	NM	NM	NM	NM
MW-35B	888.02	888.02	NM	NM	62.97	825.05	NM	NM	NM	NM
MW-37A	885.55	885.55	NM	NM	59.60	825.95	NM	NM	NM	NM
MW-37B	885.27	885.27	NM	NM	59.32	825.95	NM	NM	NM	NM
MW-38A	884.89	884.89	(2)	(2)	59.02	825.87	NM	NM	NM	NM
MW-38B	884.82	884.82	(2)	(2)	58.82	826.00	NM	NM	NM	NM
MW-38C	884.83	884.83	(2)	(2)	58.88	825.95	NM	NM	NM	NM
MW-39A	896.17	896.17	70.28	825.89	69.63	826.54	68.72	827.45	(3)	(3)
MW-41A	884.04	884.04	NM	NM	59.30	824.74	NM	NM	NM	NM
MW-41B	883.84	883.84	NM	NM	59.10	824.74	NM	NM	NM	NM
MW-43A	885.34	885.34	NM	NM	60.80	824.54	NM	NM	NM	NM
MW-43B	885.35	885.35	NM	NM	60.83	824.52	NM	NM	NM	NM
MW-45A	886.20	886.20	NM	NM	67.20	819.00	NM	NM	NM	NM
MW-45B	886.26	886.26	NM	NM	67.26	819.00	NM	NM	NM	NM
MW-45C	886.05	886.05	NM	NM	64.07	821.98	NM	NM	NM	NM
MW-49A	883.04	883.04	NM	NM	80.67	802.37	NM	NM	NM	NM
MW-49B	883.02	883.02	NM	NM	80.70	802.32	NM	NM	NM	NM
MW-51A	884.02	884.02	NM	NM	67.46	816.56	NM	NM	NM	NM
MW-51B	883.99	883.99	NM	NM	67.45	816.54	NM	NM	NM	NM
MW-52A	884.13	884.13	NM	NM	70.34	813.79	NM	NM	NM	NM
MW-52B	884.12	884.12	NM	NM	70.25	813.87	NM	NM	NM	NM
MW-53A	887.93	887.93	NM	NM	80.08	807.85	NM	NM	NM	NM
MW-53B	888.25	888.25	NM	NM	80.15	808.10	NM	NM	NM	NM
MW-54A	882.42	882.42	NM	NM	79.80	802.62	NM	NM	NM	NM
MW-54B	882.43	882.43	NM	NM	79.84	802.59	NM	NM	NM	NM

TABLE 3

2019 WATER LEVEL MEASUREMENTS⁽¹⁾

Well Group/ Well ID	Measuring Point Elevation (ft MSL)		3/25-26/2019 (Q1)		6/10-12/2019 (Q2)		08/19/2019 (Q3)		12/03-04/2019 (Q4)	
	Q1	Q2-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-54C	882.54	882.54	NM	NM	79.78	802.76	NM	NM	NM	NM
MW-55A	881.75	881.75	NM	NM	82.04	799.71	NM	NM	NM	NM
MW-55B	882.08	882.08	NM	NM	82.40	799.68	NM	NM	NM	NM
MW-55C	881.91	881.91	NM	NM	82.11	799.80	NM	NM	NM	NM
MW-61A	879.37	879.37	NM	NM	83.77	795.60	NM	NM	NM	NM
MW-61B	879.58	879.58	NM	NM	83.96	795.62	NM	NM	NM	NM
MW-68A	896.47	896.47	70.49	825.98	69.86	826.61	68.95	827.52	68.32	828.15
MW-68B	896.77	896.77	70.80	825.97	70.18	826.59	69.28	827.49	68.63	828.14
MW-69A	898.02	898.02	72.18	825.84	71.53	826.49	NM	NM	70.05	827.97
MW-69B	898.23	898.23	72.38	825.85	71.76	826.47	NM	NM	70.23	828.00
MW-70A	895.68	893.49	69.03	826.65	66.13	827.36	65.19	828.30	64.55	828.94
MW-70B	895.67	893.62	(4)	(4)	66.27	827.35	65.33	828.29	64.69	828.93
MW-71A	894.70	894.70	67.34	827.36	66.62	828.08	65.69	829.01	(3)	(3)
MW-74A	896.08	896.08	69.91	826.17	69.25	826.83	68.32	827.76	67.73	828.35
MW-74B	895.88	895.88	69.68	826.20	68.98	826.90	68.17	827.71	67.48	828.40
MW-75	890.61	890.61	57.80	832.81	56.75	833.86	56.18	834.43	55.56	835.05
MW-76A	894.80	894.80	68.70	826.10	68.03	826.77	67.15	827.65	66.50	828.30
MW-76B	895.12	895.12	69.03	826.09	68.36	826.76	67.49	827.63	66.85	828.27
MW-77A	895.22	895.22	69.06	826.16	68.43	826.79	67.52	827.70	66.87	828.35
MW-77B	895.21	895.21	69.03	826.18	68.41	826.80	67.45	827.76	66.84	828.37
MW-77C	895.18	895.18	69.03	826.15	68.36	826.82	67.45	827.73	66.80	828.38
PW-2	894.46	894.46	67.78	826.68	67.17	827.29	66.25	828.21	(2)	(2)
RW-2A	897.18	897.18	71.22	825.96	70.60	826.58	NM	NM	NM	NM
RW-2B	896.78	896.78	70.79	825.99	70.18	826.60	NM	NM	NM	NM
RW-2C	897.57	897.57	71.63	825.94	70.98	826.59	NM	NM	NM	NM
RW-3A	881.78	881.78	NM	NM	84.95	796.83	NM	NM	84.80	796.98
RW-3B	881.48	881.48	NM	NM	84.63	796.85	NM	NM	84.45	797.03
RW-3C	881.30	881.30	NM	NM	84.44	796.86	NM	NM	84.27	797.03
RW-15	874.76	874.76	64.69	810.07	64.01	810.75	NM	NM	NM	NM
RW-16	888.87	888.87	NM	NM	66.13	822.74	NM	NM	NM	NM
RW-16B	889.66	889.66	NM	NM	66.95	822.71	NM	NM	NM	NM
RW-16C	890.01	890.01	NM	NM	67.30	822.71	NM	NM	NM	NM
WW-15	882.61	882.61	57.85	824.76	57.15	825.46	NM	NM	NM	NM
Melby Road Disposal Site Area to Lake Hallie (former Plumes 3/4)										
EW-1R	900.08	900.08	73.49	826.59	72.94	827.14	71.98	828.10	71.33	828.75
EW-2	901.46	901.46	74.61	826.85	74.06	827.40	73.11	828.35	72.45	829.01
MW-1	910.26	910.26	42.36	867.90	38.24	872.02	37.60	872.66	NM	NM
MW-5A	902.60	902.60	75.51	827.09	74.98	827.62	74.20	828.40	73.36	829.24
MW-5B	902.39	902.39	75.35	827.04	74.81	827.58	73.85	828.54	73.18	829.21
MW-6	904.70	904.70	77.82	826.88	77.24	827.46	76.30	828.40	75.66	829.04
MW-7	897.73	897.73	(2)	(2)	66.51	831.22	65.65	832.08	65.14	832.59
MW-13A	896.72	896.72	68.33	828.39	67.92	828.80	66.90	829.82	66.24	830.48
MW-18	898.38	898.38	63.67	834.71	62.98	835.40	62.23	836.15	61.87	836.51
MW-62AR	901.69	901.69	74.78	826.91	74.25	827.44	73.30	828.39	72.64	829.05
MW-62B	901.79	901.79	74.88	826.91	74.35	827.44	73.40	828.39	72.74	829.05
MW-62C	901.15	901.15	74.26	826.89	73.72	827.43	72.80	828.35	72.09	829.06
MW-63A	902.59	902.59	75.11	827.48	74.53	828.06	73.63	828.96	72.96	829.63

TABLE 3

2019 WATER LEVEL MEASUREMENTS⁽¹⁾

Well Group/ Well ID	Measuring Point Elevation (ft MSL)		3/25-26/2019 (Q1)		6/10-12/2019 (Q2)		08/19/2019 (Q3)		12/03-04/2019 (Q4)	
	Q1	Q2-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-63B	902.12	902.12	74.65	827.47	74.12	828.00	73.18	828.94	72.52	829.60
MW-65A	891.68	891.68	64.82	826.86	64.23	827.45	63.33	828.35	62.69	828.99
MW-65B	891.62	891.62	64.75	826.87	64.18	827.44	63.25	828.37	NM	NM
MW-65C	891.77	891.77	64.85	826.92	64.33	827.44	63.40	828.37	62.75	829.02
MW-66A	897.70	897.70	70.91	826.79	70.36	827.34	69.43	828.27	68.78	828.92
MW-66B	897.26	897.26	70.47	826.79	69.92	827.34	68.98	828.28	68.33	828.93
MW-66C	897.35	897.35	70.51	826.84	69.96	827.39	69.05	828.30	68.33	829.02

NOTES:

MW-70A/B were changed from stickup to flush-mount wells in May 2019; their measuring point elevations decreased as a result.
 NM = Not measured.

FOOTNOTES:

- (1) Wells that cannot be located are not shown including MW-46A/B/C, MW-50A/B, MW59A, RW-18, and RW-23.
- (2) Well not accessible due to ice/snow cover; depth to water/water elevation not measured.
- (3) Abandoned.
- (4) Top of casing damaged; depth to water/water elevation not measured.

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

TABLE 4

NPI VOC ANALYTICAL RESULTS FROM SWC EXTRACTION WELLS EW-5 AND EW-6 (2016-2019)

Well ID Sample Date	Sample Method/ MCL/ES/PAL	NPI Volatile Organic Compound (VOC) Concentration (µg/ℓ) and Results Qualifier(s)									
		1,1-DCA		1,1-DCE		PCE		1,1,1-TCA		TCE	
	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⁾											
03/21/16	H	0.24	U	0.41	U	0.50	U	0.50	U	0.66	J
03/21/16	L	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	0.34	J
08/30/16	L	0.24	U	0.41	U	0.50	U	0.50	U	0.43	J
12/06/16	H	0.24	U	0.41	U	0.50	U	0.50	U	0.75	J
12/06/16	L	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
03/21/17	H	0.24	U	0.41	U	0.50	U	0.50	U	0.34	J
03/21/17	L	0.24	U	0.41	U	0.50	U	0.50	U	0.47	J
06/13/17	H	0.24	U	0.41	U	0.50	U	0.50	U	0.39	J
06/13/17	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	0.37	J
08/28/17	L	0.24	UA	0.41	UA	0.50	UA	0.50	UA	0.40	JA
12/13/17	H	0.24	U	0.41	U	0.50	U	0.50	U	0.64	J
12/13/17	L	0.24	U	0.41	U	0.50	U	0.50	U	0.36	J
EW-6 (extraction well at Grid Coordinate K7) ⁽²⁾											
03/21/16	G	0.24	U	0.41	U	0.50	U	1.3		0.75	J
06/13/16	G	0.24	U	0.41	U	0.50	U	1.5		0.81	J
08/30/16	G	0.24	U	0.41	U	0.50	U	1.1		0.73	J
12/06/16	G	0.24	U	0.41	U	0.50	U	1.2		0.70	J
03/21/17	H	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
06/13/17	G	0.24	U	0.41	U	0.50	U	1.4		0.75	J
08/28/17	G	0.24	UA	0.41	UA	0.50	UA	1.3	A	0.82	JA
12/13/17	G	0.24	UA	0.41	UA	0.50	UA	1.3	A	0.705	JA
03/27/18	G	0.24	U	0.41	U	0.50	U	1.5		0.87	J
06/19/18	G	0.24	U	0.41	U	0.50	U	1.2		0.75	J
08/14/18	G	0.27	UA	0.24	UA	0.33	UA	1.0	JA	0.745	JA
12/10/18	G	0.27	U	0.24	U	0.33	U	0.93	J	0.89	J
03/25/19	G	0.27	UA	0.24	UA	0.33	UA	0.97	JA	0.825	JA
06/12/19	G	0.27	UA	0.24	UA	0.33	UA	0.99	JA	0.71	JA
08/19/19	G	0.27	UA	0.24	UA	0.33	UA	1.05	A	0.715	JA
12/03/19	G	0.27	UA	0.24	UA	0.33	UA	0.99	JA	0.61	JA

TABLE 4

NPI VOC ANALYTICAL RESULTS FROM SWC EXTRACTION WELLS EW-5 AND EW-6 (2016-2019)

NOTES:

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

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

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

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

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.

HS = HydraSleeve.

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-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, 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 (2016-2019)

Well ID Sample Date MCL/ES/PAL	Sample Method/ Level	NPI Volatile Organic Compound (VOC) Concentration (µg/l) and Results Qualifier(s)									
		1,1-DCA		1,1-DCE		PCE		1,1,1-TCA		TCE	
		None/850/85		7/7/0.7		5/5/0.5		200/200/40		5/5/0.5	
EC-1 (monitoring well at Grid Coordinate C7)											
03/22/16	M	0.24	U	0.41	U	0.50	U	0.50	U	1.6	
06/15/16	M	0.24	U	0.41	U	0.50	U	0.50	U	1.2	
12/07/16	M	0.24	U	0.41	U	0.50	U	0.50	U	1.5	
03/21/17	M	0.24	U	0.41	U	0.50	U	0.50	U	1.6	
06/14/17	M	0.24	U	0.41	U	0.50	U	0.50	U	0.88	J
08/29/17	M	0.24	U	0.41	U	0.50	U	0.50	U	1.2	
12/13/17	M	0.24	UA	0.41	UA	0.50	UA	0.50	UA	1.6	A
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	
EC-2 (monitoring well at Grid Coordinate C7)											
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	UA	0.24	UA	0.33	UA	0.24	UA	0.26	UA
EC-5 (monitoring well at Grid Coordinate C7 no longer scheduled for routine sampling)											
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
EC-6 (monitoring well at Grid Coordinate C7)											
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
MW-4A (monitoring well at Grid Coordinate K7)											
03/21/16	M	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
08/31/16	M	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
03/21/17	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	UJ	0.33	U
08/28/17	M	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
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-4B (piezometer at Grid Coordinate K7)											
03/21/16	M	0.24	U	0.41	U	0.50	U	0.50	U	0.43	J
06/13/16	M	0.24	U	0.41	U	0.50	U	0.50	U	0.83	J
08/31/16	M	0.24	U	0.41	U	0.50	U	0.50	U	0.39	JA
12/05/16	M	0.24	U	0.41	U	0.50	U	0.50	U	0.43	J
03/21/17	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	0.55	J
08/28/17	M	0.24	U	0.41	U	0.50	U	0.50	U	0.38	J
12/12/17	M	0.24	U	0.41	U	0.50	U	0.50	U	0.38	J

TABLE 5

NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 1/2 MONITORING WELLS (2016-2019)

Well ID Sample Date MCL/ES/PAL	Sample Method/ Level	NPI Volatile Organic Compound (VOC) Concentration (µg/l) and Results Qualifier(s)									
		I,I-DCA		I,I-DCE		PCE		I,I-TCA		TCE	
		None/850/85		7/7/0.7		5/5/0.5		200/200/40		5/5/0.5	
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
MW-23A (monitoring well at Grid Coordinate J7)											
03/24/16	M	0.24	U	0.41	U	0.50	U	0.50	U	1.5	
06/15/16	M	0.24	U	0.41	U	0.50	U	0.50	U	1.5	
08/30/16	M	0.24	U	0.41	U	0.50	U	0.50	U	1.1	
12/06/16	M	0.24	U	0.41	U	0.50	U	0.50	U	1.04	JA
03/21/17	M	0.24	U	0.41	U	0.50	U	0.50	U	1.35	A
06/13/17	M	0.24	U	0.41	U	0.50	U	0.50	U	1.2	
08/29/17	M	0.24	U	0.41	U	0.50	U	0.50	U	0.64	J
12/14/17	M	0.24	U	0.41	U	0.50	U	0.50	U	0.84	J
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
MW-23B (piezometer at Grid Coordinate J7)											
03/22/16	M	0.24	U	0.41	U	0.50	U	0.50	U	1.8	
06/15/16	M	0.24	U	0.41	U	0.50	U	0.50	U	2.1	
08/30/16	M	0.24	U	0.41	U	0.50	U	0.50	U	1.9	
12/06/16	M	0.24	U	0.41	U	0.50	U	0.50	U	1.9	
03/21/17	M	0.24	U	0.41	U	0.50	U	0.50	U	2.0	
06/13/17	M	0.24	U	0.41	U	0.50	U	0.50	U	2.1	
08/29/17	M	0.24	U	0.41	U	0.50	U	0.50	U	1.8	
12/14/17	M	0.24	U	0.41	U	0.50	U	0.50	U	1.6	
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	
MW-34A (monitoring well at Grid Coordinate K8)											
03/21/16	M	0.53	J	0.41	U	0.50	U	0.50	U	0.33	U
06/13/16	HS	0.59	J	0.41	U	0.50	U	0.50	U	0.33	U
08/29/16	M	0.5	J	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
03/20/17	M	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
08/28/17	M	0.28	J	0.41	U	0.50	U	0.50	U	0.33	U
12/12/17	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
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
MW-34B (piezometer at Grid Coordinate K8)											
03/24/16	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
06/13/16	HS	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
08/29/16	M	0.24	UA	0.41	UA	0.50	UA	0.50	UA	0.33	UA

TABLE 5

NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 1/2 MONITORING WELLS (2016-2019)

Well ID Sample Date MCL/ES/PAL	Sample Method/ Level	NPI Volatile Organic Compound (VOC) Concentration (µg/l) and Results Qualifier(s)									
		I,I-DCA		I,I-DCE		PCE		I,I,TCA		TCE	
		None/850/85		7/7/0.7		5/5/0.5		200/200/40		5/5/0.5	
12/05/16	M	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
06/12/17	M	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
12/12/17	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
06/10/19	M	0.27	U	0.24	U	0.33	U	0.24	U	0.26	U
MW-34C (piezometer at Grid Coordinate K8)											
03/21/16	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
06/13/16	HS	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
08/29/16	M	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
03/20/17	M	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
08/28/17	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
12/12/17	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
06/10/19	M	0.27	U	0.24	U	0.33	U	0.24	U	0.26	U
MW-35A (monitoring well at Grid Coordinate I7)											
06/14/16	M	0.24	U	0.41	U	0.50	U	0.50	U	1.0	
06/14/17	M	0.24	UA	0.41	UA	0.50	UA	0.65	JA	1.9	A
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
MW-35B (piezometer at Grid Coordinate I7)											
06/14/16	M	0.24	U	0.41	U	0.50	U	0.50	U	1	
06/14/17	M	0.24	U	0.41	U	0.50	U	0.50	U	1.3	
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
MW-37B (piezometer at Grid Coordinate I7 no longer scheduled for routine sampling)											
06/14/17	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
MW-38A (monitoring well at Grid Coordinate I8)											
06/13/16	M	0.24	U	0.41	U	0.50	U	0.50	U	2.0	A
06/13/17	M	0.24	U	0.41	U	0.50	U	0.50	U	2.0	
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	
MW-38B (piezometer at Grid Coordinate I8)											
06/13/16	M	0.24	U	0.41	U	0.50	U	0.79	J	3.7	
12/06/16	M	0.24	U	0.41	U	0.50	U	0.65	J	3.2	
06/13/17	M	0.24	U	0.41	U	0.50	U	0.60	J	3.7	
12/13/17	M	0.24	U	0.41	U	0.50	U	0.54	J	3.0	
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	
MW-38C (piezometer at Grid Coordinate I8)											
06/13/16	M	0.24	U	0.41	U	0.50	U	0.50	U	1.5	
06/13/17	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	1.5	
06/12/19	M	0.27	U	0.24	U	0.33	U	0.24	U	1.7	

TABLE 5

NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 1/2 MONITORING WELLS (2016-2019)

Well ID	Sample Date	Sample Method/ Level	NPI Volatile Organic Compound (VOC) Concentration (µg/l) and Results Qualifier(s)								
			1,1-DCA		1,1-DCE		PCE	1,1,1-TCA		TCE	
MCL/ES/PAL			None/850/85	7/7/0.7	5/5/0.5	200/200/40	5/5/0.5				
MW-41A (monitoring well at Grid Coordinate H8)											
	06/14/16	M	0.24	U	0.41	U	0.50	U	0.50	U	2.1
	06/13/17	M	0.24	U	0.41	U	0.50	U	0.50	U	2.5
	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
MW-41B (piezometer at Grid Coordinate H8)											
	06/14/16	M	0.24	U	0.41	U	0.50	U	0.50	U	2.3
	06/13/17	M	0.24	UA	0.41	UA	0.50	UA	0.50	UA	2.4 A
	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
MW-43A (monitoring well at Grid Coordinate H7)											
	06/14/16	M	0.24	U	0.41	U	0.50	U	0.5	U	1.7
	06/13/17	M	0.24	U	0.41	U	0.50	U	0.50	U	2.5
	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
MW-43B (piezometer at Grid Coordinate H7)											
	06/14/16	M	0.24	U	0.41	U	0.50	U	0.54	J	2.0
	06/13/17	M	0.24	U	0.41	U	0.50	U	0.54	J	1.7
	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
MW-45A (monitoring well at Grid Coordinate F6)											
	06/13/17	M	0.24	U	0.41	U	0.50	U	0.50	U	1.0
	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)											
	06/14/16	M	0.24	U	0.41	U	0.50	U	0.50	U	1.7
	06/13/17	M	0.24	U	0.41	U	0.50	U	0.50	U	2.1
	12/14/17	M	0.24	U	0.41	U	0.50	U	0.50	U	2.4
	06/19/18	M	0.24	UA	0.41	UA	0.50	UA	0.50	UA	2.5 A
	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)											
	06/14/16	M	0.24	U	0.41	U	0.50	U	0.50	U	2.9
	06/13/17	M	0.24	U	0.41	U	0.50	U	0.50	U	3.0
	12/14/17	M	0.24	U	0.41	U	0.50	U	0.50	U	3.1
	06/19/18	M	0.24	U	0.41	U	0.50	U	0.50	U	3.0
	06/11/19	M	0.27	U	0.24	U	0.33	U	0.24	U	1.8
MW-47A (abandoned monitoring well at at Grid Coordinate G7)											
	06/13/17	M	0.24	U	0.41	U	0.50	U	0.50	U	0.58 J
MW-47B (abandoned piezometer at Grid Coordinate G7)											
	06/13/17	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33 U
MW-49A (monitoring well at Grid Coordinate D6)											
	06/13/17	M	0.24	U	0.41	U	0.50	U	0.50	U	0.67 J
	06/11/19	M	0.27	U	0.24	U	0.33	U	0.24	U	0.50 J
MW-49B (piezometer at Grid Coordinate D6)											
	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
MW-51A (monitoring well at Grid Coordinate F6)											
	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

TABLE 5

NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 1/2 MONITORING WELLS (2016-2019)

Well ID	Sample Date	Sample Method/ Level	NPI Volatile Organic Compound (VOC) Concentration (µg/l) and Results Qualifier(s)									
			1,1-DCA		1,1-DCE		PCE	1,1,1-TCA		TCE		
MCL/ES/PAL			None/850/85	7/7/0.7	5/5/0.5	200/200/40	5/5/0.5					
MW-51B (piezometer at Grid Coordinate F6)												
	06/15/16	M	0.24	U	0.41	U	0.50	U	0.51	J	4.5	
	06/13/17	M	0.24	UA	0.41	UA	0.50	UA	0.50	UA	4.2	A
	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	
MW-52A (monitoring well at Grid Coordinate F6)												
	06/14/16	M	0.24	U	0.41	U	0.50	U	0.50	U	4.4	
	06/13/17	M	0.24	U	0.41	U	0.50	U	0.50	U	3.7	
	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	
MW-52B (piezometer at Grid Coordinate F6)												
	06/14/16	M	0.24	U	0.41	U	0.50	U	0.50	U	0.37	J
	06/13/17	M	0.24	U	0.41	U	0.50	U	0.51	J	5.0	
	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	
MW-53A (monitoring well at Grid Coordinate E6)												
	06/13/17	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	1.7	
MW-53B (piezometer at Grid Coordinate E6)												
	06/14/16	M	0.24	U	0.41	U	0.50	U	0.50	U	0.8	J
	06/13/17	M	0.24	U	0.41	U	0.50	U	0.50	U	4.1	
	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	
MW-54A (monitoring well at Grid Coordinate D6)												
	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
MW-54B (piezometer at Grid Coordinate D6)												
	06/14/16	M	0.24	U	0.41	U	0.5	U	0.5	J	3.8	
	06/13/17	M	0.24	U	0.41	U	0.50	U	0.50	U	4.5	
	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	
MW-54C (piezometer at Grid Coordinate D6)												
	06/14/16	M	0.24	U	0.41	U	0.50	U	0.57	J	4.7	
	06/13/17	M	0.24	UA	0.41	UA	0.50	UA	0.50	UA	4.5	A
	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	
MW-55B (piezometer at Grid Coordinate D6)												
	06/14/16	M	0.24	U	0.41	U	0.50	U	0.50	U	1.9	
	06/13/17	M	0.24	U	0.41	U	0.50	U	0.50	U	1.6	
	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	
MW-55C (piezometer at Grid Coordinate D6)												
	06/14/16	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
	06/20/18	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
MW-57A (abandoned monitoring well at Grid Coordinate E6)												
	06/13/17	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	J

TABLE 5

NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 1/2 MONITORING WELLS (2016-2019)

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-57B (abandoned piezometer at Grid Coordinate E6)												
	06/13/17	M	0.24	U	0.41	U	0.50	U	0.50	U	0.43	J
MW-60A (abandoned monitoring well at Grid Coordinate D7)												
	06/14/17	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
MW-60B (abandoned piezometer at Grid Coordinate D7)												
	06/14/17	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
MW-61A (monitoring well at Grid Coordinate C6 no longer scheduled for routine sampling)												
	06/14/17	M	0.24	UA	0.41	UA	0.50	UA	0.50	UA	0.33	UA
MW-61B (piezometer at Grid Coordinate C6 no longer scheduled for routine sampling)												
	06/14/17	M	0.24	UA	0.41	UA	0.50	UA	0.50	UA	0.435	JA
MW-68A (monitoring well at Grid Coordinate J7)												
	03/21/16	M	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	0.41	J
	08/29/16	M	0.24	UA	0.41	UA	0.50	UA	0.50	UA	0.33	UA
	12/05/16	M	0.24	U	0.41	U	0.50	U	0.50	U	0.35	J
	06/12/17	M	0.24	U	0.41	U	0.50	U	0.50	U	0.35	J
	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
MW-68B (piezometer at Grid Coordinate J7)												
	03/24/16	M	0.24	U	0.41	U	0.50	U	0.50	U	0.42	J
	06/13/16	M	0.24	U	0.41	U	0.50	U	0.50	U	0.37	J
	08/29/16	M	0.25	J	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
	06/12/17	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
	12/13/17	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
	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
MW-70A (monitoring well at Grid Coordinate K8)												
	03/24/16	M	0.24	U	0.41	U	0.50	U	0.50	U	0.41	J
	06/13/16	HS	0.40	J	0.41	U	0.50	U	0.50	U	0.74	J
	08/29/16	M	0.45	J	0.41	U	0.50	U	0.50	U	0.55	J
	12/05/16	M	0.25	JA	0.41	UA	0.50	UA	0.50	UA	0.51	JA
	03/20/17	M	0.37	JA	0.41	UA	0.50	UA	0.50	UA	0.59	JA
	06/12/17	M	0.73	J	0.41	J	0.50	U	0.50	U	0.68	J
	08/28/17	M	0.38	JA	0.41	UA	0.50	UA	0.50	UA	0.65	JA
	12/12/17	M	0.31	JA	0.41	UA	0.50	UA	0.50	UA	0.49	JA
	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

TABLE 5

NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 1/2 MONITORING WELLS (2016-2019)

Well ID Sample Date MCL/ES/PAL	Sample Method/ Level	NPI Volatile Organic Compound (VOC) Concentration (µg/l) and Results Qualifier(s)									
		1,1-DCA		1,1-DCE		PCE		1,1,1-TCA		TCE	
		None/850/85		7/7/0.7		5/5/0.5		200/200/40		5/5/0.5	
12/10/18	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
MW-70B (piezometer at Grid Coordinate K8)											
03/21/16	HS	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
06/13/16	HS	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
08/29/16	HS	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
03/20/17	M	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
08/28/17	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
12/12/17	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
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)											
03/24/16	M	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
08/29/16	M	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
06/12/17	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
12/13/17	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
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-74B (piezometer at Grid Coordinate J8 no longer scheduled for routine sampling)											
03/24/16	M	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
08/29/16	M	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
06/12/17	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
12/13/17	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
MW-76A (monitoring well at Grid Coordinate K7)											
03/21/16	M	0.24	U	0.41	U	0.50	U	2.2		0.33	U
06/13/16	M	0.24	U	0.41	U	0.50	U	0.61	J	0.38	J
08/30/16	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
12/06/16	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
03/21/17	M	1.9		0.41	U	1.0		42.8		4.6	
06/13/17	M	0.24	U	0.41	U	0.50	U	1.7		0.33	U
08/28/17	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
12/13/17	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
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

TABLE 5

NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 1/2 MONITORING WELLS (2016-2019)

Well ID Sample Date MCL/ES/PAL	Sample Method/ Level	NPI Volatile Organic Compound (VOC) Concentration (µg/l) and Results Qualifier(s)									
		1,1-DCA		1,1-DCE		PCE		1,1,1-TCA		TCE	
		None/850/85		7/7/0.7		5/5/0.5		200/200/40		5/5/0.5	
MW-76B (piezometer at Grid Coordinate K7)											
06/13/16	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
12/06/16	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
03/21/17	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
08/28/17	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
12/13/17	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
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
MW-77A (monitoring well at Grid Coordinate K7)											
03/21/16	M	0.24	U	0.41	U	0.50	U	0.50	U	1.1	
06/13/16	M	0.24	U	0.41	U	0.50	U	0.50	U	1.3	
08/31/16	M	0.24	U	0.41	U	0.50	U	0.50	U	0.91	J
12/06/16	M	0.24	U	0.41	U	0.50	U	0.50	U	0.51	J
03/21/17	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
06/13/17	M	0.24	UA	0.41	UA	0.50	UA	0.50	UA	0.33	UA
08/28/17	M	0.24	U	0.41	U	0.50	U	0.50	U	0.35	J
12/13/17	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
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
MW-77B (piezometer at Grid Coordinate K7)											
03/21/16	M	0.24	U	0.41	U	0.50	U	0.50	U	1.7	
06/13/16	M	0.24	U	0.41	U	0.50	U	0.50	U	1.6	
08/31/16	M	0.24	U	0.41	U	0.50	U	0.50	U	1.8	
12/06/16	M	0.24	U	0.41	U	0.50	U	0.50	U	1.4	
03/21/17	M	0.24	U	0.41	U	0.50	U	0.50	U	1.5	
06/13/17	M	0.24	U	0.41	U	0.50	U	0.50	U	1.7	
08/28/17	M	0.24	U	0.41	U	0.50	U	0.50	U	2.1	
12/13/17	M	0.24	U	0.41	U	0.50	U	0.50	U	2.1	
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	
MW-77C (piezometer at Grid Coordinate K7)											
03/21/16	M	0.24	U	0.41	U	0.50	U	0.50	U	0.61	J
06/16/16	M	0.24	U	0.41	U	0.50	U	0.50	U	0.66	J
08/31/16	M	0.24	U	0.41	U	0.50	U	0.50	U	0.55	J
12/06/16	M	0.24	U	0.41	U	0.50	U	0.50	U	0.60	J
03/21/17	M	0.24	U	0.41	U	0.50	U	0.50	U	0.96	J

TABLE 5

NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 1/2 MONITORING WELLS (2016-2019)

Well ID Sample Date MCL/ES/PAL	Sample Method/ Level	NPI Volatile Organic Compound (VOC) Concentration (µg/l) and Results Qualifier(s)									
		1,1-DCA		1,1-DCE		PCE		1,1,1-TCA		TCE	
		None/850/85		7/7/0.7		5/5/0.5		200/200/40		5/5/0.5	
06/13/17	M	0.24	U	0.41	U	0.50	U	0.50	U	0.76	J
08/28/17	M	0.24	U	0.41	U	0.50	U	0.50	U	0.59	J
12/13/17	M	0.24	U	0.41	U	0.50	U	0.50	U	0.72	J
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
PW-3R (abandoned monitoring well at Grid Coordinate K7)											
06/13/16	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
RW-2A (monitoring well at Grid Coordinate J7)											
06/13/16	M	0.24	UA	0.41	UA	0.50	UA	0.50	UA	0.95	JA
12/06/16	M	0.24	U	0.41	U	0.50	U	0.50	U	0.77	J
06/13/17	M	0.24	UA	0.41	UA	0.50	UA	0.50	UA	1.10	JA
12/14/17	M	0.24	U	0.41	U	0.50	U	0.50	U	1.0	
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	
RW-2B (piezometer at Grid Coordinate J7)											
06/13/16	M	0.24	U	0.41	U	0.50	U	0.66	J	1.8	
12/06/16	M	0.24	U	0.41	U	0.50	U	0.64	J	2.0	
06/13/17	M	0.24	U	0.41	U	0.50	U	0.50	U	2.2	
12/14/17	M	0.24	U	0.41	U	0.50	U	0.50	U	2.0	
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
RW-2C (piezometer at Grid Coordinate J7)											
06/13/16	M	0.24	U	0.41	U	0.50	U	0.50	U	1.6	
12/06/16	M	0.24	U	0.41	U	0.50	U	0.52	J	1.6	
06/13/17	M	0.24	U	0.41	U	0.50	U	0.50	U	1.7	
12/14/17	M	0.24	UA	0.41	UA	0.50	UA	0.50	UA	1.7	A
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	
RW-3A (monitoring well at Grid Coordinate C6)											
06/14/16	M	0.24	U	0.41	U	0.50	U	0.50	U	1.8	
12/07/16	M	0.24	U	0.41	U	0.50	U	0.50	U	2.0	
06/14/17	M	0.24	U	0.41	U	0.50	U	0.50	U	2.2	
12/14/17	M	0.24	U	0.41	U	0.50	U	0.50	U	1.7	
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
RW-3B (piezometer at Grid Coordinate C6)											
06/14/16	M	0.24	U	0.41	U	0.50	U	0.50	U	2.7	
12/07/16	M	0.24	U	0.41	U	0.50	U	0.50	U	2.5	
06/14/17	M	0.24	U	0.41	U	0.50	U	0.50	U	3.6	
12/14/17	M	0.24	UA	0.41	UA	0.50	UA	0.50	UA	3.1	A
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	3.40	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	

TABLE 5

NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 1/2 MONITORING WELLS (2016-2019)

Well ID	Sample Date	Sample Method/ MCL/ES/PAL	NPI Volatile Organic Compound (VOC) Concentration (µg/l) and Results Qualifier(s)									
			1,1-DCA		1,1-DCE		PCE		1,1,1-TCA		TCE	
			None/850/85		7/7/0.7		5/5/0.5		200/200/40		5/5/0.5	
RW-3C (piezometer at Grid Coordinate C6)												
	06/14/16	M	0.24	U	0.41	U	0.50	U	0.50	U	3.8	
	12/07/16	M	0.24	U	0.41	U	0.50	U	0.52	J	4.3	
	06/14/17	M	0.24	U	0.41	U	0.50	U	0.50	U	3.4	
	12/14/17	M	0.24	U	0.41	U	0.50	U	0.50	U	4.1	
	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	
RW-15 (monitoring well at Grid Coordinate J7)												
	06/13/16	M	0.24	U	0.41	U	0.50	U	0.50	U	3.7	
	12/06/16	M	0.24	U	0.41	U	0.50	U	0.50	U	3.1	
	06/13/17	M	0.24	U	0.41	U	0.50	U	0.50	U	4.4	
	12/13/17	M	0.24	UA	0.41	UA	0.50	UA	0.60	JA	3.7	A
	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	
RW-16 (monitoring well at Grid Coordinate G7)												
	06/14/16	M	0.24	U	0.41	U	0.50	U	0.50	U	2.3	
	06/13/17	M	0.24	U	0.41	U	0.50	U	0.50	U	2.2	
	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	
RW-16B (piezometer at Grid Coordinate G7)												
	06/14/16	M	0.24	U	0.41	U	0.50	U	0.50	U	3.1	
	06/13/17	M	0.24	U	0.41	U	0.50	U	0.50	U	0.90	J
	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	
RW-16C (piezometer at Grid Coordinate G7)												
	06/14/16	M	0.24	U	0.41	U	0.50	U	0.50	U	3.6	
	06/13/17	M	0.24	U	0.41	U	0.50	U	0.50	U	3.9	
	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	
WW-15 (monitoring well at Grid Coordinate I8)												
	06/13/16	M	0.24	U	0.41	U	0.50	U	0.50	U	1.3	
	06/13/17	M	0.24	U	0.41	U	0.50	U	0.50	U	1.0	
	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

TABLE 5

NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 1/2 MONITORING WELLS (2016-2019)

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.

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.

ND = Not detected at or above the detection limit.

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.

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

TABLE 6

NPI VOC ANALYTICAL RESULTS FROM THE EAU CLAIRE MUNICIPAL WELL FIELD (2016-2019)

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 11 (CW-11 no longer scheduled for routine sampling)								
03/22/16	(10)	0.19 U	(10)	0.15 U	(10)	0.20 U	(10)	0.14 U
06/15/16	(10)	0.19 U	(10)	0.15 U	(10)	0.20 U	(10)	0.14 U
08/30/16	(10)	0.088 U	(10)	0.12 U	(10)	0.10 U	(10)	0.044 U
12/07/16	(10)	0.088 U	(10)	0.12 U	(10)	0.10 U	(10)	0.044 U
03/22/17	(10)	0.088 U	(10)	0.12 U	(10)	0.10 U	(10)	0.044 U
06/14/17	(10)	0.088 U	(10)	0.12 U	(10)	0.10 U	(10)	0.044 U
08/29/17	(10)	0.088 U	(10)	0.12 U	(10)	0.10 U	(10)	0.044 U
12/13/17	(10)	0.14 U	(10)	0.12 U	(10)	0.13 U	(10)	0.11 U
City Well 15 (CW-15)								
03/22/16	(10)	0.19 U	(10)	0.15 U	(10)	0.20 U	(10)	0.15 J
06/15/16	(10)	0.19 U	(10)	0.15 U	(10)	0.20 U	(10)	0.19 J
08/30/16	(10)	0.088 U	(10)	0.12 U	(10)	0.10 U	(10)	0.19 J
12/07/16	(10)	0.088 U	(10)	0.12 U	(10)	0.10 U	(10)	0.18 J
03/22/17	(10)	0.088 U	(10)	0.12 U	(10)	0.10 U	(10)	0.33
06/14/17	(10)	0.088 U	(10)	0.12 U	(10)	0.10 U	(10)	0.28 J
08/29/17	(10)	0.088 U	(10)	0.12 U	(10)	0.10 U	(10)	0.078 J
12/13/17	(10)	0.14 U	(10)	0.12 U	(10)	0.13 U	(10)	0.11 U
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
City Well 16 (CW-16 no longer scheduled for routine sampling)								
03/22/16	(10)	0.19 U	(10)	0.15 U	(10)	0.20 U	(10)	0.14 U
06/15/16	(10)	0.19 U	(10)	0.15 U	(10)	0.20 U	(10)	0.14 U
08/30/16	(10)	0.088 U	(10)	0.12 U	(10)	0.10 U	(10)	0.044 U
12/07/16	(10)	0.088 U	(10)	0.12 U	(10)	0.10 U	(10)	0.044 U
03/22/17	(10)	0.088 U	(10)	0.12 U	(10)	0.10 U	(10)	0.044 U
06/14/17	(10)	0.088 U	(10)	0.12 U	(10)	0.10 U	(10)	0.044 U
08/29/17	(10)	0.088 U	(10)	0.12 U	(10)	0.10 U	(10)	0.044 U
12/13/17	(10)	0.14 U	(10)	0.12 U	(10)	0.13 U	(10)	0.11 U
City Well 17 (CW-17 no longer scheduled for routine sampling)								
03/22/16	(10)	0.19 U	(10)	0.15 U	(10)	0.20 U	(10)	0.14 U
06/15/16	(10)	0.19 U	(10)	0.15 U	(10)	0.20 U	(10)	0.14 U
08/30/16	(10)	0.088 U	(10)	0.12 U	(10)	0.10 U	(10)	0.044 U
12/07/16	(10)	0.088 U	(10)	0.12 U	(10)	0.10 U	(10)	0.044 U
03/22/17	(10)	0.088 U	(10)	0.12 U	(10)	0.10 U	(10)	0.044 U
06/14/17	(10)	0.088 U	(10)	0.12 U	(10)	0.10 U	(10)	0.044 U
08/29/17	(10)	0.088 U	(10)	0.12 U	(10)	0.10 U	(10)	0.044 U
12/13/17	(10)	0.14 U	(10)	0.12 U	(10)	0.13 U	(10)	0.11 U
City Well 19 (CW-19)								
03/22/16	(10)	0.19 U	(10)	0.15 U	(10)	0.44 J	(10)	1.8
06/15/16	(10)	0.19 U	(10)	0.15 U	(10)	0.22 J	(10)	1.9
08/30/16	(10)	0.088 U	(10)	0.12 U	(10)	0.10 U	(10)	2.0
12/07/16	(10)	0.088 U	(10)	0.12 U	(10)	0.27 J	(10)	2.1

TABLE 6

NPI VOC ANALYTICAL RESULTS FROM THE EAU CLAIRE MUNICIPAL WELL FIELD (2016-2019)

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	
03/22/17	(10)	0.088 U	(10)	0.12 U	(10)	0.55	(10)	2.4
06/14/17	(10)	0.088 U	(10)	0.12 U	(10)	0.55	(10)	1.8
08/29/17	(10)	0.088 U	(10)	0.12 U	(10)	0.10	(10)	0.82
12/13/17	(10)	0.14 U	(10)	0.12 U	(10)	0.13 U	(10)	0.40
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
City Well 22 (CW-22 started production pumping on 04/25/17)								
06/14/17	(10)	0.088 U	(10)	0.12 U	(10)	0.27 J	(10)	2.3
08/29/17	(10)	0.088 U	(10)	0.12 U	(10)	0.26 J	(10)	2.2
12/13/17	(10)	0.14 U	(10)	0.12 U	(10)	0.25 J	(10)	2.4
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
City Well 23 (CW-23 started production pumping on 04/25/17)								
06/14/17	(10)	0.088 U	(10)	0.12 U	(10)	0.10 U	(10)	0.044 U
08/29/17	(10)	0.088 U	(10)	0.12 U	(10)	0.10 U	(10)	0.044 U
12/13/17	(10)	0.14 U	(10)	0.12 U	(10)	0.13 U	(10)	0.16 J
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
Commingled untreated raw water prior to air stripping ⁽¹⁾								
03/22/16	(10)	0.19 U	(10)	0.15 U	(10)	0.20 U	(10)	0.7
06/15/16	(10)	0.19 U	(10)	0.15 U	(10)	0.20 U	(10)	0.77
08/30/16	(10)	0.088 U	(10)	0.12 U	(10)	0.10 U	(10)	0.94
12/07/16	(10)	0.088 U	(10)	0.12 U	(10)	0.10 U	(10)	0.6
03/22/17	(10)	0.088 U	(10)	0.12 U	(10)	0.10 U	(10)	0.044 U
06/14/17	(10)	0.088 U	(10)	0.12 U	(10)	0.10 U	(10)	1.1
08/29/17	(10)	0.088 U	(10)	0.12 U	(10)	0.10 U	(10)	1.0
12/13/17	(10)	0.14 U	(10)	0.12 U	(10)	0.13 U	(10)	1.1
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
12/04/19	(10)	0.16 U	(10)	0.17 U	(10)	0.19 U	(10)	0.97
Tower A (North) - discharge from air stripper ⁽²⁾								
03/22/16	(10)	0.19 U	(10)	0.15 U	(10)	0.20 U	(10)	0.14 U
06/15/16	(10)	0.19 U	(10)	0.15 U	(10)	0.20 U	(10)	0.14 U
08/30/16	(10)	0.088 U	(10)	0.12 U	(10)	0.10 U	(10)	0.044 U
12/07/16	(10)	0.088 U	(10)	0.12 U	(10)	0.10 U	(10)	0.044 U
03/22/17	(10)	0.088 U	(10)	0.12 U	(10)	0.10 U	(10)	0.044 U
06/14/17	(10)	0.088 U	(10)	0.12 U	(10)	0.10 U	(10)	0.044 U

TABLE 6

NPI VOC ANALYTICAL RESULTS FROM THE EAU CLAIRE MUNICIPAL WELL FIELD (2016-2019)

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	
08/29/17	(10)	0.088 U	(10)	0.12 U	(10)	0.10 U	(10)	0.044 U
12/13/17	(10)	0.14 U	(10)	0.12 U	(10)	0.13 U	(10)	0.11 U
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
Tower B (South) - discharge from air stripper ⁽³⁾								
03/22/16	(10)	0.19 U	(10)	0.15 U	(10)	0.20 U	(10)	0.14 U
06/15/16	(10)	0.19 U	(10)	0.15 U	(10)	0.20 U	(10)	0.14 U
08/30/16	(10)	0.088 U	(10)	0.12 U	(10)	0.10 U	(10)	0.044 U
12/07/16	(10)	0.088 U	(10)	0.12 U	(10)	0.10 U	(10)	0.044 U
03/22/17	(10)	0.088 U	(10)	0.12 U	(10)	0.10 U	(10)	0.044 U
06/14/17	(10)	0.088 U	(10)	0.12 U	(10)	0.10 U	(10)	0.044 U
08/29/17	(10)	0.088 U	(10)	0.12 U	(10)	0.10 U	(10)	0.044 U
12/13/17	(10)	0.14 U	(10)	0.12 U	(10)	0.13 U	(10)	0.11 U
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
Commingled treated water after chlorination (finished product) ⁽⁴⁾								
03/22/16	(10)	0.19 U	(10)	0.15 U	(10)	0.20 U	(10)	0.14 U
06/15/16	(10)	0.19 U	(10)	0.15 U	(10)	0.20 U	(10)	0.14 U
08/30/16	(10)	0.088 U	(10)	0.12 U	(10)	0.10 U	(10)	0.044 U
12/07/16	(10)	0.088 U	(10)	0.12 U	(10)	0.10 U	(10)	0.044 U
03/22/17	(10)	0.088 U	(10)	0.12 U	(10)	0.10 U	(10)	0.044 U
06/14/17	(10)	0.088 U	(10)	0.12 U	(10)	0.10 U	(10)	0.044 U
08/29/17	(10)	0.088 U	(10)	0.12 U	(10)	0.10 U	(10)	0.044 U
12/13/17	(10)	0.14 U	(10)	0.12 U	(10)	0.13 U	(10)	0.11 U
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

TABLE 6

NPI VOC ANALYTICAL RESULTS FROM THE EAU CLAIRE MUNICIPAL WELL FIELD (2016-2019)

NOTES:

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

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.

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.

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

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.

NIS = Not in service at time of split sampling with city.

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.

(5) Lab error, results not recorded.

(6) Sample not collected.

(7) Not sampled because sample port was rusted shut.

(8) Shut down for repairs during October 2011 sampling round.

(9) Shut down for repairs.

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

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

TABLE 7

SUMMARY OF RESULTS FROM WELLS ROUTINELY SAMPLED FOR DISSOLVED CADMIUM ANALYSIS (2016-2019)

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
3/21/16	HS	NS	NS	NS	NS	19.1	3.8 J	NS	NS	NS	NS	2.4 J	NS	3.5 J	2.4 J
6/13/16	HS	0.60 U	0.60 U	0.60 U	0.65 J	16.7	2.7 J	6.5	1.4 J	0.87 J	0.60 U	4.5 J	0.60 U	3.2 J	2.3 J
8/30/16	HS	NS	NS	NS	NS	18.8	3.6 J	NS	NS	NS	NS	4.0 J	NS	4.1 J	2.2 J
10/6/16	(2)	NS	NS	NS	NS	19.4	NS	NS	NS	NS	NS	NS	NS	NS	NS
12/5/16	(3)	1.3 U	1.3 U	NS	NS	18.8	1.3 U	6.5	1.5 J	NS	NS	4.0 J	NS	4.1 J	2.4 J
3/20/17	HS	NS	NS	NS	NS	18.5	1.4 J	NS	NS	NS	NS	3.9 J	NS	4.0 J	1.9 J
6/13/17	(3)	1.3 U	1.3 U	1.3 U	1.3 U	17.4	3.6 J	4.4 J	1.4 J	1.3 U	1.3 U	3.9 J	1.3 U	4.5 J	2.0 J
8/28/17	HS	NS	NS	NS	NS	20.1	1.3 U	NS	NS	NS	NS	4.0 J	NS	4.0 J	2.1 J
12/12/17	(3)	1.3 U	1.3 U	NS	NS	18.8	1.3 U	1.3 U	1.4 J	NS	NS	2.5 J	NS	2.4 J	1.3 U
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

TABLE 7

SUMMARY OF RESULTS FROM WELLS ROUTINELY SAMPLED FOR DISSOLVED CADMIUM ANALYSIS (2016-2019)

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.

B = Compound detected in blank.

FN = Footnote (see below) 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 (2016-2019)⁽¹⁾

Well ID Sample Date MCL/ES/PAL	Sample Method/ Level	NPI Volatile Organic Compound (VOC) Concentration (µg/l) and Results Qualifier(s)									
		I,1-DCA		I,1-DCE		PCE		I,1,1-TCA		TCE	
		None/850/85		7/7/0.7		5/5/0.5		200/200/40		5/5/0.5	
MW-5A (monitoring well at Grid Coordinate L6)											
06/13/16	M	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
06/12/17	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
12/12/17	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
06/10/19	M	0.27	U	0.24	U	0.33	U	0.24	U	0.26	U
MW-5B (piezometer at Grid Coordinate L6 no longer scheduled for routine sampling and proposed for abandonment in 2020)											
1/88		0.6		0.24	U	0.15	U	16		0.15	U
10/88		1.7		0.64	J	0.44		19		0.21	U
5/90		150		5.0		12		410		3	U
7/90		92	J,D	3.0		10		210	D	2	
4/91		8		0.5		0.7		34		0.6	U
7/92		15		0.8		1		48		0.2	U
02/08/94		3		0.4		0.6		28		0.36	ND
03/28/94		3.1		0.36	ND	0.36	ND	24		0.36	ND
06/06/94		1.5		0.36	ND	0.36	ND	7.1		0.36	ND
08/23/94		3.7		0.36	ND	0.36	ND	9.8		0.36	ND
10/27/94		1.3		0.36	ND	0.36	ND	8.9		0.36	ND
01/19/95		0.36	ND	0.36	ND	0.36	ND	5.3		0.36	ND
04/19/95		1		0.36	ND	0.36	ND	10		0.36	ND
07/18/95		0.36	ND	0.36	ND	0.36	ND	6.4		0.36	ND
09/12/95		0.36	ND	0.36	ND	0.36	ND	7.1		0.36	ND
01/08/96		0.36	ND	0.36	ND	0.36	ND	2.8		0.36	ND
04/17/96		0.91		0.36	ND	0.29		3.5		0.36	ND
07/08/96		0.76	J	0.36	ND	0.36	ND	3.1		0.36	ND
09/30/96		0.36	ND	0.36	ND	0.36	ND	1.8		0.36	ND
03/17/97		0.08	U	0.18	U	0.22	U	0.746	J	0.12	U
05/19/97		0.08	U	0.18	U	0.22	U	0.69	J	0.12	U
07/21/97		0.08	U	0.18	U	0.22	U	1.09		0.12	U
10/21/97		0.4	U	0.5	U	0.6	U	2.14		0.4	U
01/27/98		0.436		0.2	U	0.2	U	2.23		0.36	U
04/20/98		0.2	U	0.2	U	0.2	U	2.61		0.36	U
07/20/98		31.6		0.29		4.02		59.4		0.36	U
10/26/98		0.2	U	0.2	U	0.2	U	1.48		0.36	U
01/19/99		0.2	U	0.2	U	0.2	U	1.39		0.36	U
04/14/99		0.2	U	0.2	U	0.2	U	0.605	J	0.36	U
07/27/99		0.1	U	0.15	U	0.15	U	0.347	J	0.4	U
10/06/99		0.15	U	0.15	U	0.15	U	0.391	J	0.153	J,SPL,Dup
02/01/00		0.15	U	0.15	U	0.15	U	0.222	J	0.4	U
05/25/00		0.15	U	0.15	U,CSH	0.15	U	0.15	U	0.4	U
07/17/00		0.15	U	0.15	U	0.15	U	0.15	U	0.4	U
10/10/00		0.15	U,SPH	0.15	U	0.15	U	0.15	U	0.4	U
01/23/01		0.15	U,SPH	0.15	U	0.15	U	0.15	U,SPH	0.4	U
05/08/01		0.15	U	0.15	U	0.366	U	1.09		0.4	U,CSL
07/16/01		0.38	U	0.38	U	0.26	U	0.2	J	0.26	U,CSH

TABLE 8

NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 3/4 MONITORING WELLS (2016-2019)⁽¹⁾

Well ID Sample Date MCL/ES/PAL	Sample Method/ Level	NPI Volatile Organic Compound (VOC) Concentration (µg/l) and Results Qualifier(s)									
		1,1-DCA		1,1-DCE		PCE		1,1,1-TCA		TCE	
		None/850/85		7/7/0.7		5/5/0.5		200/200/40		5/5/0.5	
10/16/01		0.38	U	0.38	U	0.26	U	0.2	U	0.26	U
01/08/02	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	0.32	U	0.42	U	0.36	U
07/09/02	NR	0.36	U	0.39	U	0.32	U	0.42	U	0.36	U
10/21/02	NR	0.36	U	0.39	U	0.32	U	0.42	U	0.36	U
01/06/03	NR	0.36	U	0.39	U	0.32	U	0.42	U	0.36	U
04/08/03	NR	0.36	U	0.39	U	0.32	U	0.42	U	0.36	U
07/22/03	NR	0.36	U	0.39	U	0.32	U	0.42	U	0.36	U
07/14/04	NR	0.5	U	0.5	U	0.45	U	0.42	U	0.5	U
04/13/05	NR	0.5	U	0.5	U	0.45	U	0.42	U	0.5	U
07/13/05	NR	0.5	U	0.5	U	0.45	U	0.42	U	0.5	U
07/25/06	NR	0.5	U	0.5	U	0.71	U	0.42	U	0.5	U
06/18/07	NR	0.2	U	0.4	U	0.3	U	0.2	U	0.2	U
09/24/07	NR	0.2	U	0.4	U	0.3	U	0.2	U	0.2	U
09/17/08	NR	0.2	U	0.4	U	0.3	U	0.2	U	0.4	U
03/24/09	LF	0.2	U	0.4	U	0.3	U	0.2	U	0.4	U
03/24/09	H	0.2	U		NA	0.3	U	0.2	U	0.4	U
03/24/09	L	0.2	U		NA	0.3	U	0.2	U	0.4	U
09/21/09	M	0.4	U	0.4	U	0.3	U	0.5	U	0.4	U
03/15/10	M	0.4	U	0.4	U	0.3	U	0.5	U	0.4	U
10/04/10	M	0.4	U	0.4	U	0.3	U	0.5	U	0.4	U
12/15/10	M	0.4	U	0.4	U	0.3	U	0.5	U	0.4	U
03/30/11	M	0.4	U	0.4	U	0.3	U	0.5	U	0.4	U
6/6/2011	M	0.4	U	0.4	U	0.3	U	0.5	U	0.4	U
10/17/11	M	0.4	U	0.4	U	0.3	U	0.5	U	0.4	U
12/21/11	M	0.4	U	0.4	U	0.3	U	0.5	U	0.4	U
03/12/12	M	0.4	U	0.4	U	0.3	U	0.5	U	0.4	U
06/26/12	M	0.75	U	0.57	U	0.45	U	0.9	U	0.48	U
10/09/12	M	0.75	U	0.57	U	0.45	U	0.9	U	0.48	U
12/04/12	M	0.75	U	0.57	U	0.45	U	0.9	U	0.48	U
04/03/13	M	0.75	U	0.57	U	0.45	U	0.9	U	0.48	U
07/01/13	M	0.28	U	0.43	U	0.47	U	0.44	U	0.43	U
12/03/13	M	0.28	U	0.43	U	0.47	U	0.44	U	0.36	U
06/16/14	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
12/04/14	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
06/15/15	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
12/07/15	M	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
12/05/16	M	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
12/12/17	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
MW-6 (monitoring well at Grid Coordinate L6 no longer scheduled for routine sampling)											
06/12/17	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
MW-9A (abandoned monitoring well at Grid Coordinate L6)											
06/13/17	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
MW-22B (abandoned piezometer at Grid Coordinate K6)											
06/12/17	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
MW-26A (abandoned monitoring well at Grid Coordinate L5)											
06/13/17	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U

TABLE 8

NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 3/4 MONITORING WELLS (2016-2019)⁽¹⁾

Well ID Sample Date MCL/ES/PAL	Sample Method/ Level	NPI Volatile Organic Compound (VOC) Concentration (µg/l) and Results Qualifier(s)									
		1,1-DCA		1,1-DCE		PCE		1,1,1-TCA		TCE	
		None/850/85		7/7/0.7		5/5/0.5		200/200/40		5/5/0.5	
MW-26B (abandoned piezometer at Grid Coordinate L5)											
06/14/16	M	0.24	U	0.41	U	0.50	U	0.50	U	0.36	J
06/13/17	M	0.24	U	0.41	U	0.50	U	0.50	U	0.37	J
12/13/17	M	0.24	U	0.41	U	0.50	U	0.50	U	0.60	J
MW-29A (abandoned monitoring well at Grid Coordinate L3)											
04/27/17	LF	0.17	U	0.28	U	0.25	U	0.17	U	0.052	U
MW-29B (abandoned piezometer at Grid Coordinate L3)											
04/27/17	LF	0.17	U	0.28	U	0.25	U	0.17	U	0.052	U
06/13/17	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
MW-62AR (monitoring well at Grid Coordinate L6)											
06/13/16	M	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
06/12/17	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
12/12/17	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
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
MW-62B (piezometer at Grid Coordinate L6)											
06/13/16	M	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
06/12/17	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
12/12/17	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
06/10/19	M	0.27	U	0.24	U	0.33	U	0.24	U	0.26	U
MW-62C (piezometer at Grid Coordinate L6 no longer scheduled for routine sampling and proposed for abandonment in 2020)											
7/92	NR	0.9		0.5		0.3	U	3		0.2	U
02/08/94	NR	0.2		1	U	0.09		1		0.1	
03/28/94	NR	1	U	1	U	1	U	1	U	1	U
06/06/94	NR	1	U	1	U	1	U	3.2		1	U
08/23/94	NR	1	U	1	U	1	U	6.2		1	U
10/27/94	NR	1	U	1	U	1	U	3.8		1	U
01/19/95	NR	1	U	1	U	1	U	1	U	1	U
04/19/95	NR	1	U	1	U	1	U	1	U	1	U
07/18/95	NR	1	U	1	U	1	U	1	U	1	U
09/12/95	NR	1	U	1	U	1	U	4.1		1	U
01/08/96	NR	1	U	1	U	1	U	1	U	1	U
04/17/96	NR	0.48		0.49	U	0.19		1.5		0.21	U
07/08/96	NR	0.35	U	0.41	U	0.18	U	0.29	U	0.16	U
10/01/96	NR	0.35	U	0.41	U	0.18	U	0.29	U	0.16	U
05/19/97	NR	0.08	U	0.08		0.22	U	1.13		0.12	U
10/21/97	NR	0.4	U	0.5	U	0.6	U	0.7	U	0.4	U
04/20/98	NR	0.2	U	0.2	U	0.2	U	0.2	U	0.36	U
10/26/98	NR	0.2	U	0.2	U	0.2	U	0.2	U	0.36	U
04/14/99	NR	0.2	U	0.2	U	0.2	U	0.2	U	0.36	U
07/22/03	NR	0.36	U	0.39	U	0.32	U	0.42	U	0.36	U
07/14/04	NR	0.5	U	0.5	U	0.45	U	0.42	U	0.5	U
07/13/05	NR	0.5	U	0.5	U	0.45	U	0.42	U	0.5	U
07/25/06	NR	0.5	U	0.5	U	0.71	U	0.42	U	0.5	U
06/18/07	NR	0.2	U	0.4	U	0.3	U	0.2	U	0.2	U
09/24/07	NR	0.2	U	0.4	U	0.3	U	0.4	U	0.2	U

TABLE 8

NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 3/4 MONITORING WELLS (2016-2019)⁽¹⁾

Well ID Sample Date MCL/ES/PAL	Sample Method/ Level	NPI Volatile Organic Compound (VOC) Concentration (µg/l) and Results Qualifier(s)									
		1,1-DCA		1,1-DCE		PCE		1,1,1-TCA		TCE	
		None/850/85		7/7/0.7		5/5/0.5		200/200/40		5/5/0.5	
09/17/08	NR	0.2	U	0.4	U	0.3	U	0.2	U	0.4	U
09/21/09	M	0.4	U	0.4	U	0.3	U	0.5	U	0.4	U
10/04/10	M	0.4	U	0.4	U	0.3	U	0.5	U	0.4	U
12/15/10	M	0.4	U	0.4	U	0.3	U	0.5	U	0.4	U
03/28/11	M	0.4	U	0.4	U	0.3	U	0.5	U	0.4	U
06/06/11	M	0.4	U	0.4	U	0.3	U	0.5	U	0.4	U
10/17/11	M	0.4	U	0.4	U	0.3	U	0.5	U	0.4	U
12/21/11	M	0.4	U	0.4	U	0.3	U	0.5	U	0.4	U
03/12/12	M	0.40	U	0.40	U	0.30	U	0.50	U	0.4	U
06/26/12	M	0.75	U	0.57	U	0.45	U	0.90	U	0.48	U
10/09/12	M	0.75	U	0.57	U	0.45	U	0.90	U	0.48	U
12/04/12	M	0.75	U	0.57	U	0.45	U	0.90	U	0.48	U
04/03/13	M	0.75	U	0.57	U	0.45	U	0.90	U	0.48	U
06/16/14	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
06/15/15	M	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
06/12/17	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
MW-63A (monitoring well at Grid Coordinate M6)											
06/13/16	M	0.24	U	0.41	U	0.5	U	0.5	U	0.33	U
06/12/17	M	0.24	U	0.41	U	0.5	U	0.5	U	0.33	U
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-63B (piezometer at Grid Coordinate M6 no longer scheduled for routine sampling and proposed for abandonment in 2020)											
7/92	NR	0.2	U	0.3	U	0.3	U	0.8	J	0.2	U
02/08/94	NR	2		1	U	0.2		6		0.08	
03/28/94	NR	1	U	1	U	1	U	3		1	U
06/06/94	NR	3.3		1	U	1	U	10		1	U
08/23/94	NR	1	U	1	U	1	U	1	U	1	U
10/27/94	NR	1	U	1	U	1	U	1.5		1	U
01/19/95	NR	1	U	1	U	1	U	1	U	1	U
04/19/95	NR	1	U	1	U	1	U	3.4		1	U
07/18/95	NR	1	U	1	U	1	U	1	U	1	U
09/12/95	NR	1	U	1	U	1	U	1	U	1	U
01/08/96	NR	1	U	1	U	1	U	1	U	1	U
04/17/96	NR	0.28	U	0.49	U	0.15	U	0.42		0.21	U
07/08/96	NR	0.35	U	0.41	U	0.18	U	0.29	U	0.16	U
10/01/96	NR	0.35	U	0.41	U	0.18	U	0.3		0.16	U
05/19/97	NR	0.08	U	0.23		0.22	U	0.93		0.12	U
10/21/97	NR	0.4	U	0.5	U	0.6	U	0.7	U	0.4	U
04/20/98	NR	0.2	U	0.2	U	0.2	U	0.2	U	0.36	U
04/14/99	NR	0.2	U	0.2	U	0.2	U	0.2	U	0.36	U
07/22/03	NR	0.36	U	0.39	U,CSL	0.32	U	0.42	U	0.36	U
09/24/07	NR	0.2	U	0.4	U	0.3	U	0.2	U	0.2	U
09/21/09	M	0.4	U	0.4	U	0.3	U	0.5	U	0.4	U
10/04/10	M	0.4	U	0.4	U	0.3	U	0.5	U	0.4	U
12/15/10	M	0.4	U	0.4	U	0.3	U	0.5	U	0.4	U
03/28/11	M	0.4	U	0.4	U	0.3	U	0.5	U	0.4	U
06/06/11	M	0.4	U	0.4	U	0.3	U	0.5	U	0.4	U
10/17/11	M	0.4	U	0.4	U	0.3	U	0.5	U	0.4	U

TABLE 8

NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 3/4 MONITORING WELLS (2016-2019)⁽¹⁾

Well ID Sample Date MCL/ES/PAL	Sample Method/ Level	NPI Volatile Organic Compound (VOC) Concentration (µg/l) and Results Qualifier(s)									
		1,1-DCA		1,1-DCE		PCE		1,1,1-TCA		TCE	
		None/850/85		7/7/0.7		5/5/0.5		200/200/40		5/5/0.5	
12/21/11	M	0.4	U	0.4	U	0.3	U	0.5	U	0.4	U
03/12/12	M	0.40	U	0.40	U	0.30	U	0.50	U	0.40	U
06/26/12	M	0.75	U	0.57	U	0.45	U	0.90	U	0.48	U
10/09/12	M	0.75	U	0.57	U	0.45	U	0.90	U	0.48	U
12/04/12	M	0.75	U	0.57	U	0.45	U	0.90	U	0.48	U
04/03/13	M	0.75	U	0.57	U	0.45	U	0.90	U	0.48	U
07/01/13	M	0.28	U	0.43	U	0.47	U	0.44	U	0.43	U
06/16/14	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U,A
06/15/15	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U,A
06/13/16	M	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
MW-65A (monitoring well at Grid Coordinate L6 no longer scheduled for routine sampling)											
06/13/17	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
MW-65B (piezometer at Grid Coordinate L6)											
06/13/16	M	0.24	U	0.41	U	0.50	U	0.50	U	0.53	J
12/06/16	M	0.24	U	0.41	U	0.50	U	0.50	U	0.55	J
06/13/17	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
12/13/17	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
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
MW-65C (piezometer at Grid Coordinate L6)											
06/13/16	M	0.24	U	0.41	U	0.50	U	0.50	U	0.56	J
12/06/16	M	0.24	U	0.41	U	0.50	U	0.50	U	0.68	J
06/13/17	M	0.24	U	0.41	U	0.50	U	0.50	U	0.63	J
12/13/17	M	0.24	U	0.41	U	0.50	U	0.50	U	0.73	J
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
MW-66A (monitoring well at Grid Coordinate L6 no longer scheduled for routine sampling)											
06/13/16	M	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
06/12/17	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
12/12/17	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
MW-66B (piezometer at Grid Coordinate L6)											
06/13/16	M	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
06/12/17	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
12/12/17	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
06/10/19	M	0.27	U	0.24	U	0.33	U	0.24	U	0.26	U
MW-66C (piezometer at Grid Coordinate L6 no longer scheduled for routine sampling and proposed for abandonment in 2020)											
07/01/92	NR	2		0.3	U	0.3	U	4		0.2	U
02/08/94	NR	0.2	ND	0.2	ND	0.2	ND	1		0.1	
03/28/94	NR	0.2	ND	0.2	ND	0.2	ND	2.2		0.36	ND
06/06/94	NR	0.2	ND	0.2	ND	0.2	ND	2		0.36	ND
08/23/94	NR	0.2	ND	0.2	ND	0.2	ND	2.3		0.36	ND
10/27/94	NR	0.2	ND	0.2	ND	0.2	ND	0.2	ND	0.36	ND
01/19/95	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
07/18/95	NR	0.2	ND	0.2	ND	0.2	ND	0.2	ND	0.36	ND

TABLE 8

NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 3/4 MONITORING WELLS (2016-2019)⁽¹⁾

Well ID Sample Date MCL/ES/PAL	Sample Method/ Level	NPI Volatile Organic Compound (VOC) Concentration (µg/l) and Results Qualifier(s)									
		1,1-DCA		1,1-DCE		PCE		1,1,1-TCA		TCE	
		None/850/85		7/7/0.7		5/5/0.5		200/200/40		5/5/0.5	
09/12/95	NR	0.2	ND	0.2	ND	0.2	ND	0.2	ND	0.36	ND
01/08/96	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	0.75		0.36	ND
07/08/96	NR	0.2	ND	0.2	ND	0.2	ND	0.52		0.36	ND
10/01/96	NR	0.2	ND	0.2	ND	0.2	ND	0.68		0.36	ND
05/19/97	NR	0.2	ND	0.2	ND	0.2	ND	0.12		0.36	U
10/21/97	NR	0.4	U	0.5	U	0.6	U	0.7	U	0.4	U
04/20/98	NR	0.2	U	0.2	U	0.21		0.737		0.377	
10/26/98	NR	0.2	U	0.2	U	0.2	U	0.2	U	0.36	U
04/13/99	NR	0.2	U	0.2	U	0.2	U	0.2	U	0.36	U
07/23/03	NR	0.36	U	0.39	U,CSL	0.32	U	0.42	U	0.36	U
07/14/04	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
06/19/07	NR	0.2	U	0.4	U	0.3	U	0.2	U	0.2	U
11/12/07	NR	0.2	U	0.4	U	0.3	U	0.2	U	0.2	U
06/24/08	NR	0.2	U	0.4	U	0.3	U	0.2	U	0.4	U
12/15/08	NR	0.2	U	0.4	U	0.3	U	0.2	U	0.4	U
10/04/10	M	0.4	U	0.4	U	0.3	U,CSH	0.5	U	0.4	U
12/15/10	M	0.4	U	0.4	U	0.3	U	0.5	U	0.4	U
03/28/11	M	0.4	U	0.4	U	0.3	U	0.5	U	0.4	U
06/06/11	M	0.4	U	0.4	U	0.3	U	0.5	U	0.4	U
10/17/11	M	0.4	U	0.4	U	0.3	U	0.5	U	0.4	U
12/21/11	M	0.4	U	0.4	U	0.3	U	0.5	U	0.4	U
03/12/12	M	0.40	U	0.40	U	0.30	U	0.50	U	0.40	U
06/26/12	M	0.75	U	0.57	U	0.45	U	0.90	U	0.48	U
10/09/12	M	0.75	U	0.57	U	0.45	U	0.90	U	0.48	U
12/04/12	M	0.75	U	0.57	U	0.45	U	0.90	U	0.48	U
04/03/13	M	0.75	U	0.57	U	0.45	U	0.90	U	0.48	U
07/01/13	M	0.28	U	0.43	U	0.47	U	0.44	U	0.43	U
12/03/13	M	0.28	U	0.43	U	0.47	U	0.44	U	0.36	U
06/16/14	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
06/16/14	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
06/18/15	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U
12/07/15	M	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
12/05/16	M	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
12/12/17	M	0.24	U	0.41	U	0.50	U	0.50	U	0.33	U

TABLE 8

NPI VOC ANALYTICAL RESULTS FROM FORMER PLUME 3/4 MONITORING WELLS (2016-2019)⁽¹⁾

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.

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

A = Average of original sample and duplicate.

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.

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) Piezometers MW-5B, MW-62C, MW-63B, & MW-66C include all historical 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 (2015-2019)

Well ID Sample Date MCL/ES/PAL	Sample Method/ Level	NPI Volatile Organic Compound (VOC) Concentration (µg/l) and Results Qualifier(s)									
		1,1-DCA		1,1-DCE		PCE		1,1,1-TCA		TCE	
		None/850/85		7/7/0.7		5/5/0.5		200/200/40		5/5/0.5	
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
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 (2015-2019)

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.

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 and EW-2 have been shut down since October 2010, and NPI stopped sampling both wells in 2018, as approved by both agencies.

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

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

TABLE 10

ANNUAL PUMPAGE (MG) FROM NPI GROUNDWATER EXTRACTION WELLS (2016-2019)

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	
2016	NO	NO	NO	abnd	abnd	NO	96.44	96.44	96.44
2017	NO	NO	NO	abnd	abnd	NO	70.40	70.40	70.40
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
TOTALS ⁽¹⁾	822.90	713.09	1,535.99	251.59	1,097.19	935.49	762.20	3,046.47	4,582.46

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.

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 (2016-2019)

Sample Date/ Month-Yr	FN	MRDS Extraction Wells		CAS-1		Southwest Corner Extraction Wells					CAS-2/2R		Manhole MH-18	
		EW-1/1R	EW-2	Effluent	Percent Removal	EW-3	EW-4	EW-5	EW-6	RQ	Effluent	Percent Removal	Effluent	RQ
03/21/16		NO	NO	NO	na	abnd	abnd	NO	1.3		NS	36	0.83	J
06/13/16		NO	NO	NO	na	abnd	abnd	NO	1.5		NS	33	1.0	
08/30/16		NO	NO	NO	na	abnd	abnd	NO	1.1		NS	37	0.69	J
12/06/16		NO	NO	NO	na	abnd	abnd	NO	1.2		NS	42	0.70	J
06/13/17		NO	NO	NO	na	abnd	abnd	NO	1.4		NS	41	0.83	J
08/28/17		NO	NO	NO	na	abnd	abnd	NO	1.3	A	NS	32	0.88	J
Dec-17		NO	NO	NO	na	abnd	abnd	NO	1.3	A	NS	51	0.61	J
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

NOTES:

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

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 (2016-2019)

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					
03/21/16		NO	NO	NO	na	abnd	abnd	NO	0.75	J	NS	36	0.48	J	
06/13/16		NO	NO	NO	na	abnd	abnd	NO	0.81	J	NS	20	0.65	J	
08/30/16		NO	NO	NO	na	abnd	abnd	NO	0.73	J	NS	30	0.51	J	
12/06/16		NO	NO	NO	na	abnd	abnd	NO	0.70	J	NS	23	0.54	J	
06/13/17		NO	NO	NO	na	abnd	abnd	NO	0.75	J	NS	48	0.39	J	
08/28/17		NO	NO	NO	na	abnd	abnd	NO	0.82	JA	NS	34	0.54	J	
Dec-17		NO	NO	NO	na	abnd	abnd	NO	0.71	JA	NS	28	0.51	J	
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	

NOTES:

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

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 13

SUMMARY OF RESULTS FROM MANHOLE MH-18 SAMPLING (2016-2019)

Method (units) Analyte/Parameter	2016 Sample Dates				2017 Sample Dates ⁽¹⁾			2018 Sample Dates			
	3/21/16	6/13/16	8/30/16	12/6/16	6/13/17	8/29/17	12/12/17	3/27/18	6/19/18	8/14/18 ⁽²⁾	12/10/18
EPA 150.1 (standard units)											
Field pH	NA	NA	NA	7.1	NA	NA	7.5	7.2	7.3	7.1	7.4
EPA 6010 (mg/L)											
Hardness as CaCO ₃	NA	NA	NA	51.2	NA	NA	51.9	NA	NA	52.5	NA
EPA 6010/6020 (µg/L)											
Total Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.28	NA
Total Cadmium	NA	NA	NA	<1.3	NA	NA	<1.3 ⁽²⁾	NA	NA	0.13 J	NA
Total Chromium	NA	NA	NA	NA	NA	NA	<2.5	NA	NA	2.6 J	NA
Total Copper	NA	NA	NA	NA	NA	NA	8.0 J	NA	NA	2.5 J	NA
Total Lead	NA	NA	NA	NA	NA	NA	6.8 J	NA	NA	<0.20	NA
Total Nickel	NA	NA	NA	3.3 J	NA	NA	4.7 J	NA	NA	4.0	NA
Total Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.2	NA
Total Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.10	NA
Total Zinc	NA	NA	NA	<9.3	NA	NA	55.5	NA	NA	12 J	NA
Trivalent Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EPA 7196A (mg/L)											
Hexavalent Chromium	NA	NA	NA	NA	NA	NA	<0.0051	NA	NA	<5.1	NA
NPI volatile organic compounds (VOCs) by EPA 8021/8260 (µg/L)											
1,1,1-Trichloroethane	0.83 J	1.0	0.69 J	0.70 J	0.83 J	0.88 J	0.61 J	0.94 J	<0.50	0.71 J	0.45 J
1,1-Dichloroethane	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.27
1,1-Dichloroethylene	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.24
Tetrachloroethylene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.33
Trichloroethylene	0.48 J	0.65	0.51 J	0.54 J	0.39 J	0.54 J	0.51 J	0.68 J	0.46 J	0.57 J	0.41 J
Polycyclic aromatic hydrocarbons by EPA 8270/8310 (µg/L)											
Acenaphthene	NA	NA	NA	0.040	NA	NA	0.050	NA	NA	<0.92	NA
Acenaphthylene	NA	NA	NA	<0.0050	NA	NA	0.0047J	NA	NA	<0.96	NA
Anthracene	NA	NA	NA	<0.010	NA	NA	0.013J	NA	NA	<0.0036	NA
Benzo(a)Anthracene	NA	NA	NA	<0.0076	NA	NA	<0.0068	NA	NA	<0.0046	NA
Benzo(a)Pyrene	NA	NA	NA	<0.0011	NA	NA	<0.0095	NA	NA	<0.0040	NA
Benzo(b)Fluoranthene	NA	NA	NA	<0.0057	NA	NA	<0.0052	NA	NA	<0.0048	NA
Benzo(ghi)Perylene	NA	NA	NA	<0.0068	NA	NA	<0.0061	NA	NA	<0.0032	NA
Benzo(k)Fluoranthene	NA	NA	NA	<0.0076	NA	NA	<0.0068	NA	NA	<0.0051	NA
Chrysene	NA	NA	NA	<0.013	NA	NA	<0.012	NA	NA	<0.0038	NA
Dibenz(a,h)Anthracene	NA	NA	NA	<0.010	NA	NA	<0.0090	NA	NA	<0.0050	NA
Fluoranthene	NA	NA	NA	<0.011	NA	NA	<0.0096	NA	NA	<0.0085	NA
Fluorene	NA	NA	NA	0.018 J	NA	NA	0.022J	NA	NA	0.027 J	NA
Indeno(1,2,3-cd)Pyrene	NA	NA	NA	<0.018	NA	NA	<0.016	NA	NA	<0.0032	NA
1-Methyl Naphthalene	NA	NA	NA	0.012 J	NA	NA	0.096	NA	NA	NA	NA
2-Methyl Naphthalene	NA	NA	NA	0.0074 J	NA	NA	0.027	NA	NA	NA	NA
Naphthalene	NA	NA	NA	<0.018	NA	NA	0.072J	NA	NA	<0.68	NA
Phenanthrene	NA	NA	NA	<0.014	NA	NA	0.023J	NA	NA	0.0078 J	NA
Pyrene	NA	NA	NA	<0.0076	NA	NA	<0.0069	NA	NA	<0.0069	NA
EPA 8270 (µg/L)											
Pentachlorophenol	NA	NA	NA	NA	NA	NA	<1.4	NA	NA	<0.72	NA

TABLE 13

SUMMARY OF RESULTS FROM MANHOLE MH-18 SAMPLING (2016-2019)

Sample Date	Substance Concentration (µg/l) and Results Qualifier(s)											
	Cadmium		NPI Volatile Organic Compounds									
			1,1-DCA		1,1-DCE		PCE		1,1,1-TCA		TCE	
03/25/19	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

NOTES:
 Concentrations are in micrograms per liter (µg/l) 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 addition, MH-18 was sampled once a year for an expanded analyte list, per agreement with the WDNR. In odd years the list included hardness (as CaCO3); cadmium, chromium, chromium+6, copper, lead, nickel, and zinc as total metals; PAHs; and pentachlorophenol. In even years, the list included hardness (as CaCO3); cadmium, nickel, and zinc as total metals; and PAHs. In April 2018, the WDNR revised NPI's discharge monitoring requirements. See text of report for details.
 J = Estimated concentration below laboratory quantitation level.
 NA = Not analyzed.

FOOTNOTES:
 (1) All NPI groundwater extraction wells were shut down in the first quarter of 2017. Consequently, no quarterly sample was collected from MH-18 in 2017.
 (2) Sampled for the priority pollutants. Results for only the "routine" substances are summarized in this table.

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

TABLE 14

GROUNDWATER SAMPLING AND PIEZOMETER ABANDONMENT SCHEDULE FOR 2020

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, Chg=Change, ND=non-detect, Q=Quarterly, SA=Semi-Annual)
		NPI VOCs	Cadmium ⁽¹⁾	NPI VOCs	Cadmium ⁽¹⁾	
PLUME 1/2						
CW-15	B8	Semi-annual	None	Semi-annual	None	
CW-19	B7	Semi-annual	None	Semi-annual	None	
CW-22	C7	Semi-annual	None	Semi-annual	None	
CW-23	B7	Semi-annual	None	Semi-annual	None	
Raw	Air stripper bldg	Semi-annual	None	Semi-annual	None	
Tower A	Air stripper bldg	Semi-annual	None	Semi-annual	None	
Tower B	Air stripper bldg	Semi-annual	None	Semi-annual	None	
Finished Product	Water plant	Semi-annual	None	Semi-annual	None	
EC-1	C7	Annual	None	Annual	None	
EC-2	C7	Annual	None	None	None	Chg SF for NPI VOCs from A to none; TCE<5 ppb since 5/01 and ND since 7/09
EC-5	C7	None	None	None	None	
EC-6	C7	Annual	None	None	None	Chg SF for NPI VOCs from A to none; TCE<5 ppb always and ND since 7/03
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; we believe 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	Annual	None	None	None	Chg SF for NPI VOCs from A to none; TCE<5 ppb always and ND since 10/11
MW-4B	K7	Semi-annual	None	Annual	None	Chg SF for NPI VOCs from SA to A; TCE<5 ppb since 8/94 & <0.5 ppb since 8/17
MW-10A	K8	None	Quarterly	None	Quarterly	
MW-10B	K8	None	Annual	None	Annual	
MW-11A	K7	None	None	None	None	
MW-12A	L7	None	None	None	None	
MW-23A	J7	Annual	None	Annual	None	
MW-23B	J7	Annual	None	Annual	None	

TABLE 14

GROUNDWATER SAMPLING AND PIEZOMETER ABANDONMENT SCHEDULE FOR 2020

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, Chg=Change, ND=non-detect, Q=Quarterly, 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	Annual	Annual	None	Annual	Chg SF for NPI VOCs from A to none; TCE<5 ppb always and ND since 10/01
MW-34C	K8	Annual	None	None	None	Chg SF for NPI VOCs from A to none; TCE<5 ppb always and ND since 12/12
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-45A	F6	Biennial	None	Biennial	None	
MW-45B	F6	Annual	None	Annual	None	
MW-45C	F6	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	Biennial	None	
MW-50A	F6	Lost	None	Lost	None	If found, sample once for NPI VOC analysis and evaluate
MW-50B	F6	Lost	None	Lost	None	If found, sample once for NPI VOC analysis and evaluate
MW-51A	F6	Biennial	None	Biennial	None	
MW-51B	F6	Annual	None	Annual	None	
MW-52A	F6	Annual	None	Annual	None	

TABLE 14

GROUNDWATER SAMPLING AND PIEZOMETER ABANDONMENT SCHEDULE FOR 2020

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, Chg=Change, ND=non-detect, Q=Quarterly, SA=Semi-Annual)
		NPI VOCs	Cadmium ⁽¹⁾	NPI VOCs	Cadmium ⁽¹⁾	
MW-52B	F6	Annual	None	Annual	None	
MW-53A	E6	Biennial	None	Biennial	None	
MW-53B	E6	Annual	None	Annual	None	
MW-54A	D6	Biennial	None	Biennial	None	
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	Annual	None	Biennial	None	Chg SF for NPI VOCs from A to biennial; TCE<5 ppb always and ND since 6/15
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	Semi-annual	None	Annual	None	Chg SF for NPI VOCs from SA to A; TCE<5 ppb always and <0.5 ppb since 12/08
MW-68B	J7	Semi-annual	Annual	Semi-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	Annual	Annual	None	Annual	Chg SF for NPI VOCs from A to none; TCE<5 ppb since 4/03 and ND since 2/04
MW-74A	J8	Annual	None	None	None	Chg SF for NPI VOCs from A to none; TCE<5 ppb always and ND since 10/11
MW-74B	J8	None	None	None	None	
MW-75	K8	None	Annual	None	Annual	
MW-76A	K7	Quarterly	None	Quarterly	None	
MW-76B	K7	Annual	None	None	None	Chg SF for NPI VOCs from A to none; TCE<5 ppb always and ND since 12/10
MW-77A	K7	Quarterly	None	Semi-annual	None	Chg SF for NPI VOCs from Q to SA; TCE<5 ppb always and <2 ppb since 10/11
MW-77B	K7	Quarterly	None	Semi-annual	None	Chg SF for NPI VOCs from Q to SA; TCE<5 ppb always and <2.5 ppb since 3/12
MW-77C	K7	Annual	None	Annual	None	

TABLE 14

GROUNDWATER SAMPLING AND PIEZOMETER ABANDONMENT SCHEDULE FOR 2020

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, Chg=Change, ND=non-detect, Q=Quarterly, SA=Semi-Annual)
		NPI VOCs	Cadmium ⁽¹⁾	NPI VOCs	Cadmium ⁽¹⁾	
PW-2	K7	None	None	None	None	
RW-2A	J7	Annual	None	Annual	None	
RW-2B	J7	Annual	None	Annual	None	
RW-2C	J7	Annual	None	Annual	None	
RW-3A	C6	Semi-annual	None	Annual	None	Chg SF for NPI VOCs from SA to A; TCE<5 ppb always and <2.5 ppb since 1/95
RW-3B	C6	Semi-annual	None	Semi-annual	None	
RW-3C	C6	Semi-annual	None	Semi-annual	None	
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	
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	
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-5B	L6	None	None	None	None	Abandon piezometer; TCE=2 and 0.15J ppb in 7/90 & 10/99 & ND since 2/00
MW-6	L6	None	None	None	None	
MW-7 ⁽⁶⁾	M6	None	None	None	None	
MW-13A	L7	None	None	None	None	
MW-18	M7	None	None	None	None	
MW-62AR	L6	Annual	None	Annual	None	Re-evaluate SF for NPI VOC analysis if EW-1R and/or EW-2 resume pumping ^(4,5)
MW-62B	L6	Annual	None	Annual	None	Re-evaluate SF for NPI VOC analysis if EW-1R and/or EW-2 resume pumping ^(4,5)

TABLE 14

GROUNDWATER SAMPLING AND PIEZOMETER ABANDONMENT SCHEDULE FOR 2020

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, Chg=Change, ND=non-detect, Q=Quarterly, SA=Semi-Annual)
		NPI VOCs	Cadmium ⁽¹⁾	NPI VOCs	Cadmium ⁽¹⁾	
MW-62C	L6	None	None	None	None	Abandon piezometer; TCE<1 ppb always since 7/92 and ND since 3/94
MW-63A	M6	Annual	None	None	None	Chg SF for NPI VOCs from A to none; VOCs<MCL/ES always & ND since 2/00 ^(4,5)
MW-63B	M6	None	None	None	None	Abandon piezometer; TCE=0.08 ppb on 2/8/94 and ND since 3/28/94
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	Annual	None	Annual	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	Re-evaluate SF for NPI VOC analysis if EW-1R and/or EW-2 resume pumping ^(4,5)
MW-66B	L6	Annual	None	None	None	Chg SF for NPI VOCs from A to none; VOCs<MCL/ES always & ND since 10/11 ^(4,5)
MW-66C	L6	None	None	None	None	Abandon piezometer; TCE=0.377 ppb on 4/20/98; ND since 10/26/98

NOTES:

Biennial = Sample collection and analysis in odd years only.

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

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

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

FOOTNOTES:

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

(2) CAS-2R and MH-18 are located within 60 feet of each other. Consequently, we sample 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 MRDS monitoring wells/piezometers (MW-5A/B, MW-62A/B/C, MW-63A/B, MW-65A/B/C, and MW-66A/B/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 2019⁽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 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 in 2019
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 supply wells have been placed in proximity to contaminated GW.	Verified
9	WRRD	Inform public and meet WAC	Review BRRTS 02-09-000267/FID 609038320 online postings for accuracy.	Reviewed

NOTES:

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 operate 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 2019 GROUNDWATER ANALYTICAL DATA

April 05, 2019

Clifford Wright
Gannett Fleming
8025 Excelsior Drive
Madison, WI 53717

Project #3483.000
NPI Q1 groundwater
Reviewed by CCW
4/5/19

RE: Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40184735

Dear Clifford Wright:

Enclosed are the analytical results for sample(s) received by the laboratory on March 26, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

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

CERTIFICATIONS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40184735

Green Bay Certification IDs

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

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

SAMPLE SUMMARY

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40184735

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40184735001	EW-6	Water	03/25/19 12:00	03/26/19 09:20
40184735002	EW-6 DUP	Water	03/25/19 00:00	03/26/19 09:20
40184735003	MW-4B	Water	03/25/19 11:25	03/26/19 09:20
40184735004	MW-10A	Water	03/25/19 12:40	03/26/19 09:20
40184735005	MW-34A	Water	03/25/19 10:50	03/26/19 09:20
40184735006	MW-68A	Water	03/25/19 10:25	03/26/19 09:20
40184735007	MW-68B	Water	03/25/19 10:30	03/26/19 09:20
40184735008	MW-70A	Water	03/25/19 11:15	03/26/19 09:20
40184735009	MW-76A	Water	03/25/19 12:10	03/26/19 09:20
40184735010	MW-77A	Water	03/25/19 11:45	03/26/19 09:20
40184735011	MW-77B	Water	03/25/19 11:40	03/26/19 09:20
40184735012	TRIP BLANK	Water	03/25/19 00:00	03/26/19 09:20
40184735013	MH-18	Water	03/25/19 10:35	03/26/19 09:20

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40184735

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40184735001	EW-6	EPA 8260	HNW	8	PASI-G
40184735002	EW-6 DUP	EPA 8260	HNW	8	PASI-G
40184735003	MW-4B	EPA 8260	HNW	8	PASI-G
40184735004	MW-10A	EPA 6010	TXW	1	PASI-G
40184735005	MW-34A	EPA 6010	TXW	1	PASI-G
		EPA 8260	HNW	8	PASI-G
40184735006	MW-68A	EPA 8260	HNW	8	PASI-G
40184735007	MW-68B	EPA 8260	HNW	8	PASI-G
40184735008	MW-70A	EPA 8260	HNW	8	PASI-G
40184735009	MW-76A	EPA 8260	HNW	8	PASI-G
40184735010	MW-77A	EPA 8260	HNW	8	PASI-G
40184735011	MW-77B	EPA 8260	HNW	8	PASI-G
40184735012	TRIP BLANK	EPA 8260	HNW	8	PASI-G
40184735013	MH-18	EPA 8260	HNW	8	PASI-G

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40184735

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40184735001	EW-6					
EPA 8260	1,1,1-Trichloroethane	0.94J	ug/L	1.0	03/27/19 11:48	
EPA 8260	Trichloroethene	0.81J	ug/L	1.0	03/27/19 11:48	
40184735002	EW-6 DUP					
EPA 8260	1,1,1-Trichloroethane	1.0	ug/L	1.0	03/27/19 09:40	
EPA 8260	Trichloroethene	0.84J	ug/L	1.0	03/27/19 09:40	
40184735003	MW-4B					
EPA 8260	Trichloroethene	0.29J	ug/L	1.0	03/27/19 10:01	
40184735004	MW-10A					
EPA 6010	Cadmium, Dissolved	14.4	ug/L	5.0	04/01/19 13:52	
40184735005	MW-34A					
EPA 6010	Cadmium, Dissolved	5.5	ug/L	5.0	04/01/19 13:54	
40184735006	MW-68A					
EPA 8260	Trichloroethene	0.39J	ug/L	1.0	03/27/19 10:44	
40184735008	MW-70A					
EPA 8260	Trichloroethene	0.88J	ug/L	1.0	03/27/19 11:27	
40184735009	MW-76A					
EPA 8260	Trichloroethene	0.28J	ug/L	1.0	03/27/19 18:11	
40184735010	MW-77A					
EPA 8260	1,1,1-Trichloroethane	0.25J	ug/L	1.0	03/27/19 18:33	
EPA 8260	Trichloroethene	1.2	ug/L	1.0	03/27/19 18:33	
40184735011	MW-77B					
EPA 8260	1,1,1-Trichloroethane	0.27J	ug/L	1.0	03/27/19 18:56	
EPA 8260	Trichloroethene	1.9	ug/L	1.0	03/27/19 18:56	
40184735013	MH-18					
EPA 8260	1,1,1-Trichloroethane	0.56J	ug/L	1.0	03/27/19 19:18	
EPA 8260	Trichloroethene	0.49J	ug/L	1.0	03/27/19 19:18	

REPORT OF LABORATORY ANALYSIS

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

PROJECT NARRATIVE

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40184735

Method: EPA 6010

Description: 6010 MET ICP, Dissolved

Client: Gannett Fleming Inc.

Date: April 05, 2019

General Information:

2 samples were analyzed for EPA 6010. 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

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

PROJECT NARRATIVE

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40184735

Method: EPA 8260

Description: 8260 MSV

Client: Gannett Fleming Inc.

Date: April 05, 2019

General Information:

12 samples were analyzed for EPA 8260. 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

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40184735

Sample: EW-6 **Lab ID: 40184735001** Collected: 03/25/19 12:00 Received: 03/26/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	0.94J	ug/L	1.0	0.24	1		03/27/19 11:48	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		03/27/19 11:48	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		03/27/19 11:48	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		03/27/19 11:48	127-18-4	
Trichloroethene	0.81J	ug/L	1.0	0.26	1		03/27/19 11:48	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		03/27/19 11:48	460-00-4	
Dibromofluoromethane (S)	95	%	70-130		1		03/27/19 11:48	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		03/27/19 11:48	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40184735

Sample: EW-6 DUP **Lab ID: 40184735002** Collected: 03/25/19 00:00 Received: 03/26/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	1.0	ug/L	1.0	0.24	1		03/27/19 09:40	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		03/27/19 09:40	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		03/27/19 09:40	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		03/27/19 09:40	127-18-4	
Trichloroethene	0.84J	ug/L	1.0	0.26	1		03/27/19 09:40	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		03/27/19 09:40	460-00-4	
Dibromofluoromethane (S)	96	%	70-130		1		03/27/19 09:40	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		03/27/19 09:40	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40184735

Sample: MW-4B **Lab ID: 40184735003** Collected: 03/25/19 11:25 Received: 03/26/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		03/27/19 10:01	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		03/27/19 10:01	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		03/27/19 10:01	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		03/27/19 10:01	127-18-4	
Trichloroethene	0.29J	ug/L	1.0	0.26	1		03/27/19 10:01	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		03/27/19 10:01	460-00-4	
Dibromofluoromethane (S)	95	%	70-130		1		03/27/19 10:01	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		03/27/19 10:01	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40184735

Sample: MW-10A **Lab ID: 40184735004** Collected: 03/25/19 12:40 Received: 03/26/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved									
Analytical Method: EPA 6010									
Cadmium, Dissolved	14.4	ug/L	5.0	1.3	1		04/01/19 13:52	7440-43-9	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40184735

Sample: MW-34A **Lab ID: 40184735005** Collected: 03/25/19 10:50 Received: 03/26/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved		Analytical Method: EPA 6010							
Cadmium, Dissolved	5.5	ug/L	5.0	1.3	1		04/01/19 13:54	7440-43-9	
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		03/27/19 10:22	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		03/27/19 10:22	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		03/27/19 10:22	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		03/27/19 10:22	127-18-4	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		03/27/19 10:22	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		03/27/19 10:22	460-00-4	
Dibromofluoromethane (S)	94	%	70-130		1		03/27/19 10:22	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		03/27/19 10:22	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40184735

Sample: MW-68A **Lab ID: 40184735006** Collected: 03/25/19 10:25 Received: 03/26/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		03/27/19 10:44	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		03/27/19 10:44	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		03/27/19 10:44	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		03/27/19 10:44	127-18-4	
Trichloroethene	0.39J	ug/L	1.0	0.26	1		03/27/19 10:44	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		03/27/19 10:44	460-00-4	
Dibromofluoromethane (S)	93	%	70-130		1		03/27/19 10:44	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		03/27/19 10:44	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40184735

Sample: MW-68B **Lab ID: 40184735007** Collected: 03/25/19 10:30 Received: 03/26/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		03/27/19 11:05	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		03/27/19 11:05	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		03/27/19 11:05	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		03/27/19 11:05	127-18-4	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		03/27/19 11:05	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		03/27/19 11:05	460-00-4	
Dibromofluoromethane (S)	94	%	70-130		1		03/27/19 11:05	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		03/27/19 11:05	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40184735

Sample: MW-70A **Lab ID: 40184735008** Collected: 03/25/19 11:15 Received: 03/26/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		03/27/19 11:27	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		03/27/19 11:27	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		03/27/19 11:27	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		03/27/19 11:27	127-18-4	
Trichloroethene	0.88J	ug/L	1.0	0.26	1		03/27/19 11:27	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		03/27/19 11:27	460-00-4	
Dibromofluoromethane (S)	93	%	70-130		1		03/27/19 11:27	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		03/27/19 11:27	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40184735

Sample: MW-76A **Lab ID: 40184735009** Collected: 03/25/19 12:10 Received: 03/26/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		03/27/19 18:11	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		03/27/19 18:11	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		03/27/19 18:11	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		03/27/19 18:11	127-18-4	
Trichloroethene	0.28J	ug/L	1.0	0.26	1		03/27/19 18:11	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		03/27/19 18:11	460-00-4	
Dibromofluoromethane (S)	106	%	70-130		1		03/27/19 18:11	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		03/27/19 18:11	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40184735

Sample: MW-77A **Lab ID: 40184735010** Collected: 03/25/19 11:45 Received: 03/26/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	0.25J	ug/L	1.0	0.24	1		03/27/19 18:33	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		03/27/19 18:33	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		03/27/19 18:33	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		03/27/19 18:33	127-18-4	
Trichloroethene	1.2	ug/L	1.0	0.26	1		03/27/19 18:33	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		03/27/19 18:33	460-00-4	
Dibromofluoromethane (S)	109	%	70-130		1		03/27/19 18:33	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		03/27/19 18:33	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40184735

Sample: MW-77B **Lab ID: 40184735011** Collected: 03/25/19 11:40 Received: 03/26/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	0.27J	ug/L	1.0	0.24	1		03/27/19 18:56	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		03/27/19 18:56	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		03/27/19 18:56	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		03/27/19 18:56	127-18-4	
Trichloroethene	1.9	ug/L	1.0	0.26	1		03/27/19 18:56	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		03/27/19 18:56	460-00-4	
Dibromofluoromethane (S)	109	%	70-130		1		03/27/19 18:56	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		03/27/19 18:56	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40184735

Sample: TRIP BLANK **Lab ID: 40184735012** Collected: 03/25/19 00:00 Received: 03/26/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		03/27/19 16:06	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		03/27/19 16:06	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		03/27/19 16:06	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		03/27/19 16:06	127-18-4	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		03/27/19 16:06	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		03/27/19 16:06	460-00-4	
Dibromofluoromethane (S)	95	%	70-130		1		03/27/19 16:06	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		03/27/19 16:06	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40184735

Sample: MH-18 **Lab ID: 40184735013** Collected: 03/25/19 10:35 Received: 03/26/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	0.56J	ug/L	1.0	0.24	1		03/27/19 19:18	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		03/27/19 19:18	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		03/27/19 19:18	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		03/27/19 19:18	127-18-4	
Trichloroethene	0.49J	ug/L	1.0	0.26	1		03/27/19 19:18	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		03/27/19 19:18	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		03/27/19 19:18	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		03/27/19 19:18	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40184735

QC Batch: 316869 Analysis Method: EPA 6010
QC Batch Method: EPA 6010 Analysis Description: ICP Metals, Trace, Dissolved
Associated Lab Samples: 40184735004, 40184735005

METHOD BLANK: 1842528 Matrix: Water
Associated Lab Samples: 40184735004, 40184735005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cadmium, Dissolved	ug/L	<1.3	5.0	04/01/19 12:37	

LABORATORY CONTROL SAMPLE: 1842529

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cadmium, Dissolved	ug/L	500	445	89	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1842530 1842531

Parameter	Units	40184792001 Result	MS	MSD	MS	MSD	MS	MSD	% Rec	Max		Qual
			Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	
Cadmium, Dissolved	ug/L	60.6	500	500	542	541	96	96	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

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

QUALITY CONTROL DATA

Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40184735

QC Batch: 316515 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40184735009, 40184735010, 40184735011, 40184735013

METHOD BLANK: 1840882 Matrix: Water
Associated Lab Samples: 40184735009, 40184735010, 40184735011, 40184735013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.24	1.0	03/27/19 16:41	
1,1-Dichloroethane	ug/L	<0.27	1.0	03/27/19 16:41	
1,1-Dichloroethene	ug/L	<0.24	1.0	03/27/19 16:41	
Tetrachloroethene	ug/L	<0.33	1.1	03/27/19 16:41	
Trichloroethene	ug/L	<0.26	1.0	03/27/19 16:41	
4-Bromofluorobenzene (S)	%	100	70-130	03/27/19 16:41	
Dibromofluoromethane (S)	%	107	70-130	03/27/19 16:41	
Toluene-d8 (S)	%	102	70-130	03/27/19 16:41	

LABORATORY CONTROL SAMPLE: 1840883

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	51.8	104	70-133	
1,1-Dichloroethane	ug/L	50	52.9	106	70-134	
1,1-Dichloroethene	ug/L	50	47.1	94	75-132	
Tetrachloroethene	ug/L	50	46.9	94	70-130	
Trichloroethene	ug/L	50	50.8	102	70-130	
4-Bromofluorobenzene (S)	%			102	70-130	
Dibromofluoromethane (S)	%			109	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1840884 1840885

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual	
		40184735009 Result	Spike Conc.	Spike Conc.	MS Result						MSD Result
1,1,1-Trichloroethane	ug/L	<0.24	50	50	53.7	53.9	107	108	70-136	0	20
1,1-Dichloroethane	ug/L	<0.27	50	50	53.4	52.8	107	106	70-139	1	20
1,1-Dichloroethene	ug/L	<0.24	50	50	47.6	48.0	95	96	72-137	1	20
Tetrachloroethene	ug/L	<0.33	50	50	48.4	48.3	96	96	70-132	0	20
Trichloroethene	ug/L	0.28J	50	50	51.6	52.2	103	104	70-131	1	20
4-Bromofluorobenzene (S)	%						103	104	70-130		
Dibromofluoromethane (S)	%						109	108	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.

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40184735

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.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40184735

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40184735004	MW-10A	EPA 6010	316869		
40184735005	MW-34A	EPA 6010	316869		
40184735001	EW-6	EPA 8260	316517		
40184735002	EW-6 DUP	EPA 8260	316517		
40184735003	MW-4B	EPA 8260	316517		
40184735005	MW-34A	EPA 8260	316517		
40184735006	MW-68A	EPA 8260	316517		
40184735007	MW-68B	EPA 8260	316517		
40184735008	MW-70A	EPA 8260	316517		
40184735009	MW-76A	EPA 8260	316515		
40184735010	MW-77A	EPA 8260	316515		
40184735011	MW-77B	EPA 8260	316515		
40184735012	TRIP BLANK	EPA 8260	316517		
40184735013	MH-18	EPA 8260	316515		

REPORT OF LABORATORY ANALYSIS

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

(Please Print Clearly)

UPPER MIDWEST REGION

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



COC No. 40184735

Company Name: Gannett Fleming, Inc.
 Branch/Location: Madison, WI
 Project Contact: Cliff Wright
 Phone: 608/836-1500 x6722
 Project Number: 34283.000
 Project Name: National Presto Industries (NPI)
 Project State: WI
 Sampled By (Print): Brett Seidlitz
 Sampled By (Sign): *Chelsea Payne*
 PO #: _____ Regulatory Program: _____

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	N	Y																	
	B	D																	
Analyses Requested	NPI Short-list VOCs	Dissolved cadmium																	

Quote #: Pace 2019
 Mail To Contact: Cliff Wright
 Mail To Company: Gannett Fleming
 Mail To Address: 8025 Excelsior Dr. 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 package to Mary Gannon for validation.
 Invoice To Phone: 715/839-2141

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

MS/MSD (billable)
 On your sample
 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																
001	EW-6	3/25/19	12:00	GW															
002	EW-6 EW-6 dup																		
003	MW-4B		11:25																
004	MW-10A		12:40																
005	MW-34A		10:50																
006	MW-68A		10:25																
007	MW-68B		10:30																
008	MW-70A		11:15																
009	MW-76A +		12:10																
010	MW-77A		11:45																
011	MW-77B		11:40																
012	Trip Blank																		
013	MH-1B		10:35																

CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
		001
		002
		003
		004
		005
		006
		007
		008
		009
		010
		011
		012
		013

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge) Date Needed:	Relinquished By: <i>Chelsea Payne</i> Date/Time: 3/25/19 17:00	Received By: _____ Date/Time: _____	PACE Project No. 40184735 Receipt Temp = ROI °C Sample Receipt pH OK/ Adjusted Cooler Custody Seal Present / Not Present Intact / Not Intact
Transmit Prelim Rush Results by (complete what you want):	Relinquished By: <i>Fred Ex</i> Date/Time: 3-26-19 0920	Received By: <i>Susan Wyle</i> Date/Time: 3-26-19 0920	
Email #1:	Relinquished By: _____ Date/Time: _____	Received By: _____ Date/Time: _____	
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: _____	

Client Name: Garnett Fleming Project # 40194735

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

Initial when completed: SKU Date/Time:

Lab Lot# of pH paper: 10453581 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	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3C	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU								WPFU	SP5T	ZPLC	GN	
001																	2																	2.5 / 5 / 10
002																	2																	2.5 / 5 / 10
003																	3																	2.5 / 5 / 10
004																																		2.5 / 5 / 10
005																																		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																	2																	2.5 / 5 / 10
013																	3																	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	DG9A	40 mL amber ascorbic	JGFU	4 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP2N	500 mL plastic HNO3	DG9T	40 mL amber Na Thio	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH, Znact	VG9U	40 mL clear vial unpres	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3U	250 mL plastic unpres	VG9H	40 mL clear vial HCL		
AG5U	100 mL amber glass unpres	BP3C	250 mL plastic NaOH	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres	BP3S	250 mL plastic H2SO4			GN:	



1241 Bellevue Street, Green Bay, WI 54302

Document Name:
Sample Condition Upon Receipt (SCUR)

Document Revised: 25Apr2018

Document No.:
F-GB-C-031-Rev.07

Issuing Authority:
Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Client Name: Garnett Fleming

Project #: _____

WO#: **40184735**

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



Tracking #: 8133 9386 2670

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: Wet Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature Uncorr: RDI / Corr: _____

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

Person examining contents:

Date: 3-26-19
Initials: SKU

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C.

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:	<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	8. <u>No MS/MSD for dissolved cadmium</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. <u>Expired 12-28-18.</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>395</u>		

Client Notification/ Resolution:

If checked, see attached form for additional comments

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: Rm for DR

Date: 03/26/19

June 21, 2019

Project #34283.000
NPI Q2 GW
Reviewed by CCW
6/24/19

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

RE: Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40189311

Dear Clifford Wright:

Enclosed are the analytical results for sample(s) received by the laboratory on June 12, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

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

CERTIFICATIONS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189311

Green Bay Certification IDs

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

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

SAMPLE SUMMARY

Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40189311

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40189311001	MW-5A	Water	06/10/19 12:00	06/12/19 09:25
40189311002	MW-4B	Water	06/10/19 14:55	06/12/19 09:25
40189311003	MW-10A	Water	06/10/19 13:30	06/12/19 09:25
40189311004	MW-62AR	Water	06/10/19 11:34	06/12/19 09:25
40189311005	MW-62AR DUP	Water	06/10/19 11:34	06/12/19 09:25
40189311006	MW-62B	Water	06/10/19 11:30	06/12/19 09:25
40189311007	MW-63A	Water	06/10/19 12:15	06/12/19 09:25
40189311008	MW-66B	Water	06/10/19 11:22	06/12/19 09:25
40189311009	MW-34A	Water	06/10/19 14:00	06/12/19 09:25
40189311010	MW-34B	Water	06/10/19 13:55	06/12/19 09:25
40189311011	MW-34C	Water	06/10/19 14:04	06/12/19 09:25
40189311012	MW-68A	Water	06/10/19 14:45	06/12/19 09:25
40189311013	MW-68B	Water	06/10/19 14:40	06/12/19 09:25
40189311014	MW-70A	Water	06/10/19 13:40	06/12/19 09:25
40189311015	MW-74A	Water	06/10/19 14:25	06/12/19 09:25
40189311016	MW-76A	Water	06/10/19 15:35	06/12/19 09:25
40189311017	MW-76B	Water	06/10/19 15:25	06/12/19 09:25
40189311018	MW-77A	Water	06/10/19 15:05	06/12/19 09:25
40189311019	MW-77B	Water	06/10/19 15:10	06/12/19 09:25
40189311020	MW-77C	Water	06/10/19 15:15	06/12/19 09:25
40189311021	TRIP BLANK	Water	06/10/19 00:00	06/12/19 09:25

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189311

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40189311001	MW-5A	EPA 8260	LAP	8	PASI-G
40189311002	MW-4B	EPA 8260	LAP	8	PASI-G
40189311003	MW-10A	EPA 6010	TXW	1	PASI-G
40189311004	MW-62AR	EPA 8260	LAP	8	PASI-G
40189311005	MW-62AR DUP	EPA 8260	LAP	8	PASI-G
40189311006	MW-62B	EPA 8260	LAP	8	PASI-G
40189311007	MW-63A	EPA 8260	LAP	8	PASI-G
40189311008	MW-66B	EPA 8260	LAP	8	PASI-G
40189311009	MW-34A	EPA 8260	LAP	8	PASI-G
40189311010	MW-34B	EPA 8260	LAP	8	PASI-G
40189311011	MW-34C	EPA 8260	LAP	8	PASI-G
40189311012	MW-68A	EPA 8260	LAP	8	PASI-G
40189311013	MW-68B	EPA 8260	LAP	8	PASI-G
40189311014	MW-70A	EPA 8260	LAP	8	PASI-G
40189311015	MW-74A	EPA 8260	LAP	8	PASI-G
40189311016	MW-76A	EPA 8260	LAP	8	PASI-G
40189311017	MW-76B	EPA 8260	LAP	8	PASI-G
40189311018	MW-77A	EPA 8260	LAP	8	PASI-G
40189311019	MW-77B	EPA 8260	LAP	8	PASI-G
40189311020	MW-77C	EPA 8260	LAP	8	PASI-G
40189311021	TRIP BLANK	EPA 8260	LAP	8	PASI-G

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189311

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40189311002	MW-4B					
EPA 8260	Trichloroethene	0.36J	ug/L	1.0	06/13/19 09:12	
40189311003	MW-10A					
EPA 6010	Cadmium, Dissolved	15.1	ug/L	5.0	06/18/19 19:06	
40189311004	MW-62AR					
EPA 8260	1,1,1-Trichloroethane	0.28J	ug/L	1.0	06/13/19 09:33	
40189311012	MW-68A					
EPA 8260	Trichloroethene	0.33J	ug/L	1.0	06/13/19 12:29	
40189311013	MW-68B					
EPA 8260	Trichloroethene	0.26J	ug/L	1.0	06/13/19 12:51	
40189311014	MW-70A					
EPA 8260	Trichloroethene	1.0J	ug/L	1.0	06/13/19 13:14	
40189311016	MW-76A					
EPA 8260	1,1,1-Trichloroethane	0.34J	ug/L	1.0	06/13/19 08:28	
EPA 8260	Trichloroethene	0.34J	ug/L	1.0	06/13/19 08:28	
40189311018	MW-77A					
EPA 8260	1,1,1-Trichloroethane	0.33J	ug/L	1.0	06/14/19 01:26	
EPA 8260	Trichloroethene	1.4	ug/L	1.0	06/14/19 01:26	
40189311019	MW-77B					
EPA 8260	1,1,1-Trichloroethane	0.28J	ug/L	1.0	06/14/19 01:48	
EPA 8260	Trichloroethene	2.0	ug/L	1.0	06/14/19 01:48	
40189311020	MW-77C					
EPA 8260	Trichloroethene	0.73J	ug/L	1.0	06/14/19 02:10	

REPORT OF LABORATORY ANALYSIS

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

PROJECT NARRATIVE

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189311

Method: EPA 6010

Description: 6010 MET ICP, Dissolved

Client: Gannett Fleming Inc.

Date: June 21, 2019

General Information:

1 sample was analyzed for EPA 6010. 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

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

PROJECT NARRATIVE

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189311

Method: EPA 8260

Description: 8260 MSV

Client: Gannett Fleming Inc.

Date: June 21, 2019

General Information:

20 samples were analyzed for EPA 8260. 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

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189311

Sample: MW-5A **Lab ID: 40189311001** Collected: 06/10/19 12:00 Received: 06/12/19 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		06/13/19 08:50	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/13/19 08:50	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/13/19 08:50	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/13/19 08:50	127-18-4	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		06/13/19 08:50	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	82	%	70-130		1		06/13/19 08:50	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		06/13/19 08:50	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		06/13/19 08:50	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189311

Sample: MW-4B **Lab ID: 40189311002** Collected: 06/10/19 14:55 Received: 06/12/19 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		06/13/19 09:12	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/13/19 09:12	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/13/19 09:12	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/13/19 09:12	127-18-4	
Trichloroethene	0.36J	ug/L	1.0	0.26	1		06/13/19 09:12	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	81	%	70-130		1		06/13/19 09:12	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		06/13/19 09:12	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		06/13/19 09:12	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189311

Sample: MW-10A **Lab ID: 40189311003** Collected: 06/10/19 13:30 Received: 06/12/19 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Cadmium, Dissolved	15.1	ug/L	5.0	1.3	1		06/18/19 19:06	7440-43-9	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189311

Sample: MW-62AR **Lab ID: 40189311004** Collected: 06/10/19 11:34 Received: 06/12/19 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	0.28J	ug/L	1.0	0.24	1		06/13/19 09:33	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/13/19 09:33	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/13/19 09:33	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/13/19 09:33	127-18-4	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		06/13/19 09:33	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	80	%	70-130		1		06/13/19 09:33	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		06/13/19 09:33	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		06/13/19 09:33	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189311

Sample: MW-62AR DUP **Lab ID: 40189311005** Collected: 06/10/19 11:34 Received: 06/12/19 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		06/13/19 09:55	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/13/19 09:55	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/13/19 09:55	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/13/19 09:55	127-18-4	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		06/13/19 09:55	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	85	%	70-130		1		06/13/19 09:55	460-00-4	
Dibromofluoromethane (S)	105	%	70-130		1		06/13/19 09:55	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		06/13/19 09:55	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189311

Sample: MW-62B **Lab ID: 40189311006** Collected: 06/10/19 11:30 Received: 06/12/19 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		06/13/19 10:17	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/13/19 10:17	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/13/19 10:17	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/13/19 10:17	127-18-4	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		06/13/19 10:17	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	85	%	70-130		1		06/13/19 10:17	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		06/13/19 10:17	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		06/13/19 10:17	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189311

Sample: MW-63A **Lab ID: 40189311007** Collected: 06/10/19 12:15 Received: 06/12/19 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		06/13/19 10:39	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/13/19 10:39	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/13/19 10:39	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/13/19 10:39	127-18-4	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		06/13/19 10:39	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	83	%	70-130		1		06/13/19 10:39	460-00-4	
Dibromofluoromethane (S)	106	%	70-130		1		06/13/19 10:39	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		06/13/19 10:39	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189311

Sample: MW-66B **Lab ID: 40189311008** Collected: 06/10/19 11:22 Received: 06/12/19 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		06/13/19 11:01	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/13/19 11:01	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/13/19 11:01	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/13/19 11:01	127-18-4	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		06/13/19 11:01	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	85	%	70-130		1		06/13/19 11:01	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		06/13/19 11:01	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		06/13/19 11:01	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189311

Sample: MW-34A **Lab ID: 40189311009** Collected: 06/10/19 14:00 Received: 06/12/19 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		06/13/19 11:23	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/13/19 11:23	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/13/19 11:23	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/13/19 11:23	127-18-4	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		06/13/19 11:23	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	85	%	70-130		1		06/13/19 11:23	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		06/13/19 11:23	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		06/13/19 11:23	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189311

Sample: MW-34B **Lab ID: 40189311010** Collected: 06/10/19 13:55 Received: 06/12/19 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		06/13/19 11:45	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/13/19 11:45	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/13/19 11:45	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/13/19 11:45	127-18-4	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		06/13/19 11:45	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	82	%	70-130		1		06/13/19 11:45	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		06/13/19 11:45	1868-53-7	
Toluene-d8 (S)	104	%	70-130		1		06/13/19 11:45	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189311

Sample: MW-34C **Lab ID: 40189311011** Collected: 06/10/19 14:04 Received: 06/12/19 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		06/13/19 12:07	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/13/19 12:07	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/13/19 12:07	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/13/19 12:07	127-18-4	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		06/13/19 12:07	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	86	%	70-130		1		06/13/19 12:07	460-00-4	
Dibromofluoromethane (S)	106	%	70-130		1		06/13/19 12:07	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		06/13/19 12:07	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189311

Sample: MW-68A **Lab ID: 40189311012** Collected: 06/10/19 14:45 Received: 06/12/19 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		06/13/19 12:29	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/13/19 12:29	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/13/19 12:29	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/13/19 12:29	127-18-4	
Trichloroethene	0.33J	ug/L	1.0	0.26	1		06/13/19 12:29	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	82	%	70-130		1		06/13/19 12:29	460-00-4	
Dibromofluoromethane (S)	105	%	70-130		1		06/13/19 12:29	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		06/13/19 12:29	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189311

Sample: MW-68B **Lab ID: 40189311013** Collected: 06/10/19 14:40 Received: 06/12/19 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		06/13/19 12:51	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/13/19 12:51	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/13/19 12:51	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/13/19 12:51	127-18-4	
Trichloroethene	0.26J	ug/L	1.0	0.26	1		06/13/19 12:51	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	85	%	70-130		1		06/13/19 12:51	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		06/13/19 12:51	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		06/13/19 12:51	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189311

Sample: MW-70A **Lab ID: 40189311014** Collected: 06/10/19 13:40 Received: 06/12/19 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		06/13/19 13:14	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/13/19 13:14	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/13/19 13:14	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/13/19 13:14	127-18-4	
Trichloroethene	1.0J	ug/L	1.0	0.26	1		06/13/19 13:14	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	84	%	70-130		1		06/13/19 13:14	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		06/13/19 13:14	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		06/13/19 13:14	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189311

Sample: MW-74A **Lab ID: 40189311015** Collected: 06/10/19 14:25 Received: 06/12/19 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		06/13/19 13:36	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/13/19 13:36	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/13/19 13:36	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/13/19 13:36	127-18-4	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		06/13/19 13:36	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	79	%	70-130		1		06/13/19 13:36	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		06/13/19 13:36	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		06/13/19 13:36	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189311

Sample: MW-76A **Lab ID: 40189311016** Collected: 06/10/19 15:35 Received: 06/12/19 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	0.34J	ug/L	1.0	0.24	1		06/13/19 08:28	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/13/19 08:28	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/13/19 08:28	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/13/19 08:28	127-18-4	
Trichloroethene	0.34J	ug/L	1.0	0.26	1		06/13/19 08:28	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	81	%	70-130		1		06/13/19 08:28	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		06/13/19 08:28	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		06/13/19 08:28	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189311

Sample: MW-76B **Lab ID: 40189311017** Collected: 06/10/19 15:25 Received: 06/12/19 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		06/13/19 13:58	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/13/19 13:58	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/13/19 13:58	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/13/19 13:58	127-18-4	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		06/13/19 13:58	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	81	%	70-130		1		06/13/19 13:58	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		06/13/19 13:58	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		06/13/19 13:58	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189311

Sample: MW-77A **Lab ID: 40189311018** Collected: 06/10/19 15:05 Received: 06/12/19 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	0.33J	ug/L	1.0	0.24	1		06/14/19 01:26	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/14/19 01:26	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/14/19 01:26	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/14/19 01:26	127-18-4	
Trichloroethene	1.4	ug/L	1.0	0.26	1		06/14/19 01:26	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	85	%	70-130		1		06/14/19 01:26	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		06/14/19 01:26	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		06/14/19 01:26	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189311

Sample: MW-77B **Lab ID: 40189311019** Collected: 06/10/19 15:10 Received: 06/12/19 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	0.28J	ug/L	1.0	0.24	1		06/14/19 01:48	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/14/19 01:48	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/14/19 01:48	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/14/19 01:48	127-18-4	
Trichloroethene	2.0	ug/L	1.0	0.26	1		06/14/19 01:48	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	86	%	70-130		1		06/14/19 01:48	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		06/14/19 01:48	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		06/14/19 01:48	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189311

Sample: MW-77C **Lab ID: 40189311020** Collected: 06/10/19 15:15 Received: 06/12/19 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		06/14/19 02:10	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/14/19 02:10	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/14/19 02:10	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/14/19 02:10	127-18-4	
Trichloroethene	0.73J	ug/L	1.0	0.26	1		06/14/19 02:10	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	85	%	70-130		1		06/14/19 02:10	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		06/14/19 02:10	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		06/14/19 02:10	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189311

Sample: TRIP BLANK **Lab ID: 40189311021** Collected: 06/10/19 00:00 Received: 06/12/19 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		06/13/19 08:06	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/13/19 08:06	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/13/19 08:06	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/13/19 08:06	127-18-4	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		06/13/19 08:06	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	88	%	70-130		1		06/13/19 08:06	460-00-4	HS
Dibromofluoromethane (S)	103	%	70-130		1		06/13/19 08:06	1868-53-7	
Toluene-d8 (S)	105	%	70-130		1		06/13/19 08:06	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40189311

QC Batch: 324739 Analysis Method: EPA 6010
QC Batch Method: EPA 6010 Analysis Description: ICP Metals, Trace, Dissolved
Associated Lab Samples: 40189311003

METHOD BLANK: 1885088 Matrix: Water
Associated Lab Samples: 40189311003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cadmium, Dissolved	ug/L	<1.3	5.0	06/18/19 18:27	

LABORATORY CONTROL SAMPLE: 1885089

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cadmium, Dissolved	ug/L	500	468	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1885090 1885091

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40189248001 Result	Spike Conc.	Spike Conc.	Conc.								
Cadmium, Dissolved	ug/L	ND	500	500	500	483	483	97	97	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

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

QUALITY CONTROL DATA

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189311

QC Batch:	324294	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
Associated Lab Samples:	40189311001, 40189311002, 40189311004, 40189311005, 40189311006, 40189311007, 40189311008, 40189311009, 40189311010, 40189311011, 40189311012, 40189311013, 40189311014, 40189311015, 40189311016, 40189311017, 40189311018, 40189311019, 40189311020, 40189311021		

METHOD BLANK:	1883013	Matrix:	Water
Associated Lab Samples:	40189311001, 40189311002, 40189311004, 40189311005, 40189311006, 40189311007, 40189311008, 40189311009, 40189311010, 40189311011, 40189311012, 40189311013, 40189311014, 40189311015, 40189311016, 40189311017, 40189311018, 40189311019, 40189311020, 40189311021		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.24	1.0	06/13/19 06:38	
1,1-Dichloroethane	ug/L	<0.27	1.0	06/13/19 06:38	
1,1-Dichloroethene	ug/L	<0.24	1.0	06/13/19 06:38	
Tetrachloroethene	ug/L	<0.33	1.1	06/13/19 06:38	
Trichloroethene	ug/L	<0.26	1.0	06/13/19 06:38	
4-Bromofluorobenzene (S)	%	85	70-130	06/13/19 06:38	
Dibromofluoromethane (S)	%	101	70-130	06/13/19 06:38	
Toluene-d8 (S)	%	97	70-130	06/13/19 06:38	

LABORATORY CONTROL SAMPLE: 1883014

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	52.8	106	70-130	
1,1-Dichloroethane	ug/L	50	51.4	103	73-150	
1,1-Dichloroethene	ug/L	50	48.5	97	73-138	
Tetrachloroethene	ug/L	50	49.5	99	70-130	
Trichloroethene	ug/L	50	51.9	104	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Dibromofluoromethane (S)	%			103	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1883015 1883016

Parameter	Units	MW-76A	MS	MSD	MS	MSD	MS	MSD	% Rec Limits	RPD	Max RPD	Qual
		40189311016	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec				
1,1,1-Trichloroethane	ug/L	0.34J	50	50	53.9	53.4	107	106	70-130	1	20	
1,1-Dichloroethane	ug/L	<0.27	50	50	51.3	51.8	103	104	73-153	1	20	
1,1-Dichloroethene	ug/L	<0.24	50	50	49.8	50.1	100	100	73-138	1	20	
Tetrachloroethene	ug/L	<0.33	50	50	49.0	50.0	98	100	70-130	2	20	
Trichloroethene	ug/L	0.34J	50	50	50.6	52.9	101	105	70-130	4	20	
4-Bromofluorobenzene (S)	%						99	99	70-130			
Dibromofluoromethane (S)	%						104	101	70-130			
Toluene-d8 (S)	%						98	96	70-130			

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

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189311

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.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

ANALYTE QUALIFIERS

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40189311

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40189311003	MW-10A	EPA 6010	324739		
40189311001	MW-5A	EPA 8260	324294		
40189311002	MW-4B	EPA 8260	324294		
40189311004	MW-62AR	EPA 8260	324294		
40189311005	MW-62AR DUP	EPA 8260	324294		
40189311006	MW-62B	EPA 8260	324294		
40189311007	MW-63A	EPA 8260	324294		
40189311008	MW-66B	EPA 8260	324294		
40189311009	MW-34A	EPA 8260	324294		
40189311010	MW-34B	EPA 8260	324294		
40189311011	MW-34C	EPA 8260	324294		
40189311012	MW-68A	EPA 8260	324294		
40189311013	MW-68B	EPA 8260	324294		
40189311014	MW-70A	EPA 8260	324294		
40189311015	MW-74A	EPA 8260	324294		
40189311016	MW-76A	EPA 8260	324294		
40189311017	MW-76B	EPA 8260	324294		
40189311018	MW-77A	EPA 8260	324294		
40189311019	MW-77B	EPA 8260	324294		
40189311020	MW-77C	EPA 8260	324294		
40189311021	TRIP BLANK	EPA 8260	324294		

REPORT OF LABORATORY ANALYSIS

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

(Please Print Clearly)

Company Name: Gannett Fleming, Inc.
Branch/Location: Madison, WI
Project Contact: Cliff Wright
Phone: 608/836-1500 x6722
Project Number: 34283.000
Project Name: National Presto Industries (NPI)
Project State: WI
Sampled By (Print): Brett Seidlitz
Sampled By (Sign): *Brett Seidlitz*
PO #: **Regulatory Program:**



UPPER MIDWEST REGION

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

Page 2 of 2
COC No. 40189311

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	N	Y	U															
Pick Letter	B	D	B															
Analyses Requested	NPI Short-list VOCs	Dissolved cadmium	Trip Blank															

Quote #: Pace 2019
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
 Sl = Sludge WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX	Analyses Requested	NPI Short-list VOCs	Dissolved cadmium	Trip Blank
		DATE	TIME					
014	MW-70A	6/10/19	13:40	GW		3		
015	MW-74A		14:25			3		
016	MW-76A		15:35			3		
017	MW-76B		15:25			3		
018	MW-77A		15:05			1		
019	MW-77B		15:10			1		
020	MW-77C		15:15			1		
021	Trip Blank							2

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge)
 Date Needed: **Transmit Prelim Rush Results by (complete what you want):**


Relinquished By: <i>[Signature]</i> Date/Time: 6/11/19 18:00	Received By: <i>[Signature]</i> Date/Time:	PACE Project No. 40189311 Receipt Temp = <i>R/T</i> °C Sample Receipt pH <input checked="" type="checkbox"/> OK / Adjusted <input type="checkbox"/> Cooler Custody Seal <input checked="" type="checkbox"/> Present / Not Present <input type="checkbox"/> Intact / Not Intact
Relinquished By: <i>[Signature]</i> Date/Time: 6/12/19 09:25	Received By: <i>[Signature]</i> Date/Time: 6/12/19 09:25	
Relinquished By:	Received By:	
Relinquished By:	Received By:	

Email #1: **Telephone:** **Fax:**

Samples on HOLD are subject to special pricing and release of liability

Client Name: Cannett Fleming Sample Preservation Receipt Form
 Project #: 40189311

Pace Lab #	Glass						Plastic						Vials				Jars			General			VOA Vials (>6mm) *	H2SO4 pH ≤	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤	pH after adjusted	Volume (mL)								
	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3B	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU								WPFU	SP5T	ZPLC	GN				
02																	N										N										2.5 / 5 / 10
																																					2.5 / 5 / 10
																																					2.5 / 5 / 10
																																					2.5 / 5 / 10
																																					2.5 / 5 / 10
																																					2.5 / 5 / 10
																																					2.5 / 5 / 10
																																					2.5 / 5 / 10
																																					2.5 / 5 / 10
																																					2.5 / 5 / 10
																																					2.5 / 5 / 10
																																					2.5 / 5 / 10
																																					2.5 / 5 / 10
																																					2.5 / 5 / 10
																																					2.5 / 5 / 10
																																					2.5 / 5 / 10
																																					2.5 / 5 / 10
																																					2.5 / 5 / 10
																																					2.5 / 5 / 10
																																					2.5 / 5 / 10
																																					2.5 / 5 / 10
																																					2.5 / 5 / 10
																																					2.5 / 5 / 10
																																					2.5 / 5 / 10
																																					2.5 / 5 / 10
																																					2.5 / 5 / 10
																																					2.5 / 5 / 10
																																					2.5 / 5 / 10
																																					2.5 / 5 / 10
																																					2.5 / 5 / 10
																																					2.5 / 5 / 10
																																					2.5 / 5 / 10
																																					2.5 / 5 / 10
																																					2.5 / 5 / 10
																																					2.5 / 5 / 10
																																					2.5 / 5 / 10
																																					2.5 / 5 / 10
																																					2.5 / 5 / 10
																																					2.5 / 5 / 10
																																					2.5 / 5 / 10
																																					2.5 / 5 / 10
																																					2.5 / 5 / 10
																																					2.5 / 5 / 10
																																					2.5 / 5 / 10
																																					2.5 / 5 / 10
																																					2.5 / 5 / 10
																																					2.5 / 5 / 10
																																					2.5 / 5 / 10
																																					2.5 / 5 / 10
																																					2.5 / 5 / 10
																																					2.5 / 5 / 10
																																					2.5 / 5 / 10
																																					2.5 / 5 / 10
																																					2.5 / 5 / 10
																																					2.5 / 5 / 10
																																					2.5 / 5 / 10
																																					2.5 / 5 / 10
																																					2.5 / 5 / 10
																																					2.5 / 5 / 10
																																					2.5 / 5 / 10
																																					2.5 / 5 / 10
																																					2.5 / 5 / 10
																																					2.5 / 5 / 10
																																					2.5 / 5 / 10
																																</					

 1241 Bellevue Street, Green Bay, WI 54302	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: 25Apr2018
	Document No.: F-GB-C-031-Rev.07	Issuing Authority: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Client Name: Carnett Fleming Project #: **WO# : 40189311**
Courier: CS Logistics Fed Ex Speedee UPS Waltco
 Client Pace Other: _____
Tracking #: 8146 9026 7340



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:** Wet Blue Dry None Samples on ice, cooling process has begun
Cooler Temperature: Uncorr: 2.0 Corr: _____
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.

Person examining contents:
 Date: 6/12/19
 Initials: _____

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<u>6/12/19</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. <u>010-2 vials - 1358</u>
-Includes date/time/ID/Analysis Matrix:	<u>W</u>	<u>6/12/19</u>
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):	_____	

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

Project Manager Review: ALB DM Date: 6/12/19

June 18, 2019

Project #34283.000
NPI Q2 GW
Reviewed by CCW
6/18/19

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

RE: Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40189429

Dear Clifford Wright:

Enclosed are the analytical results for sample(s) received by the laboratory between June 12, 2019 and June 13, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

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

CERTIFICATIONS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189429

Green Bay Certification IDs

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

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

SAMPLE SUMMARY

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189429

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40189429001	EC-1	Water	06/11/19 08:35	06/12/19 09:25
40189429002	EC-2	Water	06/11/19 12:30	06/13/19 09:20
40189429003	EC-2 DUP	Water	06/11/19 12:30	06/13/19 09:20
40189429004	EC-6	Water	06/11/19 08:30	06/12/19 09:25
40189429005	RW-3A	Water	06/11/19 07:30	06/13/19 09:20
40189429006	RW-3B	Water	06/11/19 07:35	06/13/19 09:20
40189429007	RW-3C	Water	06/11/19 07:38	06/13/19 09:20
40189429008	RW-16	Water	06/11/19 13:05	06/13/19 09:20
40189429009	RW-16B	Water	06/11/19 13:15	06/13/19 09:20
40189429010	RW-16C	Water	06/11/19 13:10	06/13/19 09:20
40189429011	MW-41A	Water	06/11/19 13:40	06/13/19 09:20
40189429012	MW-41B	Water	06/11/19 13:45	06/13/19 09:20
40189429013	MW-43A	Water	06/11/19 13:35	06/13/19 09:20
40189429014	MW-43B	Water	06/11/19 13:33	06/13/19 09:20
40189429015	MW-43B DUP	Water	06/11/19 13:33	06/13/19 09:20
40189429016	MW-45A	Water	06/11/19 10:25	06/13/19 09:20
40189429017	MW-45B	Water	06/11/19 12:25	06/13/19 09:20
40189429018	MW-45B DUP	Water	06/11/19 12:25	06/13/19 09:20
40189429019	MW-45C	Water	06/11/19 11:20	06/13/19 09:20
40189429020	MW-49A	Water	06/11/19 11:05	06/13/19 09:20
40189429021	MW-49B	Water	06/11/19 11:00	06/13/19 09:20
40189429022	MW-51A	Water	06/11/19 09:40	06/13/19 09:20
40189429023	MW-51A DUP	Water	06/11/19 09:40	06/13/19 09:20
40189429024	MW-51B	Water	06/11/19 09:38	06/13/19 09:20
40189429025	MW-52A	Water	06/11/19 09:50	06/13/19 09:20
40189429026	MW-52B	Water	06/11/19 09:55	06/13/19 09:20
40189429027	MW-53A	Water	06/11/19 10:00	06/13/19 09:20
40189429028	MW-53B	Water	06/11/19 10:05	06/13/19 09:20
40189429029	MW-54A	Water	06/11/19 10:15	06/13/19 09:20
40189429030	MW-54B	Water	06/11/19 10:10	06/13/19 09:20
40189429031	MW-54C	Water	06/11/19 10:20	06/13/19 09:20
40189429032	MW-55B	Water	06/11/19 11:15	06/13/19 09:20
40189429033	MW-55C	Water	06/11/19 11:10	06/13/19 09:20
40189429034	TRIP BLANK	Water	06/11/19 00:00	06/13/19 09:20

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40189429

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40189429001	EC-1	EPA 8260	LAP	8	PASI-G
40189429002	EC-2	EPA 8260	LAP	8	PASI-G
40189429003	EC-2 DUP	EPA 8260	LAP	8	PASI-G
40189429004	EC-6	EPA 8260	LAP	8	PASI-G
40189429005	RW-3A	EPA 8260	HNW	8	PASI-G
40189429006	RW-3B	EPA 8260	LAP	8	PASI-G
40189429007	RW-3C	EPA 8260	LAP	8	PASI-G
40189429008	RW-16	EPA 8260	LAP	8	PASI-G
40189429009	RW-16B	EPA 8260	LAP	8	PASI-G
40189429010	RW-16C	EPA 8260	LAP	8	PASI-G
40189429011	MW-41A	EPA 8260	LAP	8	PASI-G
40189429012	MW-41B	EPA 8260	LAP	8	PASI-G
40189429013	MW-43A	EPA 8260	LAP	8	PASI-G
40189429014	MW-43B	EPA 8260	LAP	8	PASI-G
40189429015	MW-43B DUP	EPA 8260	LAP	8	PASI-G
40189429016	MW-45A	EPA 8260	LAP	8	PASI-G
40189429017	MW-45B	EPA 8260	LAP	8	PASI-G
40189429018	MW-45B DUP	EPA 8260	LAP	8	PASI-G
40189429019	MW-45C	EPA 8260	LAP	8	PASI-G
40189429020	MW-49A	EPA 8260	LAP	8	PASI-G
40189429021	MW-49B	EPA 8260	LAP	8	PASI-G
40189429022	MW-51A	EPA 8260	HNW	8	PASI-G
40189429023	MW-51A DUP	EPA 8260	HNW	8	PASI-G
40189429024	MW-51B	EPA 8260	HNW	8	PASI-G
40189429025	MW-52A	EPA 8260	LAP	8	PASI-G
40189429026	MW-52B	EPA 8260	HNW	8	PASI-G
40189429027	MW-53A	EPA 8260	HNW	8	PASI-G
40189429028	MW-53B	EPA 8260	HNW	8	PASI-G
40189429029	MW-54A	EPA 8260	HNW	8	PASI-G
40189429030	MW-54B	EPA 8260	HNW	8	PASI-G
40189429031	MW-54C	EPA 8260	HNW	8	PASI-G
40189429032	MW-55B	EPA 8260	HNW	8	PASI-G
40189429033	MW-55C	EPA 8260	HNW	8	PASI-G
40189429034	TRIP BLANK	EPA 8260	HNW	8	PASI-G

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40189429

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40189429001	EC-1					
EPA 8260	Trichloroethene	1.1	ug/L	1.0	06/14/19 08:57	
40189429005	RW-3A					
EPA 8260	Trichloroethene	1.8	ug/L	1.0	06/14/19 09:08	
40189429006	RW-3B					
EPA 8260	Trichloroethene	2.8	ug/L	1.0	06/14/19 09:43	
40189429007	RW-3C					
EPA 8260	1,1,1-Trichloroethane	0.28J	ug/L	1.0	06/14/19 10:06	
EPA 8260	Trichloroethene	3.2	ug/L	1.0	06/14/19 10:06	
40189429008	RW-16					
EPA 8260	Trichloroethene	1.9	ug/L	1.0	06/14/19 10:29	
40189429009	RW-16B					
EPA 8260	1,1,1-Trichloroethane	0.28J	ug/L	1.0	06/14/19 10:52	
EPA 8260	Trichloroethene	2.6	ug/L	1.0	06/14/19 10:52	
40189429010	RW-16C					
EPA 8260	Trichloroethene	2.4	ug/L	1.0	06/14/19 11:15	
40189429011	MW-41A					
EPA 8260	Trichloroethene	2.3	ug/L	1.0	06/14/19 11:38	
40189429012	MW-41B					
EPA 8260	Trichloroethene	1.8	ug/L	1.0	06/14/19 12:01	
40189429013	MW-43A					
EPA 8260	1,1,1-Trichloroethane	0.30J	ug/L	1.0	06/14/19 12:24	
EPA 8260	Trichloroethene	1.7	ug/L	1.0	06/14/19 12:24	
40189429014	MW-43B					
EPA 8260	1,1,1-Trichloroethane	0.36J	ug/L	1.0	06/14/19 12:47	
EPA 8260	Trichloroethene	1.3	ug/L	1.0	06/14/19 12:47	
40189429015	MW-43B DUP					
EPA 8260	1,1,1-Trichloroethane	0.34J	ug/L	1.0	06/14/19 13:10	
EPA 8260	Trichloroethene	1.4	ug/L	1.0	06/14/19 13:10	
40189429016	MW-45A					
EPA 8260	Trichloroethene	0.96J	ug/L	1.0	06/14/19 13:33	
40189429017	MW-45B					
EPA 8260	Trichloroethene	2.0	ug/L	1.0	06/14/19 13:56	
40189429018	MW-45B DUP					
EPA 8260	Trichloroethene	2.2	ug/L	1.0	06/14/19 14:18	
40189429019	MW-45C					
EPA 8260	Trichloroethene	1.8	ug/L	1.0	06/14/19 14:41	

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40189429

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40189429020	MW-49A					
EPA 8260	Trichloroethene	0.50J	ug/L	1.0	06/14/19 15:04	
40189429022	MW-51A					
EPA 8260	Trichloroethene	0.30J	ug/L	1.0	06/14/19 12:42	
40189429024	MW-51B					
EPA 8260	1,1,1-Trichloroethane	0.49J	ug/L	1.0	06/14/19 10:33	
EPA 8260	Tetrachloroethene	0.34J	ug/L	1.1	06/14/19 10:33	
EPA 8260	Trichloroethene	3.6	ug/L	1.0	06/14/19 10:33	
40189429025	MW-52A					
EPA 8260	Tetrachloroethene	0.35J	ug/L	1.1	06/17/19 11:30	
EPA 8260	Trichloroethene	2.5	ug/L	1.0	06/17/19 11:30	
40189429026	MW-52B					
EPA 8260	1,1,1-Trichloroethane	0.46J	ug/L	1.0	06/14/19 10:55	
EPA 8260	Trichloroethene	3.8	ug/L	1.0	06/14/19 10:55	
40189429027	MW-53A					
EPA 8260	Trichloroethene	1.7	ug/L	1.0	06/14/19 11:16	
40189429028	MW-53B					
EPA 8260	1,1,1-Trichloroethane	0.37J	ug/L	1.0	06/14/19 11:38	
EPA 8260	Trichloroethene	3.1	ug/L	1.0	06/14/19 11:38	
40189429030	MW-54B					
EPA 8260	1,1,1-Trichloroethane	0.38J	ug/L	1.0	06/14/19 13:04	
EPA 8260	Trichloroethene	3.8	ug/L	1.0	06/14/19 13:04	
40189429031	MW-54C					
EPA 8260	1,1,1-Trichloroethane	0.43J	ug/L	1.0	06/14/19 13:25	
EPA 8260	Trichloroethene	4.1	ug/L	1.0	06/14/19 13:25	
40189429032	MW-55B					
EPA 8260	Trichloroethene	1.6	ug/L	1.0	06/14/19 13:47	

REPORT OF LABORATORY ANALYSIS

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

PROJECT NARRATIVE

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189429

Method: EPA 8260

Description: 8260 MSV

Client: Gannett Fleming Inc.

Date: June 18, 2019

General Information:

34 samples were analyzed for EPA 8260. 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

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189429

Sample: EC-1 **Lab ID:** 40189429001 Collected: 06/11/19 08:35 Received: 06/12/19 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		06/14/19 08:57	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/14/19 08:57	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/14/19 08:57	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/14/19 08:57	127-18-4	
Trichloroethene	1.1	ug/L	1.0	0.26	1		06/14/19 08:57	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		06/14/19 08:57	460-00-4	
Dibromofluoromethane (S)	117	%	70-130		1		06/14/19 08:57	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		06/14/19 08:57	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189429

Sample: EC-2 **Lab ID: 40189429002** Collected: 06/11/19 12:30 Received: 06/13/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		06/14/19 15:50	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/14/19 15:50	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/14/19 15:50	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/14/19 15:50	127-18-4	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		06/14/19 15:50	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	88	%	70-130		1		06/14/19 15:50	460-00-4	
Dibromofluoromethane (S)	122	%	70-130		1		06/14/19 15:50	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		06/14/19 15:50	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189429

Sample: EC-2 DUP **Lab ID: 40189429003** Collected: 06/11/19 12:30 Received: 06/13/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		06/14/19 16:13	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/14/19 16:13	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/14/19 16:13	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/14/19 16:13	127-18-4	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		06/14/19 16:13	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		06/14/19 16:13	460-00-4	
Dibromofluoromethane (S)	123	%	70-130		1		06/14/19 16:13	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		06/14/19 16:13	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189429

Sample: EC-6 **Lab ID: 40189429004** Collected: 06/11/19 08:30 Received: 06/12/19 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		06/14/19 09:20	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/14/19 09:20	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/14/19 09:20	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/14/19 09:20	127-18-4	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		06/14/19 09:20	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		06/14/19 09:20	460-00-4	
Dibromofluoromethane (S)	123	%	70-130		1		06/14/19 09:20	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		06/14/19 09:20	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189429

Sample: RW-3A **Lab ID: 40189429005** Collected: 06/11/19 07:30 Received: 06/13/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		06/14/19 09:08	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/14/19 09:08	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/14/19 09:08	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/14/19 09:08	127-18-4	
Trichloroethene	1.8	ug/L	1.0	0.26	1		06/14/19 09:08	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	88	%	70-130		1		06/14/19 09:08	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		06/14/19 09:08	1868-53-7	
Toluene-d8 (S)	88	%	70-130		1		06/14/19 09:08	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189429

Sample: RW-3B **Lab ID: 40189429006** Collected: 06/11/19 07:35 Received: 06/13/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		06/14/19 09:43	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/14/19 09:43	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/14/19 09:43	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/14/19 09:43	127-18-4	
Trichloroethene	2.8	ug/L	1.0	0.26	1		06/14/19 09:43	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		06/14/19 09:43	460-00-4	
Dibromofluoromethane (S)	111	%	70-130		1		06/14/19 09:43	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		06/14/19 09:43	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189429

Sample: RW-3C **Lab ID: 40189429007** Collected: 06/11/19 07:38 Received: 06/13/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	0.28J	ug/L	1.0	0.24	1		06/14/19 10:06	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/14/19 10:06	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/14/19 10:06	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/14/19 10:06	127-18-4	
Trichloroethene	3.2	ug/L	1.0	0.26	1		06/14/19 10:06	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		06/14/19 10:06	460-00-4	
Dibromofluoromethane (S)	115	%	70-130		1		06/14/19 10:06	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		06/14/19 10:06	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189429

Sample: RW-16 **Lab ID: 40189429008** Collected: 06/11/19 13:05 Received: 06/13/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		06/14/19 10:29	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/14/19 10:29	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/14/19 10:29	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/14/19 10:29	127-18-4	
Trichloroethene	1.9	ug/L	1.0	0.26	1		06/14/19 10:29	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		06/14/19 10:29	460-00-4	
Dibromofluoromethane (S)	118	%	70-130		1		06/14/19 10:29	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		06/14/19 10:29	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189429

Sample: RW-16B **Lab ID: 40189429009** Collected: 06/11/19 13:15 Received: 06/13/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	0.28J	ug/L	1.0	0.24	1		06/14/19 10:52	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/14/19 10:52	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/14/19 10:52	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/14/19 10:52	127-18-4	
Trichloroethene	2.6	ug/L	1.0	0.26	1		06/14/19 10:52	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		06/14/19 10:52	460-00-4	
Dibromofluoromethane (S)	117	%	70-130		1		06/14/19 10:52	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		06/14/19 10:52	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189429

Sample: RW-16C **Lab ID: 40189429010** Collected: 06/11/19 13:10 Received: 06/13/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		06/14/19 11:15	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/14/19 11:15	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/14/19 11:15	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/14/19 11:15	127-18-4	
Trichloroethene	2.4	ug/L	1.0	0.26	1		06/14/19 11:15	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		06/14/19 11:15	460-00-4	
Dibromofluoromethane (S)	116	%	70-130		1		06/14/19 11:15	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		06/14/19 11:15	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189429

Sample: MW-41A **Lab ID: 40189429011** Collected: 06/11/19 13:40 Received: 06/13/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		06/14/19 11:38	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/14/19 11:38	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/14/19 11:38	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/14/19 11:38	127-18-4	
Trichloroethene	2.3	ug/L	1.0	0.26	1		06/14/19 11:38	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		06/14/19 11:38	460-00-4	
Dibromofluoromethane (S)	116	%	70-130		1		06/14/19 11:38	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		06/14/19 11:38	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189429

Sample: MW-41B **Lab ID: 40189429012** Collected: 06/11/19 13:45 Received: 06/13/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		06/14/19 12:01	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/14/19 12:01	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/14/19 12:01	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/14/19 12:01	127-18-4	
Trichloroethene	1.8	ug/L	1.0	0.26	1		06/14/19 12:01	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	86	%	70-130		1		06/14/19 12:01	460-00-4	
Dibromofluoromethane (S)	120	%	70-130		1		06/14/19 12:01	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		06/14/19 12:01	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189429

Sample: MW-43A **Lab ID: 40189429013** Collected: 06/11/19 13:35 Received: 06/13/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	0.30J	ug/L	1.0	0.24	1		06/14/19 12:24	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/14/19 12:24	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/14/19 12:24	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/14/19 12:24	127-18-4	
Trichloroethene	1.7	ug/L	1.0	0.26	1		06/14/19 12:24	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		06/14/19 12:24	460-00-4	
Dibromofluoromethane (S)	118	%	70-130		1		06/14/19 12:24	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		06/14/19 12:24	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189429

Sample: MW-43B **Lab ID: 40189429014** Collected: 06/11/19 13:33 Received: 06/13/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	0.36J	ug/L	1.0	0.24	1		06/14/19 12:47	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/14/19 12:47	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/14/19 12:47	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/14/19 12:47	127-18-4	
Trichloroethene	1.3	ug/L	1.0	0.26	1		06/14/19 12:47	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		06/14/19 12:47	460-00-4	
Dibromofluoromethane (S)	115	%	70-130		1		06/14/19 12:47	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		06/14/19 12:47	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189429

Sample: MW-43B DUP **Lab ID: 40189429015** Collected: 06/11/19 13:33 Received: 06/13/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	0.34J	ug/L	1.0	0.24	1		06/14/19 13:10	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/14/19 13:10	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/14/19 13:10	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/14/19 13:10	127-18-4	
Trichloroethene	1.4	ug/L	1.0	0.26	1		06/14/19 13:10	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		06/14/19 13:10	460-00-4	
Dibromofluoromethane (S)	123	%	70-130		1		06/14/19 13:10	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		06/14/19 13:10	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189429

Sample: MW-45A **Lab ID: 40189429016** Collected: 06/11/19 10:25 Received: 06/13/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		06/14/19 13:33	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/14/19 13:33	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/14/19 13:33	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/14/19 13:33	127-18-4	
Trichloroethene	0.96J	ug/L	1.0	0.26	1		06/14/19 13:33	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		06/14/19 13:33	460-00-4	
Dibromofluoromethane (S)	118	%	70-130		1		06/14/19 13:33	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		06/14/19 13:33	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189429

Sample: MW-45B **Lab ID: 40189429017** Collected: 06/11/19 12:25 Received: 06/13/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		06/14/19 13:56	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/14/19 13:56	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/14/19 13:56	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/14/19 13:56	127-18-4	
Trichloroethene	2.0	ug/L	1.0	0.26	1		06/14/19 13:56	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		06/14/19 13:56	460-00-4	
Dibromofluoromethane (S)	118	%	70-130		1		06/14/19 13:56	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		06/14/19 13:56	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189429

Sample: MW-45B DUP **Lab ID: 40189429018** Collected: 06/11/19 12:25 Received: 06/13/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		06/14/19 14:18	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/14/19 14:18	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/14/19 14:18	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/14/19 14:18	127-18-4	
Trichloroethene	2.2	ug/L	1.0	0.26	1		06/14/19 14:18	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		06/14/19 14:18	460-00-4	
Dibromofluoromethane (S)	122	%	70-130		1		06/14/19 14:18	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		06/14/19 14:18	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189429

Sample: MW-45C **Lab ID: 40189429019** Collected: 06/11/19 11:20 Received: 06/13/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		06/14/19 14:41	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/14/19 14:41	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/14/19 14:41	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/14/19 14:41	127-18-4	
Trichloroethene	1.8	ug/L	1.0	0.26	1		06/14/19 14:41	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		06/14/19 14:41	460-00-4	
Dibromofluoromethane (S)	115	%	70-130		1		06/14/19 14:41	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		06/14/19 14:41	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189429

Sample: MW-49A **Lab ID: 40189429020** Collected: 06/11/19 11:05 Received: 06/13/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		06/14/19 15:04	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/14/19 15:04	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/14/19 15:04	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/14/19 15:04	127-18-4	
Trichloroethene	0.50J	ug/L	1.0	0.26	1		06/14/19 15:04	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		06/14/19 15:04	460-00-4	
Dibromofluoromethane (S)	116	%	70-130		1		06/14/19 15:04	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		06/14/19 15:04	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40189429

Sample: MW-49B **Lab ID: 40189429021** Collected: 06/11/19 11:00 Received: 06/13/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		06/14/19 15:27	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/14/19 15:27	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/14/19 15:27	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/14/19 15:27	127-18-4	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		06/14/19 15:27	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		06/14/19 15:27	460-00-4	
Dibromofluoromethane (S)	116	%	70-130		1		06/14/19 15:27	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		06/14/19 15:27	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189429

Sample: MW-51A **Lab ID: 40189429022** Collected: 06/11/19 09:40 Received: 06/13/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		06/14/19 12:42	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/14/19 12:42	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/14/19 12:42	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/14/19 12:42	127-18-4	
Trichloroethene	0.30J	ug/L	1.0	0.26	1		06/14/19 12:42	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	70-130		1		06/14/19 12:42	460-00-4	
Dibromofluoromethane (S)	110	%	70-130		1		06/14/19 12:42	1868-53-7	
Toluene-d8 (S)	87	%	70-130		1		06/14/19 12:42	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189429

Sample: MW-51A DUP **Lab ID: 40189429023** Collected: 06/11/19 09:40 Received: 06/13/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		06/14/19 10:12	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/14/19 10:12	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/14/19 10:12	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/14/19 10:12	127-18-4	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		06/14/19 10:12	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		06/14/19 10:12	460-00-4	
Dibromofluoromethane (S)	105	%	70-130		1		06/14/19 10:12	1868-53-7	
Toluene-d8 (S)	87	%	70-130		1		06/14/19 10:12	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189429

Sample: MW-51B **Lab ID: 40189429024** Collected: 06/11/19 09:38 Received: 06/13/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	0.49J	ug/L	1.0	0.24	1		06/14/19 10:33	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/14/19 10:33	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/14/19 10:33	75-35-4	
Tetrachloroethene	0.34J	ug/L	1.1	0.33	1		06/14/19 10:33	127-18-4	
Trichloroethene	3.6	ug/L	1.0	0.26	1		06/14/19 10:33	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	70-130		1		06/14/19 10:33	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		06/14/19 10:33	1868-53-7	
Toluene-d8 (S)	89	%	70-130		1		06/14/19 10:33	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189429

Sample: MW-52A **Lab ID: 40189429025** Collected: 06/11/19 09:50 Received: 06/13/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		06/17/19 11:30	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/17/19 11:30	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/17/19 11:30	75-35-4	
Tetrachloroethene	0.35J	ug/L	1.1	0.33	1		06/17/19 11:30	127-18-4	
Trichloroethene	2.5	ug/L	1.0	0.26	1		06/17/19 11:30	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		06/17/19 11:30	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		06/17/19 11:30	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		06/17/19 11:30	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189429

Sample: MW-52B **Lab ID: 40189429026** Collected: 06/11/19 09:55 Received: 06/13/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	0.46J	ug/L	1.0	0.24	1		06/14/19 10:55	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/14/19 10:55	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/14/19 10:55	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/14/19 10:55	127-18-4	
Trichloroethene	3.8	ug/L	1.0	0.26	1		06/14/19 10:55	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		06/14/19 10:55	460-00-4	
Dibromofluoromethane (S)	106	%	70-130		1		06/14/19 10:55	1868-53-7	
Toluene-d8 (S)	88	%	70-130		1		06/14/19 10:55	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189429

Sample: MW-53A **Lab ID: 40189429027** Collected: 06/11/19 10:00 Received: 06/13/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		06/14/19 11:16	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/14/19 11:16	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/14/19 11:16	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/14/19 11:16	127-18-4	
Trichloroethene	1.7	ug/L	1.0	0.26	1		06/14/19 11:16	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	86	%	70-130		1		06/14/19 11:16	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		06/14/19 11:16	1868-53-7	
Toluene-d8 (S)	87	%	70-130		1		06/14/19 11:16	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189429

Sample: MW-53B **Lab ID: 40189429028** Collected: 06/11/19 10:05 Received: 06/13/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	0.37J	ug/L	1.0	0.24	1		06/14/19 11:38	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/14/19 11:38	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/14/19 11:38	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/14/19 11:38	127-18-4	
Trichloroethene	3.1	ug/L	1.0	0.26	1		06/14/19 11:38	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	70-130		1		06/14/19 11:38	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		1		06/14/19 11:38	1868-53-7	
Toluene-d8 (S)	87	%	70-130		1		06/14/19 11:38	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189429

Sample: MW-54A **Lab ID: 40189429029** Collected: 06/11/19 10:15 Received: 06/13/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		06/14/19 12:21	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/14/19 12:21	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/14/19 12:21	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/14/19 12:21	127-18-4	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		06/14/19 12:21	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	86	%	70-130		1		06/14/19 12:21	460-00-4	
Dibromofluoromethane (S)	109	%	70-130		1		06/14/19 12:21	1868-53-7	
Toluene-d8 (S)	88	%	70-130		1		06/14/19 12:21	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189429

Sample: MW-54B **Lab ID: 40189429030** Collected: 06/11/19 10:10 Received: 06/13/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	0.38J	ug/L	1.0	0.24	1		06/14/19 13:04	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/14/19 13:04	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/14/19 13:04	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/14/19 13:04	127-18-4	
Trichloroethene	3.8	ug/L	1.0	0.26	1		06/14/19 13:04	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		06/14/19 13:04	460-00-4	
Dibromofluoromethane (S)	110	%	70-130		1		06/14/19 13:04	1868-53-7	
Toluene-d8 (S)	88	%	70-130		1		06/14/19 13:04	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189429

Sample: MW-54C **Lab ID: 40189429031** Collected: 06/11/19 10:20 Received: 06/13/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	0.43J	ug/L	1.0	0.24	1		06/14/19 13:25	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/14/19 13:25	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/14/19 13:25	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/14/19 13:25	127-18-4	
Trichloroethene	4.1	ug/L	1.0	0.26	1		06/14/19 13:25	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		06/14/19 13:25	460-00-4	
Dibromofluoromethane (S)	113	%	70-130		1		06/14/19 13:25	1868-53-7	
Toluene-d8 (S)	88	%	70-130		1		06/14/19 13:25	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189429

Sample: MW-55B **Lab ID: 40189429032** Collected: 06/11/19 11:15 Received: 06/13/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		06/14/19 13:47	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/14/19 13:47	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/14/19 13:47	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/14/19 13:47	127-18-4	
Trichloroethene	1.6	ug/L	1.0	0.26	1		06/14/19 13:47	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	70-130		1		06/14/19 13:47	460-00-4	
Dibromofluoromethane (S)	109	%	70-130		1		06/14/19 13:47	1868-53-7	
Toluene-d8 (S)	89	%	70-130		1		06/14/19 13:47	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189429

Sample: MW-55C **Lab ID: 40189429033** Collected: 06/11/19 11:10 Received: 06/13/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		06/14/19 14:08	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/14/19 14:08	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/14/19 14:08	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/14/19 14:08	127-18-4	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		06/14/19 14:08	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	88	%	70-130		1		06/14/19 14:08	460-00-4	
Dibromofluoromethane (S)	110	%	70-130		1		06/14/19 14:08	1868-53-7	
Toluene-d8 (S)	88	%	70-130		1		06/14/19 14:08	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189429

Sample: TRIP BLANK **Lab ID: 40189429034** Collected: 06/11/19 00:00 Received: 06/13/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		06/14/19 15:13	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/14/19 15:13	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/14/19 15:13	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/14/19 15:13	127-18-4	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		06/14/19 15:13	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		06/14/19 15:13	460-00-4	HS
Dibromofluoromethane (S)	112	%	70-130		1		06/14/19 15:13	1868-53-7	
Toluene-d8 (S)	87	%	70-130		1		06/14/19 15:13	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189429

QC Batch:	324443	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
Associated Lab Samples:	40189429001, 40189429002, 40189429003, 40189429004, 40189429006, 40189429007, 40189429008, 40189429009, 40189429010, 40189429011, 40189429012, 40189429013, 40189429014, 40189429015, 40189429016, 40189429017, 40189429018, 40189429019, 40189429020, 40189429021		

METHOD BLANK:	1883678	Matrix:	Water
Associated Lab Samples:	40189429001, 40189429002, 40189429003, 40189429004, 40189429006, 40189429007, 40189429008, 40189429009, 40189429010, 40189429011, 40189429012, 40189429013, 40189429014, 40189429015, 40189429016, 40189429017, 40189429018, 40189429019, 40189429020, 40189429021		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.24	1.0	06/14/19 07:02	
1,1-Dichloroethane	ug/L	<0.27	1.0	06/14/19 07:02	
1,1-Dichloroethene	ug/L	<0.24	1.0	06/14/19 07:02	
Tetrachloroethene	ug/L	<0.33	1.1	06/14/19 07:02	
Trichloroethene	ug/L	<0.26	1.0	06/14/19 07:02	
4-Bromofluorobenzene (S)	%	94	70-130	06/14/19 07:02	
Dibromofluoromethane (S)	%	105	70-130	06/14/19 07:02	
Toluene-d8 (S)	%	96	70-130	06/14/19 07:02	

LABORATORY CONTROL SAMPLE: 1883679						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	55.2	110	70-130	
1,1-Dichloroethane	ug/L	50	53.6	107	73-150	
1,1-Dichloroethene	ug/L	50	48.6	97	73-138	
Tetrachloroethene	ug/L	50	48.7	97	70-130	
Trichloroethene	ug/L	50	53.7	107	70-130	
4-Bromofluorobenzene (S)	%			97	70-130	
Dibromofluoromethane (S)	%			107	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1883680											1883681	
Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40189429001 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
1,1,1-Trichloroethane	ug/L	<0.24	50	50	55.9	53.8	112	108	70-130	4	20	
1,1-Dichloroethane	ug/L	<0.27	50	50	53.3	52.5	107	105	73-153	2	20	
1,1-Dichloroethene	ug/L	<0.24	50	50	47.5	47.9	95	96	73-138	1	20	
Tetrachloroethene	ug/L	<0.33	50	50	49.6	48.3	99	97	70-130	3	20	
Trichloroethene	ug/L	1.1	50	50	56.0	54.9	110	108	70-130	2	20	
4-Bromofluorobenzene (S)	%						97	100	70-130			
Dibromofluoromethane (S)	%						109	104	70-130			
Toluene-d8 (S)	%						99	96	70-130			

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189429

QC Batch:	324444	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
Associated Lab Samples:	40189429005, 40189429022, 40189429023, 40189429024, 40189429026, 40189429027, 40189429028, 40189429029, 40189429030, 40189429031, 40189429032, 40189429033, 40189429034		

METHOD BLANK: 1883682 Matrix: Water
Associated Lab Samples: 40189429005, 40189429022, 40189429023, 40189429024, 40189429026, 40189429027, 40189429028, 40189429029, 40189429030, 40189429031, 40189429032, 40189429033, 40189429034

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.24	1.0	06/14/19 06:59	
1,1-Dichloroethane	ug/L	<0.27	1.0	06/14/19 06:59	
1,1-Dichloroethene	ug/L	<0.24	1.0	06/14/19 06:59	
Tetrachloroethene	ug/L	<0.33	1.1	06/14/19 06:59	
Trichloroethene	ug/L	<0.26	1.0	06/14/19 06:59	
4-Bromofluorobenzene (S)	%	85	70-130	06/14/19 06:59	
Dibromofluoromethane (S)	%	108	70-130	06/14/19 06:59	
Toluene-d8 (S)	%	88	70-130	06/14/19 06:59	

LABORATORY CONTROL SAMPLE: 1883683

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	61.8	124	70-130	
1,1-Dichloroethane	ug/L	50	46.9	94	73-150	
1,1-Dichloroethene	ug/L	50	48.2	96	73-138	
Tetrachloroethene	ug/L	50	53.8	108	70-130	
Trichloroethene	ug/L	50	52.3	105	70-130	
4-Bromofluorobenzene (S)	%			103	70-130	
Dibromofluoromethane (S)	%			109	70-130	
Toluene-d8 (S)	%			91	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1883684 1883685

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40189429005 Result	Spike Conc.	Spike Conc.	MS Result								
1,1,1-Trichloroethane	ug/L	<0.24	50	50	62.8	64.2	125	128	70-130	2	20		
1,1-Dichloroethane	ug/L	<0.27	50	50	47.6	48.7	95	97	73-153	2	20		
1,1-Dichloroethene	ug/L	<0.24	50	50	50.4	52.1	101	104	73-138	3	20		
Tetrachloroethene	ug/L	<0.33	50	50	51.7	54.7	103	109	70-130	6	20		
Trichloroethene	ug/L	1.8	50	50	53.9	55.1	104	107	70-130	2	20		
4-Bromofluorobenzene (S)	%						101	103	70-130				
Dibromofluoromethane (S)	%						110	112	70-130				
Toluene-d8 (S)	%						90	89	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

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

QUALITY CONTROL DATA

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189429

QC Batch: 324600 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40189429025

METHOD BLANK: 1884611 Matrix: Water
Associated Lab Samples: 40189429025

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.24	1.0	06/17/19 08:49	
1,1-Dichloroethane	ug/L	<0.27	1.0	06/17/19 08:49	
1,1-Dichloroethene	ug/L	<0.24	1.0	06/17/19 08:49	
Tetrachloroethene	ug/L	<0.33	1.1	06/17/19 08:49	
Trichloroethene	ug/L	<0.26	1.0	06/17/19 08:49	
4-Bromofluorobenzene (S)	%	96	70-130	06/17/19 08:49	
Dibromofluoromethane (S)	%	105	70-130	06/17/19 08:49	
Toluene-d8 (S)	%	100	70-130	06/17/19 08:49	

LABORATORY CONTROL SAMPLE: 1884612

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	51.3	103	70-130	
1,1-Dichloroethane	ug/L	50	48.9	98	73-150	
1,1-Dichloroethene	ug/L	50	47.4	95	73-138	
Tetrachloroethene	ug/L	50	49.2	98	70-130	
Trichloroethene	ug/L	50	51.8	104	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Dibromofluoromethane (S)	%			100	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1884613 1884614

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40189429025 Result	Spike Conc.	Spike Conc.	Conc.								
1,1,1-Trichloroethane	ug/L	<0.24	50	50	50	53.8	54.7	108	109	70-130	2	20	
1,1-Dichloroethane	ug/L	<0.27	50	50	50	52.1	52.2	104	104	73-153	0	20	
1,1-Dichloroethene	ug/L	<0.24	50	50	50	48.4	48.4	97	97	73-138	0	20	
Tetrachloroethene	ug/L	0.35J	50	50	50	47.8	49.9	95	99	70-130	4	20	
Trichloroethene	ug/L	2.5	50	50	50	57.3	57.3	110	109	70-130	0	20	
4-Bromofluorobenzene (S)	%							100	99	70-130			
Dibromofluoromethane (S)	%							102	104	70-130			
Toluene-d8 (S)	%							100	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

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

QUALIFIERS

Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40189429

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.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

ANALYTE QUALIFIERS

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40189429

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40189429001	EC-1	EPA 8260	324443		
40189429002	EC-2	EPA 8260	324443		
40189429003	EC-2 DUP	EPA 8260	324443		
40189429004	EC-6	EPA 8260	324443		
40189429005	RW-3A	EPA 8260	324444		
40189429006	RW-3B	EPA 8260	324443		
40189429007	RW-3C	EPA 8260	324443		
40189429008	RW-16	EPA 8260	324443		
40189429009	RW-16B	EPA 8260	324443		
40189429010	RW-16C	EPA 8260	324443		
40189429011	MW-41A	EPA 8260	324443		
40189429012	MW-41B	EPA 8260	324443		
40189429013	MW-43A	EPA 8260	324443		
40189429014	MW-43B	EPA 8260	324443		
40189429015	MW-43B DUP	EPA 8260	324443		
40189429016	MW-45A	EPA 8260	324443		
40189429017	MW-45B	EPA 8260	324443		
40189429018	MW-45B DUP	EPA 8260	324443		
40189429019	MW-45C	EPA 8260	324443		
40189429020	MW-49A	EPA 8260	324443		
40189429021	MW-49B	EPA 8260	324443		
40189429022	MW-51A	EPA 8260	324444		
40189429023	MW-51A DUP	EPA 8260	324444		
40189429024	MW-51B	EPA 8260	324444		
40189429025	MW-52A	EPA 8260	324600		
40189429026	MW-52B	EPA 8260	324444		
40189429027	MW-53A	EPA 8260	324444		
40189429028	MW-53B	EPA 8260	324444		
40189429029	MW-54A	EPA 8260	324444		
40189429030	MW-54B	EPA 8260	324444		
40189429031	MW-54C	EPA 8260	324444		
40189429032	MW-55B	EPA 8260	324444		
40189429033	MW-55C	EPA 8260	324444		
40189429034	TRIP BLANK	EPA 8260	324444		

REPORT OF LABORATORY ANALYSIS

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

(Please Print Clearly)

Company Name: Gannett Fleming, Inc.
Branch/Location: Madison, WI
Project Contact: Cliff Wright
Phone: 608/836-1500 x6722
Project Number: 34283.000
Project Name: National Presto Industries (NPI)
Project State: WI
Sampled By (Print): Brett Seidlitz
Sampled By (Sign): *[Signature]*



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

COC No. 40189429

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	N	Y																		
	B	D																		
Analyses Requested	NPI Short-list VOCs	Dissolved cadmium																		

Quote #: Pace 2019
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

Regulatory Program:

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

MS/MSD (billable)
 On your sample
 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	EC-1 EC-1	6/11/19	8:35	GW																		
002	EC-2		12:30																			
003	EC-2 dup		"																			
004	EC-6		8:30																			
005	RW-3A		7:30																			
006	RW-3B		7:35																			
007	RW-3C		7:38																			
008	RW-16		13:05																			
009	RW-16 B		13:15																			
010	RW-16 C		13:10																			
011	MW-41A		13:40																			
012	MW-41 B		13:45																			
013	MW-43A		13:35																			

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge) Date Needed:	Relinquished By: <i>[Signature]</i> Date/Time: 6/11/19 18:00	Received By: Date/Time:	PACE Project No. 40189429
	Relinquished By: Fed. Ex Date/Time: 6/13/19 0920	Received By: <i>[Signature]</i> Date/Time: 6/13/19 0920	
Transmit Prelim Rush Results by (complete what you want):	Relinquished By: Date/Time:	Received By: Date/Time:	Sample Receipt pH
Email #1:	Relinquished By: Date/Time:	Received By: Date/Time:	OK / Adjusted
Email #2:	Relinquished By: Date/Time:	Received By: Date/Time:	Cooler Custody Seal
Telephone:	Relinquished By: Date/Time:	Received By: Date/Time:	Present / Not Present
Fax:	Relinquished By: Date/Time:	Received By: Date/Time:	Intact / Not Intact

Sample Preservation Receipt Form

Pace Analytical Services, LLC
1241 Bellevue Street, Suite 505
Green Bay, WI 54306

Client Name: Gannett Fleming

Project # 40189429

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

Initial when completed:

Date/Time:

Page 69

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	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3B	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	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																	3																		2.5 / 5 / 10
017																	3																		2.5 / 5 / 10
018																	3																		2.5 / 5 / 10
019																	3																		2.5 / 5 / 10
020																	3																		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	DG9A 40 mL amber ascorbic	JGFU 4 oz amber jar unpres
AG1H 1 liter amber glass HCL	BP2N 500 mL plastic HNO3	DG9T 40 mL amber Na Thio	WGFU 4 oz clear jar unpres
AG4S 125 mL amber glass H2SO4	BP2Z 500 mL plastic NaOH, Znact	VG9U 40 mL clear vial unpres	WPFU 4 oz plastic jar unpres
AG4U 120 mL amber glass unpres	BP3U 250 mL plastic unpres	VG9H 40 mL clear vial HCL	
AG5U 100 mL amber glass unpres	BP3B 250 mL plastic NaOH	VG9M 40 mL clear vial MeOH	SP5T 120 mL plastic Na Thiosulfate
AG2S 500 mL amber glass H2SO4	BP3N 250 mL plastic HNO3	VG9D 40 mL clear vial DI	ZPLC ziploc bag
BG3U 250 mL clear glass unpres	BP3S 250 mL plastic H2SO4		GN:

 1241 Bellevue Street, Green Bay, WI 54302	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: 25Apr2018
	Document No.: F-GB-C-031-Rev.07	Issuing Authority: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Client Name: Gannett Fleming Project #:
WO# : 40189429

 40189429

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

Tracking #: 07878 2389 5841 @ 8146 9026 7340

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: Wet Blue Dry None Samples on ice, cooling process has begun
 Cooler Temperature Uncorr: RSL /Corr: _____

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.

Person examining contents:
 Date: 6/13/19
 Initials: PS

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. <u>Rec'd 001,004 from cooler @ 6/13/19</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		<u>Rec'd 1 HCL (UG9H) vial used. 6/13/19</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 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>1 UG9H vial 024 time.</u>
-Includes date/time/ID/Analysis Matrix: <u>W</u>		<u>6/13/19</u>
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): _____		

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: AL for DM Date: 6/13/19

June 17, 2019

Project #34283.000
NPI Q2 GW
Reviewed by CCW
6/17/19

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

RE: Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40189411

Dear Clifford Wright:

Enclosed are the analytical results for sample(s) received by the laboratory on June 13, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

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

CERTIFICATIONS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189411

Green Bay Certification IDs

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

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

SAMPLE SUMMARY

Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40189411

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40189411001	MW-23A	Water	06/12/19 10:05	06/13/19 09:20
40189411002	MW-23A DUP	Water	06/12/19 10:05	06/13/19 09:20
40189411003	MW-35A	Water	06/12/19 09:00	06/13/19 09:20
40189411004	MW-35B	Water	06/12/19 08:55	06/13/19 09:20
40189411005	MW-38A	Water	06/12/19 09:30	06/13/19 09:20
40189411006	MW-38B	Water	06/12/19 11:00	06/13/19 09:20
40189411007	MW-38C	Water	06/12/19 09:35	06/13/19 09:20
40189411008	MW-65B	Water	06/12/19 10:55	06/13/19 09:20
40189411009	MW-65C	Water	06/12/19 10:50	06/13/19 09:20
40189411010	RW-2A	Water	06/12/19 10:25	06/13/19 09:20
40189411011	RW-2B	Water	06/12/19 10:30	06/13/19 09:20
40189411012	RW-2B DUP	Water	06/12/19 10:30	06/13/19 09:20
40189411013	RW-2C	Water	06/12/19 10:20	06/13/19 09:20
40189411014	RW-15	Water	06/12/19 09:45	06/13/19 09:20
40189411015	WW-15	Water	06/12/19 09:10	06/13/19 09:20
40189411016	EW-6	Water	06/12/19 08:20	06/13/19 09:20
40189411017	EW-6 DUP	Water	06/12/19 08:20	06/13/19 09:20
40189411018	MH-18	Water	06/12/19 08:30	06/13/19 09:20
40189411019	TRIP BLANK	Water	06/12/19 00:00	06/13/19 09:20
40189411020	MW-23B	Water	06/12/19 10:10	06/13/19 09:20

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40189411

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40189411001	MW-23A	EPA 8260	LAP	8	PASI-G
40189411002	MW-23A DUP	EPA 8260	LAP	8	PASI-G
40189411003	MW-35A	EPA 8260	LAP	8	PASI-G
40189411004	MW-35B	EPA 8260	LAP	8	PASI-G
40189411005	MW-38A	EPA 8260	LAP	8	PASI-G
40189411006	MW-38B	EPA 8260	LAP	8	PASI-G
40189411007	MW-38C	EPA 8260	LAP	8	PASI-G
40189411008	MW-65B	EPA 8260	LAP	8	PASI-G
40189411009	MW-65C	EPA 8260	LAP	8	PASI-G
40189411010	RW-2A	EPA 8260	LAP	8	PASI-G
40189411011	RW-2B	EPA 8260	LAP	8	PASI-G
40189411012	RW-2B DUP	EPA 8260	LAP	8	PASI-G
40189411013	RW-2C	EPA 8260	LAP	8	PASI-G
40189411014	RW-15	EPA 8260	LAP	8	PASI-G
40189411015	WW-15	EPA 8260	LAP	8	PASI-G
40189411016	EW-6	EPA 8260	LAP	8	PASI-G
40189411017	EW-6 DUP	EPA 8260	LAP	8	PASI-G
40189411018	MH-18	EPA 8260	LAP	8	PASI-G
40189411019	TRIP BLANK	EPA 8260	LAP	8	PASI-G
40189411020	MW-23B	EPA 8260	LAP	8	PASI-G

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40189411

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40189411001	MW-23A					
EPA 8260	Trichloroethene	0.68J	ug/L	1.0	06/14/19 09:07	
40189411002	MW-23A DUP					
EPA 8260	Trichloroethene	0.60J	ug/L	1.0	06/14/19 09:30	
40189411003	MW-35A					
EPA 8260	1,1,1-Trichloroethane	0.37J	ug/L	1.0	06/14/19 13:55	
EPA 8260	Trichloroethene	0.97J	ug/L	1.0	06/14/19 13:55	
40189411004	MW-35B					
EPA 8260	1,1,1-Trichloroethane	0.42J	ug/L	1.0	06/14/19 14:17	
EPA 8260	Trichloroethene	0.91J	ug/L	1.0	06/14/19 14:17	
40189411005	MW-38A					
EPA 8260	1,1,1-Trichloroethane	0.26J	ug/L	1.0	06/14/19 14:39	
EPA 8260	Trichloroethene	2.0	ug/L	1.0	06/14/19 14:39	
40189411006	MW-38B					
EPA 8260	1,1,1-Trichloroethane	0.53J	ug/L	1.0	06/14/19 08:45	
EPA 8260	Trichloroethene	3.2	ug/L	1.0	06/14/19 08:45	
40189411007	MW-38C					
EPA 8260	Trichloroethene	1.7	ug/L	1.0	06/17/19 08:10	
40189411009	MW-65C					
EPA 8260	Trichloroethene	0.65J	ug/L	1.0	06/14/19 10:14	
40189411010	RW-2A					
EPA 8260	Trichloroethene	1.1	ug/L	1.0	06/14/19 10:36	
40189411011	RW-2B					
EPA 8260	1,1,1-Trichloroethane	0.40J	ug/L	1.0	06/14/19 10:58	
EPA 8260	Trichloroethene	2.0	ug/L	1.0	06/14/19 10:58	
40189411012	RW-2B DUP					
EPA 8260	1,1,1-Trichloroethane	0.42J	ug/L	1.0	06/14/19 11:20	
EPA 8260	Trichloroethene	2.1	ug/L	1.0	06/14/19 11:20	
40189411013	RW-2C					
EPA 8260	1,1,1-Trichloroethane	0.28J	ug/L	1.0	06/14/19 11:42	
EPA 8260	Trichloroethene	1.6	ug/L	1.0	06/14/19 11:42	
40189411014	RW-15					
EPA 8260	1,1,1-Trichloroethane	0.38J	ug/L	1.0	06/14/19 12:05	
EPA 8260	Trichloroethene	3.2	ug/L	1.0	06/14/19 12:05	
40189411015	WW-15					
EPA 8260	Trichloroethene	0.65J	ug/L	1.0	06/17/19 08:32	
40189411016	EW-6					
EPA 8260	1,1,1-Trichloroethane	1.0	ug/L	1.0	06/14/19 12:27	
EPA 8260	Trichloroethene	0.67J	ug/L	1.0	06/14/19 12:27	

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189411

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40189411017	EW-6 DUP					
EPA 8260	1,1,1-Trichloroethane	0.98J	ug/L	1.0	06/14/19 12:49	
EPA 8260	Trichloroethene	0.75J	ug/L	1.0	06/14/19 12:49	
40189411018	MH-18					
EPA 8260	1,1,1-Trichloroethane	0.72J	ug/L	1.0	06/14/19 13:11	
EPA 8260	Trichloroethene	0.60J	ug/L	1.0	06/14/19 13:11	
40189411020	MW-23B					
EPA 8260	1,1,1-Trichloroethane	0.34J	ug/L	1.0	06/14/19 13:33	
EPA 8260	Trichloroethene	1.9	ug/L	1.0	06/14/19 13:33	

REPORT OF LABORATORY ANALYSIS

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

PROJECT NARRATIVE

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189411

Method: EPA 8260

Description: 8260 MSV

Client: Gannett Fleming Inc.

Date: June 17, 2019

General Information:

20 samples were analyzed for EPA 8260. 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

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189411

Sample: MW-23A **Lab ID: 40189411001** Collected: 06/12/19 10:05 Received: 06/13/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		06/14/19 09:07	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/14/19 09:07	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/14/19 09:07	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/14/19 09:07	127-18-4	
Trichloroethene	0.68J	ug/L	1.0	0.26	1		06/14/19 09:07	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	83	%	70-130		1		06/14/19 09:07	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		06/14/19 09:07	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		06/14/19 09:07	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189411

Sample: MW-23A DUP **Lab ID: 40189411002** Collected: 06/12/19 10:05 Received: 06/13/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		06/14/19 09:30	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/14/19 09:30	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/14/19 09:30	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/14/19 09:30	127-18-4	
Trichloroethene	0.60J	ug/L	1.0	0.26	1		06/14/19 09:30	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	70-130		1		06/14/19 09:30	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		06/14/19 09:30	1868-53-7	
Toluene-d8 (S)	104	%	70-130		1		06/14/19 09:30	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189411

Sample: MW-35A **Lab ID: 40189411003** Collected: 06/12/19 09:00 Received: 06/13/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	0.37J	ug/L	1.0	0.24	1		06/14/19 13:55	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/14/19 13:55	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/14/19 13:55	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/14/19 13:55	127-18-4	
Trichloroethene	0.97J	ug/L	1.0	0.26	1		06/14/19 13:55	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	82	%	70-130		1		06/14/19 13:55	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		06/14/19 13:55	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		06/14/19 13:55	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189411

Sample: MW-35B **Lab ID: 40189411004** Collected: 06/12/19 08:55 Received: 06/13/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	0.42J	ug/L	1.0	0.24	1		06/14/19 14:17	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/14/19 14:17	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/14/19 14:17	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/14/19 14:17	127-18-4	
Trichloroethene	0.91J	ug/L	1.0	0.26	1		06/14/19 14:17	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	81	%	70-130		1		06/14/19 14:17	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		06/14/19 14:17	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		06/14/19 14:17	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189411

Sample: MW-38A **Lab ID: 40189411005** Collected: 06/12/19 09:30 Received: 06/13/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	0.26J	ug/L	1.0	0.24	1		06/14/19 14:39	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/14/19 14:39	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/14/19 14:39	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/14/19 14:39	127-18-4	
Trichloroethene	2.0	ug/L	1.0	0.26	1		06/14/19 14:39	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	83	%	70-130		1		06/14/19 14:39	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		06/14/19 14:39	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		06/14/19 14:39	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189411

Sample: MW-38B **Lab ID: 40189411006** Collected: 06/12/19 11:00 Received: 06/13/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	0.53J	ug/L	1.0	0.24	1		06/14/19 08:45	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/14/19 08:45	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/14/19 08:45	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/14/19 08:45	127-18-4	
Trichloroethene	3.2	ug/L	1.0	0.26	1		06/14/19 08:45	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	88	%	70-130		1		06/14/19 08:45	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		06/14/19 08:45	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		06/14/19 08:45	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189411

Sample: MW-38C **Lab ID: 40189411007** Collected: 06/12/19 09:35 Received: 06/13/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		06/17/19 08:10	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/17/19 08:10	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/17/19 08:10	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/17/19 08:10	127-18-4	
Trichloroethene	1.7	ug/L	1.0	0.26	1		06/17/19 08:10	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	85	%	70-130		1		06/17/19 08:10	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		06/17/19 08:10	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		06/17/19 08:10	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189411

Sample: MW-65B **Lab ID: 40189411008** Collected: 06/12/19 10:55 Received: 06/13/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		06/14/19 09:52	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/14/19 09:52	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/14/19 09:52	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/14/19 09:52	127-18-4	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		06/14/19 09:52	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	70-130		1		06/14/19 09:52	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		06/14/19 09:52	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		06/14/19 09:52	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189411

Sample: MW-65C **Lab ID: 40189411009** Collected: 06/12/19 10:50 Received: 06/13/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		06/14/19 10:14	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/14/19 10:14	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/14/19 10:14	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/14/19 10:14	127-18-4	
Trichloroethene	0.65J	ug/L	1.0	0.26	1		06/14/19 10:14	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	70-130		1		06/14/19 10:14	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		06/14/19 10:14	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		06/14/19 10:14	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189411

Sample: RW-2A **Lab ID: 40189411010** Collected: 06/12/19 10:25 Received: 06/13/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		06/14/19 10:36	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/14/19 10:36	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/14/19 10:36	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/14/19 10:36	127-18-4	
Trichloroethene	1.1	ug/L	1.0	0.26	1		06/14/19 10:36	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	70-130		1		06/14/19 10:36	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		06/14/19 10:36	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		06/14/19 10:36	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189411

Sample: RW-2B **Lab ID: 40189411011** Collected: 06/12/19 10:30 Received: 06/13/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	0.40J	ug/L	1.0	0.24	1		06/14/19 10:58	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/14/19 10:58	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/14/19 10:58	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/14/19 10:58	127-18-4	
Trichloroethene	2.0	ug/L	1.0	0.26	1		06/14/19 10:58	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	85	%	70-130		1		06/14/19 10:58	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		06/14/19 10:58	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		06/14/19 10:58	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189411

Sample: RW-2B DUP **Lab ID: 40189411012** Collected: 06/12/19 10:30 Received: 06/13/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	0.42J	ug/L	1.0	0.24	1		06/14/19 11:20	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/14/19 11:20	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/14/19 11:20	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/14/19 11:20	127-18-4	
Trichloroethene	2.1	ug/L	1.0	0.26	1		06/14/19 11:20	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	85	%	70-130		1		06/14/19 11:20	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		06/14/19 11:20	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		06/14/19 11:20	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189411

Sample: RW-2C **Lab ID: 40189411013** Collected: 06/12/19 10:20 Received: 06/13/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	0.28J	ug/L	1.0	0.24	1		06/14/19 11:42	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/14/19 11:42	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/14/19 11:42	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/14/19 11:42	127-18-4	
Trichloroethene	1.6	ug/L	1.0	0.26	1		06/14/19 11:42	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	82	%	70-130		1		06/14/19 11:42	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		06/14/19 11:42	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		06/14/19 11:42	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189411

Sample: RW-15 **Lab ID: 40189411014** Collected: 06/12/19 09:45 Received: 06/13/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	0.38J	ug/L	1.0	0.24	1		06/14/19 12:05	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/14/19 12:05	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/14/19 12:05	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/14/19 12:05	127-18-4	
Trichloroethene	3.2	ug/L	1.0	0.26	1		06/14/19 12:05	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	83	%	70-130		1		06/14/19 12:05	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		06/14/19 12:05	1868-53-7	
Toluene-d8 (S)	104	%	70-130		1		06/14/19 12:05	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189411

Sample: WW-15 **Lab ID: 40189411015** Collected: 06/12/19 09:10 Received: 06/13/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		06/17/19 08:32	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/17/19 08:32	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/17/19 08:32	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/17/19 08:32	127-18-4	
Trichloroethene	0.65J	ug/L	1.0	0.26	1		06/17/19 08:32	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	70-130		1		06/17/19 08:32	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		06/17/19 08:32	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		06/17/19 08:32	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189411

Sample: EW-6 **Lab ID: 40189411016** Collected: 06/12/19 08:20 Received: 06/13/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	1.0	ug/L	1.0	0.24	1		06/14/19 12:27	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/14/19 12:27	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/14/19 12:27	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/14/19 12:27	127-18-4	
Trichloroethene	0.67J	ug/L	1.0	0.26	1		06/14/19 12:27	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	85	%	70-130		1		06/14/19 12:27	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		06/14/19 12:27	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		06/14/19 12:27	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189411

Sample: EW-6 DUP **Lab ID: 40189411017** Collected: 06/12/19 08:20 Received: 06/13/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	0.98J	ug/L	1.0	0.24	1		06/14/19 12:49	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/14/19 12:49	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/14/19 12:49	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/14/19 12:49	127-18-4	
Trichloroethene	0.75J	ug/L	1.0	0.26	1		06/14/19 12:49	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	82	%	70-130		1		06/14/19 12:49	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		06/14/19 12:49	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		06/14/19 12:49	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189411

Sample: MH-18 **Lab ID: 40189411018** Collected: 06/12/19 08:30 Received: 06/13/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	0.72J	ug/L	1.0	0.24	1		06/14/19 13:11	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/14/19 13:11	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/14/19 13:11	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/14/19 13:11	127-18-4	
Trichloroethene	0.60J	ug/L	1.0	0.26	1		06/14/19 13:11	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	79	%	70-130		1		06/14/19 13:11	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		06/14/19 13:11	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		06/14/19 13:11	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189411

Sample: TRIP BLANK **Lab ID: 40189411019** Collected: 06/12/19 00:00 Received: 06/13/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		06/14/19 08:23	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/14/19 08:23	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/14/19 08:23	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/14/19 08:23	127-18-4	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		06/14/19 08:23	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	70-130		1		06/14/19 08:23	460-00-4	HS
Dibromofluoromethane (S)	103	%	70-130		1		06/14/19 08:23	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		06/14/19 08:23	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189411

Sample: MW-23B **Lab ID: 40189411020** Collected: 06/12/19 10:10 Received: 06/13/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	0.34J	ug/L	1.0	0.24	1		06/14/19 13:33	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/14/19 13:33	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/14/19 13:33	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/14/19 13:33	127-18-4	
Trichloroethene	1.9	ug/L	1.0	0.26	1		06/14/19 13:33	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	84	%	70-130		1		06/14/19 13:33	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		06/14/19 13:33	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		06/14/19 13:33	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40189411

QC Batch: 324442 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40189411001, 40189411002, 40189411003, 40189411004, 40189411005, 40189411006, 40189411007, 40189411008, 40189411009, 40189411010, 40189411011, 40189411012, 40189411013, 40189411014, 40189411015, 40189411016, 40189411017, 40189411018, 40189411019, 40189411020

METHOD BLANK: 1883674 Matrix: Water
Associated Lab Samples: 40189411001, 40189411002, 40189411003, 40189411004, 40189411005, 40189411006, 40189411007, 40189411008, 40189411009, 40189411010, 40189411011, 40189411012, 40189411013, 40189411014, 40189411015, 40189411016, 40189411017, 40189411018, 40189411019, 40189411020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.24	1.0	06/14/19 06:55	
1,1-Dichloroethane	ug/L	<0.27	1.0	06/14/19 06:55	
1,1-Dichloroethene	ug/L	<0.24	1.0	06/14/19 06:55	
Tetrachloroethene	ug/L	<0.33	1.1	06/14/19 06:55	
Trichloroethene	ug/L	<0.26	1.0	06/14/19 06:55	
4-Bromofluorobenzene (S)	%	86	70-130	06/14/19 06:55	
Dibromofluoromethane (S)	%	100	70-130	06/14/19 06:55	
Toluene-d8 (S)	%	101	70-130	06/14/19 06:55	

LABORATORY CONTROL SAMPLE: 1883675

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	52.8	106	70-130	
1,1-Dichloroethane	ug/L	50	51.2	102	73-150	
1,1-Dichloroethene	ug/L	50	50.0	100	73-138	
Tetrachloroethene	ug/L	50	51.0	102	70-130	
Trichloroethene	ug/L	50	52.5	105	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Dibromofluoromethane (S)	%			103	70-130	
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1883676 1883677

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40189411006 Result	Spike Conc.	Spike Conc.	MS Result						
1,1,1-Trichloroethane	ug/L	0.53J	50	50	52.7	53.2	104	105	70-130	1	20
1,1-Dichloroethane	ug/L	<0.27	50	50	49.3	49.9	99	100	73-153	1	20
1,1-Dichloroethene	ug/L	<0.24	50	50	48.0	48.4	96	97	73-138	1	20
Tetrachloroethene	ug/L	<0.33	50	50	50.4	52.2	100	104	70-130	4	20
Trichloroethene	ug/L	3.2	50	50	54.6	56.7	103	107	70-130	4	20
4-Bromofluorobenzene (S)	%						100	104	70-130		
Dibromofluoromethane (S)	%						100	101	70-130		
Toluene-d8 (S)	%						98	102	70-130		

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

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189411

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.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

ANALYTE QUALIFIERS

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189411

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40189411001	MW-23A	EPA 8260	324442		
40189411002	MW-23A DUP	EPA 8260	324442		
40189411003	MW-35A	EPA 8260	324442		
40189411004	MW-35B	EPA 8260	324442		
40189411005	MW-38A	EPA 8260	324442		
40189411006	MW-38B	EPA 8260	324442		
40189411007	MW-38C	EPA 8260	324442		
40189411008	MW-65B	EPA 8260	324442		
40189411009	MW-65C	EPA 8260	324442		
40189411010	RW-2A	EPA 8260	324442		
40189411011	RW-2B	EPA 8260	324442		
40189411012	RW-2B DUP	EPA 8260	324442		
40189411013	RW-2C	EPA 8260	324442		
40189411014	RW-15	EPA 8260	324442		
40189411015	WW-15	EPA 8260	324442		
40189411016	EW-6	EPA 8260	324442		
40189411017	EW-6 DUP	EPA 8260	324442		
40189411018	MH-18	EPA 8260	324442		
40189411019	TRIP BLANK	EPA 8260	324442		
40189411020	MW-23B	EPA 8260	324442		

REPORT OF LABORATORY ANALYSIS

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

(Please Print Clearly)

Company Name: Gannett Fleming, Inc.
Branch/Location: Madison, WI
Project Contact: Cliff Wright
Phone: 608/836-1500 x6722
Project Number: 34283.000
Project Name: National Presto Industries (NPI)
Project State: WI
Sampled By (Print): Brett Seidlitz
Sampled By (Sign): *[Signature]*
PO #:
Regulatory Program:



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

Page 1 of 2
 COC No. 40189411
 Page 31 of 32

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

Quote #: Pace 2019
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

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

MS/MSD (billable)
 On your sample
 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	Analyses Requested	NPI Short-list VOCs	Dissolved cadmium												
		DATE	TIME																
001	MW-23A	6/12/19	10:05	GW		3													
002	MW-23A dup		"			1													
003	MW-35A		9:00																
004	MW-35B		8:55																
005	MW-38A		9:30			↓													
006	MW-38B		11:00			5													
007	MW-38C		9:35			3													
008	MW-65B		10:55			↓													
009	MW-65C		10:50			↓													
010	RW-2A		10:25			↓													
011	RW-2B		10:30			↓													
012	RW-2B dup		"			2													
013	RW-2C	↓	10:20	↓		3													

CLIENT COMMENTS
 MS, MSD


LAB COMMENTS (Lab Use Only)
 JU

Profile #

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge) Date Needed:	Relinquished By: <i>[Signature]</i>	Date/Time: 6/12/19 17:00	Received By:	Date/Time:	PACE Project No. 40189411
	Relinquished By: Fed Ex	Date/Time: 6/13/19 0920	Received By: <i>[Signature]</i>	Date/Time: 6/13/19 0920	
Transmit Prelim Rush Results by (complete what you want):	Relinquished By:	Date/Time:	Received By:	Date/Time:	Sample Receipt pH OK / Adjusted
Email #1:	Relinquished By:	Date/Time:	Received By:	Date/Time:	Cooler Custody Seal Present / (Not Present)
Email #2:	Relinquished By:	Date/Time:	Received By:	Date/Time:	Intact / Not Intact
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:	

 1241 Bellevue Street, Green Bay, WI 54302	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: 25Apr2018
	Document No.: F-GB-C-031-Rev.07	Issuing Authority: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Client Name: Gannett Fleming Project #:
WO#: 40189411

 40189411

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

Tracking #: 7878 4632 4890 / ~~2384-5841~~ 6/13/19

Custody Seal on Cooler/Box Present: ~~7~~ yes no Seals intact: ~~7~~ 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: Wet Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature Uncorr: R01 Corr: _____

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

Person examining contents:
 Date: 6/13/19
 Initials: JB

Temp should be above freezing to 6°C.
 Biota Samples may be received at ≤ 0°C.

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.
-Includes date/time/ID/Analysis Matrix: <u>41</u>		<u>005/007, V69H vial, no label placed by bagging</u> <u>6/13/19 JB</u>
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): _____		

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: AL or DM Date: 6/13/19

June 24, 2019

Project #34283.000
NPI Q2 ECMWF
Reviewed by CCW
6/24/19

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

RE: Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40189310

Dear Clifford Wright:

Enclosed are the analytical results for sample(s) received by the laboratory on June 12, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

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

CERTIFICATIONS

Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40189310

Minnesota Certification IDs

1700 Elm Street SE, Minneapolis, MN 55414-2485

A2LA Certification #: 2926.01

Alabama Certification #: 40770

Alaska Contaminated Sites Certification #: 17-009

Alaska DW Certification #: MN00064

Arizona Certification #: AZ0014

Arkansas DW Certification #: MN00064

Arkansas WW Certification #: 88-0680

California Certification #: 2929

CNMI Saipan Certification #: MP0003

Colorado Certification #: MN00064

Connecticut Certification #: PH-0256

EPA Region 8+Wyoming DW Certification #: via MN 027-053-137

Florida Certification #: E87605

Georgia Certification #: 959

Guam EPA Certification #: MN00064

Hawaii Certification #: MN00064

Idaho Certification #: MN00064

Illinois Certification #: 200011

Indiana Certification #: C-MN-01

Iowa Certification #: 368

Kansas Certification #: E-10167

Kentucky DW Certification #: 90062

Kentucky WW Certification #: 90062

Louisiana DEQ Certification #: 03086

Louisiana DW Certification #: MN00064

Maine Certification #: MN00064

Maryland Certification #: 322

Massachusetts Certification #: M-MN064

Michigan Certification #: 9909

Minnesota Certification #: 027-053-137

Minnesota Dept of Ag Certification #: via MN 027-053-137

Minnesota Petrofund Certification #: 1240

Mississippi Certification #: MN00064

Missouri Certification #: 10100

Montana Certification #: CERT0092

Nebraska Certification #: NE-OS-18-06

Nevada Certification #: MN00064

New Hampshire Certification #: 2081

New Jersey Certification #: MN002

New York Certification #: 11647

North Carolina DW Certification #: 27700

North Carolina WW Certification #: 530

North Dakota Certification #: R-036

Ohio DW Certification #: 41244

Ohio VAP Certification #: CL101

Oklahoma Certification #: 9507

Oregon Primary Certification #: MN300001

Oregon Secondary Certification #: MN200001

Pennsylvania Certification #: 68-00563

Puerto Rico Certification #: MN00064

South Carolina Certification #:74003001

Tennessee Certification #: TN02818

Texas Certification #: T104704192

Utah Certification #: MN00064

Vermont Certification #: VT-027053137

Virginia Certification #: 460163

Washington Certification #: C486

West Virginia DEP Certification #: 382

West Virginia DW Certification #: 9952 C

Wisconsin Certification #: 999407970

Wyoming UST Certification #: via A2LA 2926.01

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189310

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40189310001	CW-15	Water	06/11/19 08:08	06/12/19 09:25
40189310002	CW-19	Water	06/11/19 08:13	06/12/19 09:25
40189310003	CW-22	Water	06/11/19 08:24	06/12/19 09:25
40189310004	CW-23	Water	06/11/19 08:18	06/12/19 09:25
40189310005	RAW	Water	06/11/19 08:02	06/12/19 09:25
40189310006	TOWER A	Water	06/11/19 08:00	06/12/19 09:25
40189310007	TOWER B	Water	06/11/19 07:59	06/12/19 09:25
40189310008	FINISHED PRODUCT	Water	06/11/19 07:50	06/12/19 09:25
40189310009	TRIP BLANK	Water	06/11/19 00:00	06/12/19 09:25

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189310

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40189310001	CW-15	EPA 524.2	DS2	8	PASI-M
40189310002	CW-19	EPA 524.2	DS2	8	PASI-M
40189310003	CW-22	EPA 524.2	DS2	8	PASI-M
40189310004	CW-23	EPA 524.2	DS2	8	PASI-M
40189310005	RAW	EPA 524.2	DS2	8	PASI-M
40189310006	TOWER A	EPA 524.2	DS2	8	PASI-M
40189310007	TOWER B	EPA 524.2	DS2	8	PASI-M
40189310008	FINISHED PRODUCT	EPA 524.2	DS2	8	PASI-M
40189310009	TRIP BLANK	EPA 524.2	DS2	8	PASI-M

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189310

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40189310002	CW-19					
EPA 524.2	Trichloroethene	0.34J	ug/L	0.39	06/21/19 14:36	
40189310003	CW-22					
EPA 524.2	Trichloroethene	1.7	ug/L	0.39	06/21/19 15:00	
40189310005	RAW					
EPA 524.2	Trichloroethene	0.80	ug/L	0.39	06/21/19 15:47	

REPORT OF LABORATORY ANALYSIS

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

PROJECT NARRATIVE

Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40189310

Method: EPA 524.2
Description: 524.2 MSV
Client: Gannett Fleming Inc.
Date: June 24, 2019

General Information:

9 samples were analyzed for EPA 524.2. 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

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189310

Sample: CW-15 **Lab ID: 40189310001** Collected: 06/11/19 08:08 Received: 06/12/19 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2							
1,1-Dichloroethane	<0.16	ug/L	0.55	0.16	1		06/21/19 14:12	75-34-3	
1,1-Dichloroethene	<0.19	ug/L	0.62	0.19	1		06/21/19 14:12	75-35-4	
Tetrachloroethene	<0.17	ug/L	0.56	0.17	1		06/21/19 14:12	127-18-4	
1,1,1-Trichloroethane	<0.19	ug/L	0.62	0.19	1		06/21/19 14:12	71-55-6	
Trichloroethene	<0.12	ug/L	0.39	0.12	1		06/21/19 14:12	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	75-125		1		06/21/19 14:12	460-00-4	
Toluene-d8 (S)	100	%	75-125		1		06/21/19 14:12	2037-26-5	
1,2-Dichloroethane-d4 (S)	96	%	75-125		1		06/21/19 14:12	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189310

Sample: CW-19 **Lab ID: 40189310002** Collected: 06/11/19 08:13 Received: 06/12/19 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2							
1,1-Dichloroethane	<0.16	ug/L	0.55	0.16	1		06/21/19 14:36	75-34-3	
1,1-Dichloroethene	<0.19	ug/L	0.62	0.19	1		06/21/19 14:36	75-35-4	
Tetrachloroethene	<0.17	ug/L	0.56	0.17	1		06/21/19 14:36	127-18-4	
1,1,1-Trichloroethane	<0.19	ug/L	0.62	0.19	1		06/21/19 14:36	71-55-6	
Trichloroethene	0.34J	ug/L	0.39	0.12	1		06/21/19 14:36	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	75-125		1		06/21/19 14:36	460-00-4	
Toluene-d8 (S)	99	%	75-125		1		06/21/19 14:36	2037-26-5	
1,2-Dichloroethane-d4 (S)	91	%	75-125		1		06/21/19 14:36	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189310

Sample: CW-22 **Lab ID: 40189310003** Collected: 06/11/19 08:24 Received: 06/12/19 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2							
1,1-Dichloroethane	<0.16	ug/L	0.55	0.16	1		06/21/19 15:00	75-34-3	
1,1-Dichloroethene	<0.19	ug/L	0.62	0.19	1		06/21/19 15:00	75-35-4	
Tetrachloroethene	<0.17	ug/L	0.56	0.17	1		06/21/19 15:00	127-18-4	
1,1,1-Trichloroethane	<0.19	ug/L	0.62	0.19	1		06/21/19 15:00	71-55-6	
Trichloroethene	1.7	ug/L	0.39	0.12	1		06/21/19 15:00	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	75-125		1		06/21/19 15:00	460-00-4	
Toluene-d8 (S)	98	%	75-125		1		06/21/19 15:00	2037-26-5	
1,2-Dichloroethane-d4 (S)	96	%	75-125		1		06/21/19 15:00	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189310

Sample: CW-23 **Lab ID: 40189310004** Collected: 06/11/19 08:18 Received: 06/12/19 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2							
1,1-Dichloroethane	<0.16	ug/L	0.55	0.16	1		06/21/19 15:23	75-34-3	
1,1-Dichloroethene	<0.19	ug/L	0.62	0.19	1		06/21/19 15:23	75-35-4	
Tetrachloroethene	<0.17	ug/L	0.56	0.17	1		06/21/19 15:23	127-18-4	
1,1,1-Trichloroethane	<0.19	ug/L	0.62	0.19	1		06/21/19 15:23	71-55-6	
Trichloroethene	<0.12	ug/L	0.39	0.12	1		06/21/19 15:23	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	75-125		1		06/21/19 15:23	460-00-4	
Toluene-d8 (S)	99	%	75-125		1		06/21/19 15:23	2037-26-5	
1,2-Dichloroethane-d4 (S)	95	%	75-125		1		06/21/19 15:23	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189310

Sample: RAW **Lab ID: 40189310005** Collected: 06/11/19 08:02 Received: 06/12/19 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2							
1,1-Dichloroethane	<0.16	ug/L	0.55	0.16	1		06/21/19 15:47	75-34-3	
1,1-Dichloroethene	<0.19	ug/L	0.62	0.19	1		06/21/19 15:47	75-35-4	
Tetrachloroethene	<0.17	ug/L	0.56	0.17	1		06/21/19 15:47	127-18-4	
1,1,1-Trichloroethane	<0.19	ug/L	0.62	0.19	1		06/21/19 15:47	71-55-6	
Trichloroethene	0.80	ug/L	0.39	0.12	1		06/21/19 15:47	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	75-125		1		06/21/19 15:47	460-00-4	
Toluene-d8 (S)	99	%	75-125		1		06/21/19 15:47	2037-26-5	
1,2-Dichloroethane-d4 (S)	96	%	75-125		1		06/21/19 15:47	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189310

Sample: TOWER A **Lab ID: 40189310006** Collected: 06/11/19 08:00 Received: 06/12/19 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2							
1,1-Dichloroethane	<0.16	ug/L	0.55	0.16	1		06/21/19 16:11	75-34-3	
1,1-Dichloroethene	<0.19	ug/L	0.62	0.19	1		06/21/19 16:11	75-35-4	
Tetrachloroethene	<0.17	ug/L	0.56	0.17	1		06/21/19 16:11	127-18-4	
1,1,1-Trichloroethane	<0.19	ug/L	0.62	0.19	1		06/21/19 16:11	71-55-6	
Trichloroethene	<0.12	ug/L	0.39	0.12	1		06/21/19 16:11	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	75-125		1		06/21/19 16:11	460-00-4	
Toluene-d8 (S)	98	%	75-125		1		06/21/19 16:11	2037-26-5	
1,2-Dichloroethane-d4 (S)	94	%	75-125		1		06/21/19 16:11	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189310

Sample: TOWER B **Lab ID: 40189310007** Collected: 06/11/19 07:59 Received: 06/12/19 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2							
1,1-Dichloroethane	<0.16	ug/L	0.55	0.16	1		06/21/19 16:34	75-34-3	
1,1-Dichloroethene	<0.19	ug/L	0.62	0.19	1		06/21/19 16:34	75-35-4	
Tetrachloroethene	<0.17	ug/L	0.56	0.17	1		06/21/19 16:34	127-18-4	
1,1,1-Trichloroethane	<0.19	ug/L	0.62	0.19	1		06/21/19 16:34	71-55-6	
Trichloroethene	<0.12	ug/L	0.39	0.12	1		06/21/19 16:34	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	75-125		1		06/21/19 16:34	460-00-4	
Toluene-d8 (S)	100	%	75-125		1		06/21/19 16:34	2037-26-5	
1,2-Dichloroethane-d4 (S)	92	%	75-125		1		06/21/19 16:34	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189310

Sample: FINISHED PRODUCT **Lab ID: 40189310008** Collected: 06/11/19 07:50 Received: 06/12/19 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2							
1,1-Dichloroethane	<0.16	ug/L	0.55	0.16	1		06/21/19 16:58	75-34-3	
1,1-Dichloroethene	<0.19	ug/L	0.62	0.19	1		06/21/19 16:58	75-35-4	
Tetrachloroethene	<0.17	ug/L	0.56	0.17	1		06/21/19 16:58	127-18-4	
1,1,1-Trichloroethane	<0.19	ug/L	0.62	0.19	1		06/21/19 16:58	71-55-6	
Trichloroethene	<0.12	ug/L	0.39	0.12	1		06/21/19 16:58	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	75-125		1		06/21/19 16:58	460-00-4	
Toluene-d8 (S)	99	%	75-125		1		06/21/19 16:58	2037-26-5	
1,2-Dichloroethane-d4 (S)	99	%	75-125		1		06/21/19 16:58	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189310

Sample: TRIP BLANK **Lab ID: 40189310009** Collected: 06/11/19 00:00 Received: 06/12/19 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2							
1,1-Dichloroethane	<0.16	ug/L	0.55	0.16	1		06/21/19 13:49	75-34-3	
1,1-Dichloroethene	<0.19	ug/L	0.62	0.19	1		06/21/19 13:49	75-35-4	
Tetrachloroethene	<0.17	ug/L	0.56	0.17	1		06/21/19 13:49	127-18-4	
1,1,1-Trichloroethane	<0.19	ug/L	0.62	0.19	1		06/21/19 13:49	71-55-6	
Trichloroethene	<0.12	ug/L	0.39	0.12	1		06/21/19 13:49	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	75-125		1		06/21/19 13:49	460-00-4	HS
Toluene-d8 (S)	99	%	75-125		1		06/21/19 13:49	2037-26-5	
1,2-Dichloroethane-d4 (S)	96	%	75-125		1		06/21/19 13:49	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40189310

QC Batch: 614657 Analysis Method: EPA 524.2
QC Batch Method: EPA 524.2 Analysis Description: 524.2 MSV
Associated Lab Samples: 40189310001, 40189310002, 40189310003, 40189310004, 40189310005, 40189310006, 40189310007, 40189310008, 40189310009

METHOD BLANK: 3320564 Matrix: Water
Associated Lab Samples: 40189310001, 40189310002, 40189310003, 40189310004, 40189310005, 40189310006, 40189310007, 40189310008, 40189310009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.19	0.62	06/21/19 12:14	
1,1-Dichloroethane	ug/L	<0.16	0.55	06/21/19 12:14	
1,1-Dichloroethene	ug/L	<0.19	0.62	06/21/19 12:14	MN
Tetrachloroethene	ug/L	<0.17	0.56	06/21/19 12:14	
Trichloroethene	ug/L	<0.12	0.39	06/21/19 12:14	
1,2-Dichloroethane-d4 (S)	%	92	75-125	06/21/19 12:14	
4-Bromofluorobenzene (S)	%	98	75-125	06/21/19 12:14	
Toluene-d8 (S)	%	98	75-125	06/21/19 12:14	

LABORATORY CONTROL SAMPLE: 3320565

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	19.7	98	70-130	
1,1-Dichloroethane	ug/L	20	18.1	90	70-130	
1,1-Dichloroethene	ug/L	20	16.7	84	70-130	
Tetrachloroethene	ug/L	20	17.2	86	70-130	
Trichloroethene	ug/L	20	19.4	97	70-130	
1,2-Dichloroethane-d4 (S)	%			100	75-125	
4-Bromofluorobenzene (S)	%			97	75-125	
Toluene-d8 (S)	%			96	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3320566 3320567

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40189310001 Result	Spike Conc.	Spike Conc.	MS Result						
1,1,1-Trichloroethane	ug/L	<0.19	20	20	19.3	21.3	97	106	70-130	10	20
1,1-Dichloroethane	ug/L	<0.16	20	20	18.2	19.3	91	97	70-130	6	20
1,1-Dichloroethene	ug/L	<0.19	20	20	16.8	18.3	84	92	70-130	9	20
Tetrachloroethene	ug/L	<0.17	20	20	17.8	20.9	89	104	70-130	16	20
Trichloroethene	ug/L	<0.12	20	20	20.4	22.1	102	111	70-130	8	20
1,2-Dichloroethane-d4 (S)	%						97	96	75-125		
4-Bromofluorobenzene (S)	%						98	98	75-125		
Toluene-d8 (S)	%						95	94	75-125		

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

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

QUALIFIERS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189310

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.

LABORATORIES

PASI-M Pace Analytical Services - Minneapolis

ANALYTE QUALIFIERS

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

MN The reporting limit has been raised in accordance with Minnesota Statutes 4740.2100 Subpart 8. C, D. Reporting Limit Evaluation Rule.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40189310

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40189310001	CW-15	EPA 524.2	614657		
40189310002	CW-19	EPA 524.2	614657		
40189310003	CW-22	EPA 524.2	614657		
40189310004	CW-23	EPA 524.2	614657		
40189310005	RAW	EPA 524.2	614657		
40189310006	TOWER A	EPA 524.2	614657		
40189310007	TOWER B	EPA 524.2	614657		
40189310008	FINISHED PRODUCT	EPA 524.2	614657		
40189310009	TRIP BLANK	EPA 524.2	614657		

REPORT OF LABORATORY ANALYSIS

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

(Please Print Clearly)

Company Name: Gannett Fleming, Inc.
Branch/Location: Madison, WI
Project Contact: Cliff Wright
Phone: 608/836-1500 x6722
Project Number: 34283.000
Project Name: National Presto Industries (NPI)
Project State: WI
Sampled By (Print): Brett Seidlitz
Sampled By (Sign): *[Signature]*
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
		DATE	TIME	
001	CW-15	6/11/19	8:06	DW
002	CW-19		8:13	"
003	CW-22		8:24	"
004	CW-23		8:18	"
005	Raw		8:02	"
006	Tower A		8:00	"
007	Tower B		7:59	"
008	Finished product		7:50	"
009	Trip blank			



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

COC No. **40189310**

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	N	Pick Letter	Analyses Requested
		B	NPI Short-list VOCs:524.2

Quote #: Pace 2019
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 #

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: *[Signature]* Date/Time: 6/11/19 18:00
Relinquished By: *[Signature]* Date/Time: 6/12/19 0925
Relinquished By: Date/Time:
Relinquished By: Date/Time:

Received By: Date/Time:
Received By: *[Signature]* Date/Time: 6/12/19 0925
Received By: Date/Time:
Received By: Date/Time:

PACE Project No.
Receipt Temp = *120.2* °C
Sample Receipt pH
 OK / Adjusted
Cooler Custody Seal
 Present / Not Present
 Intact / Not Intact

4089310

Order By :	Ship To :	Return To:
Company <u>Gannett Fleming Inc.</u>	Company <u>National Presto</u>	Company <u>Pace Analytical Green Bay</u>
Contact <u>Payne, Chelsea</u>	Contact <u>Brett Seidlitz</u>	Contact <u>Milewsky, Dan</u>
Email <u>cpayne@gfnet.com</u>	Email <u>cpayne@gfnet.com</u>	Email <u>dan.milewsky@pacelabs.com</u>
Address <u>8040 Excelsior Drive, Ste 303</u>	Address <u>3925 North Hastings Way</u>	Address <u>1241 Bellevue Street</u>
Address 2 _____	Address 2 _____	Address 2 <u>Suite 9</u>
City <u>Madison</u>	City <u>Eau Claire</u>	City <u>Green Bay</u>
State <u>WI</u> Zip <u>53717</u>	State <u>WI</u> Zip <u>54703</u>	State <u>WI</u> Zip <u>54302</u>
Phone <u>NONE</u>	Phone <u>(608) 286-8491</u>	Phone <u>(920)469-2436</u>

Info

Project Name 34283.000 NPI Due Date 06/07/2019 Profile x Quote _____

Project Milewsky, Dan Return _____ Carrier Most Economical Locatio _____

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

Return Shipping Labels

No Shipper

With Shipper

Misc

Sampling Instructions

Custody Seal

Temp. Blanks

Coolers 4

Syringes _____

Extra Bubble Wrap

Short Hold/Rush

DI Liter(s)

USDA Regulated Soils

COC Options

Number of Blanks 7

Pre-Printed _____

# of Samples	Matrix	Test	Container	Total	# of	Lot #	Notes
2	WT	Metals	250mL plastic w/HNO3	2	0	M-9-094-04BB	Diss Cd
87	WT	VOC 8260	3-40ml clear vial HCl-hydrochloric acid	261	0	B-9-100-01VB	
6	WT	Trip BLANK	2-40mL HCL w/custody seal	12	0	B-9-100-01VB	

Hazard Shipping Placard In Place : NA

*Sample receiving hours are Monday through Friday 8:00 am to 6:00 pm and Saturday from 9:00 am to 12:00 pm unless special arrangements are made with your 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

*Payment term are net 30 days.

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

LAB USE:

Ship Date : 06/06/2019

Prepared By: Mai Yer Her

Verified By: _____

Sample

CLIENT USE (Optional):

Date Rec'd: _____

Received By: _____

Verified By: _____

Client Name: Gannett Fleming

Sample Preservation Receipt Form

Project # 4089310

Pace Analytical Services, LLC
1241 Bellevue Street, Suite 8
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:

Page

Pace Lab #	Glass							Plastic						Vials					Jars			General			VOA Vials (>6mm) *	H2SO4 pH ≤	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤	pH after adjusted	Volume (mL)			
	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3B	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	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																	2																	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

6/12/11
A. J.

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	DG9A	40 mL amber ascorbic	JGFU	4 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP2N	500 mL plastic HNO3	DG9T	40 mL amber Na Thio	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH, Znact	VG9U	40 mL clear vial unpres	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3U	250 mL plastic unpres	VG9H	40 mL clear vial HCL		
AG5U	100 mL amber glass unpres	BP3B	250 mL plastic NaOH	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres	BP3S	250 mL plastic H2SO4			GN:	



Document Name: Sample Condition Upon Receipt (SCUR)
Document No.: F-GB-C-031-Rev.07

Document Revised: 25Apr2018
Issuing Authority: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Client Name: Gannett Fleming

Project #:

WO#: **40189310**

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

Tracking #: 8146 9026 7310

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

Cooler Temperature Uncorr: 100 / Corr: _____

Temp Blank Present: yes no

Biological Tissue is Frozen: yes no

Person examining contents:
Date: 6/12/19
Initials: _____

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C.

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 type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input 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 type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): _____		

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

Person Contacted: _____ Date/Time: _____
Comments/ Resolution: _____

Project Manager Review: AC for DM

Date: 6/12/19

September 03, 2019

Project #59431.002
NPI Q3 GW
Reviewed by CCW
9/3/19

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

RE: Project: 34283.00 NATIONAL PRESTO INDUS
Pace Project No.: 40193345

Dear Clifford Wright:

Enclosed are the analytical results for sample(s) received by the laboratory on August 20, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

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

CERTIFICATIONS

Project: 34283.00 NATIONAL PRESTO INDUS

Pace Project No.: 40193345

Green Bay Certification IDs

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

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

SAMPLE SUMMARY

Project: 34283.00 NATIONAL PRESTO INDUS

Pace Project No.: 40193345

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40193345001	EW-6	Water	08/19/19 12:55	08/20/19 09:20
40193345002	EW-6 DUP	Water	08/19/19 00:00	08/20/19 09:20
40193345003	MH-18	Water	08/19/19 13:10	08/20/19 09:20
40193345004	MW-4A	Water	08/19/19 12:20	08/20/19 09:20
40193345005	MW-10A	Water	08/19/19 10:05	08/20/19 09:20
40193345006	MW-10B	Water	08/19/19 10:10	08/20/19 09:20
40193345007	MW-34A	Water	08/19/19 10:45	08/20/19 09:20
40193345008	MW-34B	Water	08/19/19 10:40	08/20/19 09:20
40193345009	MW-68B	Water	08/19/19 11:50	08/20/19 09:20
40193345010	MW-70A	Water	08/19/19 10:15	08/20/19 09:20
40193345011	MW-70B	Water	08/19/19 10:20	08/20/19 09:20
40193345012	MW-75	Water	08/19/19 10:50	08/20/19 09:20
40193345013	MW-76A	Water	08/19/19 12:50	08/20/19 09:20
40193345014	MW-77A	Water	08/19/19 12:35	08/20/19 09:20
40193345015	MW-77B	Water	08/19/19 12:40	08/20/19 09:20
40193345016	TRIP BLANK	Water	08/19/19 00:00	08/20/19 09:20

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: 34283.00 NATIONAL PRESTO INDUS
Pace Project No.: 40193345

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40193345001	EW-6	EPA 8260	HNW	8	PASI-G
40193345002	EW-6 DUP	EPA 8260	HNW	8	PASI-G
40193345003	MH-18	EPA 6010	TXW	1	PASI-G
		EPA 8260	HNW	8	PASI-G
40193345004	MW-4A	EPA 8260	HNW	8	PASI-G
40193345005	MW-10A	EPA 6010	TXW	1	PASI-G
40193345006	MW-10B	EPA 6010	TXW	1	PASI-G
40193345007	MW-34A	EPA 6010	TXW	1	PASI-G
40193345008	MW-34B	EPA 6010	TXW	1	PASI-G
40193345009	MW-68B	EPA 6010	TXW	1	PASI-G
40193345010	MW-70A	EPA 8260	HNW	8	PASI-G
40193345011	MW-70B	EPA 6010	TXW	1	PASI-G
		EPA 8260	HNW	8	PASI-G
40193345012	MW-75	EPA 6010	TXW	1	PASI-G
40193345013	MW-76A	EPA 8260	HNW	8	PASI-G
40193345014	MW-77A	EPA 8260	HNW	8	PASI-G
40193345015	MW-77B	EPA 8260	HNW	8	PASI-G
40193345016	TRIP BLANK	EPA 8260	HNW	8	PASI-G

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: 34283.00 NATIONAL PRESTO INDUS
Pace Project No.: 40193345

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40193345001	EW-6					
EPA 8260	1,1,1-Trichloroethane	1.1	ug/L	1.0	08/21/19 13:13	
EPA 8260	Trichloroethene	0.76J	ug/L	1.0	08/21/19 13:13	
40193345002	EW-6 DUP					
EPA 8260	1,1,1-Trichloroethane	1.0	ug/L	1.0	08/21/19 14:20	
EPA 8260	Trichloroethene	0.67J	ug/L	1.0	08/21/19 14:20	
40193345003	MH-18					
EPA 8260	1,1,1-Trichloroethane	0.58J	ug/L	1.0	08/21/19 13:35	
EPA 8260	Trichloroethene	0.47J	ug/L	1.0	08/21/19 13:35	
40193345005	MW-10A					
EPA 6010	Cadmium, Dissolved	21.3	ug/L	5.0	08/29/19 15:15	
40193345007	MW-34A					
EPA 6010	Cadmium, Dissolved	2.1J	ug/L	5.0	08/29/19 15:20	
40193345008	MW-34B					
EPA 6010	Cadmium, Dissolved	2.1J	ug/L	5.0	08/29/19 15:22	
40193345009	MW-68B					
EPA 6010	Cadmium, Dissolved	3.1J	ug/L	5.0	08/29/19 15:25	
40193345010	MW-70A					
EPA 8260	Trichloroethene	0.71J	ug/L	1.0	08/21/19 14:43	
40193345011	MW-70B					
EPA 6010	Cadmium, Dissolved	5.0J	ug/L	5.0	08/29/19 15:32	
40193345012	MW-75					
EPA 6010	Cadmium, Dissolved	2.1J	ug/L	5.0	08/29/19 15:35	
40193345013	MW-76A					
EPA 8260	1,1,1-Trichloroethane	0.40J	ug/L	1.0	08/21/19 15:28	
40193345014	MW-77A					
EPA 8260	1,1,1-Trichloroethane	0.25J	ug/L	1.0	08/21/19 15:50	
EPA 8260	Trichloroethene	1.0	ug/L	1.0	08/21/19 15:50	
40193345015	MW-77B					
EPA 8260	1,1,1-Trichloroethane	0.26J	ug/L	1.0	08/21/19 16:13	
EPA 8260	Trichloroethene	1.8	ug/L	1.0	08/21/19 16:13	

REPORT OF LABORATORY ANALYSIS

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

PROJECT NARRATIVE

Project: 34283.00 NATIONAL PRESTO INDUS

Pace Project No.: 40193345

Method: EPA 6010

Description: 6010 MET ICP, Dissolved

Client: Gannett Fleming Inc.

Date: September 03, 2019

General Information:

8 samples were analyzed for EPA 6010. 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

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

PROJECT NARRATIVE

Project: 34283.00 NATIONAL PRESTO INDUS
Pace Project No.: 40193345

Method: EPA 8260
Description: 8260 MSV
Client: Gannett Fleming Inc.
Date: September 03, 2019

General Information:

10 samples were analyzed for EPA 8260. 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

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

ANALYTICAL RESULTS

Project: 34283.00 NATIONAL PRESTO INDUS

Pace Project No.: 40193345

Sample: EW-6 **Lab ID: 40193345001** Collected: 08/19/19 12:55 Received: 08/20/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	1.1	ug/L	1.0	0.24	1		08/21/19 13:13	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		08/21/19 13:13	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		08/21/19 13:13	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		08/21/19 13:13	127-18-4	
Trichloroethene	0.76J	ug/L	1.0	0.26	1		08/21/19 13:13	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	81	%	70-130		1		08/21/19 13:13	460-00-4	
Dibromofluoromethane (S)	114	%	70-130		1		08/21/19 13:13	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		08/21/19 13:13	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.00 NATIONAL PRESTO INDUS

Pace Project No.: 40193345

Sample: EW-6 DUP **Lab ID: 40193345002** Collected: 08/19/19 00:00 Received: 08/20/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	1.0	ug/L	1.0	0.24	1		08/21/19 14:20	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		08/21/19 14:20	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		08/21/19 14:20	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		08/21/19 14:20	127-18-4	
Trichloroethene	0.67J	ug/L	1.0	0.26	1		08/21/19 14:20	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	81	%	70-130		1		08/21/19 14:20	460-00-4	
Dibromofluoromethane (S)	116	%	70-130		1		08/21/19 14:20	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		08/21/19 14:20	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.00 NATIONAL PRESTO INDUS

Pace Project No.: 40193345

Sample: MH-18 **Lab ID: 40193345003** Collected: 08/19/19 13:10 Received: 08/20/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved		Analytical Method: EPA 6010							
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1		08/29/19 15:07	7440-43-9	
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	0.58J	ug/L	1.0	0.24	1		08/21/19 13:35	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		08/21/19 13:35	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		08/21/19 13:35	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		08/21/19 13:35	127-18-4	
Trichloroethene	0.47J	ug/L	1.0	0.26	1		08/21/19 13:35	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	80	%	70-130		1		08/21/19 13:35	460-00-4	
Dibromofluoromethane (S)	115	%	70-130		1		08/21/19 13:35	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		08/21/19 13:35	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.00 NATIONAL PRESTO INDUS

Pace Project No.: 40193345

Sample: MW-4A **Lab ID: 40193345004** Collected: 08/19/19 12:20 Received: 08/20/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		08/21/19 13:58	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		08/21/19 13:58	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		08/21/19 13:58	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		08/21/19 13:58	127-18-4	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		08/21/19 13:58	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	80	%	70-130		1		08/21/19 13:58	460-00-4	
Dibromofluoromethane (S)	115	%	70-130		1		08/21/19 13:58	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		08/21/19 13:58	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.00 NATIONAL PRESTO INDUS

Pace Project No.: 40193345

Sample: MW-10A **Lab ID: 40193345005** Collected: 08/19/19 10:05 Received: 08/20/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved									
Analytical Method: EPA 6010									
Cadmium, Dissolved	21.3	ug/L	5.0	1.3	1		08/29/19 15:15	7440-43-9	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.00 NATIONAL PRESTO INDUS

Pace Project No.: 40193345

Sample: MW-10B **Lab ID: 40193345006** Collected: 08/19/19 10:10 Received: 08/20/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved									
Analytical Method: EPA 6010									
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1		08/29/19 15:17	7440-43-9	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.00 NATIONAL PRESTO INDUS

Pace Project No.: 40193345

Sample: MW-34A **Lab ID: 40193345007** Collected: 08/19/19 10:45 Received: 08/20/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved									
Analytical Method: EPA 6010									
Cadmium, Dissolved	2.1J	ug/L	5.0	1.3	1		08/29/19 15:20	7440-43-9	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.00 NATIONAL PRESTO INDUS

Pace Project No.: 40193345

Sample: MW-34B **Lab ID: 40193345008** Collected: 08/19/19 10:40 Received: 08/20/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Cadmium, Dissolved	2.1J	ug/L	5.0	1.3	1		08/29/19 15:22	7440-43-9	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.00 NATIONAL PRESTO INDUS

Pace Project No.: 40193345

Sample: MW-68B **Lab ID: 40193345009** Collected: 08/19/19 11:50 Received: 08/20/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Cadmium, Dissolved	3.1J	ug/L	5.0	1.3	1		08/29/19 15:25	7440-43-9	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.00 NATIONAL PRESTO INDUS

Pace Project No.: 40193345

Sample: MW-70A **Lab ID: 40193345010** Collected: 08/19/19 10:15 Received: 08/20/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		08/21/19 14:43	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		08/21/19 14:43	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		08/21/19 14:43	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		08/21/19 14:43	127-18-4	
Trichloroethene	0.71J	ug/L	1.0	0.26	1		08/21/19 14:43	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	80	%	70-130		1		08/21/19 14:43	460-00-4	
Dibromofluoromethane (S)	113	%	70-130		1		08/21/19 14:43	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		08/21/19 14:43	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.00 NATIONAL PRESTO INDUS

Pace Project No.: 40193345

Sample: MW-70B **Lab ID: 40193345011** Collected: 08/19/19 10:20 Received: 08/20/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved		Analytical Method: EPA 6010							
Cadmium, Dissolved	5.0J	ug/L	5.0	1.3	1		08/29/19 15:32	7440-43-9	
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		08/21/19 15:05	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		08/21/19 15:05	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		08/21/19 15:05	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		08/21/19 15:05	127-18-4	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		08/21/19 15:05	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	81	%	70-130		1		08/21/19 15:05	460-00-4	
Dibromofluoromethane (S)	114	%	70-130		1		08/21/19 15:05	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		08/21/19 15:05	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.00 NATIONAL PRESTO INDUS

Pace Project No.: 40193345

Sample: MW-75 **Lab ID: 40193345012** Collected: 08/19/19 10:50 Received: 08/20/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved									
Analytical Method: EPA 6010									
Cadmium, Dissolved	2.1J	ug/L	5.0	1.3	1		08/29/19 15:35	7440-43-9	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.00 NATIONAL PRESTO INDUS

Pace Project No.: 40193345

Sample: MW-76A **Lab ID: 40193345013** Collected: 08/19/19 12:50 Received: 08/20/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	0.40J	ug/L	1.0	0.24	1		08/21/19 15:28	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		08/21/19 15:28	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		08/21/19 15:28	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		08/21/19 15:28	127-18-4	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		08/21/19 15:28	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	80	%	70-130		1		08/21/19 15:28	460-00-4	
Dibromofluoromethane (S)	114	%	70-130		1		08/21/19 15:28	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		08/21/19 15:28	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.00 NATIONAL PRESTO INDUS

Pace Project No.: 40193345

Sample: MW-77A **Lab ID: 40193345014** Collected: 08/19/19 12:35 Received: 08/20/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	0.25J	ug/L	1.0	0.24	1		08/21/19 15:50	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		08/21/19 15:50	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		08/21/19 15:50	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		08/21/19 15:50	127-18-4	
Trichloroethene	1.0	ug/L	1.0	0.26	1		08/21/19 15:50	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	79	%	70-130		1		08/21/19 15:50	460-00-4	
Dibromofluoromethane (S)	114	%	70-130		1		08/21/19 15:50	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		08/21/19 15:50	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.00 NATIONAL PRESTO INDUS

Pace Project No.: 40193345

Sample: MW-77B **Lab ID: 40193345015** Collected: 08/19/19 12:40 Received: 08/20/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	0.26J	ug/L	1.0	0.24	1		08/21/19 16:13	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		08/21/19 16:13	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		08/21/19 16:13	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		08/21/19 16:13	127-18-4	
Trichloroethene	1.8	ug/L	1.0	0.26	1		08/21/19 16:13	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	81	%	70-130		1		08/21/19 16:13	460-00-4	
Dibromofluoromethane (S)	113	%	70-130		1		08/21/19 16:13	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		08/21/19 16:13	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.00 NATIONAL PRESTO INDUS

Pace Project No.: 40193345

Sample: TRIP BLANK **Lab ID: 40193345016** Collected: 08/19/19 00:00 Received: 08/20/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		08/21/19 12:27	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		08/21/19 12:27	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		08/21/19 12:27	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		08/21/19 12:27	127-18-4	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		08/21/19 12:27	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	82	%	70-130		1		08/21/19 12:27	460-00-4	
Dibromofluoromethane (S)	111	%	70-130		1		08/21/19 12:27	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		08/21/19 12:27	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 34283.00 NATIONAL PRESTO INDUS
Pace Project No.: 40193345

QC Batch: 331291 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40193345001, 40193345002, 40193345003, 40193345004, 40193345010, 40193345011, 40193345013, 40193345014, 40193345015, 40193345016

METHOD BLANK: 1922277 Matrix: Water
Associated Lab Samples: 40193345001, 40193345002, 40193345003, 40193345004, 40193345010, 40193345011, 40193345013, 40193345014, 40193345015, 40193345016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.24	1.0	08/21/19 09:50	
1,1-Dichloroethane	ug/L	<0.27	1.0	08/21/19 09:50	
1,1-Dichloroethene	ug/L	<0.24	1.0	08/21/19 09:50	
Tetrachloroethene	ug/L	<0.33	1.1	08/21/19 09:50	
Trichloroethene	ug/L	<0.26	1.0	08/21/19 09:50	
4-Bromofluorobenzene (S)	%	82	70-130	08/21/19 09:50	
Dibromofluoromethane (S)	%	109	70-130	08/21/19 09:50	
Toluene-d8 (S)	%	96	70-130	08/21/19 09:50	

LABORATORY CONTROL SAMPLE: 1922278

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	49.9	100	70-130	
1,1-Dichloroethane	ug/L	50	49.3	99	73-150	
1,1-Dichloroethene	ug/L	50	48.6	97	73-138	
Tetrachloroethene	ug/L	50	58.1	116	70-130	
Trichloroethene	ug/L	50	56.0	112	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Dibromofluoromethane (S)	%			102	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1922279 1922280

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40193345001 Result	Spike Conc.	Spike Conc.	MS Conc.								
1,1,1-Trichloroethane	ug/L	1.1	50	50	48.7	52.2	95	102	70-130	7	20		
1,1-Dichloroethane	ug/L	<0.27	50	50	47.2	50.5	94	101	73-153	7	20		
1,1-Dichloroethene	ug/L	<0.24	50	50	46.7	49.7	93	99	73-138	6	20		
Tetrachloroethene	ug/L	<0.33	50	50	56.2	59.2	112	118	70-130	5	20		
Trichloroethene	ug/L	0.76J	50	50	54.2	56.9	107	112	70-130	5	20		
4-Bromofluorobenzene (S)	%						99	98	70-130				
Dibromofluoromethane (S)	%						101	102	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

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

QUALIFIERS

Project: 34283.00 NATIONAL PRESTO INDUS

Pace Project No.: 40193345

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.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 34283.00 NATIONAL PRESTO INDUS
Pace Project No.: 40193345

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40193345003	MH-18	EPA 6010	332295		
40193345005	MW-10A	EPA 6010	332295		
40193345006	MW-10B	EPA 6010	332295		
40193345007	MW-34A	EPA 6010	332295		
40193345008	MW-34B	EPA 6010	332295		
40193345009	MW-68B	EPA 6010	332295		
40193345011	MW-70B	EPA 6010	332295		
40193345012	MW-75	EPA 6010	332295		
40193345001	EW-6	EPA 8260	331291		
40193345002	EW-6 DUP	EPA 8260	331291		
40193345003	MH-18	EPA 8260	331291		
40193345004	MW-4A	EPA 8260	331291		
40193345010	MW-70A	EPA 8260	331291		
40193345011	MW-70B	EPA 8260	331291		
40193345013	MW-76A	EPA 8260	331291		
40193345014	MW-77A	EPA 8260	331291		
40193345015	MW-77B	EPA 8260	331291		
40193345016	TRIP BLANK	EPA 8260	331291		

REPORT OF LABORATORY ANALYSIS

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

(Please Print Clearly)

Company Name: Gannett Fleming, Inc.
Branch/Location: Madison, WI
Project Contact: Cliff Wright
Phone: 608/836-1500 x6722
Project Number: 34283.000
Project Name: National Presto Industries (NPI)
Project State: WI
Sampled By (Print): Chelsea Payne
Sampled By (Sign): *Chelsea Payne*
PO #:
Regulatory Program:



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

Page 1 of 2
 COC No. 40193345
 Page 28 of 32

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	N	Y								
	B	D								
Analyses Requested	NPI Short-list VOCs	Dissolved cadmium								

Quote #: Pace 2019
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

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

MS/MSD (billable)
 On your sample
 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	Analyses Requested	NPI Short-list VOCs	Dissolved cadmium											
		DATE	TIME															
001	EW-6	8-19-19	12:55	GW		6												
002	EW-6 dup		"			3												
003	MH-18		13:10			3	1											
004	MW-4A		12:20			3												
005	MW-10A		10:05				1											
006	MW-10B		10:10				1											
007	MW-34A		10:45				1											
008	MW-34B		10:40				1											
009	MW-68B		11:50				1											
010	MW-70A		10:15			3												
011	MW-70B		10:20			3	1											
012	MW-75		10:50				1											
013	MW-76A	↓	12:50	↓		3												

CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
MS/MSD		
	<i>PS</i>	

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge) Date Needed:	Relinquished By: <i>Chelsea Payne</i> Date/Time: <i>8/19/19 16:00</i>	Received By: _____ Date/Time: _____	PACE Project No. <i>40193345</i>
	Transmit Prelim Rush Results by (complete what you want): <i>FedEx</i>	Date/Time: <i>08/20/19 09:20</i>	
Email #1:	Relinquished By: _____ Date/Time: _____	Received By: _____ Date/Time: _____	Receipt Temp = <i>ROI</i> °C
Email #2:	Relinquished By: _____ Date/Time: _____	Received By: _____ Date/Time: _____	Sample Receipt pH <i>OK</i> Adjusted
Telephone:	Relinquished By: _____ Date/Time: _____	Received By: _____ Date/Time: _____	Cooler Custody Seal Present <i>(Not Present)</i> Intact <i>(Not Intact)</i>
Fax:	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: 608/836-1500 x6722
Project Number: 34283.000
Project Name: National Presto Industries (NPI)
Project State: WI
Sampled By (Print): Chelsea Payne
Sampled By (Sign): *Chelsea Payne*



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

COC No. 40193345

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	N	Y																	
	B	D																	
Analyses Requested	Pick Letter	NPI Short-list VOCs	Dissolved cadmium																

Quote #: Pace 2019
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

Regulatory Program:

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

MS/MSD (billable)
 On your sample
 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	Analyses Requested	Pick Letter	NPI Short-list VOCs	Dissolved cadmium											
		DATE	TIME																
014	MW-77A	8-19-19	12:35	GW			3												
015	MW-77B	↓	12:40	↓			3												
016	Trip Blank	↓		↓			2												

CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #

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: *Chelsea Payne* Date/Time: 8/19/19 16:00
 Relinquished By: *Fed Ex* Date/Time: 08/20/19 09:20

Received By: *M. Pace* Date/Time: 08/20/19 09:20

PACE Project No. 40193345
Receipt Temp = 20.1 °C
Sample Receipt pH OK Adjusted
Cooler Custody Seal
Present / Not Present
 Intact / Not Intact

Pace Container Order #528900

60193345

Order By :	Ship To :	Return To:
Company <u>Gannett Fleming Inc.</u>	Company <u>Gannett Fleming Inc.</u>	Company <u>Pace Analytical Green Bay</u>
Contact <u>Payne, Chelsea</u>	Contact <u>Payne, Chelsea</u>	Contact <u>Milewsky, Dan</u>
Email <u>cpayne@gfnet.com</u>	Email <u>cpayne@gfnet.com</u>	Email <u>dan.milewsky@pacelabs.com</u>
Address <u>8040 Excelsior Drive, Ste 303</u>	Address <u>8040 Excelsior Drive, Ste 303</u>	Address <u>1241 Bellevue Street</u>
Address 2 _____	Address 2 _____	Address 2 <u>Suite 9</u>
City <u>Madison</u>	City <u>Madison</u>	City <u>Green Bay</u>
State <u>WI</u> Zip <u>53717</u>	State <u>WI</u> Zip <u>53717</u>	State <u>WI</u> Zip <u>54302</u>
Phone <u>NONE</u>	Phone <u>NONE</u>	Phone <u>(920)469-2436</u>

Info			
Project Name <u>34283 NPI</u>	Due Date <u>08/13/2019</u>	Profile <u>x</u>	Quote _____
Project <u>Milewsky, Dan</u>	Return _____	Carrier <u>Most Economical</u>	Locatio _____

Trip Blanks <input checked="" type="checkbox"/> Include Trip Blanks	Bottle Labels <input type="checkbox"/> Blank <input checked="" type="checkbox"/> Pre-Printed No Sample IDs <input type="checkbox"/> Pre-Printed With Sample IDs	Bottles <input type="checkbox"/> Boxed Cases <input type="checkbox"/> Individually Wrapped <input type="checkbox"/> Grouped By Sample
Return Shipping Labels <input type="checkbox"/> No Shipper <input checked="" type="checkbox"/> With Shipper	Misc <input type="checkbox"/> Sampling Instructions <input type="checkbox"/> Custody Seal <input type="checkbox"/> Temp. Blanks <input checked="" type="checkbox"/> Coolers <input style="width: 50px;" type="text" value="1"/> <input type="checkbox"/> Syringes <input style="width: 50px;" type="text"/>	
COC Options <input type="checkbox"/> Number of Blanks <input style="width: 50px;" type="text"/> <input type="checkbox"/> Pre-Printed <input style="width: 50px;" type="text"/>	<input type="checkbox"/> Extra Bubble Wrap <input type="checkbox"/> Short Hold/Rush <input type="checkbox"/> DI <input style="width: 50px;" type="text" value="Liter(s)"/> <input type="checkbox"/> USDA Regulated Soils	

# of Samples	Matrix	Test	Container	Total	# of	Lot #	Notes
8	WT	Metals	250mL plastic w/HNO3	8	0	M-9-129-04BB	Diss Cd
11	WT	VOC 8260	3-40ml clear vial HCl-hydrochloric acid	33	0	B-9-124-01VB	
2	WT	Trip BLANK	2-40mL HCL w/custody seal	4	0	B-9-098-01VB	

Hazard Shipping Placard In Place : NA

*Sample receiving hours are Monday through Friday 8:00 am to 6:00 pm and Saturday from 9:00 am to 12:00 pm unless special arrangements are made with your 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

*Payment term are net 30 days.

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


LAB USE:

Ship Date :	08/09/2019
Prepared By:	Mai Yer Her
Verified By:	

Sample

CLIENT USE (Optional):

Date Rec'd:	
Received By:	
Verified By:	

 1241 Bellevue Street, Green Bay, WI 54302	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: 25Apr2018
	Document No.: F-GB-C-031-Rev.07	Issuing Authority: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Client Name: Gannett Fleming

Courier: CS Logistics Fed Ex Speedee UPS Walto

Client Pace Other: _____

Project #:

WO#: 40193345



Tracking #: 844690265576

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: Wet Blue Dry None

Cooler Temperature Uncorr: ROI /Corr: _____

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

40193345

Person examining contents:
Date: 08/20/19
Initials: MSC

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C.

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 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>427</u>		<u>Received an extra trip Blank MSC 08/20/19</u>

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: Rud for DM Date: 08/20/19

December 13, 2019

Project #34283.000
NPI Q4
Reviewed by CCW
12/13/19

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

RE: Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40200328

Dear Clifford Wright:

Enclosed are the analytical results for sample(s) received by the laboratory on December 05, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

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

CERTIFICATIONS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40200328

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

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

SAMPLE SUMMARY

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40200328

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40200328001	EW-6	Water	12/03/19 12:40	12/05/19 09:15
40200328002	EW-6 DUP	Water	12/03/19 12:40	12/05/19 09:15
40200328003	MH-18	Water	12/03/19 12:55	12/05/19 09:15
40200328004	MW-4B	Water	12/03/19 15:10	12/05/19 09:15
40200328005	MW-10A	Water	12/03/19 13:25	12/05/19 09:15
40200328006	MW-34A	Water	12/03/19 13:40	12/05/19 09:15
40200328007	MW-68A	Water	12/03/19 16:10	12/05/19 09:15
40200328008	MW-68B	Water	12/03/19 16:05	12/05/19 09:15
40200328009	MW-70A	Water	12/03/19 15:55	12/05/19 09:15
40200328010	MW-76A	Water	12/03/19 14:00	12/05/19 09:15
40200328011	MW-76A DUP	Water	12/03/19 14:00	12/05/19 09:15
40200328012	MW-77A	Water	12/03/19 14:30	12/05/19 09:15
40200328013	MW-77B	Water	12/03/19 14:40	12/05/19 09:15
40200328014	RW-3A DUP	Water	12/04/19 08:35	12/05/19 09:15
40200328015	RW-3B	Water	12/04/19 08:40	12/05/19 09:15
40200328016	RW-3C	Water	12/04/19 08:45	12/05/19 09:15
40200328017	TRIP BLANK	Water	12/03/19 00:00	12/05/19 09:15
40200328018	RW-3A	Water	12/04/19 08:35	12/05/19 09:15

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40200328

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40200328001	EW-6	EPA 8260	LAP	8	PASI-G
40200328002	EW-6 DUP	EPA 8260	LAP	8	PASI-G
40200328003	MH-18	EPA 8260	LAP	8	PASI-G
40200328004	MW-4B	EPA 8260	LAP	8	PASI-G
40200328005	MW-10A	EPA 6010	TXW	1	PASI-G
40200328006	MW-34A	EPA 8260	LAP	8	PASI-G
40200328007	MW-68A	EPA 8260	LAP	8	PASI-G
40200328008	MW-68B	EPA 8260	LAP	8	PASI-G
40200328009	MW-70A	EPA 8260	LAP	8	PASI-G
40200328010	MW-76A	EPA 8260	LAP	8	PASI-G
40200328011	MW-76A DUP	EPA 8260	LAP	8	PASI-G
40200328012	MW-77A	EPA 8260	LAP	8	PASI-G
40200328013	MW-77B	EPA 8260	LAP	8	PASI-G
40200328014	RW-3A DUP	EPA 8260	LAP	8	PASI-G
40200328015	RW-3B	EPA 8260	LAP	8	PASI-G
40200328016	RW-3C	EPA 8260	LAP	8	PASI-G
40200328017	TRIP BLANK	EPA 8260	LAP	8	PASI-G
40200328018	RW-3A	EPA 8260	LAP	8	PASI-G

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40200328

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40200328001	EW-6					
EPA 8260	1,1,1-Trichloroethane	1.0	ug/L	1.0	12/06/19 09:30	
EPA 8260	Trichloroethene	0.61J	ug/L	1.0	12/06/19 09:30	
40200328002	EW-6 DUP					
EPA 8260	1,1,1-Trichloroethane	0.97J	ug/L	1.0	12/06/19 09:52	
EPA 8260	Trichloroethene	0.61J	ug/L	1.0	12/06/19 09:52	
40200328003	MH-18					
EPA 8260	1,1,1-Trichloroethane	0.48J	ug/L	1.0	12/06/19 10:14	
EPA 8260	Trichloroethene	0.58J	ug/L	1.0	12/06/19 10:14	
40200328005	MW-10A					
EPA 6010	Cadmium, Dissolved	20.4	ug/L	5.0	12/10/19 13:49	
40200328006	MW-34A					
EPA 8260	1,1-Dichloroethane	0.31J	ug/L	1.0	12/06/19 10:57	
40200328009	MW-70A					
EPA 8260	Trichloroethene	0.38J	ug/L	1.0	12/06/19 14:27	
40200328010	MW-76A					
EPA 8260	1,1,1-Trichloroethane	0.30J	ug/L	1.0	12/06/19 14:49	
40200328013	MW-77B					
EPA 8260	Trichloroethene	1.6	ug/L	1.0	12/06/19 15:54	
40200328014	RW-3A DUP					
EPA 8260	Trichloroethene	1.7	ug/L	1.0	12/06/19 16:16	
40200328015	RW-3B					
EPA 8260	1,1,1-Trichloroethane	0.36J	ug/L	1.0	12/06/19 16:38	
EPA 8260	Trichloroethene	2.2	ug/L	1.0	12/06/19 16:38	
40200328016	RW-3C					
EPA 8260	1,1,1-Trichloroethane	0.38J	ug/L	1.0	12/06/19 17:00	
EPA 8260	Trichloroethene	3.3	ug/L	1.0	12/06/19 17:00	
40200328018	RW-3A					
EPA 8260	Trichloroethene	1.5	ug/L	1.0	12/06/19 17:22	

REPORT OF LABORATORY ANALYSIS

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

PROJECT NARRATIVE

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40200328

Method: EPA 6010

Description: 6010 MET ICP, Dissolved

Client: Gannett Fleming Inc.

Date: December 13, 2019

General Information:

1 sample was analyzed for EPA 6010. 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

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

PROJECT NARRATIVE

Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40200328

Method: EPA 8260
Description: 8260 MSV
Client: Gannett Fleming Inc.
Date: December 13, 2019

General Information:

17 samples were analyzed for EPA 8260. 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

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40200328

Sample: EW-6 **Lab ID: 40200328001** Collected: 12/03/19 12:40 Received: 12/05/19 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	1.0	ug/L	1.0	0.24	1		12/06/19 09:30	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		12/06/19 09:30	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		12/06/19 09:30	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		12/06/19 09:30	127-18-4	
Trichloroethene	0.61J	ug/L	1.0	0.26	1		12/06/19 09:30	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		12/06/19 09:30	460-00-4	
Dibromofluoromethane (S)	98	%	70-130		1		12/06/19 09:30	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		12/06/19 09:30	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40200328

Sample: EW-6 DUP **Lab ID: 40200328002** Collected: 12/03/19 12:40 Received: 12/05/19 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	0.97J	ug/L	1.0	0.24	1		12/06/19 09:52	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		12/06/19 09:52	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		12/06/19 09:52	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		12/06/19 09:52	127-18-4	
Trichloroethene	0.61J	ug/L	1.0	0.26	1		12/06/19 09:52	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		12/06/19 09:52	460-00-4	
Dibromofluoromethane (S)	97	%	70-130		1		12/06/19 09:52	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		12/06/19 09:52	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40200328

Sample: MH-18 **Lab ID: 40200328003** Collected: 12/03/19 12:55 Received: 12/05/19 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	0.48J	ug/L	1.0	0.24	1		12/06/19 10:14	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		12/06/19 10:14	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		12/06/19 10:14	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		12/06/19 10:14	127-18-4	
Trichloroethene	0.58J	ug/L	1.0	0.26	1		12/06/19 10:14	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	70-130		1		12/06/19 10:14	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		12/06/19 10:14	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		12/06/19 10:14	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40200328

Sample: MW-4B **Lab ID: 40200328004** Collected: 12/03/19 15:10 Received: 12/05/19 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		12/06/19 10:36	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		12/06/19 10:36	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		12/06/19 10:36	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		12/06/19 10:36	127-18-4	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		12/06/19 10:36	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		12/06/19 10:36	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		12/06/19 10:36	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		12/06/19 10:36	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40200328

Sample: MW-10A **Lab ID: 40200328005** Collected: 12/03/19 13:25 Received: 12/05/19 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved									
Analytical Method: EPA 6010									
Cadmium, Dissolved	20.4	ug/L	5.0	1.3	1		12/10/19 13:49	7440-43-9	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40200328

Sample: MW-34A **Lab ID: 40200328006** Collected: 12/03/19 13:40 Received: 12/05/19 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		12/06/19 10:57	71-55-6	
1,1-Dichloroethane	0.31J	ug/L	1.0	0.27	1		12/06/19 10:57	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		12/06/19 10:57	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		12/06/19 10:57	127-18-4	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		12/06/19 10:57	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		12/06/19 10:57	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		12/06/19 10:57	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		12/06/19 10:57	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40200328

Sample: MW-68A **Lab ID: 40200328007** Collected: 12/03/19 16:10 Received: 12/05/19 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		12/06/19 11:19	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		12/06/19 11:19	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		12/06/19 11:19	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		12/06/19 11:19	127-18-4	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		12/06/19 11:19	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		12/06/19 11:19	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		12/06/19 11:19	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		12/06/19 11:19	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40200328

Sample: MW-68B **Lab ID: 40200328008** Collected: 12/03/19 16:05 Received: 12/05/19 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		12/06/19 11:41	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		12/06/19 11:41	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		12/06/19 11:41	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		12/06/19 11:41	127-18-4	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		12/06/19 11:41	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		12/06/19 11:41	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		12/06/19 11:41	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		12/06/19 11:41	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40200328

Sample: MW-70A **Lab ID: 40200328009** Collected: 12/03/19 15:55 Received: 12/05/19 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		12/06/19 14:27	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		12/06/19 14:27	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		12/06/19 14:27	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		12/06/19 14:27	127-18-4	
Trichloroethene	0.38J	ug/L	1.0	0.26	1		12/06/19 14:27	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		12/06/19 14:27	460-00-4	
Dibromofluoromethane (S)	97	%	70-130		1		12/06/19 14:27	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		12/06/19 14:27	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40200328

Sample: MW-76A **Lab ID: 40200328010** Collected: 12/03/19 14:00 Received: 12/05/19 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	0.30J	ug/L	1.0	0.24	1		12/06/19 14:49	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		12/06/19 14:49	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		12/06/19 14:49	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		12/06/19 14:49	127-18-4	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		12/06/19 14:49	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		12/06/19 14:49	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		12/06/19 14:49	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		12/06/19 14:49	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40200328

Sample: MW-76A DUP **Lab ID: 40200328011** Collected: 12/03/19 14:00 Received: 12/05/19 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		12/06/19 15:11	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		12/06/19 15:11	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		12/06/19 15:11	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		12/06/19 15:11	127-18-4	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		12/06/19 15:11	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		12/06/19 15:11	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		12/06/19 15:11	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		12/06/19 15:11	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40200328

Sample: MW-77A **Lab ID: 40200328012** Collected: 12/03/19 14:30 Received: 12/05/19 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		12/06/19 15:33	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		12/06/19 15:33	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		12/06/19 15:33	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		12/06/19 15:33	127-18-4	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		12/06/19 15:33	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		12/06/19 15:33	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		12/06/19 15:33	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		12/06/19 15:33	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40200328

Sample: MW-77B **Lab ID: 40200328013** Collected: 12/03/19 14:40 Received: 12/05/19 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		12/06/19 15:54	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		12/06/19 15:54	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		12/06/19 15:54	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		12/06/19 15:54	127-18-4	
Trichloroethene	1.6	ug/L	1.0	0.26	1		12/06/19 15:54	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	70-130		1		12/06/19 15:54	460-00-4	
Dibromofluoromethane (S)	97	%	70-130		1		12/06/19 15:54	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		12/06/19 15:54	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40200328

Sample: RW-3A DUP **Lab ID:** 40200328014 Collected: 12/04/19 08:35 Received: 12/05/19 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		12/06/19 16:16	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		12/06/19 16:16	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		12/06/19 16:16	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		12/06/19 16:16	127-18-4	
Trichloroethene	1.7	ug/L	1.0	0.26	1		12/06/19 16:16	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		12/06/19 16:16	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		12/06/19 16:16	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		12/06/19 16:16	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40200328

Sample: RW-3B **Lab ID: 40200328015** Collected: 12/04/19 08:40 Received: 12/05/19 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	0.36J	ug/L	1.0	0.24	1		12/06/19 16:38	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		12/06/19 16:38	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		12/06/19 16:38	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		12/06/19 16:38	127-18-4	
Trichloroethene	2.2	ug/L	1.0	0.26	1		12/06/19 16:38	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		12/06/19 16:38	460-00-4	
Dibromofluoromethane (S)	98	%	70-130		1		12/06/19 16:38	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		12/06/19 16:38	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40200328

Sample: RW-3C **Lab ID: 40200328016** Collected: 12/04/19 08:45 Received: 12/05/19 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	0.38J	ug/L	1.0	0.24	1		12/06/19 17:00	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		12/06/19 17:00	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		12/06/19 17:00	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		12/06/19 17:00	127-18-4	
Trichloroethene	3.3	ug/L	1.0	0.26	1		12/06/19 17:00	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		12/06/19 17:00	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		12/06/19 17:00	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		12/06/19 17:00	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40200328

Sample: TRIP BLANK **Lab ID: 40200328017** Collected: 12/03/19 00:00 Received: 12/05/19 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		12/06/19 09:08	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		12/06/19 09:08	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		12/06/19 09:08	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		12/06/19 09:08	127-18-4	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		12/06/19 09:08	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		12/06/19 09:08	460-00-4	
Dibromofluoromethane (S)	89	%	70-130		1		12/06/19 09:08	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		12/06/19 09:08	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40200328

Sample: RW-3A **Lab ID: 40200328018** Collected: 12/04/19 08:35 Received: 12/05/19 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		12/06/19 17:22	71-55-6	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		12/06/19 17:22	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		12/06/19 17:22	75-35-4	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		12/06/19 17:22	127-18-4	
Trichloroethene	1.5	ug/L	1.0	0.26	1		12/06/19 17:22	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		12/06/19 17:22	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		12/06/19 17:22	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		12/06/19 17:22	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40200328

QC Batch: 343041 Analysis Method: EPA 6010
QC Batch Method: EPA 6010 Analysis Description: ICP Metals, Trace, Dissolved
Associated Lab Samples: 40200328005

METHOD BLANK: 1991826 Matrix: Water
Associated Lab Samples: 40200328005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cadmium, Dissolved	ug/L	<1.3	5.0	12/10/19 12:53	

LABORATORY CONTROL SAMPLE: 1991827

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cadmium, Dissolved	ug/L	500	467	93	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1991828 1991829

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40200330001 Result	Spike Conc.	Spike Conc.	Conc.								
Cadmium, Dissolved	ug/L	<1.3	500	500	476	482	95	96	75-125	1	20		

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40200328

QC Batch: 342681 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40200328001, 40200328002, 40200328003, 40200328004, 40200328006, 40200328007, 40200328008, 40200328009, 40200328010, 40200328011, 40200328012, 40200328013, 40200328014, 40200328015, 40200328016, 40200328017, 40200328018

METHOD BLANK: 1990026 Matrix: Water
Associated Lab Samples: 40200328001, 40200328002, 40200328003, 40200328004, 40200328006, 40200328007, 40200328008, 40200328009, 40200328010, 40200328011, 40200328012, 40200328013, 40200328014, 40200328015, 40200328016, 40200328017, 40200328018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.24	1.0	12/06/19 07:19	
1,1-Dichloroethane	ug/L	<0.27	1.0	12/06/19 07:19	
1,1-Dichloroethene	ug/L	<0.24	1.0	12/06/19 07:19	
Tetrachloroethene	ug/L	<0.33	1.1	12/06/19 07:19	
Trichloroethene	ug/L	<0.26	1.0	12/06/19 07:19	
4-Bromofluorobenzene (S)	%	90	70-130	12/06/19 07:19	
Dibromofluoromethane (S)	%	95	70-130	12/06/19 07:19	
Toluene-d8 (S)	%	99	70-130	12/06/19 07:19	

LABORATORY CONTROL SAMPLE: 1990027

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	53.2	106	70-130	
1,1-Dichloroethane	ug/L	50	45.6	91	73-150	
1,1-Dichloroethene	ug/L	50	49.5	99	73-138	
Tetrachloroethene	ug/L	50	49.0	98	70-130	
Trichloroethene	ug/L	50	53.3	107	70-130	
4-Bromofluorobenzene (S)	%			102	70-130	
Dibromofluoromethane (S)	%			85	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1990028 1990029

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40200328001 Result	Spike Conc.	Spike Conc.	MS Result						
1,1,1-Trichloroethane	ug/L	1.0	50	50	52.6	54.2	103	106	70-130	3	20
1,1-Dichloroethane	ug/L	<0.27	50	50	43.7	43.4	87	87	73-153	1	20
1,1-Dichloroethene	ug/L	<0.24	50	50	47.6	46.3	95	93	73-138	3	20
Tetrachloroethene	ug/L	<0.33	50	50	46.3	47.3	93	95	70-130	2	20
Trichloroethene	ug/L	0.61J	50	50	51.0	50.6	101	100	70-130	1	20
4-Bromofluorobenzene (S)	%						100	101	70-130		
Dibromofluoromethane (S)	%						87	88	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

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

QUALIFIERS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40200328

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.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40200328

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40200328005	MW-10A	EPA 6010	343041		
40200328001	EW-6	EPA 8260	342681		
40200328002	EW-6 DUP	EPA 8260	342681		
40200328003	MH-18	EPA 8260	342681		
40200328004	MW-4B	EPA 8260	342681		
40200328006	MW-34A	EPA 8260	342681		
40200328007	MW-68A	EPA 8260	342681		
40200328008	MW-68B	EPA 8260	342681		
40200328009	MW-70A	EPA 8260	342681		
40200328010	MW-76A	EPA 8260	342681		
40200328011	MW-76A DUP	EPA 8260	342681		
40200328012	MW-77A	EPA 8260	342681		
40200328013	MW-77B	EPA 8260	342681		
40200328014	RW-3A DUP	EPA 8260	342681		
40200328015	RW-3B	EPA 8260	342681		
40200328016	RW-3C	EPA 8260	342681		
40200328017	TRIP BLANK	EPA 8260	342681		
40200328018	RW-3A	EPA 8260	342681		

REPORT OF LABORATORY ANALYSIS

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

(Please Print Clearly)

Company Name: Gannett Fleming, Inc.
Branch/Location: Madison, WI
Project Contact: Cliff Wright
Phone: 608/836-1500 x6722
Project Number: 34283.000
Project Name: National Presto Industries (NPI)
Project State: WI
Sampled By (Print): Chelsea Payne
Sampled By (Sign): *Ch Payne*
PO #: _____ **Regulatory Program:** _____



UPPER MIDWEST REGION

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

Page 2 of 2

COC No. 46200328

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	N																			
Y/N	N																			
Y/N	N																			
	B																			

Quote #: Pace 2019
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

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

MS/MSD (billable)
 On your sample
 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	Analyses Requested	NPI Short-list VOCs
		DATE	TIME			
014	RW-3A dup	12/4	8:35	GW		3
015	RW-3B		8:40			3
016	RW-3C		8:45			3
017	Trip Blank	12/3				2
018	RW-3A	12/4	8:35	GW		3

CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #

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>Ch Payne</i>	Date/Time: 12/4/19 16:00	Received By: _____	Date/Time: _____
Relinquished By: <i>Feel</i>	Date/Time: 12/5/19 09:15	Received By: <i>Michelle</i>	Date/Time: 12/5/19 09:15
Relinquished By: _____	Date/Time: _____	Received By: _____	Date/Time: _____
Relinquished By: _____	Date/Time: _____	Received By: _____	Date/Time: _____

PACE Project No.
46200328

Receipt Temp = 20.8 °C

Sample Receipt pH
OK / Adjusted

Cooler Custody Seal
Present / Not Present
Intact / Not Intact

Sample Preservation Receipt Form

Client Name: Coanette Fleming Inc Project # 40200328

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

Initial when completed: mp Date/Time:

Lab Lot# of pH paper: 10US3581 Lab Std #ID of preservation (if pH adjusted):

Pace Lab #	Glass						Plastic						Vials					Jars			General			VOA Vials (>6mm) *	H2SO4 pH ≤	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤	pH after adjusted	Volume (mL)					
	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3B	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU	WPFU								SP5T	ZPLC	GN		
001																	5																	2.5 / 5 / 10	
002																	3																	2.5 / 5 / 10	
003																	3																	2.5 / 5 / 10	
004																	3																	2.5 / 5 / 10	
005																																		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																	3																	2.5 / 5 / 10	
017																	2																	2.5 / 5 / 10	
018																	3																	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	DG9A 40 mL amber ascorbic	JGFU 4 oz amber jar unpres
AG1H 1 liter amber glass HCL	BP2N 500 mL plastic HNO3	DG9T 40 mL amber Na Thio	WGFU 4 oz clear jar unpres
AG4S 125 mL amber glass H2SO4	BP2Z 500 mL plastic NaOH, Znact	VG9U 40 mL clear vial unpres	WPFU 4 oz plastic jar unpres
AG4U 120 mL amber glass unpres	BP3U 250 mL plastic unpres	VG9H 40 mL clear vial HCL	
AG5U 100 mL amber glass unpres	BP3B 250 mL plastic NaOH	VG9M 40 mL clear vial MeOH	SP5T 120 mL plastic Na Thiosulfate
AG2S 500 mL amber glass H2SO4	BP3N 250 mL plastic HNO3	VG9D 40 mL clear vial DI	ZPLC ziploc bag
BG3U 250 mL clear glass unpres	BP3S 250 mL plastic H2SO4		GN:



Document Name:
Sample Condition Upon Receipt (SCUR)
Document No.:
F-GB-C-031-Rev.07

Document Revised: 25Apr2018
Issuing Authority:
Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project #:

WO# : 40200328



40200328

Client Name: Coanett Fleming, Inc

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

Tracking #: 8149 6215 4427

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

Cooler Temperature Uncorr: LOT /Corr: _____

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.

Person examining contents:
Date: 12/5/19
Initials: MP

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 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>438</u>		

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: HMK per JM

Date: 12/5/19

December 11, 2019

Project #34283.000
NPI Q4 ECMWF
Reviewed by CCW
12/12/19

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

RE: Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40200369

Dear Clifford Wright:

Enclosed are the analytical results for sample(s) received by the laboratory on December 05, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

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

CERTIFICATIONS

Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40200369

Pace Analytical Services Minneapolis

A2LA Certification #: 2926.01	Minnesota Dept of Ag Certification #: via MN 027-053-137
Alabama Certification #: 40770	Minnesota Petrofund Certification #: 1240
Alaska Contaminated Sites Certification #: 17-009	Mississippi Certification #: MN00064
Alaska DW Certification #: MN00064	Missouri Certification #: 10100
Arizona Certification #: AZ0014	Montana Certification #: CERT0092
Arkansas DW Certification #: MN00064	Nebraska Certification #: NE-OS-18-06
Arkansas WW Certification #: 88-0680	Nevada Certification #: MN00064
California Certification #: 2929	New Hampshire Certification #: 2081
CNMI Saipan Certification #: MP0003	New Jersey Certification #: MN002
Colorado Certification #: MN00064	New York Certification #: 11647
Connecticut Certification #: PH-0256	North Carolina DW Certification #: 27700
EPA Region 8+Wyoming DW Certification #: via MN 027-053-137	North Carolina WW Certification #: 530
Florida Certification #: E87605	North Dakota Certification #: R-036
Georgia Certification #: 959	Ohio DW Certification #: 41244
Guam EPA Certification #: MN00064	Ohio VAP Certification #: CL101
Hawaii Certification #: MN00064	Oklahoma Certification #: 9507
Idaho Certification #: MN00064	Oregon Primary Certification #: MN300001
Illinois Certification #: 200011	Oregon Secondary Certification #: MN200001
Indiana Certification #: C-MN-01	Pennsylvania Certification #: 68-00563
Iowa Certification #: 368	Puerto Rico Certification #: MN00064
Kansas Certification #: E-10167	South Carolina Certification #: 74003001
Kentucky DW Certification #: 90062	Tennessee Certification #: TN02818
Kentucky WW Certification #: 90062	Texas Certification #: T104704192
Louisiana DEQ Certification #: 03086	Utah Certification #: MN00064
Louisiana DW Certification #: MN00064	Vermont Certification #: VT-027053137
Maine Certification #: MN00064	Virginia Certification #: 460163
Maryland Certification #: 322	Washington Certification #: C486
Massachusetts Certification #: M-MN064	West Virginia DEP Certification #: 382
Massachusetts DWP Certification #: via MN 027-053-137	West Virginia DW Certification #: 9952 C
Michigan Certification #: 9909	Wisconsin Certification #: 999407970
Minnesota Certification #: 027-053-137	Wyoming UST Certification #: via A2LA 2926.01

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40200369

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40200369001	CW-15	Water	12/04/19 08:05	12/05/19 09:15
40200369002	CW-19	Water	12/04/19 08:10	12/05/19 09:15
40200369003	CW-22	Water	12/04/19 08:20	12/05/19 09:15
40200369004	CW-23	Water	12/04/19 08:15	12/05/19 09:15
40200369005	RAW	Water	12/04/19 08:00	12/05/19 09:15
40200369006	TOWER A	Water	12/04/19 07:55	12/05/19 09:15
40200369007	TOWER B	Water	12/04/19 07:57	12/05/19 09:15
40200369008	FINISHED PRODUCT	Water	12/04/19 07:50	12/05/19 09:15

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40200369

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40200369001	CW-15	EPA 524.2	DS2	8	PASI-M
40200369002	CW-19	EPA 524.2	DS2	8	PASI-M
40200369003	CW-22	EPA 524.2	DS2	8	PASI-M
40200369004	CW-23	EPA 524.2	DS2	8	PASI-M
40200369005	RAW	EPA 524.2	DS2	8	PASI-M
40200369006	TOWER A	EPA 524.2	DS2	8	PASI-M
40200369007	TOWER B	EPA 524.2	DS2	8	PASI-M
40200369008	FINISHED PRODUCT	EPA 524.2	DS2	8	PASI-M

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40200369

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40200369002	CW-19					
EPA 524.2	Trichloroethene	0.55	ug/L	0.39	12/09/19 12:57	
40200369003	CW-22					
EPA 524.2	Trichloroethene	2.0	ug/L	0.39	12/09/19 13:21	
40200369005	RAW					
EPA 524.2	Trichloroethene	0.97	ug/L	0.39	12/09/19 14:57	

REPORT OF LABORATORY ANALYSIS

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

PROJECT NARRATIVE

Project: 34283.000 NATIONAL PRESTO IND.
Pace Project No.: 40200369

Method: EPA 524.2
Description: 524.2 MSV
Client: Gannett Fleming Inc.
Date: December 11, 2019

General Information:

8 samples were analyzed for EPA 524.2. 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: 648831

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10501848001

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

- MSD (Lab ID: 3491751)
- Tetrachloroethene

Additional Comments:

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

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40200369

Sample: CW-15 **Lab ID: 40200369001** Collected: 12/04/19 08:05 Received: 12/05/19 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2							
1,1-Dichloroethane	<0.16	ug/L	0.55	0.16	1		12/09/19 12:34	75-34-3	
1,1-Dichloroethene	<0.19	ug/L	0.62	0.19	1		12/09/19 12:34	75-35-4	
Tetrachloroethene	<0.17	ug/L	0.56	0.17	1		12/09/19 12:34	127-18-4	
1,1,1-Trichloroethane	<0.19	ug/L	0.62	0.19	1		12/09/19 12:34	71-55-6	
Trichloroethene	<0.12	ug/L	0.39	0.12	1		12/09/19 12:34	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	75-125		1		12/09/19 12:34	460-00-4	
Toluene-d8 (S)	112	%	75-125		1		12/09/19 12:34	2037-26-5	
1,2-Dichloroethane-d4 (S)	103	%	75-125		1		12/09/19 12:34	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40200369

Sample: CW-19 **Lab ID: 40200369002** Collected: 12/04/19 08:10 Received: 12/05/19 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2							
1,1-Dichloroethane	<0.16	ug/L	0.55	0.16	1		12/09/19 12:57	75-34-3	
1,1-Dichloroethene	<0.19	ug/L	0.62	0.19	1		12/09/19 12:57	75-35-4	
Tetrachloroethene	<0.17	ug/L	0.56	0.17	1		12/09/19 12:57	127-18-4	
1,1,1-Trichloroethane	<0.19	ug/L	0.62	0.19	1		12/09/19 12:57	71-55-6	
Trichloroethene	0.55	ug/L	0.39	0.12	1		12/09/19 12:57	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	75-125		1		12/09/19 12:57	460-00-4	
Toluene-d8 (S)	112	%	75-125		1		12/09/19 12:57	2037-26-5	
1,2-Dichloroethane-d4 (S)	103	%	75-125		1		12/09/19 12:57	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40200369

Sample: CW-22 **Lab ID: 40200369003** Collected: 12/04/19 08:20 Received: 12/05/19 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2							
1,1-Dichloroethane	<0.16	ug/L	0.55	0.16	1		12/09/19 13:21	75-34-3	
1,1-Dichloroethene	<0.19	ug/L	0.62	0.19	1		12/09/19 13:21	75-35-4	
Tetrachloroethene	<0.17	ug/L	0.56	0.17	1		12/09/19 13:21	127-18-4	
1,1,1-Trichloroethane	<0.19	ug/L	0.62	0.19	1		12/09/19 13:21	71-55-6	
Trichloroethene	2.0	ug/L	0.39	0.12	1		12/09/19 13:21	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	75-125		1		12/09/19 13:21	460-00-4	
Toluene-d8 (S)	113	%	75-125		1		12/09/19 13:21	2037-26-5	
1,2-Dichloroethane-d4 (S)	103	%	75-125		1		12/09/19 13:21	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40200369

Sample: CW-23 **Lab ID: 40200369004** Collected: 12/04/19 08:15 Received: 12/05/19 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2							
1,1-Dichloroethane	<0.16	ug/L	0.55	0.16	1		12/09/19 13:45	75-34-3	
1,1-Dichloroethene	<0.19	ug/L	0.62	0.19	1		12/09/19 13:45	75-35-4	
Tetrachloroethene	<0.17	ug/L	0.56	0.17	1		12/09/19 13:45	127-18-4	
1,1,1-Trichloroethane	<0.19	ug/L	0.62	0.19	1		12/09/19 13:45	71-55-6	
Trichloroethene	<0.12	ug/L	0.39	0.12	1		12/09/19 13:45	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	75-125		1		12/09/19 13:45	460-00-4	
Toluene-d8 (S)	112	%	75-125		1		12/09/19 13:45	2037-26-5	
1,2-Dichloroethane-d4 (S)	105	%	75-125		1		12/09/19 13:45	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40200369

Sample: RAW **Lab ID: 40200369005** Collected: 12/04/19 08:00 Received: 12/05/19 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2							
1,1-Dichloroethane	<0.16	ug/L	0.55	0.16	1		12/09/19 14:57	75-34-3	
1,1-Dichloroethene	<0.19	ug/L	0.62	0.19	1		12/09/19 14:57	75-35-4	
Tetrachloroethene	<0.17	ug/L	0.56	0.17	1		12/09/19 14:57	127-18-4	
1,1,1-Trichloroethane	<0.19	ug/L	0.62	0.19	1		12/09/19 14:57	71-55-6	
Trichloroethene	0.97	ug/L	0.39	0.12	1		12/09/19 14:57	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	75-125		1		12/09/19 14:57	460-00-4	
Toluene-d8 (S)	112	%	75-125		1		12/09/19 14:57	2037-26-5	
1,2-Dichloroethane-d4 (S)	102	%	75-125		1		12/09/19 14:57	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40200369

Sample: TOWER A **Lab ID: 40200369006** Collected: 12/04/19 07:55 Received: 12/05/19 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2							
1,1-Dichloroethane	<0.16	ug/L	0.55	0.16	1		12/09/19 14:09	75-34-3	
1,1-Dichloroethene	<0.19	ug/L	0.62	0.19	1		12/09/19 14:09	75-35-4	
Tetrachloroethene	<0.17	ug/L	0.56	0.17	1		12/09/19 14:09	127-18-4	
1,1,1-Trichloroethane	<0.19	ug/L	0.62	0.19	1		12/09/19 14:09	71-55-6	
Trichloroethene	<0.12	ug/L	0.39	0.12	1		12/09/19 14:09	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	75-125		1		12/09/19 14:09	460-00-4	
Toluene-d8 (S)	113	%	75-125		1		12/09/19 14:09	2037-26-5	
1,2-Dichloroethane-d4 (S)	104	%	75-125		1		12/09/19 14:09	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40200369

Sample: TOWER B **Lab ID: 40200369007** Collected: 12/04/19 07:57 Received: 12/05/19 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2							
1,1-Dichloroethane	<0.16	ug/L	0.55	0.16	1		12/09/19 14:33	75-34-3	
1,1-Dichloroethene	<0.19	ug/L	0.62	0.19	1		12/09/19 14:33	75-35-4	
Tetrachloroethene	<0.17	ug/L	0.56	0.17	1		12/09/19 14:33	127-18-4	
1,1,1-Trichloroethane	<0.19	ug/L	0.62	0.19	1		12/09/19 14:33	71-55-6	
Trichloroethene	<0.12	ug/L	0.39	0.12	1		12/09/19 14:33	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	75-125		1		12/09/19 14:33	460-00-4	
Toluene-d8 (S)	110	%	75-125		1		12/09/19 14:33	2037-26-5	
1,2-Dichloroethane-d4 (S)	104	%	75-125		1		12/09/19 14:33	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40200369

Sample: FINISHED PRODUCT **Lab ID: 40200369008** Collected: 12/04/19 07:50 Received: 12/05/19 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2							
1,1-Dichloroethane	<0.16	ug/L	0.55	0.16	1		12/09/19 12:10	75-34-3	
1,1-Dichloroethene	<0.19	ug/L	0.62	0.19	1		12/09/19 12:10	75-35-4	
Tetrachloroethene	<0.17	ug/L	0.56	0.17	1		12/09/19 12:10	127-18-4	
1,1,1-Trichloroethane	<0.19	ug/L	0.62	0.19	1		12/09/19 12:10	71-55-6	
Trichloroethene	<0.12	ug/L	0.39	0.12	1		12/09/19 12:10	79-01-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	75-125		1		12/09/19 12:10	460-00-4	
Toluene-d8 (S)	111	%	75-125		1		12/09/19 12:10	2037-26-5	
1,2-Dichloroethane-d4 (S)	102	%	75-125		1		12/09/19 12:10	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40200369

QC Batch: 648831 Analysis Method: EPA 524.2
 QC Batch Method: EPA 524.2 Analysis Description: 524.2 MSV
 Associated Lab Samples: 40200369001, 40200369002, 40200369003, 40200369004, 40200369005, 40200369006, 40200369007, 40200369008

METHOD BLANK: 3490435 Matrix: Water
 Associated Lab Samples: 40200369001, 40200369002, 40200369003, 40200369004, 40200369005, 40200369006, 40200369007, 40200369008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.19	0.62	12/09/19 10:34	
1,1-Dichloroethane	ug/L	<0.16	0.55	12/09/19 10:34	
1,1-Dichloroethene	ug/L	<0.19	0.62	12/09/19 10:34	
Tetrachloroethene	ug/L	<0.17	0.56	12/09/19 10:34	
Trichloroethene	ug/L	<0.12	0.39	12/09/19 10:34	
1,2-Dichloroethane-d4 (S)	%	103	75-125	12/09/19 10:34	
4-Bromofluorobenzene (S)	%	101	75-125	12/09/19 10:34	
Toluene-d8 (S)	%	111	75-125	12/09/19 10:34	

LABORATORY CONTROL SAMPLE: 3490436

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	10	9.2	92	70-130	
1,1-Dichloroethane	ug/L	10	9.5	95	70-130	
1,1-Dichloroethene	ug/L	10	10.1	101	70-130	
Tetrachloroethene	ug/L	10	10.7	107	70-130	
Trichloroethene	ug/L	10	10	100	70-130	
1,2-Dichloroethane-d4 (S)	%			107	75-125	
4-Bromofluorobenzene (S)	%			96	75-125	
Toluene-d8 (S)	%			108	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3491750 3491751

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		10501848001 Result	Spike Conc.	Spike Conc.	MS Result								
1,1,1-Trichloroethane	ug/L	ND	10	10	10.8	11.6	108	116	70-130	7	20		
1,1-Dichloroethane	ug/L	ND	10	10	10.3	10.6	103	106	70-130	3	20		
1,1-Dichloroethene	ug/L	ND	10	10	12.3	11.8	123	118	70-130	4	20		
Tetrachloroethene	ug/L	ND	10	10	12.6	13.2	126	132	70-130	5	20 M1		
Trichloroethene	ug/L	ND	10	10	11.1	11.0	111	110	70-130	1	20		
1,2-Dichloroethane-d4 (S)	%						108	104	75-125				
4-Bromofluorobenzene (S)	%						98	98	75-125				
Toluene-d8 (S)	%						108	105	75-125				

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

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

QUALIFIERS

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40200369

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.

LABORATORIES

PASI-M Pace Analytical Services - Minneapolis

ANALYTE QUALIFIERS

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 34283.000 NATIONAL PRESTO IND.

Pace Project No.: 40200369

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40200369001	CW-15	EPA 524.2	648831		
40200369002	CW-19	EPA 524.2	648831		
40200369003	CW-22	EPA 524.2	648831		
40200369004	CW-23	EPA 524.2	648831		
40200369005	RAW	EPA 524.2	648831		
40200369006	TOWER A	EPA 524.2	648831		
40200369007	TOWER B	EPA 524.2	648831		
40200369008	FINISHED PRODUCT	EPA 524.2	648831		

REPORT OF LABORATORY ANALYSIS

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

(Please Print Clearly)

Company Name: Gannett Fleming, Inc.
Branch/Location: Madison, WI
Project Contact: Cliff Wright
Phone: 608/836-1500 x6722
Project Number: 34283.000
Project Name: National Presto Industries (NPI)
Project State: WI
Sampled By (Print): Brett Seidlitz / Chelsea Payne
Sampled By (Sign): *[Signature]*



UPPER MIDWEST REGION

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

COC No. 40200369

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	N																		
	B																		
Analyses Requested	NPI Short-list VOCs:524.2																		

Quote #: Pace 2018
Mail To Contact: Cliff Wright
Mail To Company: Gannett Fleming
Mail To Address: 8040 Excelsior Dr. 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 package 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
		DATE	TIME	
001	CW-15	12/4/19	8:05	DW
002	CW-19		8:10	"
003	CW-22		8:20	"
004	CW-23		8:15	"
005	Raw		8:00	"
006	Tower A		7:55	"
007	Tower B		7:57	"
008	Finished product		7:50	"
009	Trip blank	12/3/19		

12/5/19 WSP

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge)
 Date Needed: **Relinquished By:** *[Signature]* **Date/Time:** 12/4/19 16:00 **Received By:** **Date/Time:**
Transmit Prelim Rush Results by (complete what you want): **Relinquished By:** *[Signature]* **Date/Time:** 12/5/19 09:15 **Received By:** *[Signature]* **Date/Time:** 12/5/19 09:15
Receipt Temp = 25.8 °C
Sample Receipt pH OK / Adjusted
Cooler Custody Seal Present / Not Present
Intact / Not Intact

Sample Preservation Receipt Form

Pace Analytical Services, LLC
1241 Bellevue Street, Suite 901
Green Bay, WI 54302

Client Name: Cannett Fleming, Inc

Project # 40200369

Page 19 of 20

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	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3B	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	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																																	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, WIDRO, 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	DG9A 40 mL amber ascorbic	JGFU 4 oz amber jar unpres
AG1H 1 liter amber glass HCL	BP2N 500 mL plastic HNO3	DG9T 40 mL amber Na Thio	WGFU 4 oz clear jar unpres
AG4S 125 mL amber glass H2SO4	BP2Z 500 mL plastic NaOH, Znact	VG9U 40 mL clear vial unpres	WPFU 4 oz plastic jar unpres
AG4U 120 mL amber glass unpres	BP3U 250 mL plastic unpres	VG9H 40 mL clear vial HCL	
AG5U 100 mL amber glass unpres	BP3B 250 mL plastic NaOH	VG9M 40 mL clear vial MeOH	SP5T 120 mL plastic Na Thiosulfate
AG2S 500 mL amber glass H2SO4	BP3N 250 mL plastic HNO3	VG9D 40 mL clear vial DI	ZPLC ziploc bag
BG3U 250 mL clear glass unpres	BP3S 250 mL plastic H2SO4		GN:



1241 Bellevue Street, Green Bay, WI 54302

Document Name:
Sample Condition Upon Receipt (SCUR)

Document No.:
F-GB-C-031-Rev.07

Document Revised: 25Apr2018

Issuing Authority:
Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project #:

Client Name: Cannett Fleming, Inc

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

Tracking #: 81496215 4427

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

Cooler Temperature Uncorr: LO /Corr: _____

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.

Person examining contents:
Date: 12/5/19
Initials: mp

Project #

WO#: 40200369

40200369

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:	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	8. <u>Received no Trip Blank</u>
For Analysis:	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<u>12/5/19 mp</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 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: received 12 empty 40 ml vials

Project Manager Review: OK FEM

Date: 12/5/19

APPENDIX C (available upon request)

TEXT OF THE 2019 ANALYTICAL DATA VALIDATION REPORTS

Presto Site Data Validation Technical Memorandum

March 2019 Sampling Event



Technical memorandum

DATE: May 11, 2019

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

January 2019 Quarterly Groundwater Sampling Event

Project#: 34283

Mary Gannon
5/11/19

1.0 OVERVIEW

Analytical results (8260 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 25, 2019 have been evaluated using the EPA guidance documents the "National Functional Guidelines for Inorganic Superfund Methods Data Review", dated September 2016 and January 2017, and the "National Functional Guidelines for Superfund Organic Methods Data Review", dated September 2016 and January 2017. The project data quality objective was assumed to be that data were to be usable for the purposes of assessing the interim remedial action for the site groundwater. The review was based on data packages supplied by the analytical laboratory, Pace Analytical, located in Green Bay, Wisconsin.

DQO Attainment

All dissolved cadmium data and 8260 results are usable as reported without additional qualification.

Values qualified with a J code by the laboratory are those that are above the LOD, but less than the LOQ. The validated data sheets are attached.

Presto Site Data Validation Technical Memorandum

March 2019 Sampling Event

2.0 6010 Dissolved Cd

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

2.1 Completeness Assessment

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

2.2 Compliance Assessment**2.2.1 Holding Time/Preservation**

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

2.2.2 Calibration

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

2.2.3 Laboratory Blanks

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

2.2.4 Laboratory Control Standard

An LCS sample at 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.

March 2019 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. Recoveries and the RPD values for in the samples analyzed as the MS/MSD were within data validation and Pace limits. 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. No action was needed to qualify sample data.

2.3 Data Usability

All metals, data as reported by Pace was acceptable for use in the investigation.

3.0 VOLATILE ORGANICS DATA BY METHODS 8260B

Pace utilized EPA method 8260B for project sample analysis as indicated in Table 1. No significant deviations from these reference methods affecting data quality were evident from the documentation received and reviewed.

3.1 Completeness Assessment

The required method 8260 frequency for internal laboratory QC samples and calibration checks were met. All samples collected and indicated on the chain-of-custody form were analyzed.

3.2 Compliance Assessment

3.2.1 Holding Times/Preservation

All samples were analyzed within the 14 day holding time. Verification of sample pH upon analysis indicated that all samples were adequately preserved at a pH of < 2. No action was needed to qualify sample data.

Sample temperature upon receipt by the lab was acceptable as all were received at 2-6°C or "on ice". No action was needed to qualify sample data.

March 2019 Sampling Event

3.2.2 Initial Calibration and Tuning

BFB tuning results met method 8260 criteria as appropriate. No action was needed to qualify sample data.

Seven point initial calibration curves were analyzed on 3/19/19 and, 3/21/19. 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 82608 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)

The project sample used for method 8260 analyses MS/MSD was MW-76A. All recoveries and Relative Percent Difference limits established by Pace and found on QAPP worksheet #15 were met for all reported compounds. No action was needed to qualify sample data.

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.

Presto Site Data Validation Technical Memorandum

March 2019 Sampling Event

3.2.9 Field QC Results

One trip blank was received with this set of data. The expiration of the trip blank was 12/28/19. Since no analytes were detected, no action was needed to qualify sample data.

A field duplicate was collected for sample EW-6. The calculated Relative Percent Difference (RPD) for the detected volatile organics between the sample and its field duplicate were as follows:

Sample ID	EW-6	EW-6 Dup	RPD
Trichloroethene	0.94 J ug/L	1.0 ug/L	6.2%
1,1,1-trichloroethane	0.81 J ug/L	0.84 J ug/L	3.6%

All RPD values were within 50% as specified on QAPP Worksheet #12. No action was needed to qualify sample data.

3.3 Data Usability

All samples are usable as reported by PACE analytical.

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.

Mary Gannett
5/11/19

Table 1 Sample Results Validated March 2019

	Volatiles	Dissolved
	SW846	Cadmium
SAMPLE ID	8260B	6010
EW-6	✓	
EW-6 DUP	✓	
MW-4B	✓	
MW-10A		✓
MW-34A	✓	✓
MW-68A	✓	
MW-68B	✓	
MW-70A	✓	
MW-76A	✓	
MW-77A	✓	
MW-77B	✓	
MH-18	✓	
TRIP BLANK	✓	
Total	12	2

Meg 5/11/19

Presto Site Data Validation Technical Memorandum

June 2019 Sampling Event



Technical memorandum

DATE: August 8, 2019

TO: Derrick Paul

National Presto Industries, Inc.

FROM: Mary C Gannon

Owner MCW Scientific Solutions LLC

SUBJECT: Data Validation for National Presto Industries, Inc.

Interim Remedial Action Project

June 2019 Quarterly Groundwater Sampling Event

Project#: 34283

Mary C Gannon
8/8/19

1.0 OVERVIEW

Analytical results (8260, 524.2 and, 6010 dissolved cadmium) for the samples listed in Table 1, collected by Gannett Fleming, Inc. from the interim remedial action at National Presto Industries, Inc. on June 10-12, 2019 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 Minneapolis, Minnesota.

DQO Attainment

All dissolved cadmium data, 524.2 and 8260 results are usable as reported without additional qualification. Values qualified with a J code by the laboratory are those that are above the LOD, but less than the LOQ. The validated data sheets are attached.

Presto Site Data Validation Technical Memorandum

June 2019 Sampling Event

2.0 6010 Dissolved Cd

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

2.1 Completeness Assessment

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

2.2 Compliance Assessment**2.2.1 Holding Time/Preservation**

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

2.2.2 Calibration

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

2.2.3 Laboratory Blanks

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

2.2.4 Laboratory Control Standard

An LCS sample at 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.

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. Recoveries and the RPD values for in the samples analyzed as the MS/MSD were within data validation and Pace limits. 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. 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 method 8260B and, 524.2 for project sample analysis as indicated in Table 1. No significant deviations from these reference methods affecting data quality were evident from the documentation received and reviewed.

3.1 Completeness Assessment

The required method 8260 and 524.2 frequency for internal laboratory QC samples and calibration checks were met. All samples collected and indicated on the chain-of-custody form were analyzed.

3.2 Compliance Assessment

3.2.1 Holding Times/Preservation

All samples were analyzed within the 14 day holding time. 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 and, 524.2 criteria as appropriate. No action was needed to qualify sample data.

Presto Site Data Validation Technical Memorandum

June 2019 Sampling Event

Seven point initial calibration curves were analyzed on 4/3/19, 5/21/19, and 6/5/19 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 seven to nine point initial calibration for method 524.2 was analyzed on 5/29/19. 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 every 12 hours. All Calibration Check Compounds met the method 8260B and 524.2 limits of < 30 % difference. All response factors of reported compounds met data validation criteria. No action was needed to qualify sample data.

3.2.4 Laboratory Blanks

No detectable volatile organics above the LOD were present in the lab blanks analyzed with the project samples. No action was needed to qualify sample data.

3.2.5 Surrogate Recoveries

All surrogate recoveries were within Pace limits. No action was needed to qualify sample data.

3.2.6 Matrix Spike (MS)/Matrix Spike Duplicates (MSD)

Project samples used for method 8260 analyses MS/MSD were MW-76A, EC-1, RW-3A, MW-52A, and, MW-38B. 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. A batch MS/MSD was analyzed for 524.2 and met all criteria. 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.

Presto Site Data Validation Technical Memorandum

June 2019 Sampling Event

3.2.9 Field QC Results

Four trip blanks were received with this set of data. No detectable volatile organics above the LOD were present in the trip blanks analyzed with the project samples. No action was needed to qualify sample data.

Field duplicates were collected for samples EC-2, MW-43B, MW-45B, MW-51A, MW-62AR, MW-23A, RW-2B and EW-6. Samples below the reporting limit or ND do not need to be qualified. The calculated Relative Percent Difference (RPD) for detections above the reporting limit for volatile organics between the sample and its field duplicate were as follows:

Sample ID	MW-43B	MW-43B Dup	RPD	MW-45B	MW-45B Dup	RPD
Trichloroethene	1.3 ug/L	1.4 ug/L	7.4%	2.0 ug/L	2.2 ug/L	9.5%

Sample ID	RW-2B	RW-2B Dup	RPD	EW-6	EW-6 Dup	RPD
Trichloroethene	2.0 ug/L	2.1 ug/L	4.9%			
1,1,1-trichloroethane				1.0 ug/L	0.98J ug/L	2.0%

All RPD values were within 50% as specified on QAPP Worksheet #12. No action was needed to qualify sample data.

3.3 Data Usability

All samples are usable as reported by PACE analytical.

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

Attachments:

Table 1
Validated Analytical Reports (hard copy)

cc: Gannett Fleming, Inc.

Table 1 Sample Results Validated June 2019

	SW846	Cadmium	
SAMPLE ID	8260B	6010	524.2
EC-1	✓		
EC-2	✓		
EC-2 DUP	✓		
EC-6	✓		
RW-3A	✓		
RW-3B	✓		
RW-3C	✓		
RW-16	✓		
RW-16B	✓		
RW-16C	✓		
MW-41A	✓		
MW-41B	✓		
MW-43A	✓		
MW-43B	✓		
MW-43B DUP	✓		
MW-45A	✓		
MW-45B	✓		
MW-45B DUP	✓		
MW-45C	✓		
MW-49A	✓		
MW-49B	✓		
MW-51A	✓		
MW-51A DUP	✓		
MW-51B	✓		
MW-52A	✓		
MW-52B	✓		
MW-53A	✓		
MW-53B	✓		
MW-54A	✓		
MW-54B	✓		
MW-54C	✓		
MW-55B	✓		
MW-55C	✓		
Trip Blank	✓		
MW-23A	✓		
MW-23A DUP	✓		
MW-35A	✓		
MW-35B	✓		

MW-38A	✓		
MW-38B	✓		
MW-38C	✓		
MW-65B	✓		
MW-65C	✓		
RW-2A	✓		
RW-2B	✓		
RW-2B DUP	✓		
RW-2C	✓		
RW-15	✓		
WW-15	✓		
EW-6	✓		
EW-6 DUP	✓		
MH-18	✓		
TRIP BLANK	✓		
MW-23B	✓		
MW-5A	✓		
MW-4B	✓		
MW-10A		✓	
MW-62AR	✓		
MW-62AR DUP	✓		
MW-62B	✓		
MW-63A	✓		
MW-66B	✓		
MW-34A	✓		
MW-34B	✓		
MW-34C	✓		
MW-68A	✓		
MW-68B	✓		
MW-70A	✓		
MW-74A	✓		
MW-76A	✓		
MW-76B	✓		
MW-77A	✓		
MW-77B	✓		
MW-77c	✓		
TRIP BLANK	✓		
CW-15			✓
CW-19			✓
CW-22			✓
CW-23			✓

RAW			✓
TOWER A			✓
TOWER B			✓
FINISHED PRODUCT			✓
TRIP BLANK			✓
Total	74	1	9

Presto Site Data Validation Technical Memorandum

August 2019 Sampling Event



Technical memorandum

DATE: October 4, 2019

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 2019 Quarterly Groundwater Sampling Event

Project#: 34283

Mary C Gannon
10/14/19

1.0 OVERVIEW

Analytical results (8260, 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 August 19, 2019 have been evaluated using the EPA guidance documents the "National Functional Guidelines for Inorganic Superfund Methods Data Review", dated September 2016 and January 2017, and the "National Functional Guidelines for Superfund Organic Methods Data Review", dated September 2016 and January 2017. The project data quality objective was assumed to be that data were to be usable for the purposes of assessing the interim remedial action for the site groundwater. The review was based on data packages supplied by the analytical laboratory, Pace Analytical, located in Green Bay, Wisconsin.

DQO Attainment

All dissolved cadmium data, and 8260 results are usable as reported without additional qualification. Values qualified with a J code by the laboratory are those that are above the LOD, but less than the LOQ. The validated data sheets are attached.

Presto Site Data Validation Technical Memorandum

August 2019 Sampling Event

2.0 6010 Dissolved Cd

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

2.1 Completeness Assessment

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

2.2 Compliance Assessment**2.2.1 Holding Time/Preservation**

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

2.2.2 Calibration

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

2.2.3 Laboratory Blanks

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

2.2.4 Laboratory Control Standard

An LCS sample at 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.

2.2.5 MS/MSD Sample Recovery and RPD

A MS/MSD was run on sample MH-18 . Recoveries and the RPD values for in the samples analyzed as the MS/MSD were within data validation and Pace limits. No action was needed to qualify sample data.

Presto Site Data Validation Technical Memorandum

August 2019 Sampling Event

2.2.6 Serial Dilution

No serial dilution was analyzed on the client sample. No action was needed to qualify sample data.

2.2.7 Field QC Results

No field blanks or field duplicates were collected and analyzed for metals. 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.

Seven point initial calibration curves were analyzed on 6/10/19 and, 8/21/19. 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 2019 Sampling Event

3.2.3 Continuing Calibration

A continuing calibration standard (CCAL) was analyzed according to methods 82608 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)

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

Two trip blanks were received with this set of data. The extra was noted on the sample login form but data for one trip blank was reported. No analytes were detected, no action was needed to qualify sample data.

A field duplicate was collected for sample EW-6. The calculated Relative Percent Difference (RPD) for the detected volatile organics between the sample and its field

Presto Site Data Validation Technical Memorandum

August 2019 Sampling Event

duplicate were as follows:

Sample ID	EW-6	EW-6 Dup	RPD
Trichloroethene	0.76 J ug/L	0.67 J ug/L	12.6%
1,1,1-trichloroethane	1.1 ug/L	1.0 ug/L	9.5%

All RPD values were within 50% as specified on QAPP Worksheet #12. No action was needed to qualify sample data.

3.3 Data Usability

All samples are usable as reported by PACE analytical.

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 2019

	Volatiles	Dissolved
	SW846	Cadmium
SAMPLE ID	8260B	6010
EW-6	✓	
EW-6 DUP	✓	
MH-18	✓	✓
MW-4A	✓	
MW-10A		✓
MW-10B		✓
MW-34A		✓
MW-34B		✓
MW-68B		✓
MW-70A	✓	
MW-70B	✓	✓
MW-75		✓
MW-76A	✓	
MW-77A	✓	
MW-77B	✓	
TRIP BLANK	✓	
Total	10	8

Presto Site Data Validation Technical Memorandum

December 2019 Sampling Event



Technical memorandum

DATE: January 10, 2020

TO: Derrick Paul

National Presto Industries, Inc.

FROM: Mary C Gannon

Owner MCW Scientific Solutions LLC

SUBJECT: Data Validation for National Presto Industries, Inc.

Interim Remedial Action Project

December 2019 Quarterly Groundwater Sampling Event

Project#: 34283

Mary C. Gannon
1/10/20

1.0 OVERVIEW

Analytical results (8260,524.2 volatiles, and 6010 dissolved cadmium) for the samples listed in Table 1, collected by Gannett Fleming, Inc. from the interim remedial action at National Presto Industries, Inc. on December 3-4, 2019 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 Minneapolis, Minnesota.

DQO Attainment

All dissolved cadmium data, 524.2 and 8260 results are usable as reported without additional qualification. Values qualified with a J code by the laboratory are those that are above the LOD, but less than the LOQ. The validated data sheets are attached.

Presto Site Data Validation Technical Memorandum

December 2019 Sampling Event

2.0 6010 Dissolved Cd

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

2.1 Completeness Assessment

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

2.2 Compliance Assessment**2.2.1 Holding Time/Preservation**

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

2.2.2 Calibration

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

2.2.3 Laboratory Blanks

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

2.2.4 Laboratory Control Standard

An LCS sample at 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.

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. Recoveries and the RPD values for in the samples analyzed as the MS/MSD were within data validation and Pace limits. No action was needed to qualify sample data.

Presto Site Data Validation Technical Memorandum

December 2019 Sampling Event

2.2.6 Serial Dilution

No serial dilution was analyzed on the client sample. No action was needed to qualify sample data.

2.2.7 Field QC Results

No field blanks or field duplicates were collected and analyzed for metals on the one project sample. No action was needed to qualify sample data.

2.3 Data Usability

All metals, data as reported by Pace was acceptable for use in the investigation.

3.0 VOLATILE ORGANICS DATA BY METHODS 8260B/524.2

Pace utilized EPA methods 8260B and, 524.2 for project sample analysis as indicated in Table 1. No significant deviations from these reference methods affecting data quality were evident from the documentation received and reviewed.

3.1 Completeness Assessment

The required method 8260 and, 524.2 frequency for internal laboratory QC samples and calibration checks were met. All samples collected and indicated on the chain-of-custody form were analyzed.

3.2 Compliance Assessment**3.2.1 Holding Times/Preservation**

All samples were analyzed within the 14 day holding time. 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 and, 524.2 criteria as appropriate. No action was needed to qualify sample data.

Seven point initial calibration curves were analyzed on 11/5/19 for method 8260. The 15 percent RSD limit required by method 8260 was met for all reported compounds. No action

Presto Site Data Validation Technical Memorandum

December 2019 Sampling Event

was needed to qualify sample data.

An eight or nine point initial calibration for method 524.2 was analyzed on 12/2/19. 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 82608 and 524.2 every 12 hours. All Calibration Check Compounds met the method 8260B limits of < 20 % difference and the 524.2 limits of < 30 % difference. All response factors of reported compounds met data validation criteria. No action was needed to qualify sample data.

3.2.4 Laboratory Blanks

No detectable volatile organics above the LOD were present in the lab blanks analyzed with the project samples. No action was needed to qualify sample data.

3.2.5 Surrogate Recoveries

All surrogate recoveries were within Pace limits. No action was needed to qualify sample data.

3.2.6 Matrix Spike (MS)/Matrix Spike Duplicates (MSD)

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. A batch MS/MSD was analyzed for 524.2 and met all criteria. 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.

Presto Site Data Validation Technical Memorandum

December 2019 Sampling Event

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 EW-6, MW-76A 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	EW-6	EW-6 DUP	RPD	MW-76A	MW-76A Dup	RPD
Trichloroethene	0.61 J ug/L	0.61 J ug/L	0%	ND	ND	
1,1,1-trichloroethane	1.0 ug/L	0.97 J ug/L	3%	0.30 J ug/L	ND	

Sample ID	RW-3A	RW-3A Dup	RPD
Trichloroethene	ND	ND	
1,1,1-trichloroethane	1.5 ug/L	1.7 ug/L	12.5%

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)

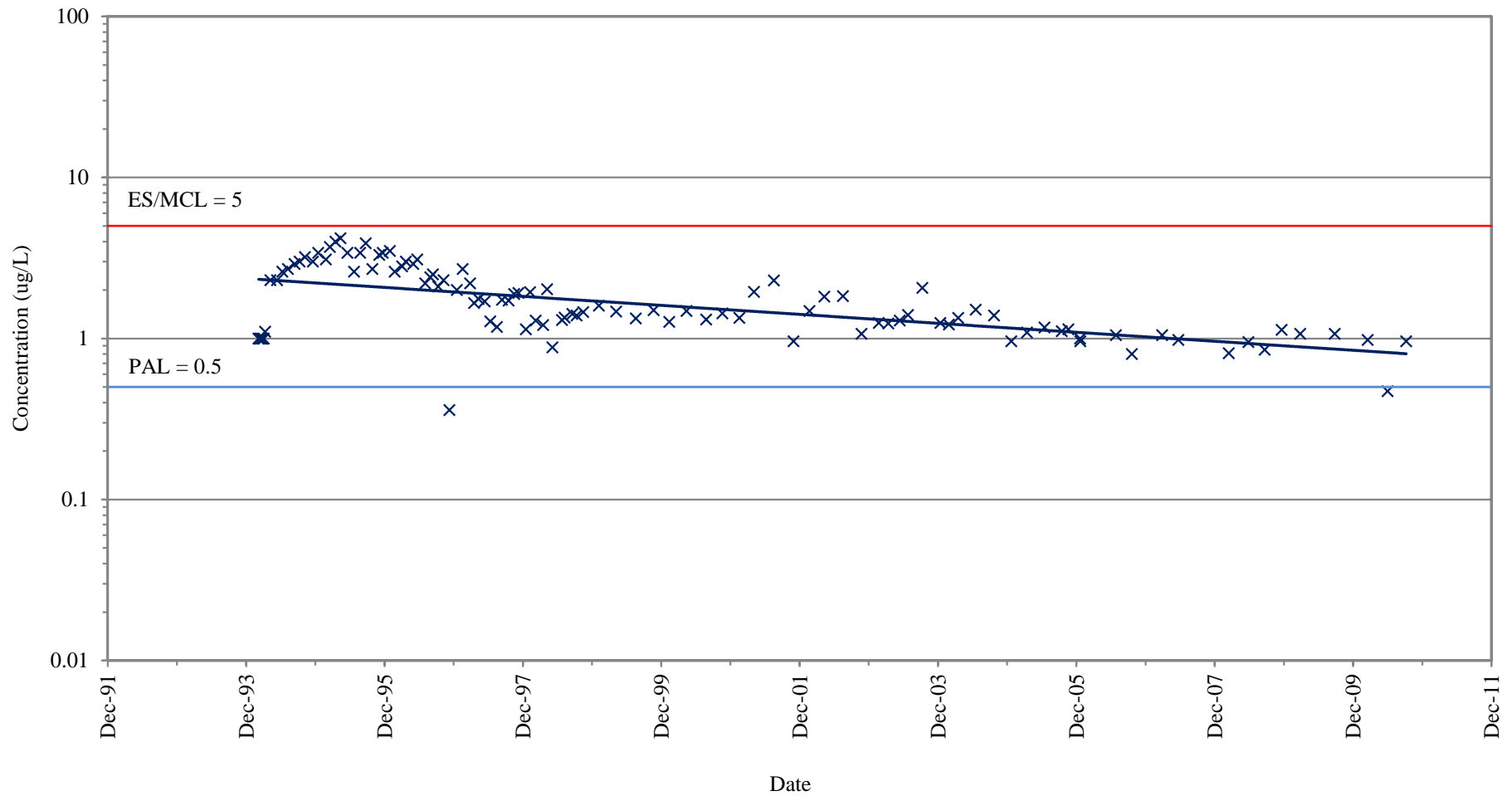
cc: Gannett Fleming, Inc.

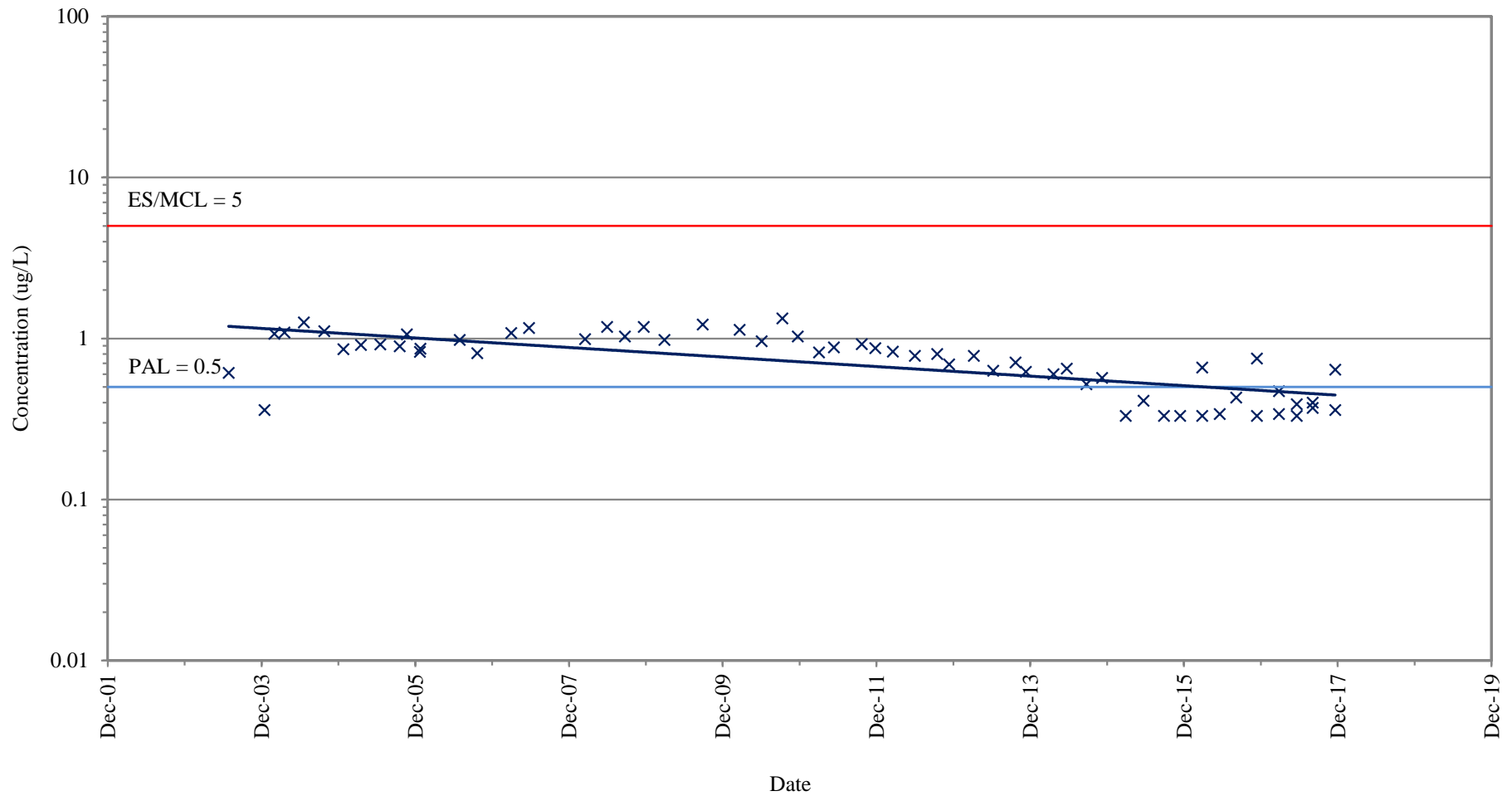
Table 1 Sample Results Validated December 2019

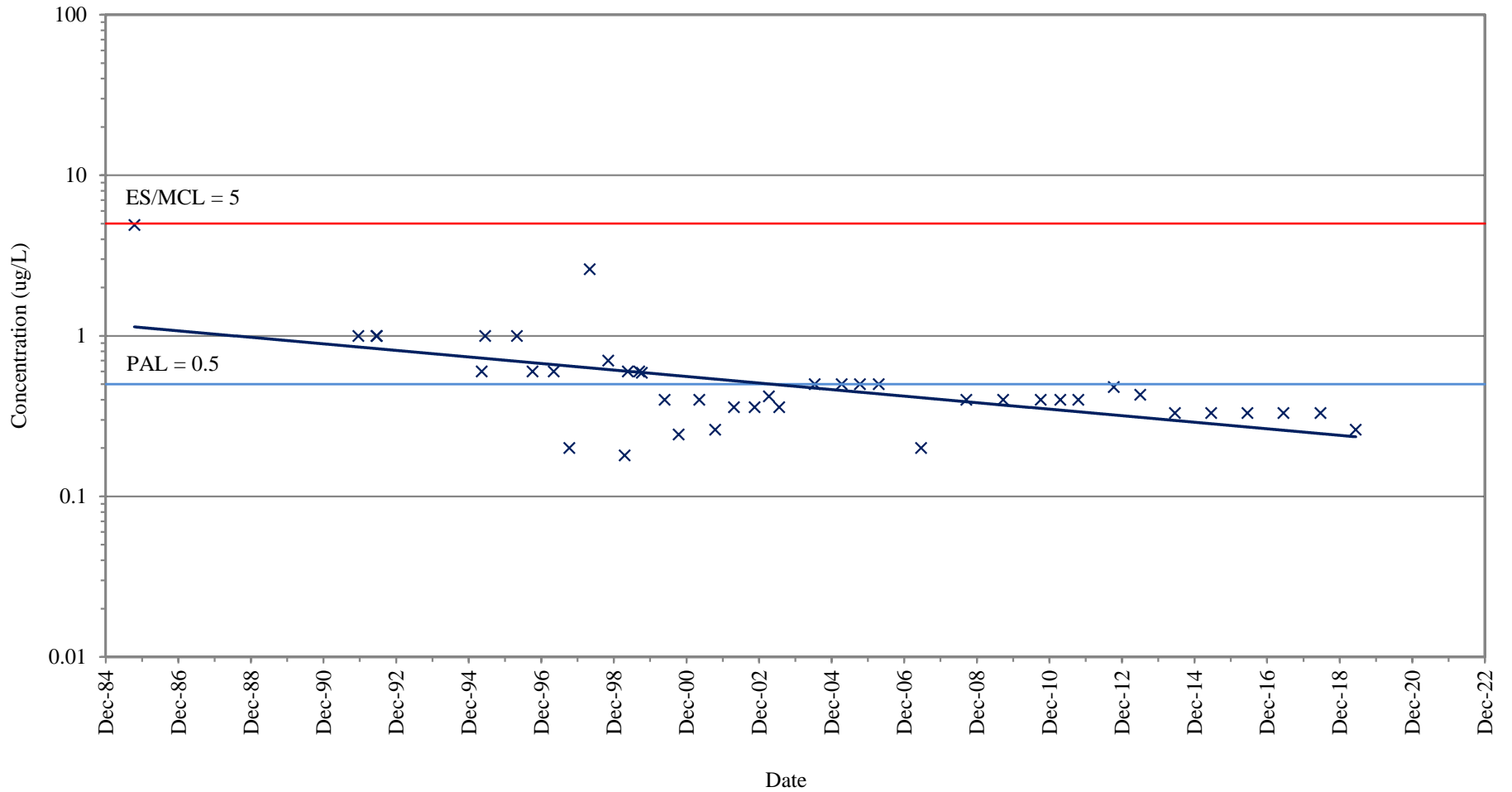
	Volatiles	Dissolved	Volatile
	SW846	Cadmium	
SAMPLE ID	8260B	6010	524.2
EW-6	✓		
EW-6 DUP	✓		
MH-18	✓		
MW-4B	✓		
MW-10A		✓	
MW-34A	✓		
MW-68A	✓		
MW-68B	✓		
MW-70A	✓		
MW-76A	✓		
MW-76A DUP	✓		
MW-77A	✓		
MW-77B	✓		
RW-3A	✓		
RW-3A DUP	✓		
RW-3B	✓		
RW-3C	✓		
TRIP BLANK	✓		
CW-15			✓
CW-19			✓
CW-22			✓
CW-23			✓
RAW			✓
TOWER A			✓
TOWER B			✓
FINISHED PRODUCT			✓
Total	17	1	8

APPENDIX D

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



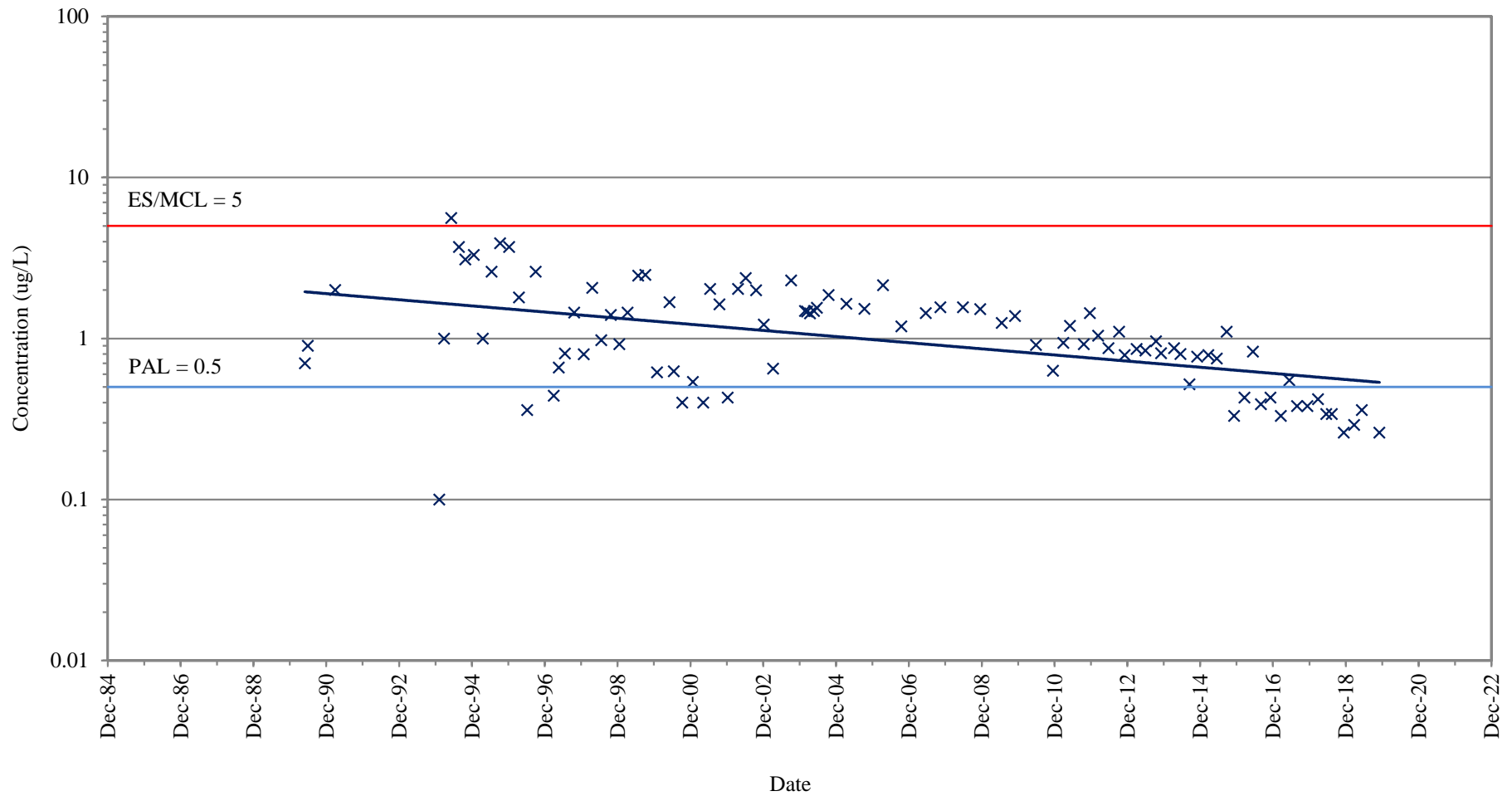




Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS
EC-6 (GRID COORDINATE C7)

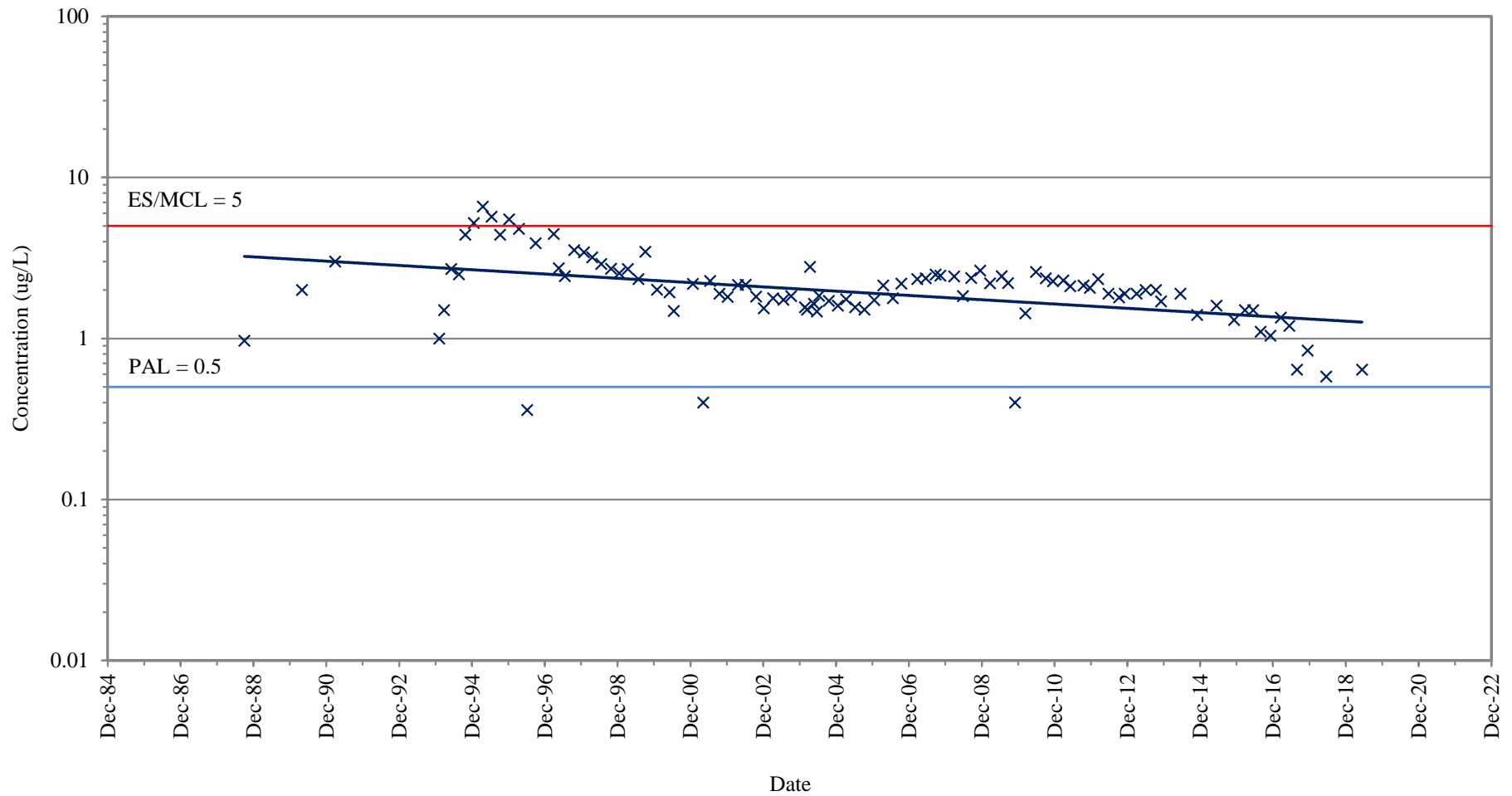
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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
MW-4B (GRID COORDINATE K7)

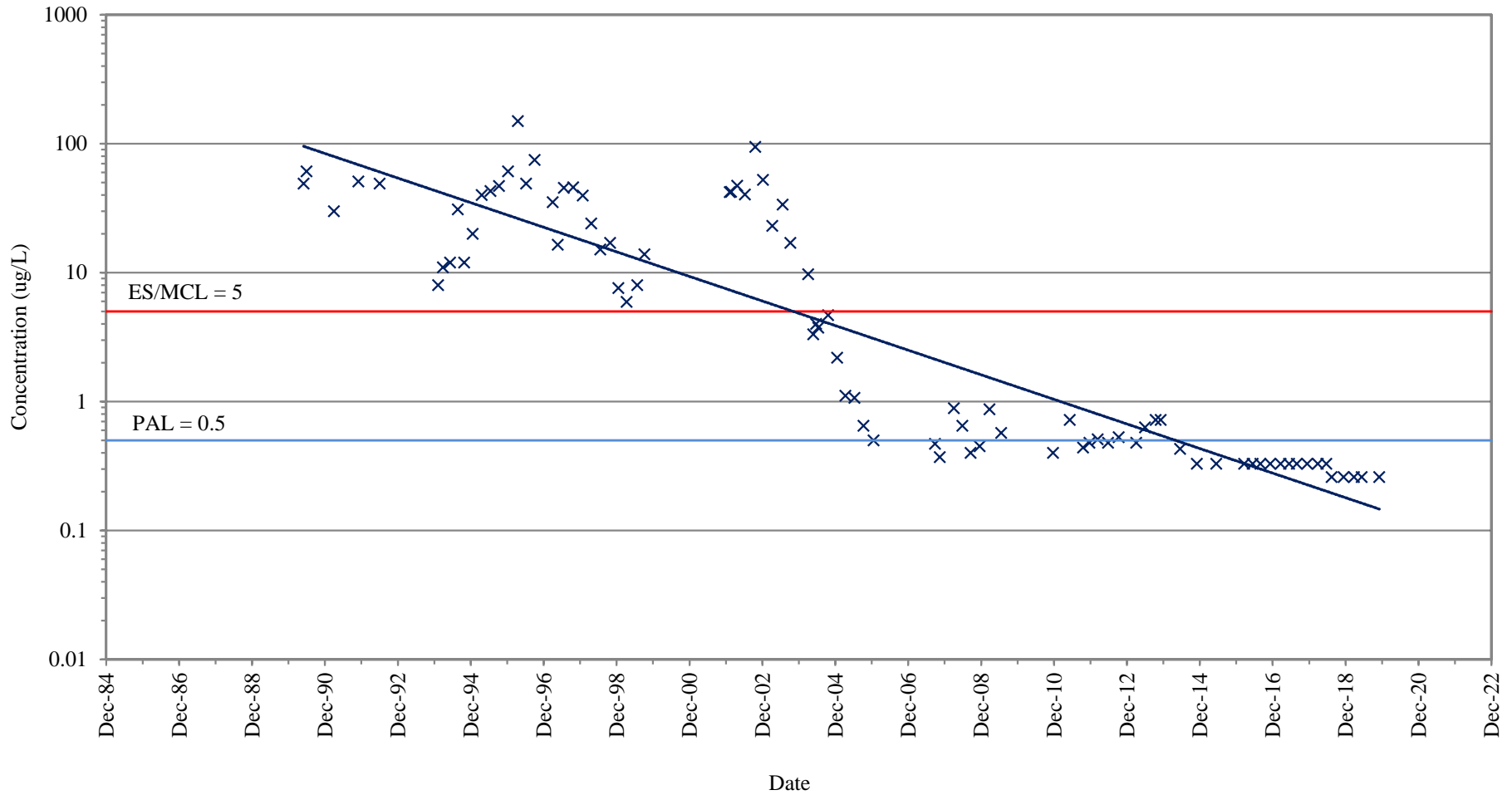
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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)

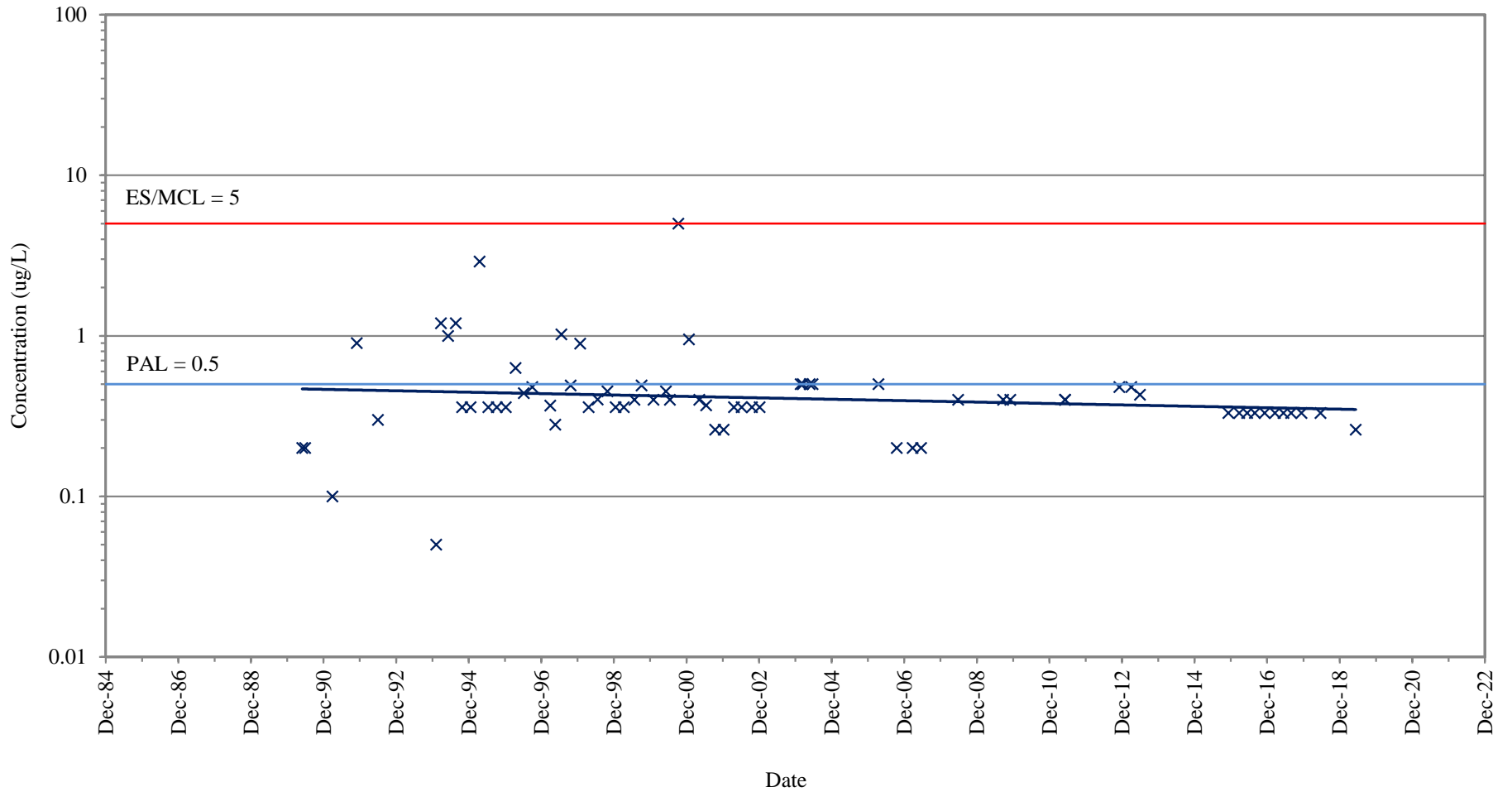
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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-34A (GRID COORDINATE K8)

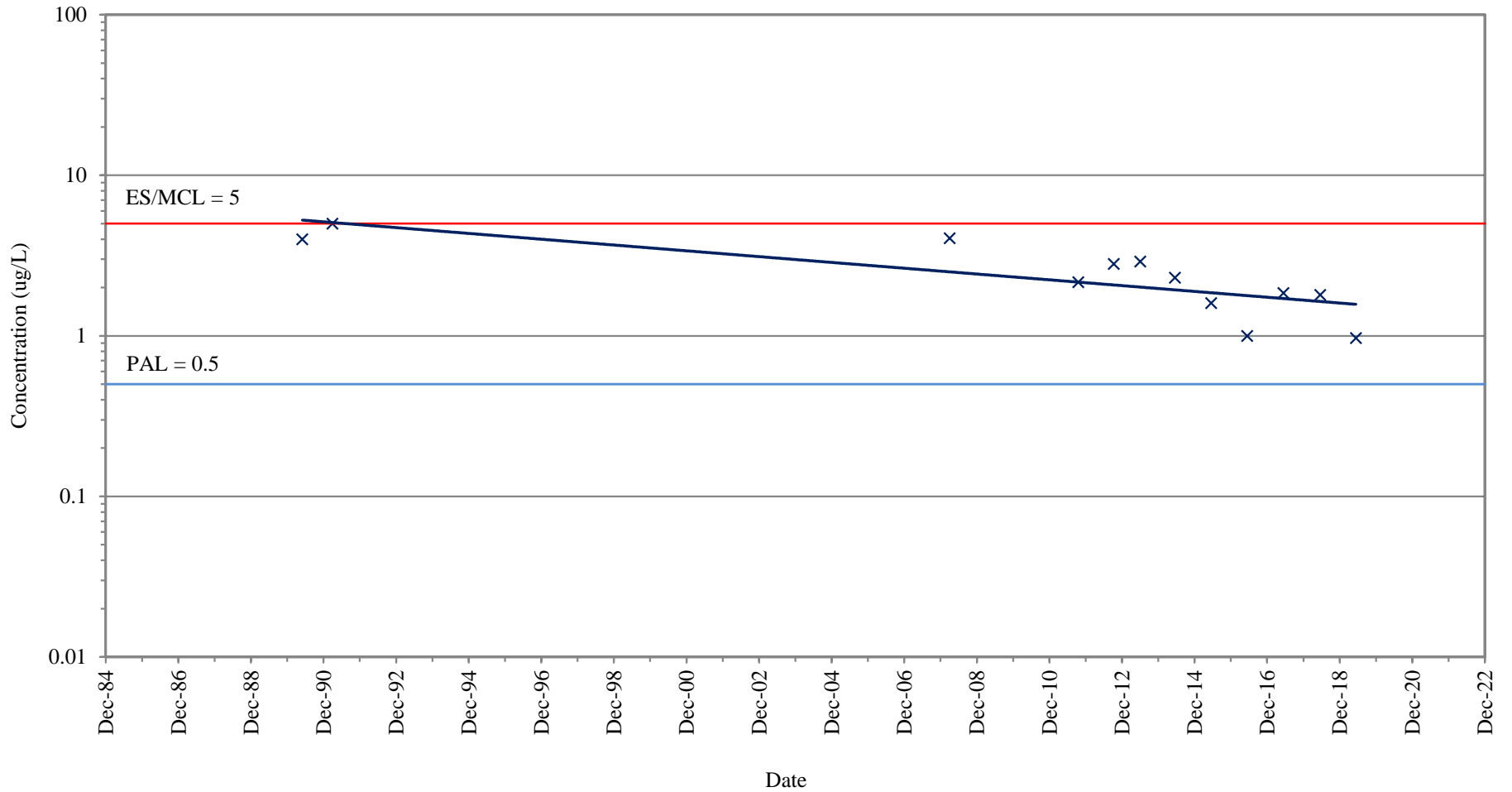
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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

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

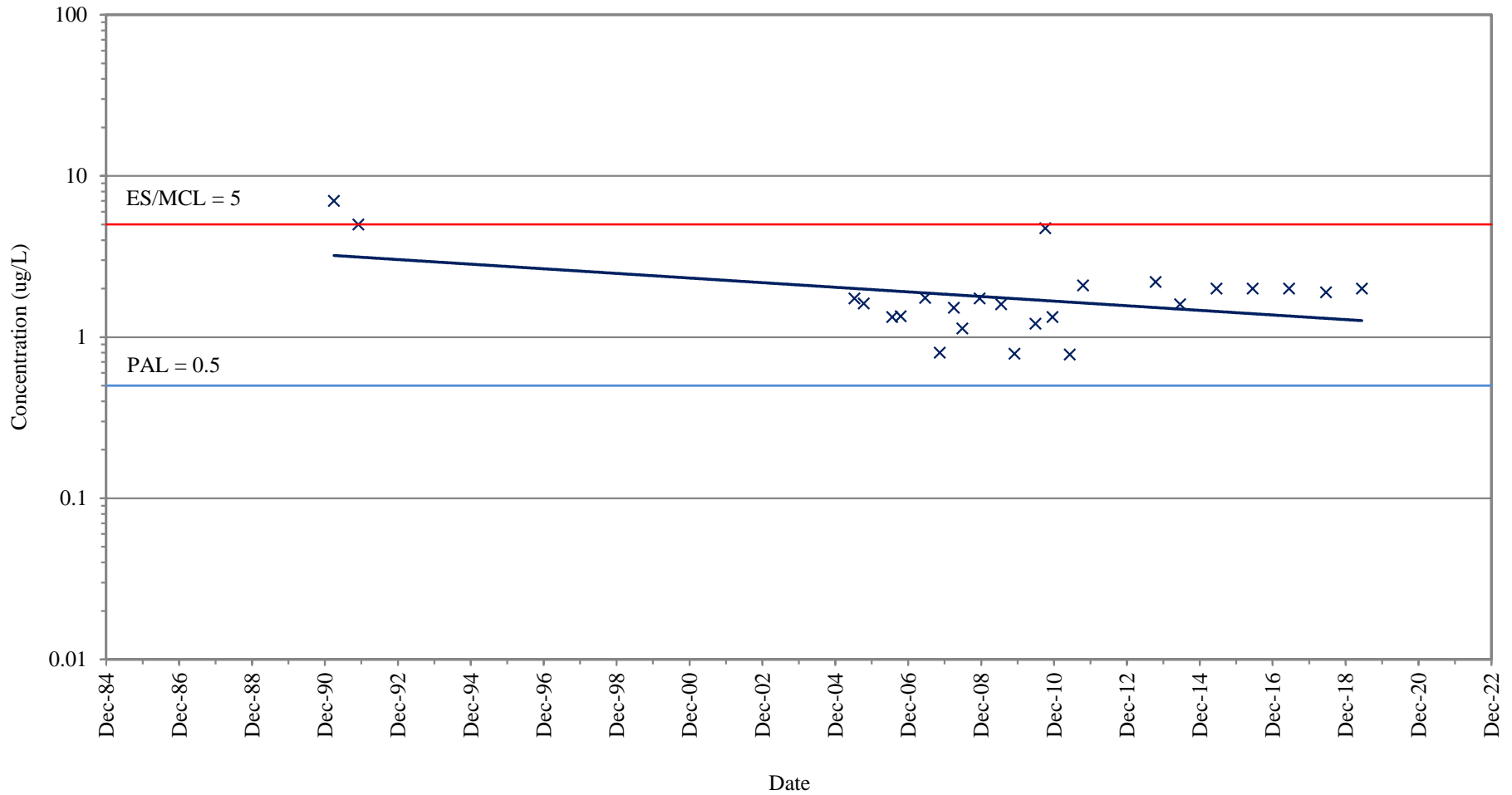
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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

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

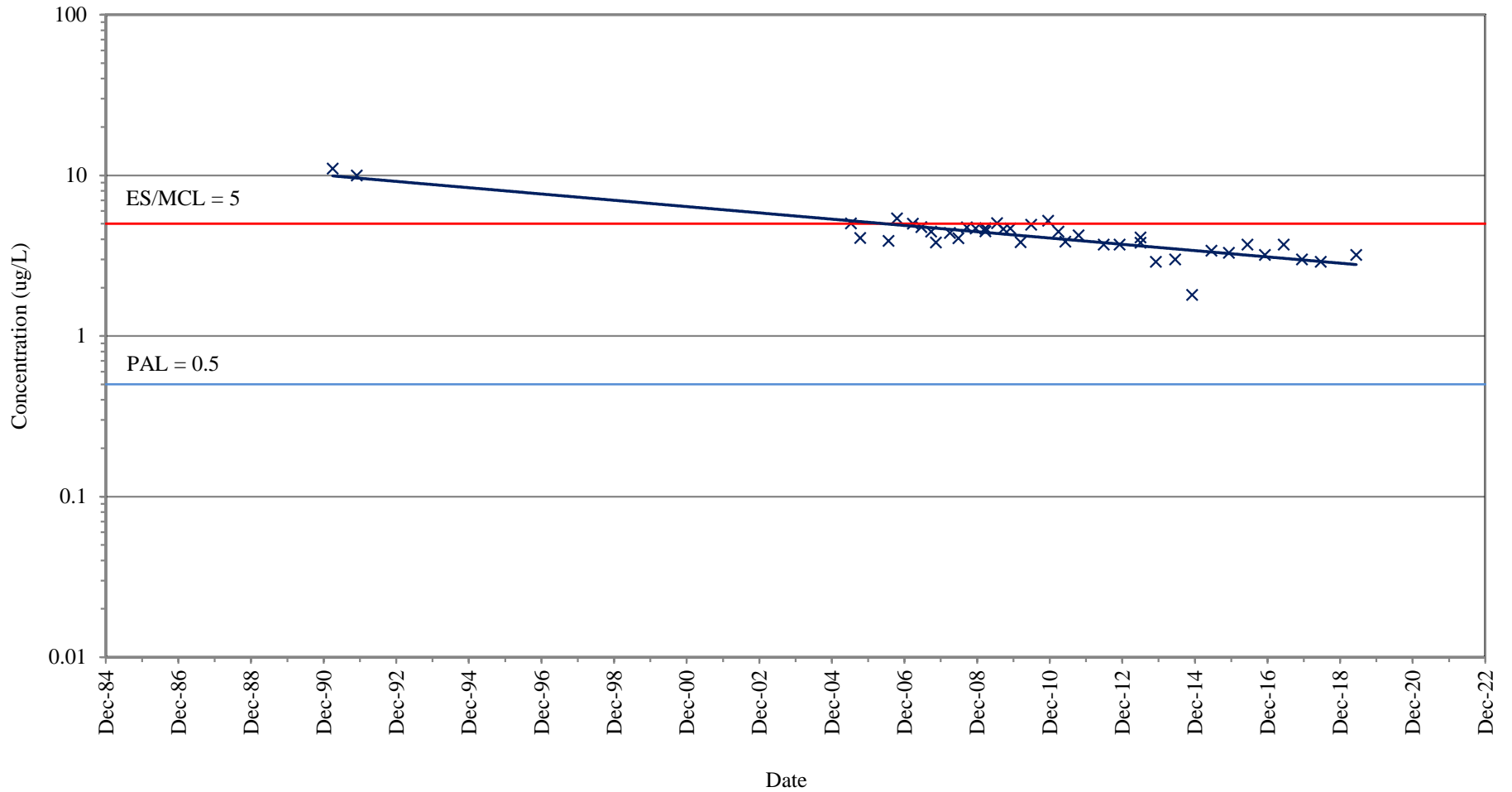
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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

PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS
MW-38A (GRID COORDINATE I8)

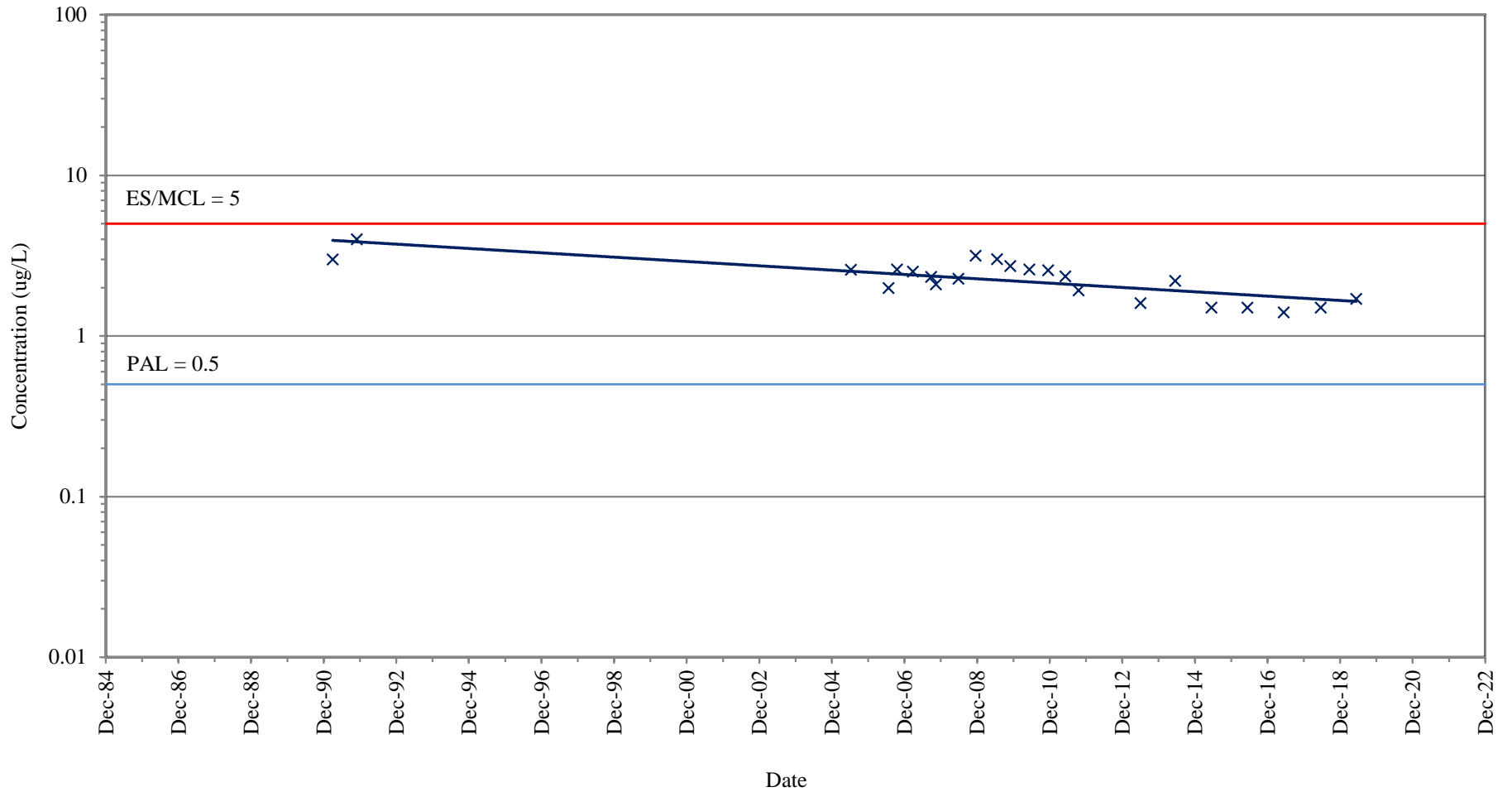
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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

PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS
MW-38B (GRID COORDINATE I8)

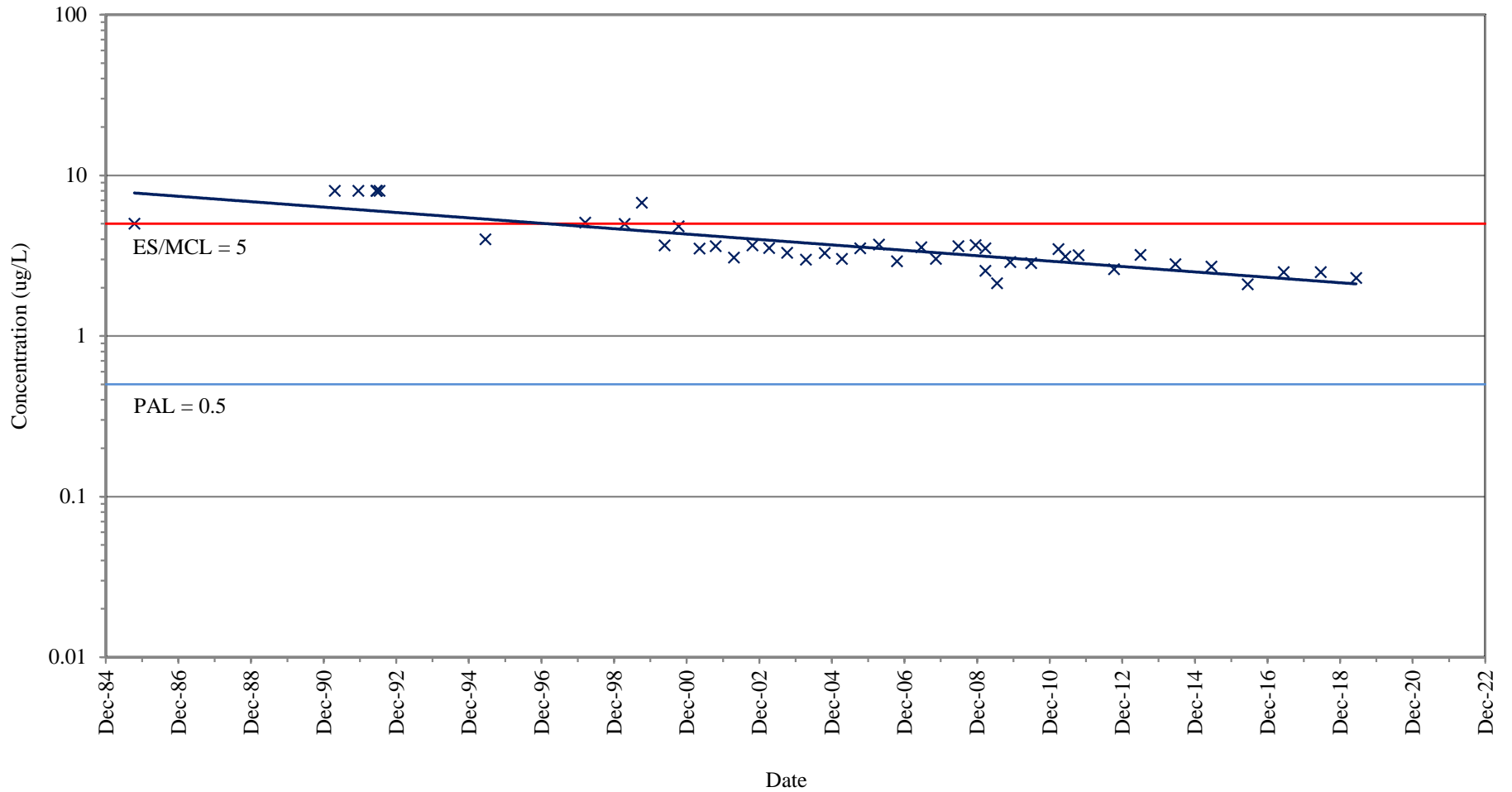
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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

PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS
MW-38C (GRID COORDINATE I8)

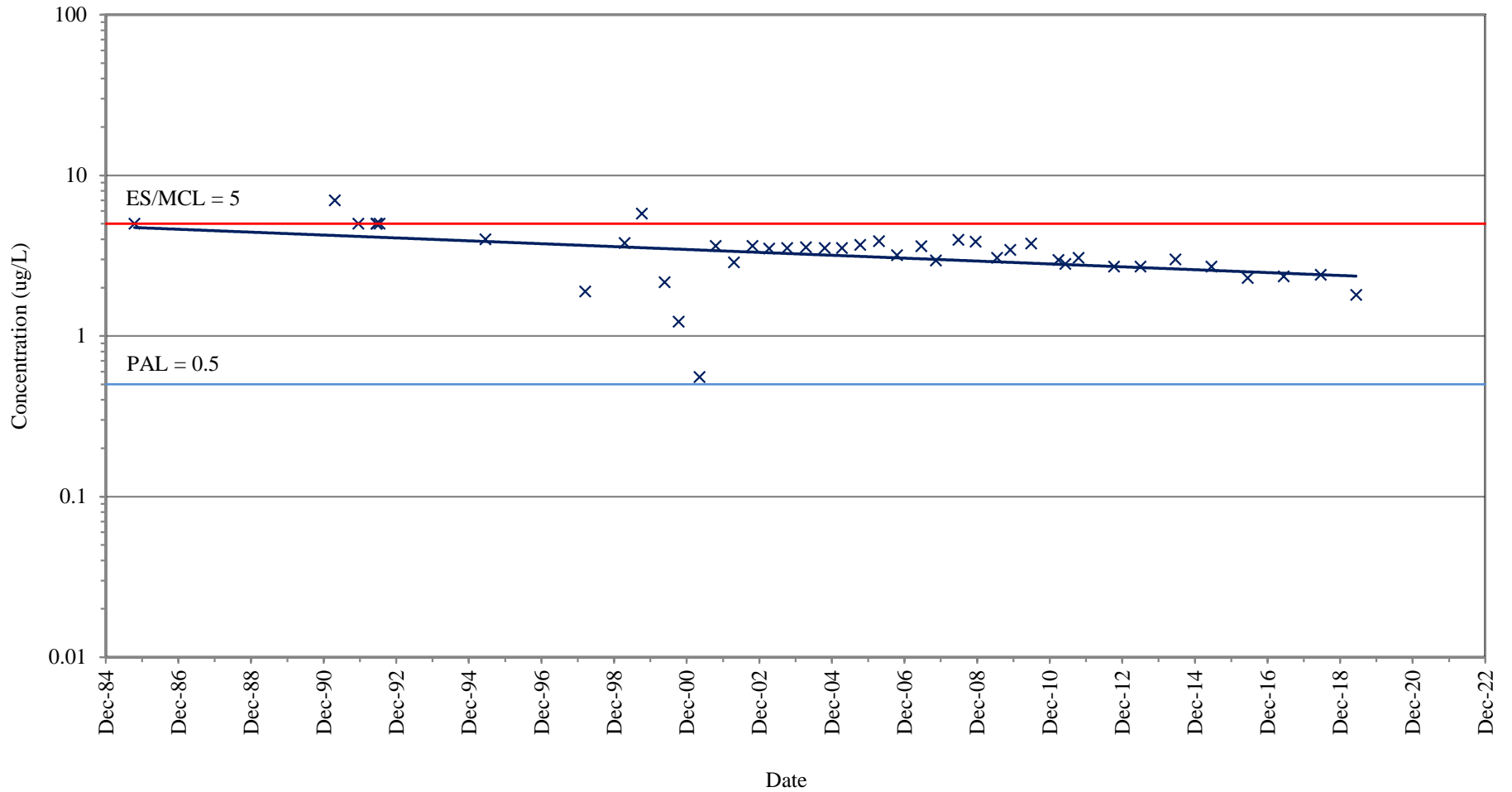
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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

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

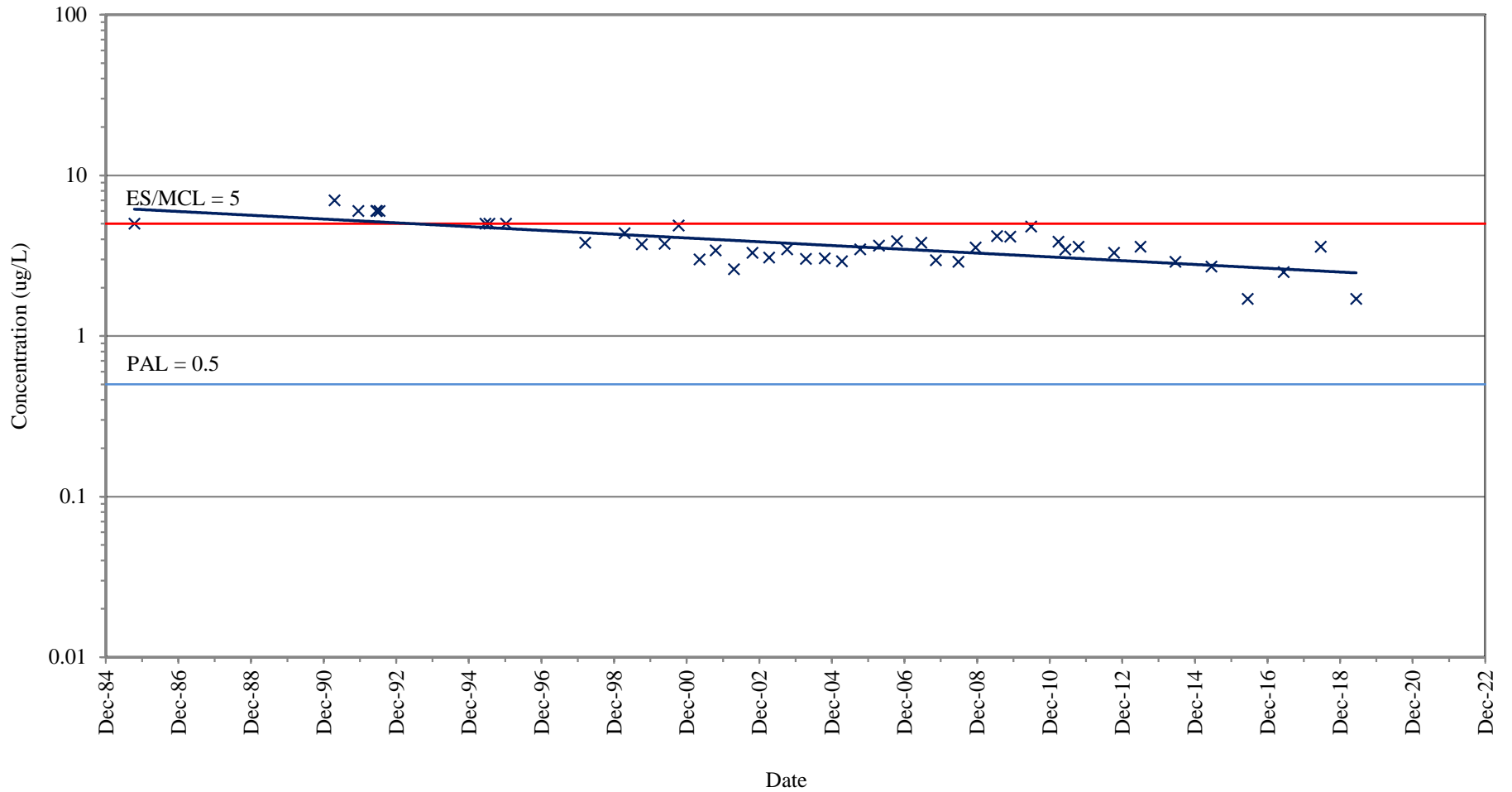
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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

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

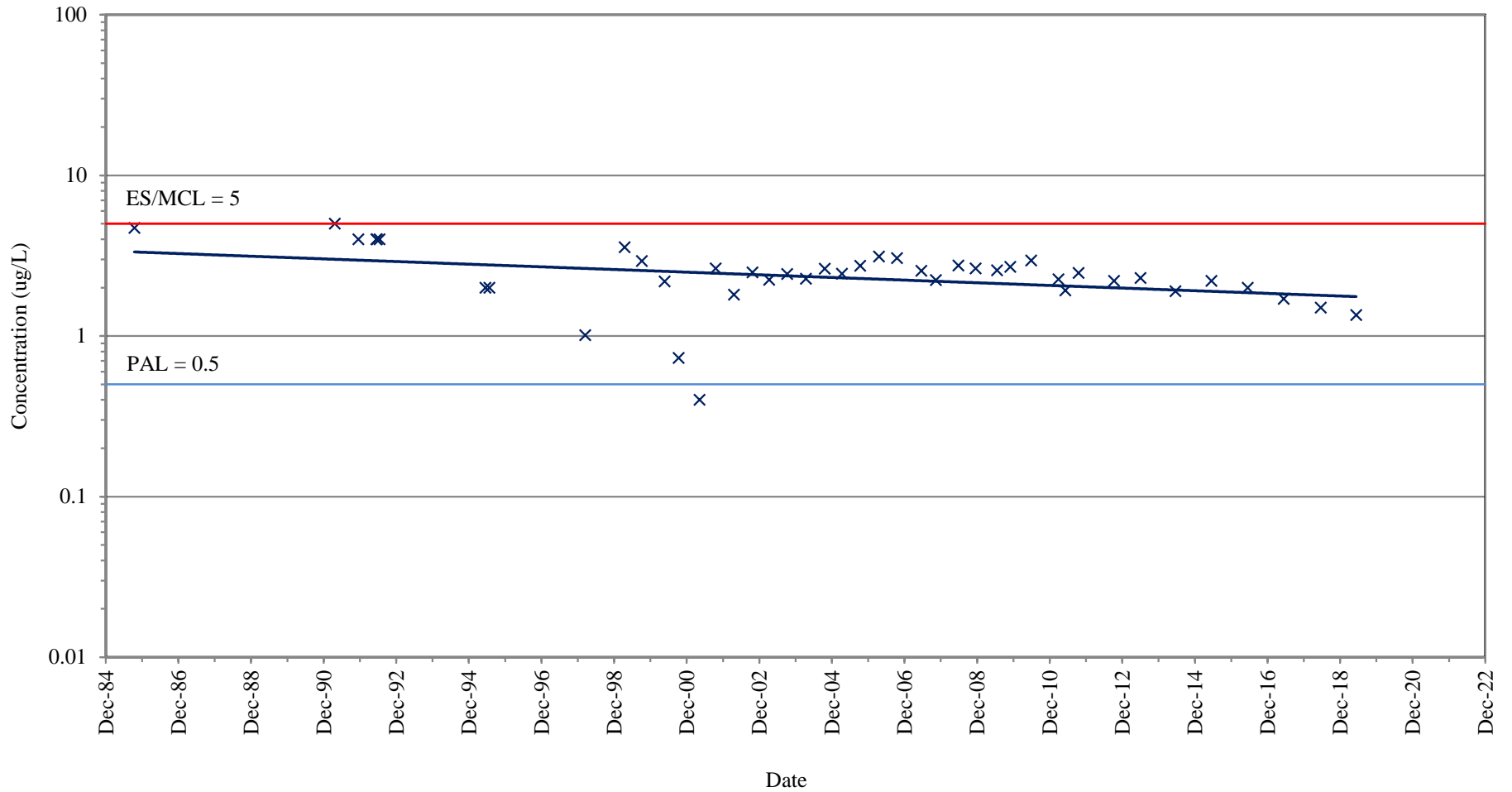
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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

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

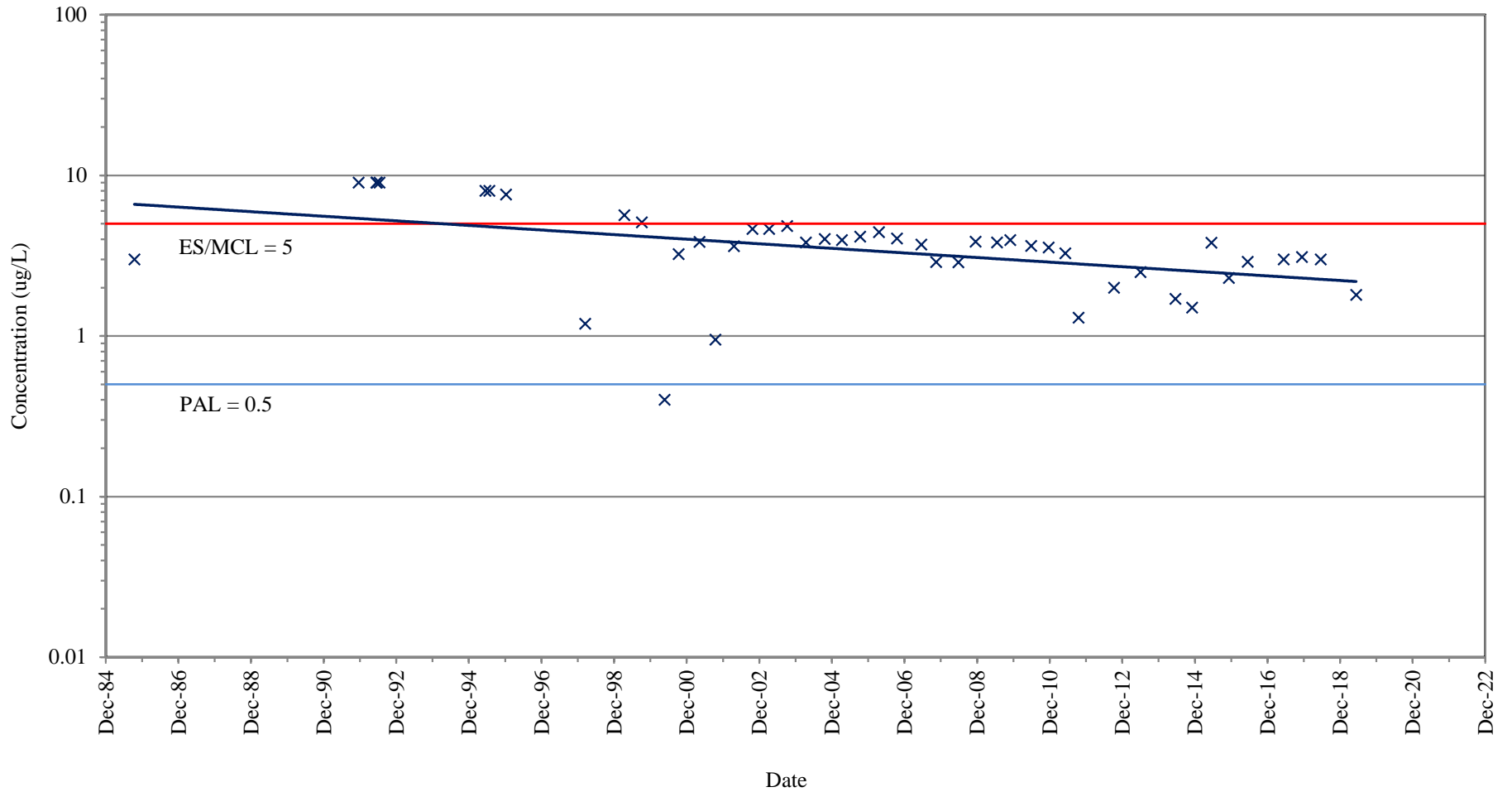
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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

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

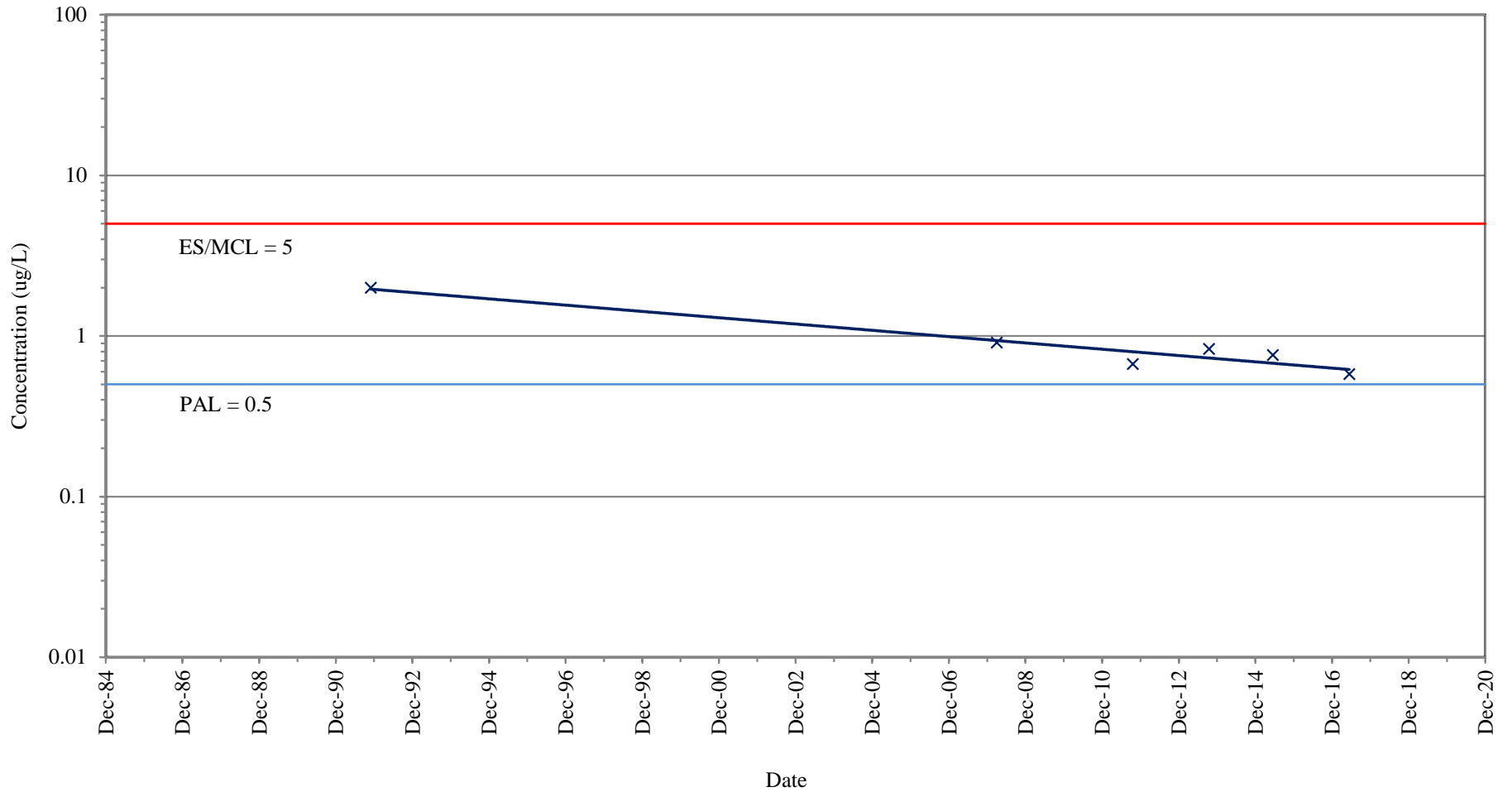
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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

PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS
MW-45C (GRID COORDINATE F6)

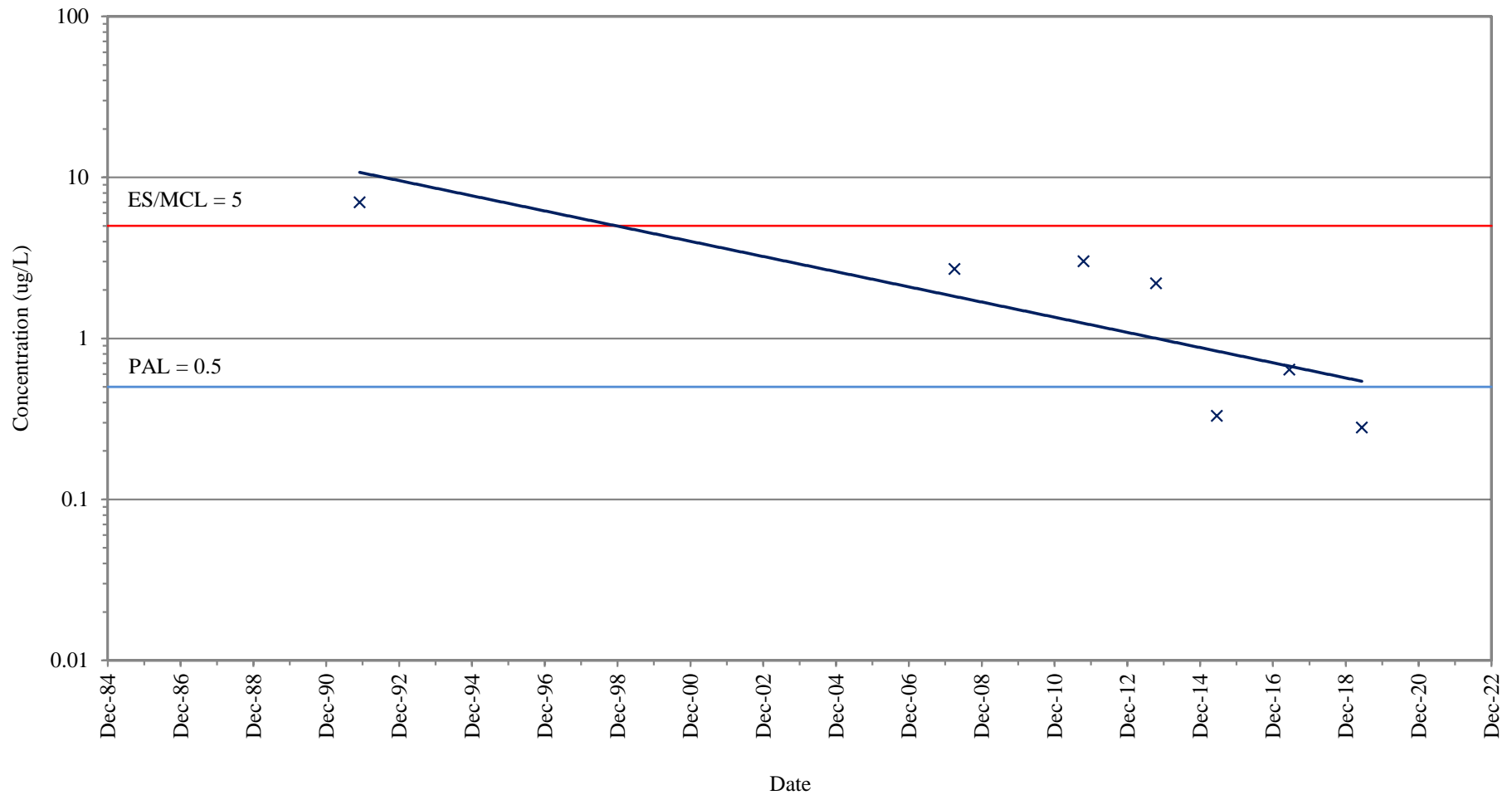
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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

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

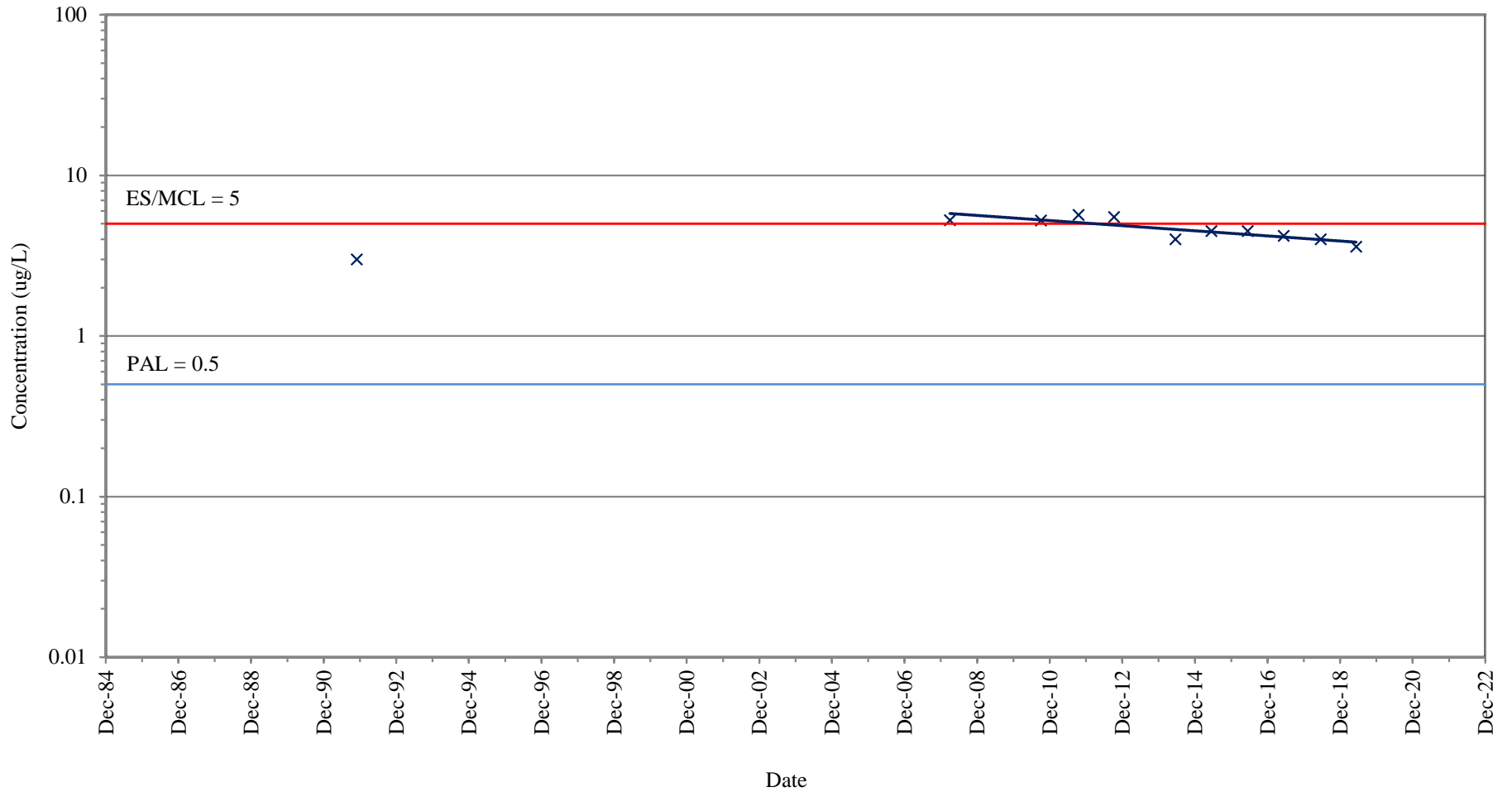
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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

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

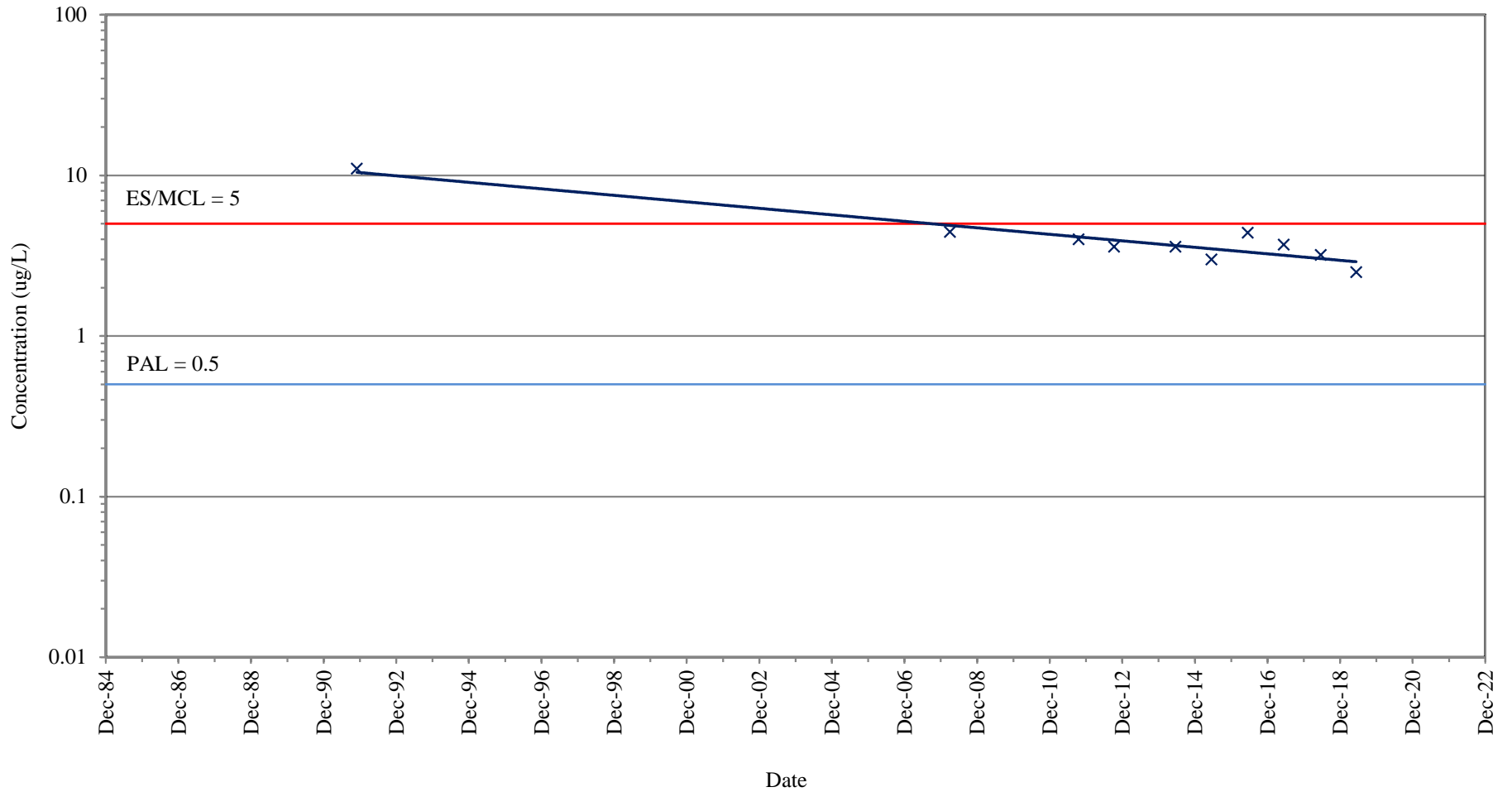
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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

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

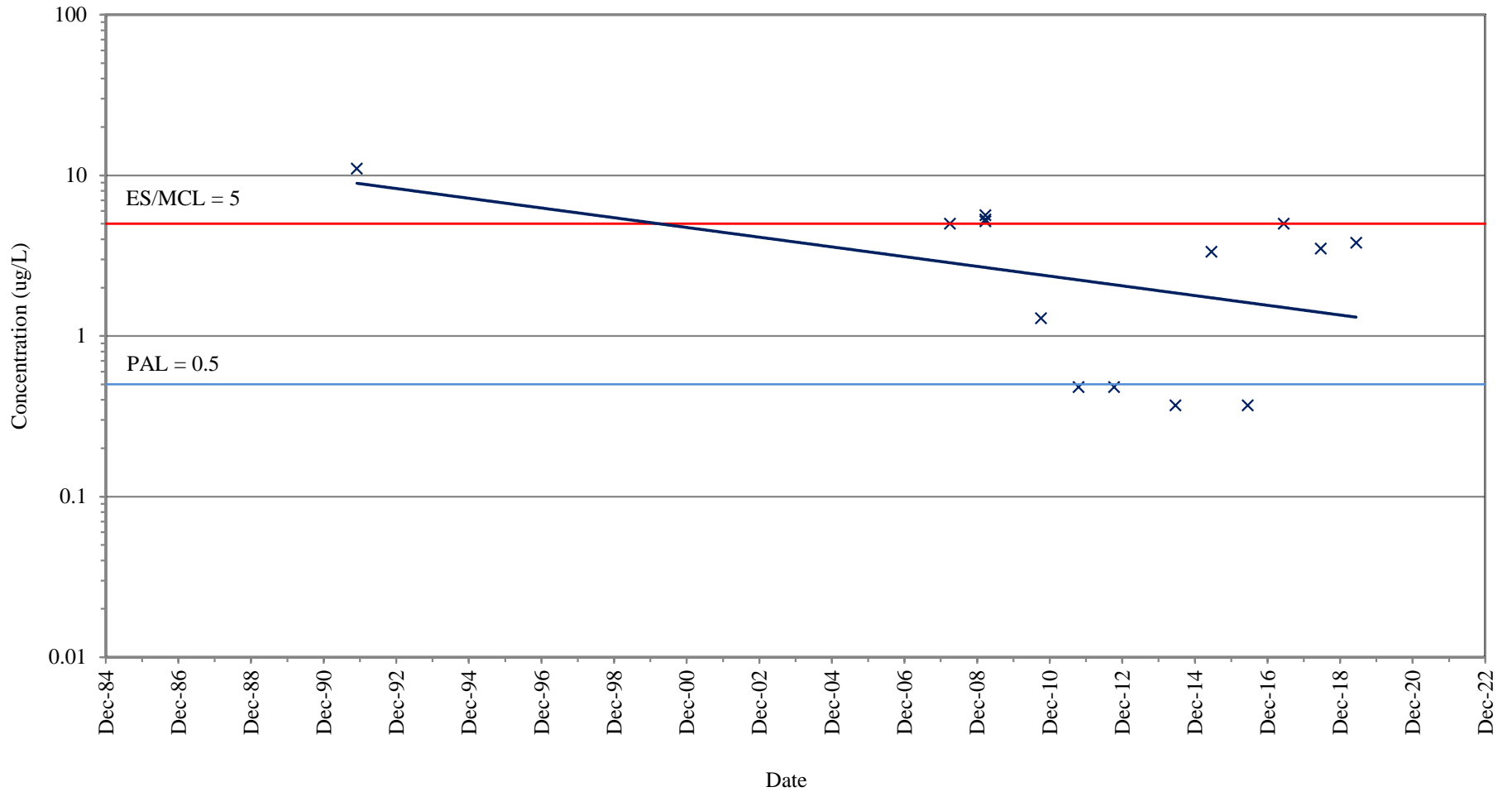
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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

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

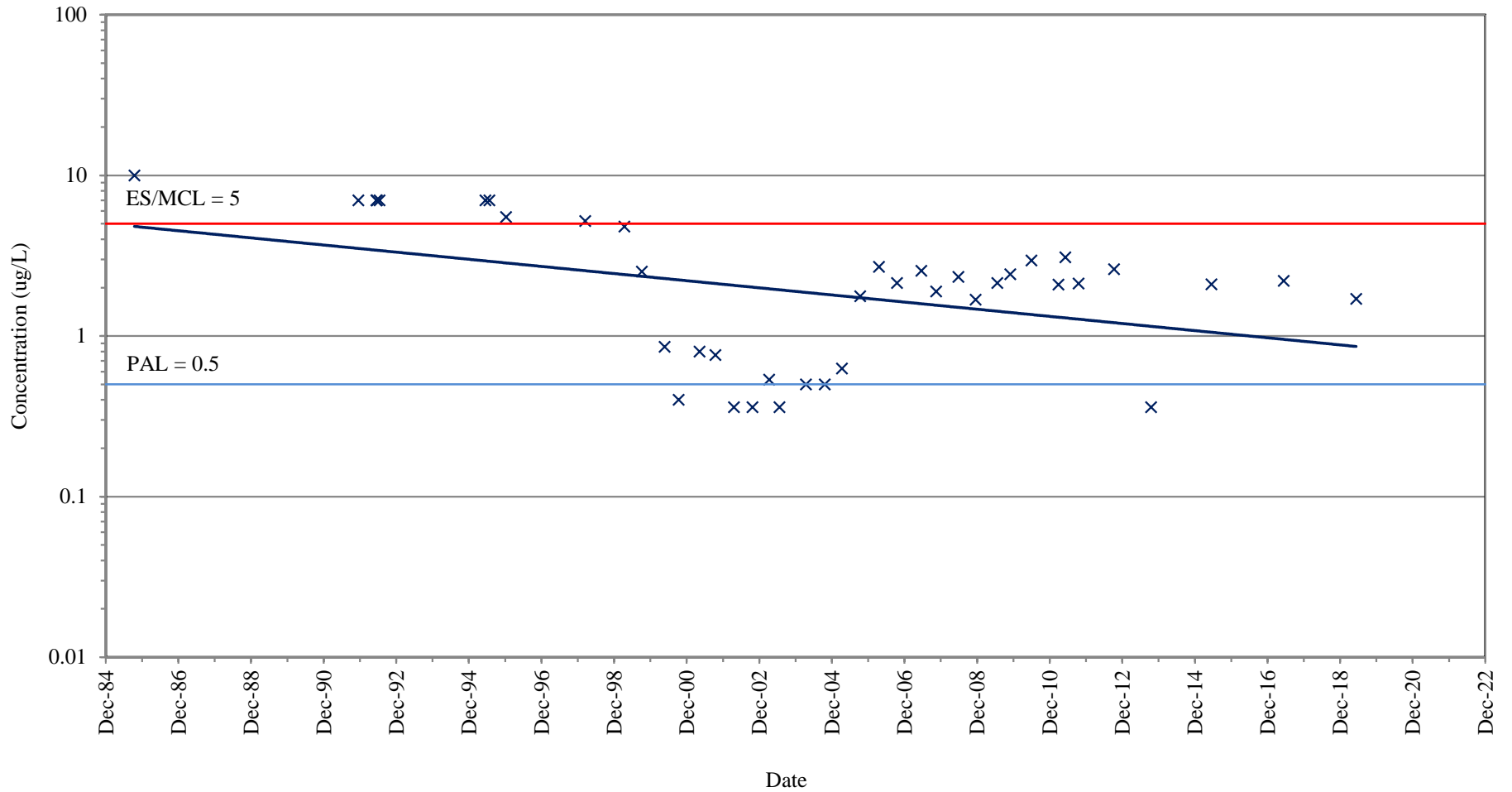
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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

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

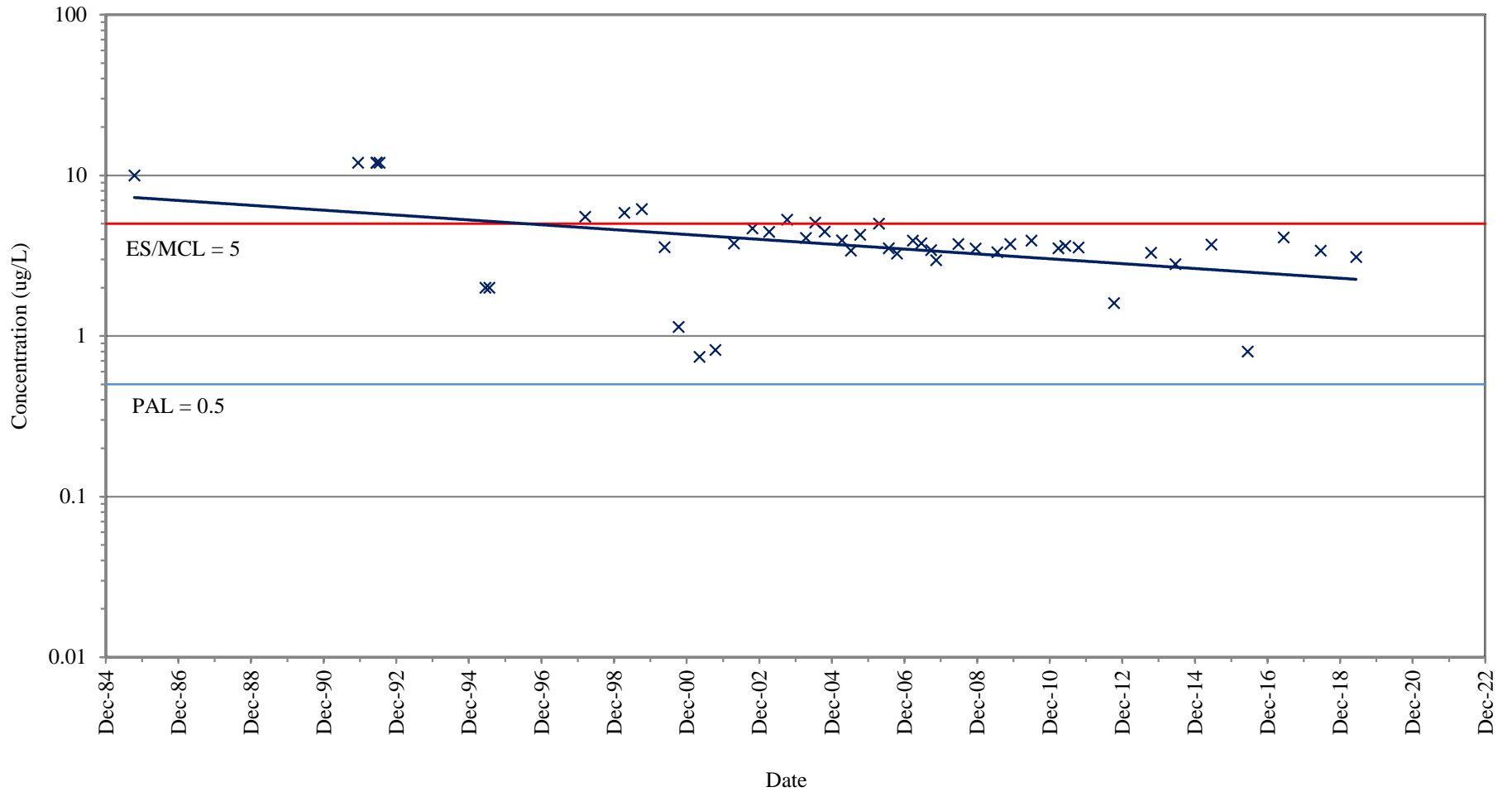
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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

PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS
MW-53A (GRID COORDINATE E6)

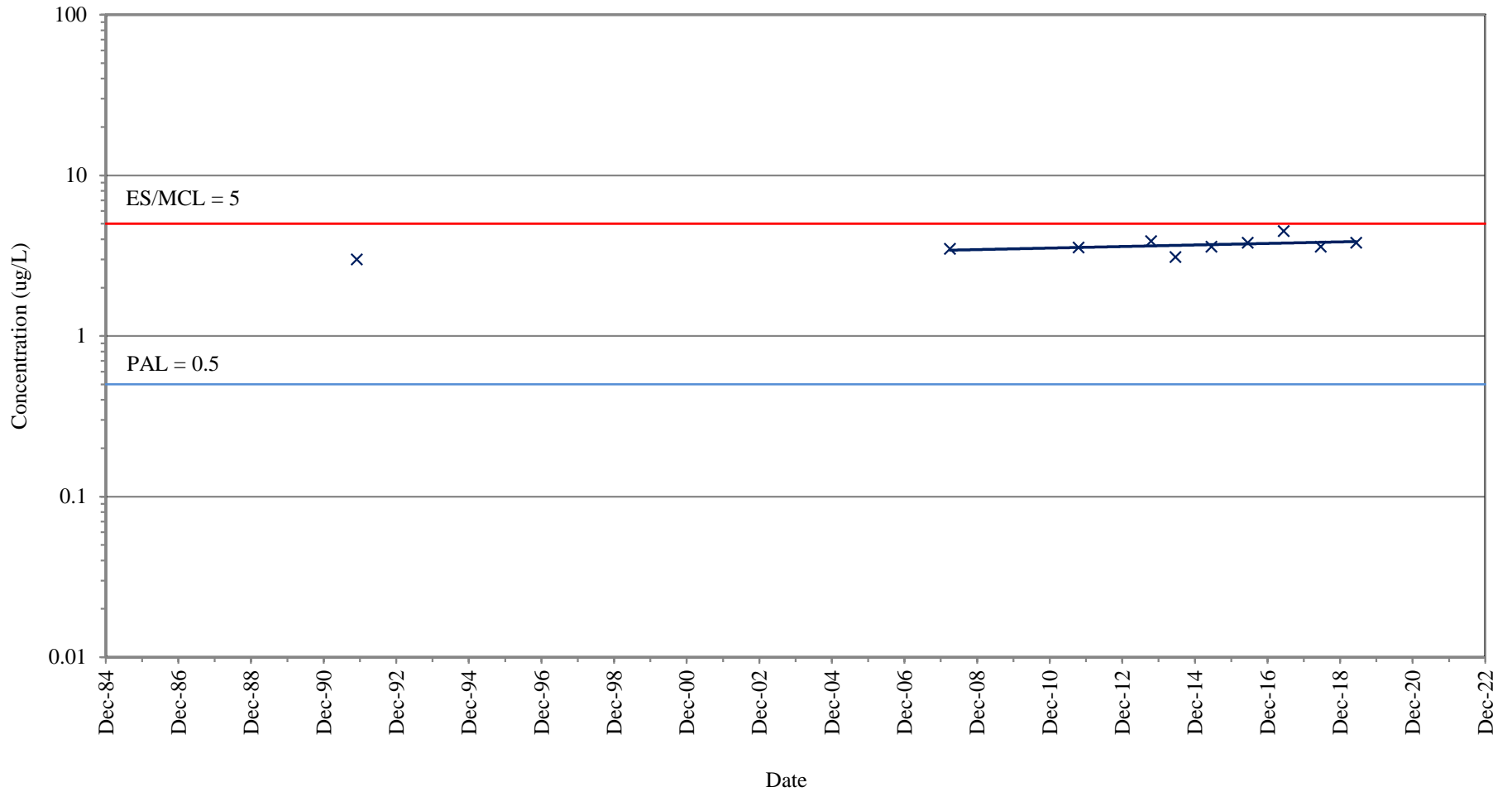
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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

PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS
MW-53B (GRID COORDINATE E6)

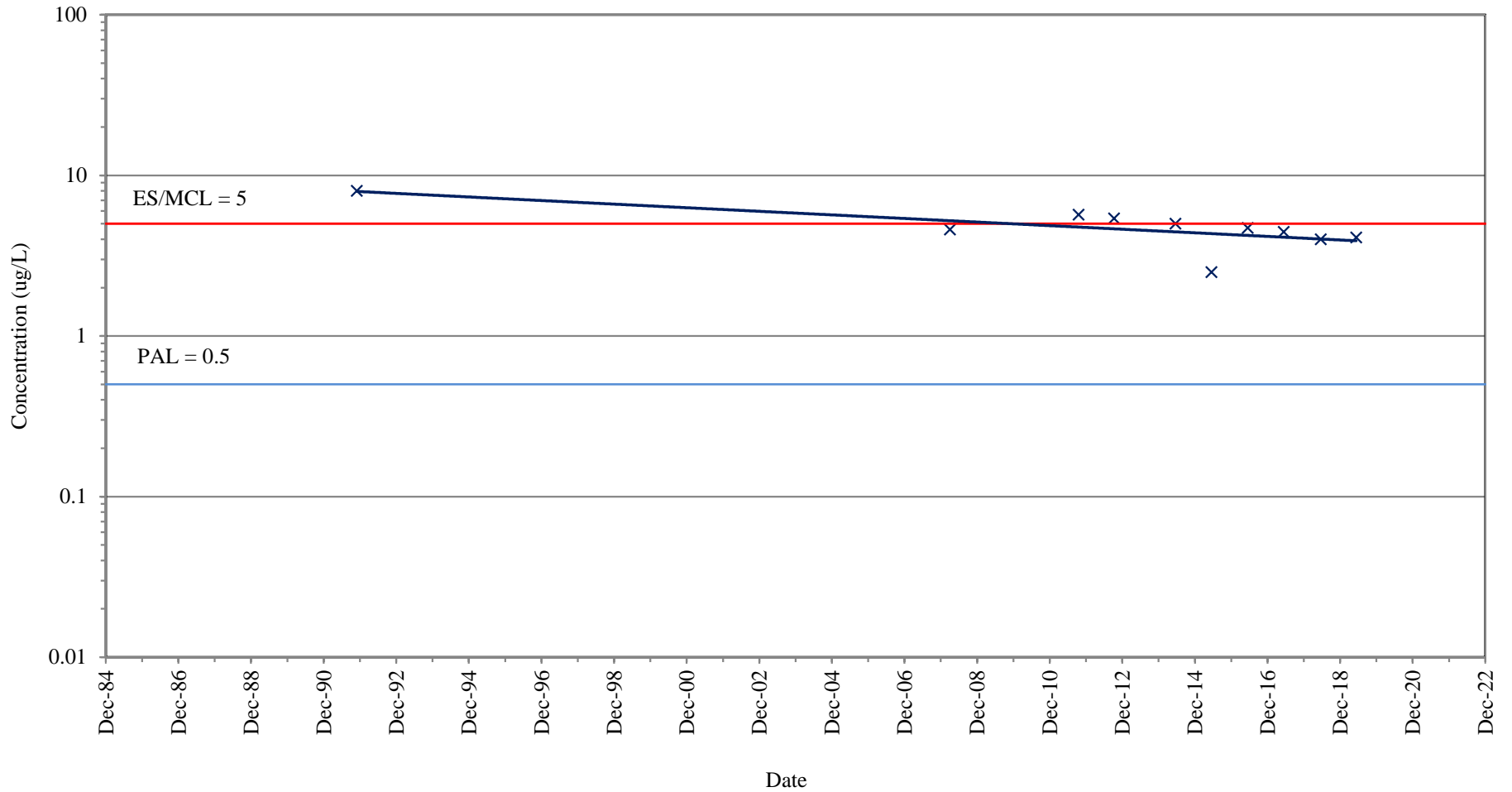
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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

PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS
MW-54B (GRID COORDINATE D6)

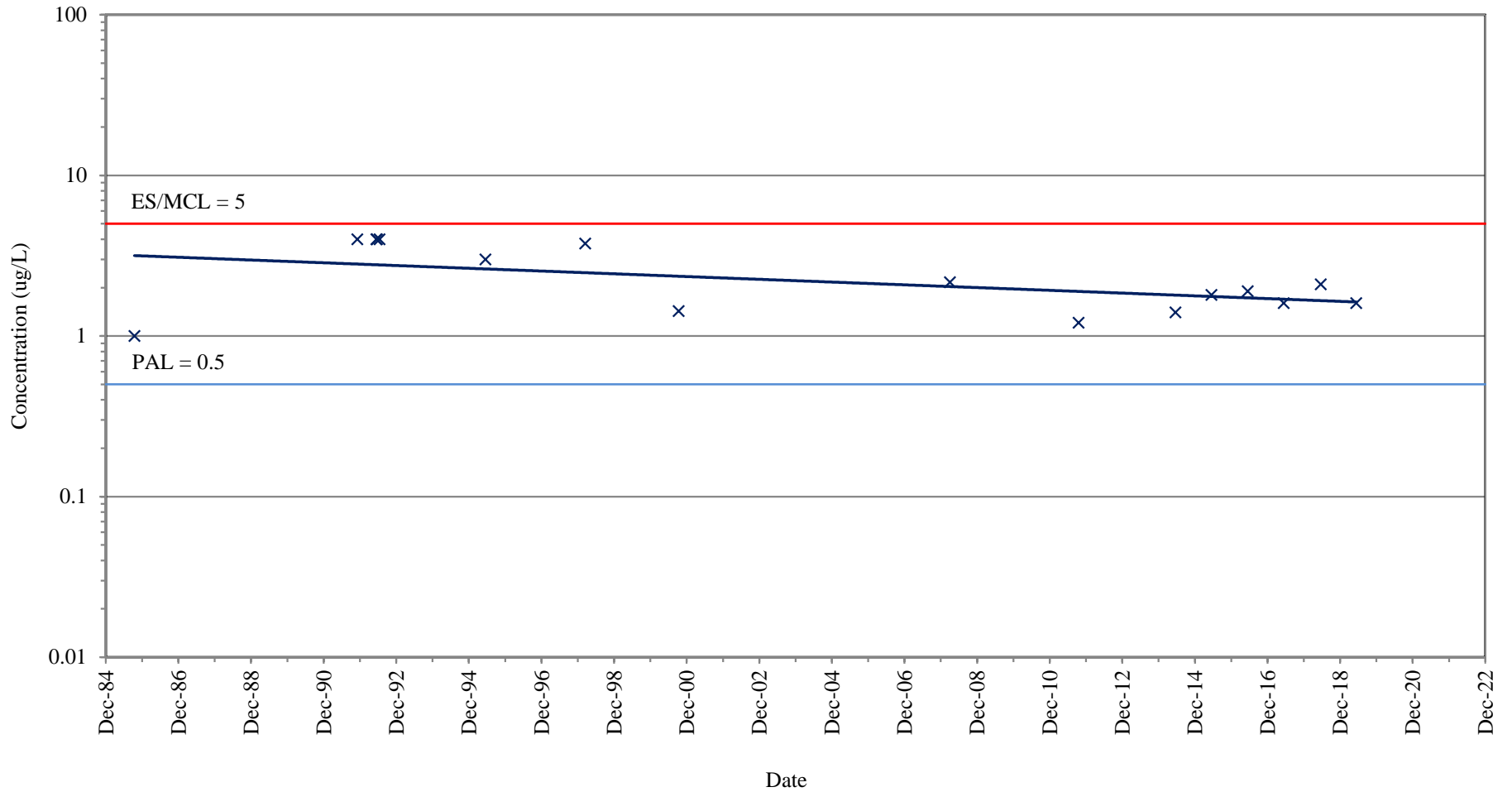
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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

PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS
MW-54C (GRID COORDINATE D6)

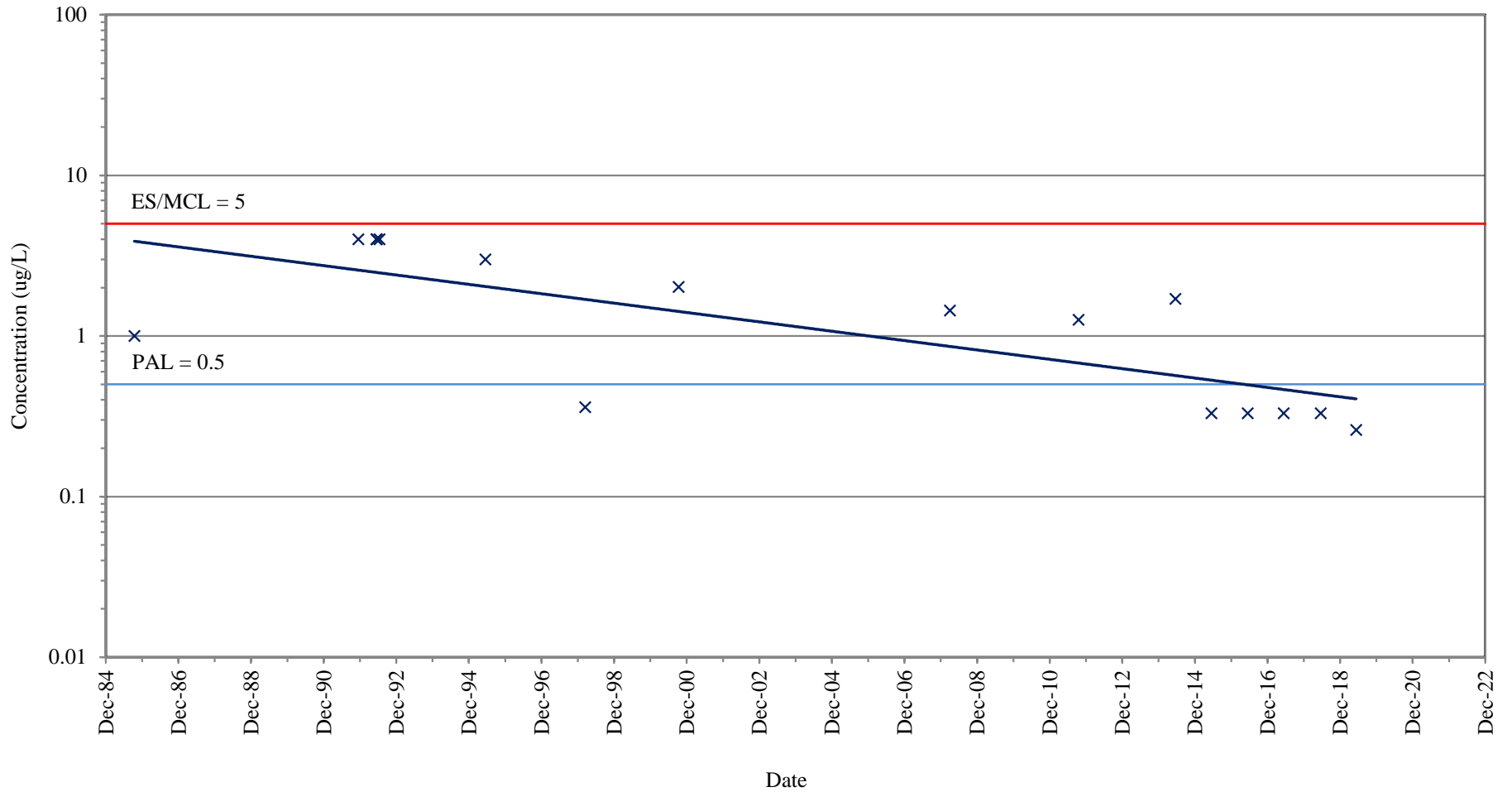
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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

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

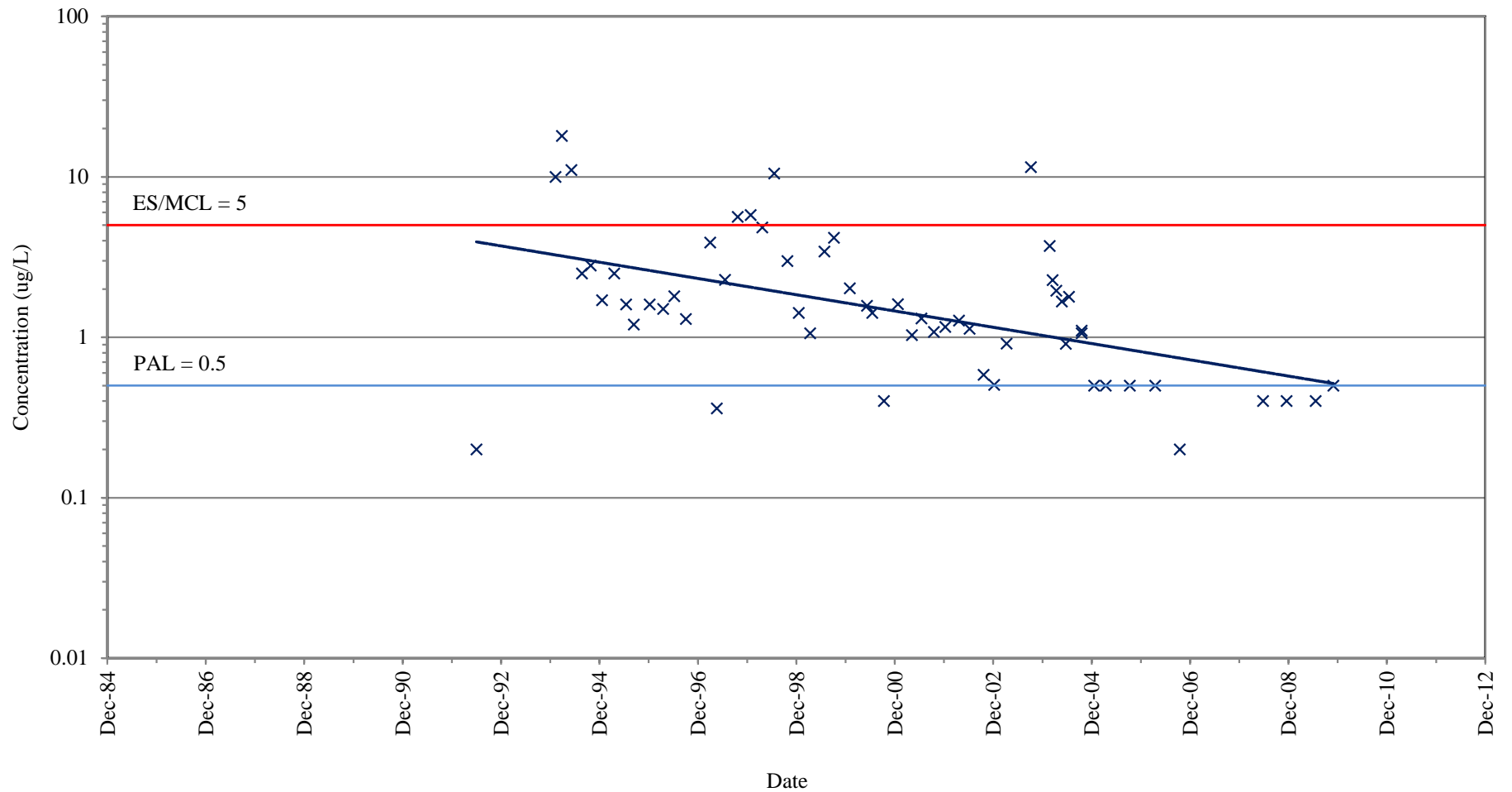
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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

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

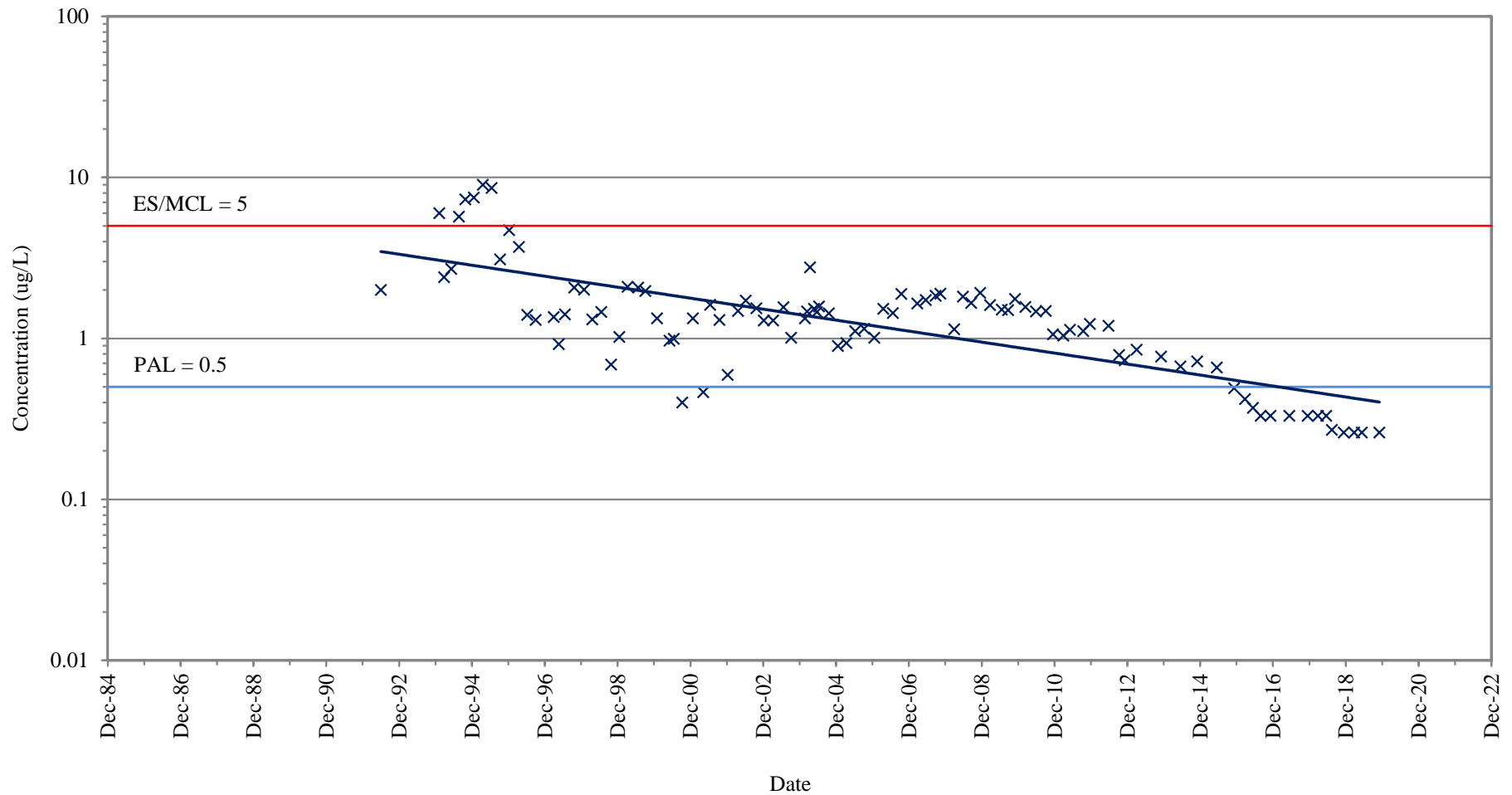
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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

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

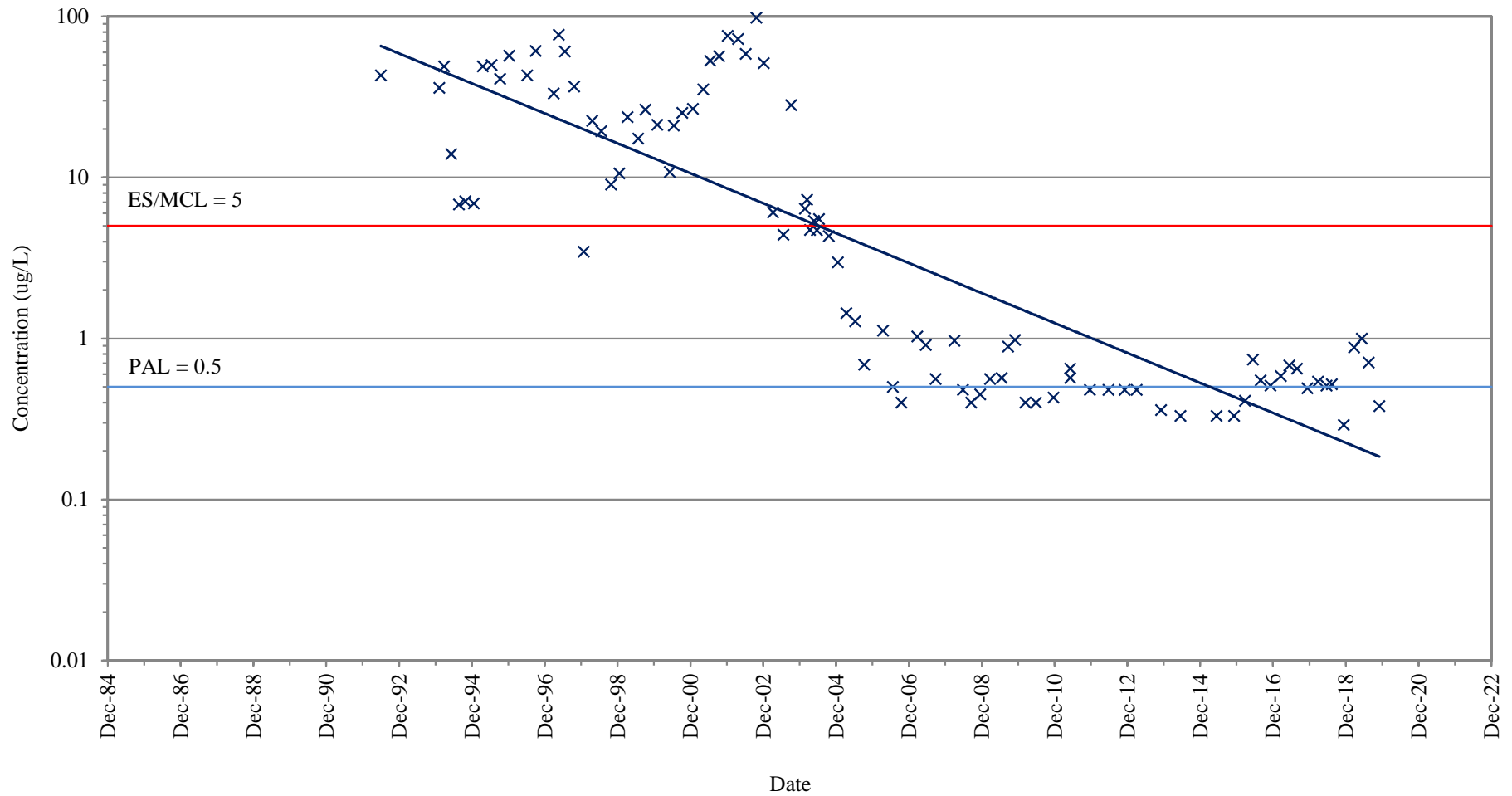
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN

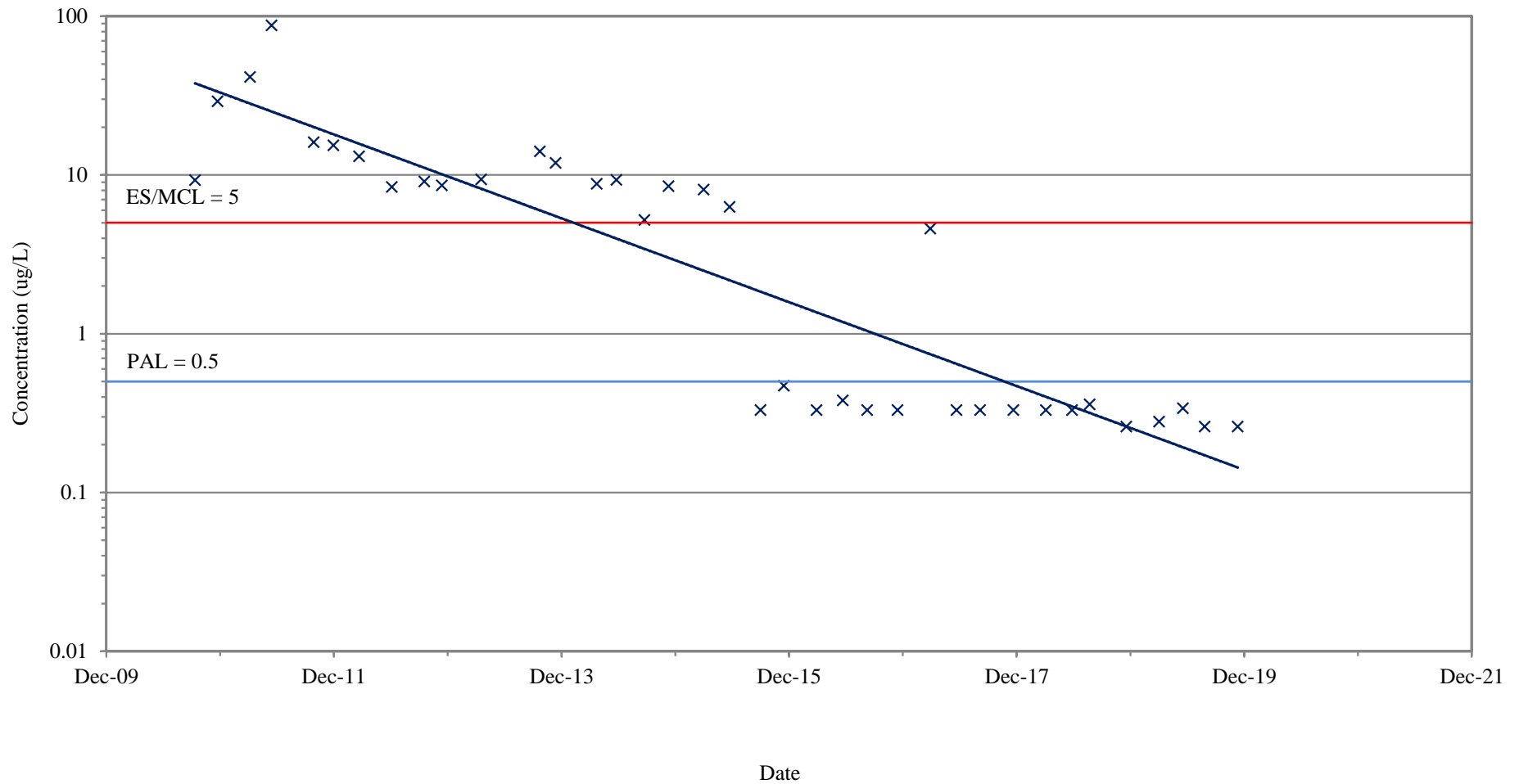


Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS
MW-68B (GRID COORDINATE J7)

NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN

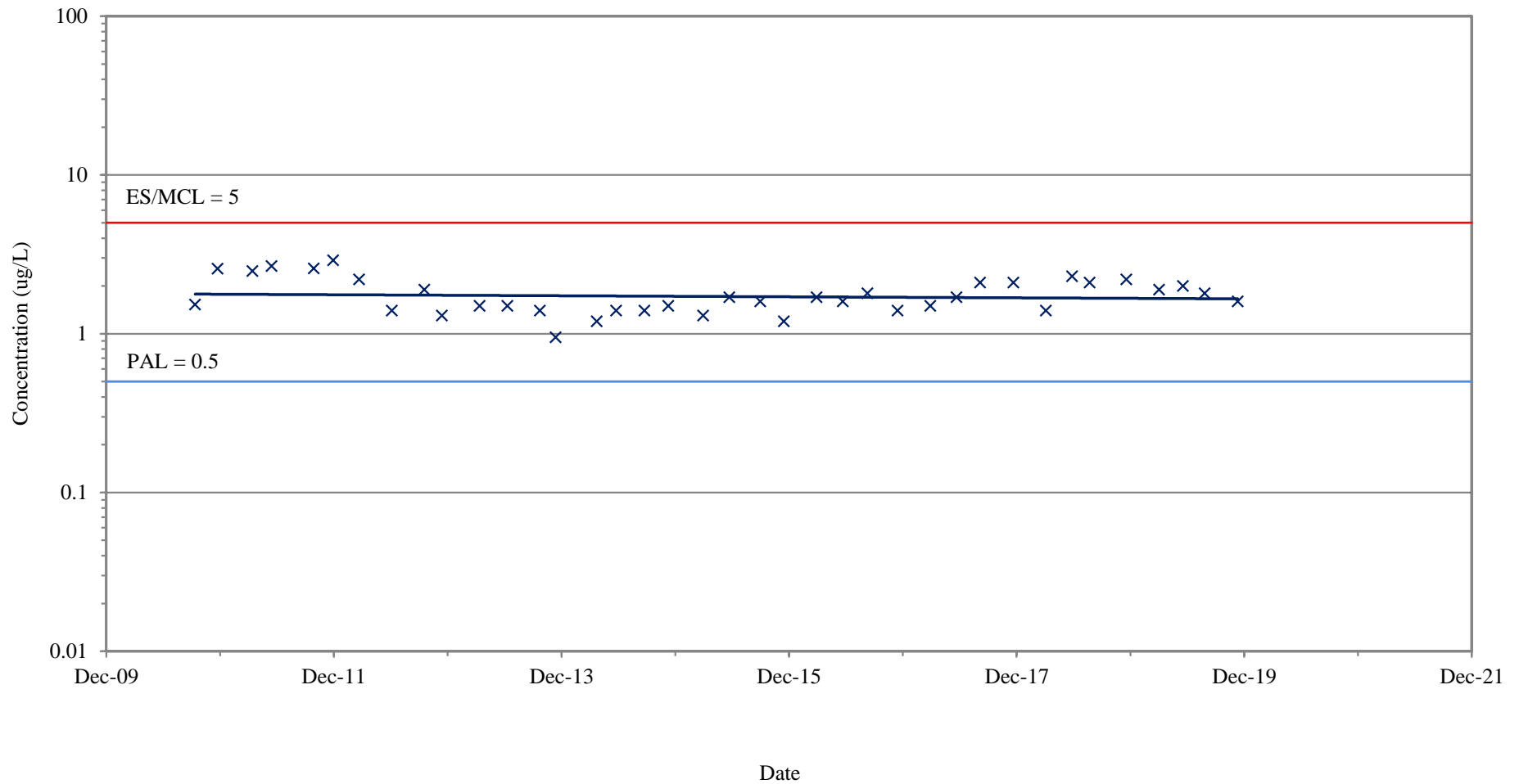




Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS
MW-76A (GRID COORDINATE K7)

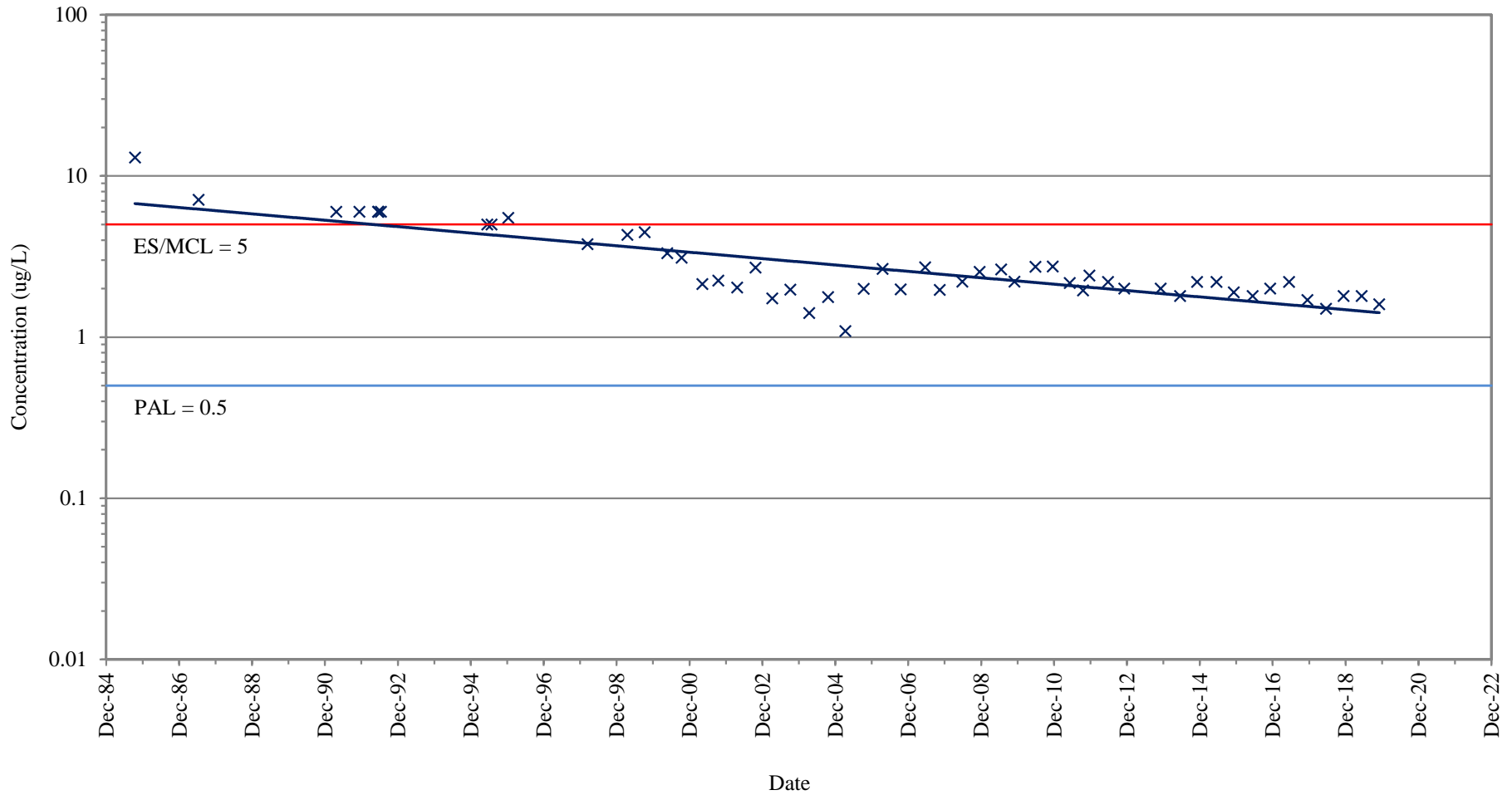
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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)

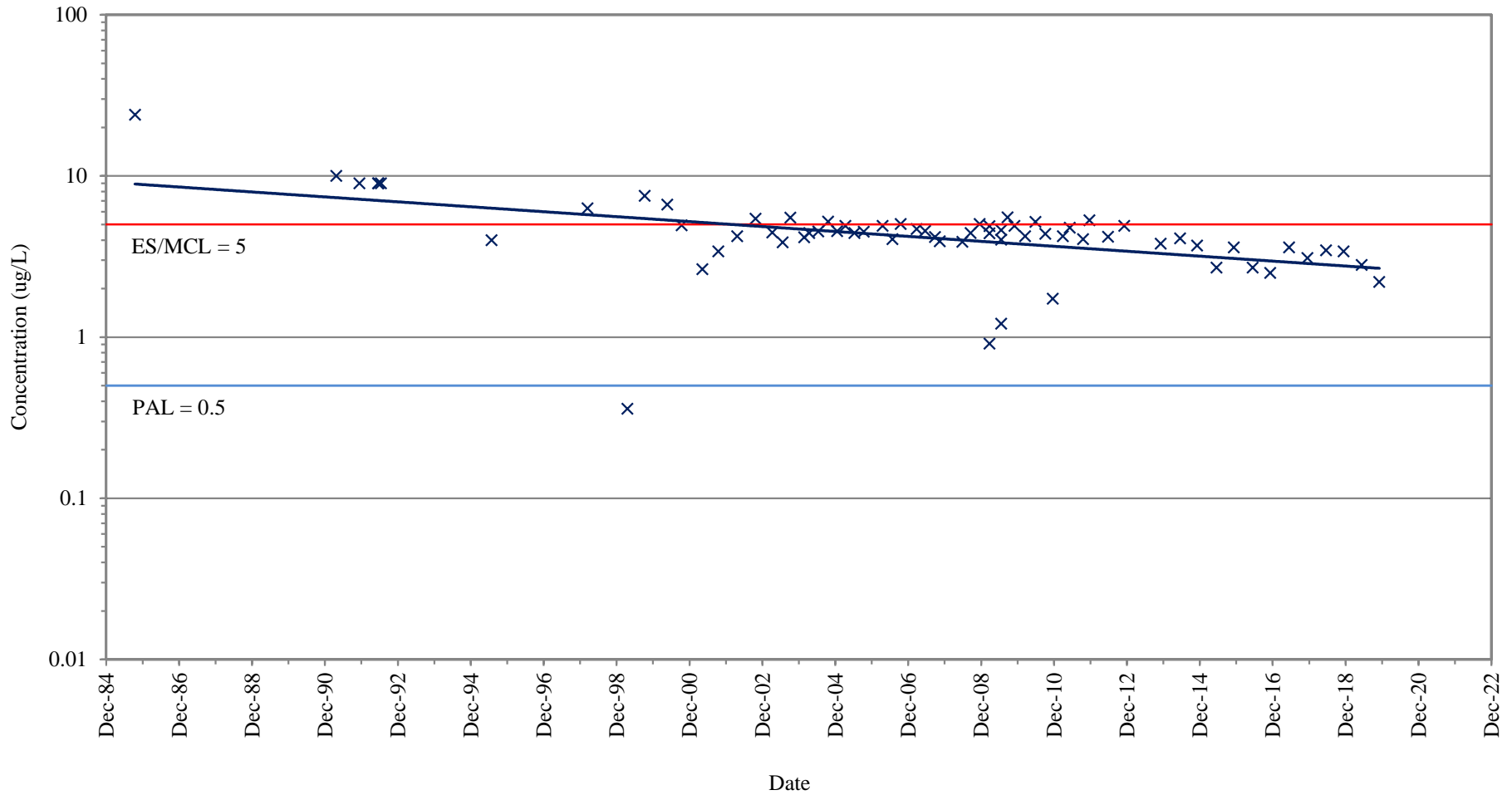
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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-3A (GRID COORDINATE C6)

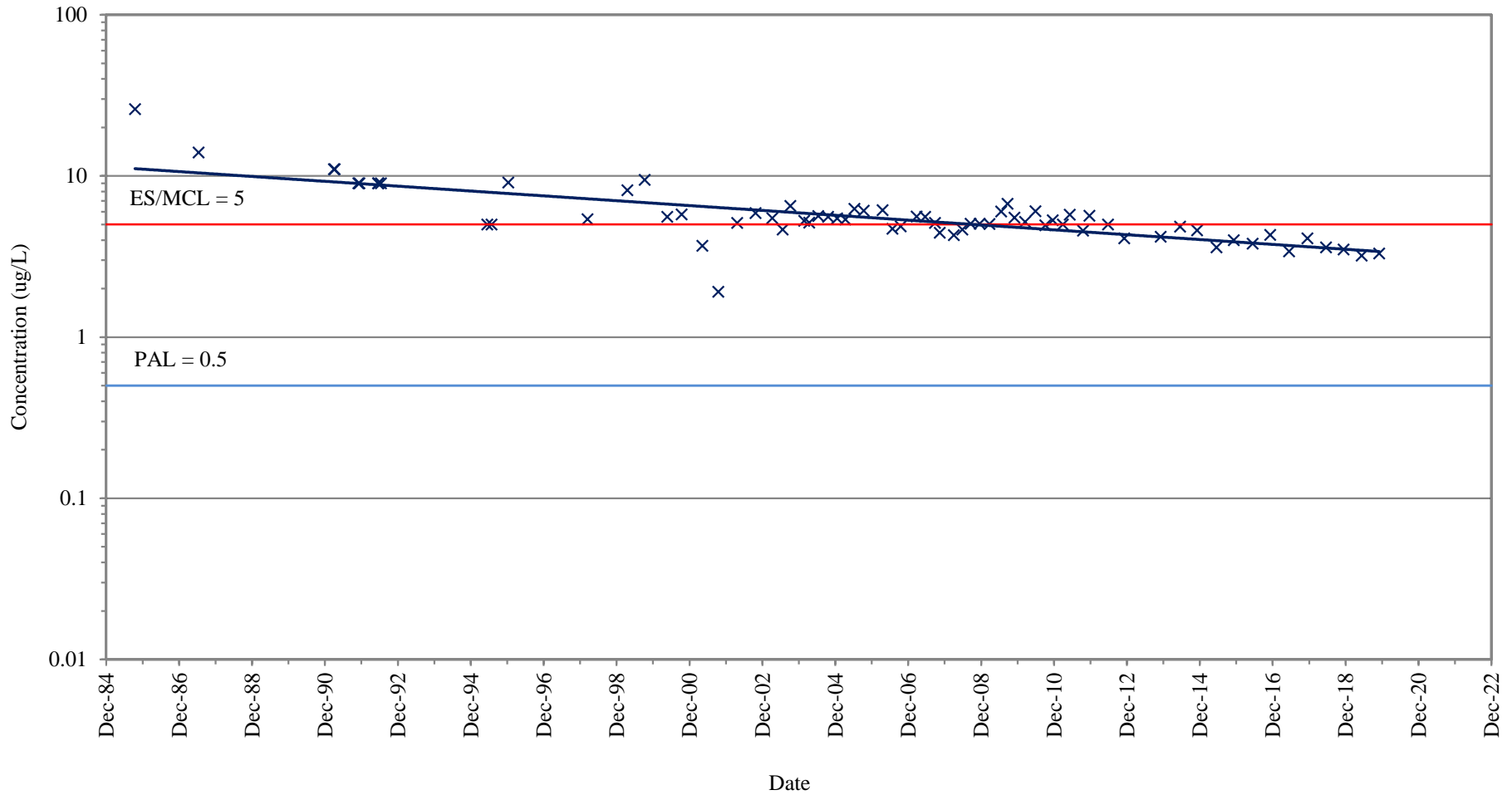
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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)

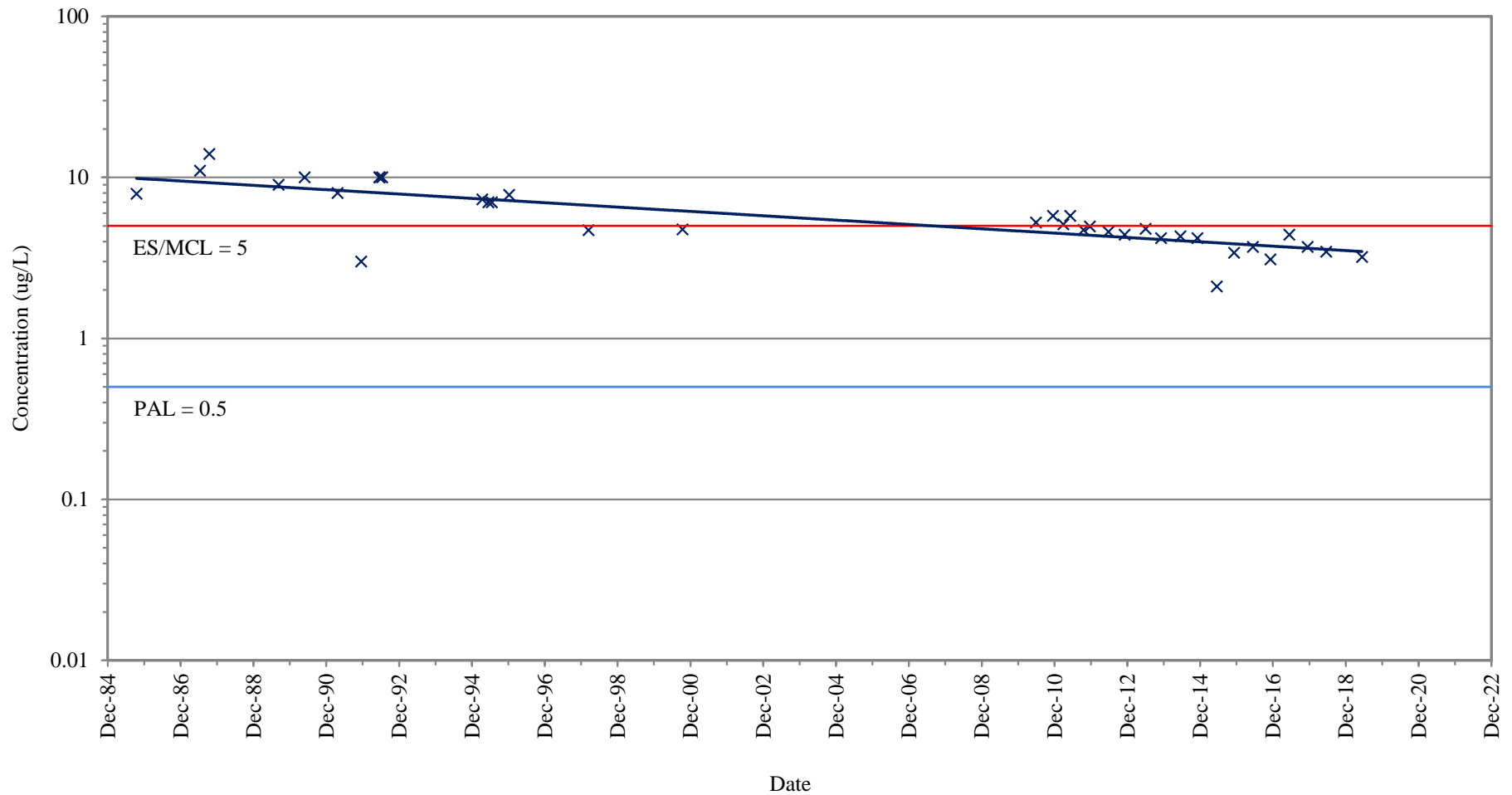
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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)

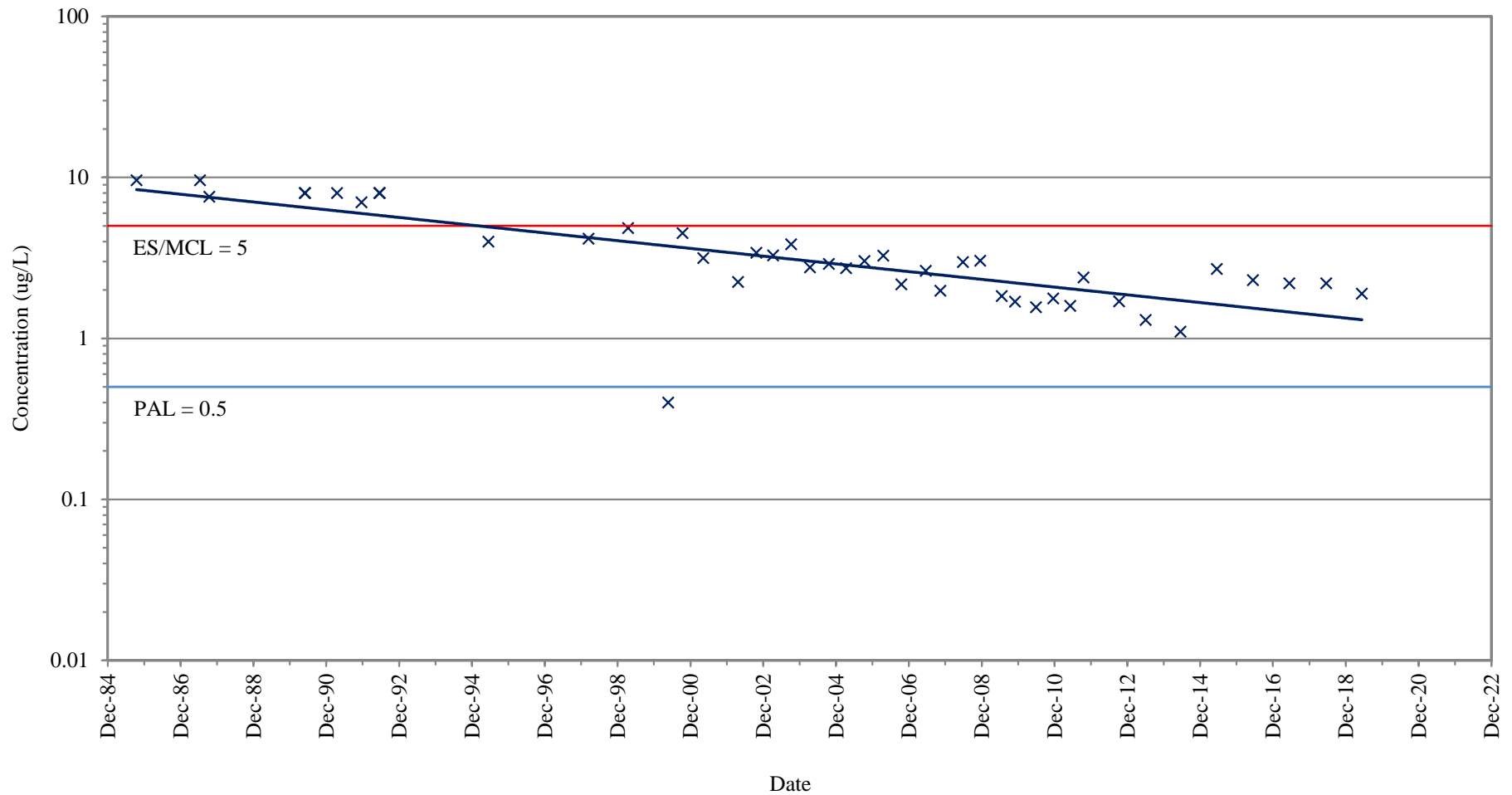
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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)

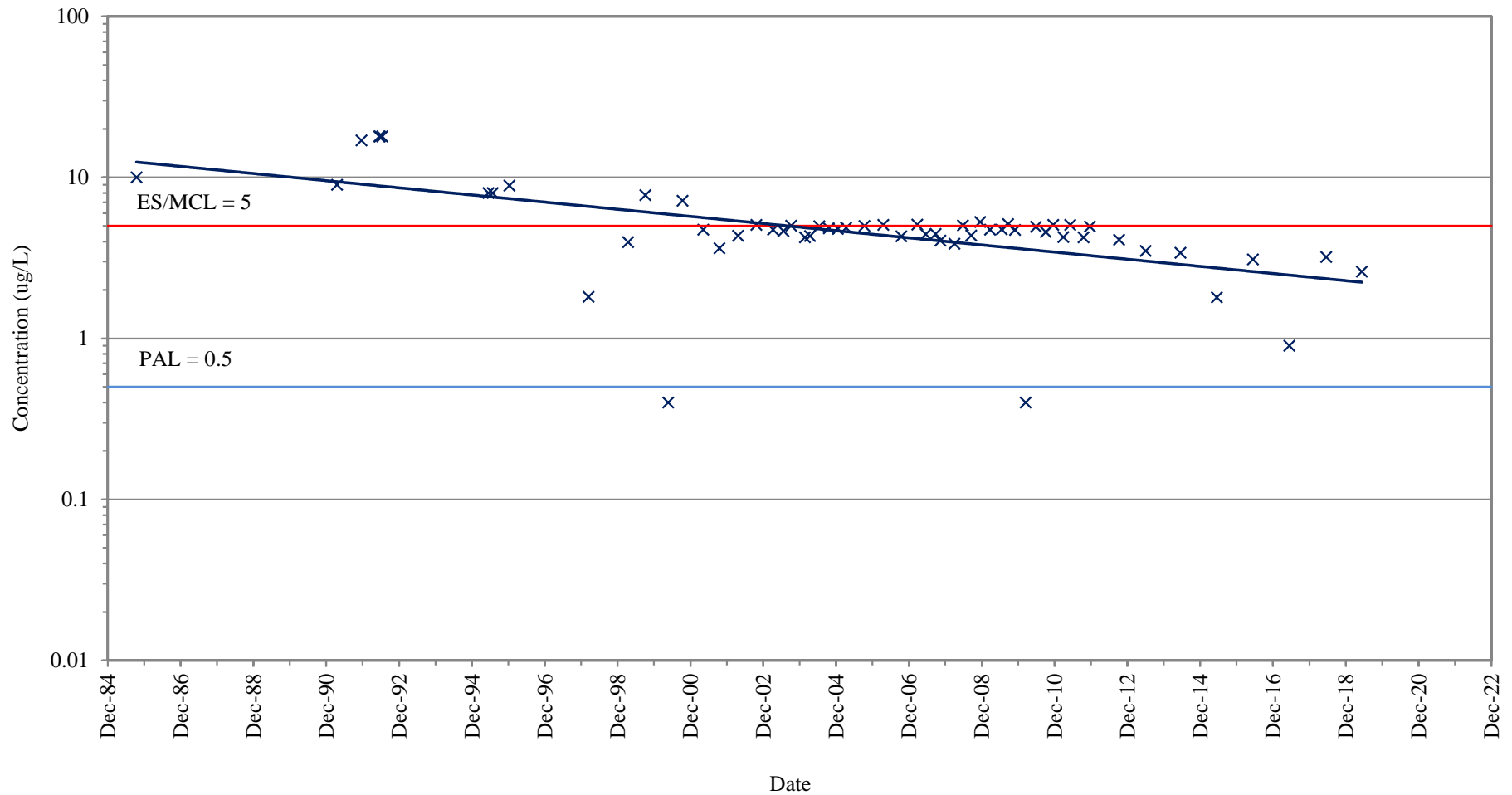
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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)

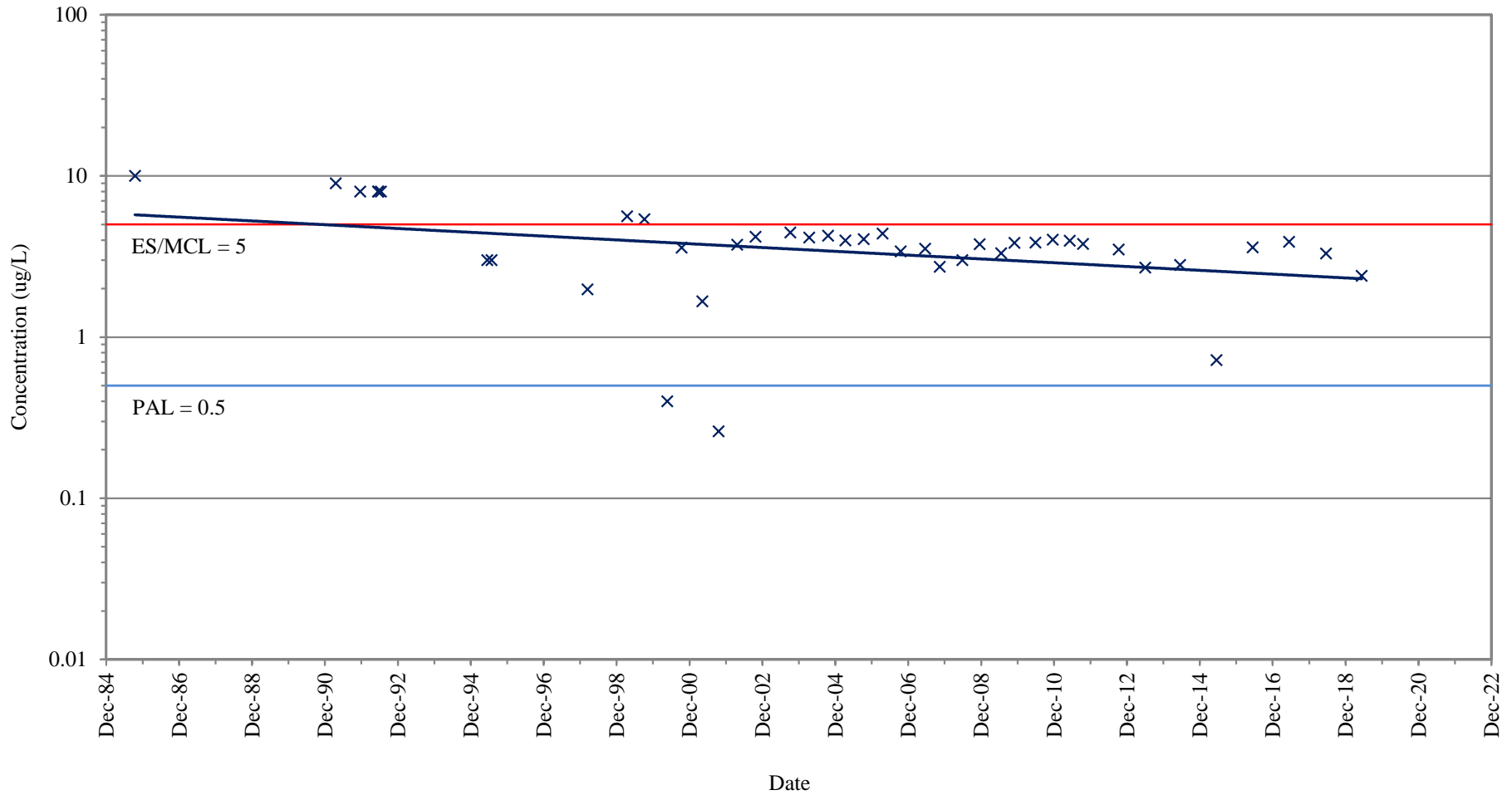
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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



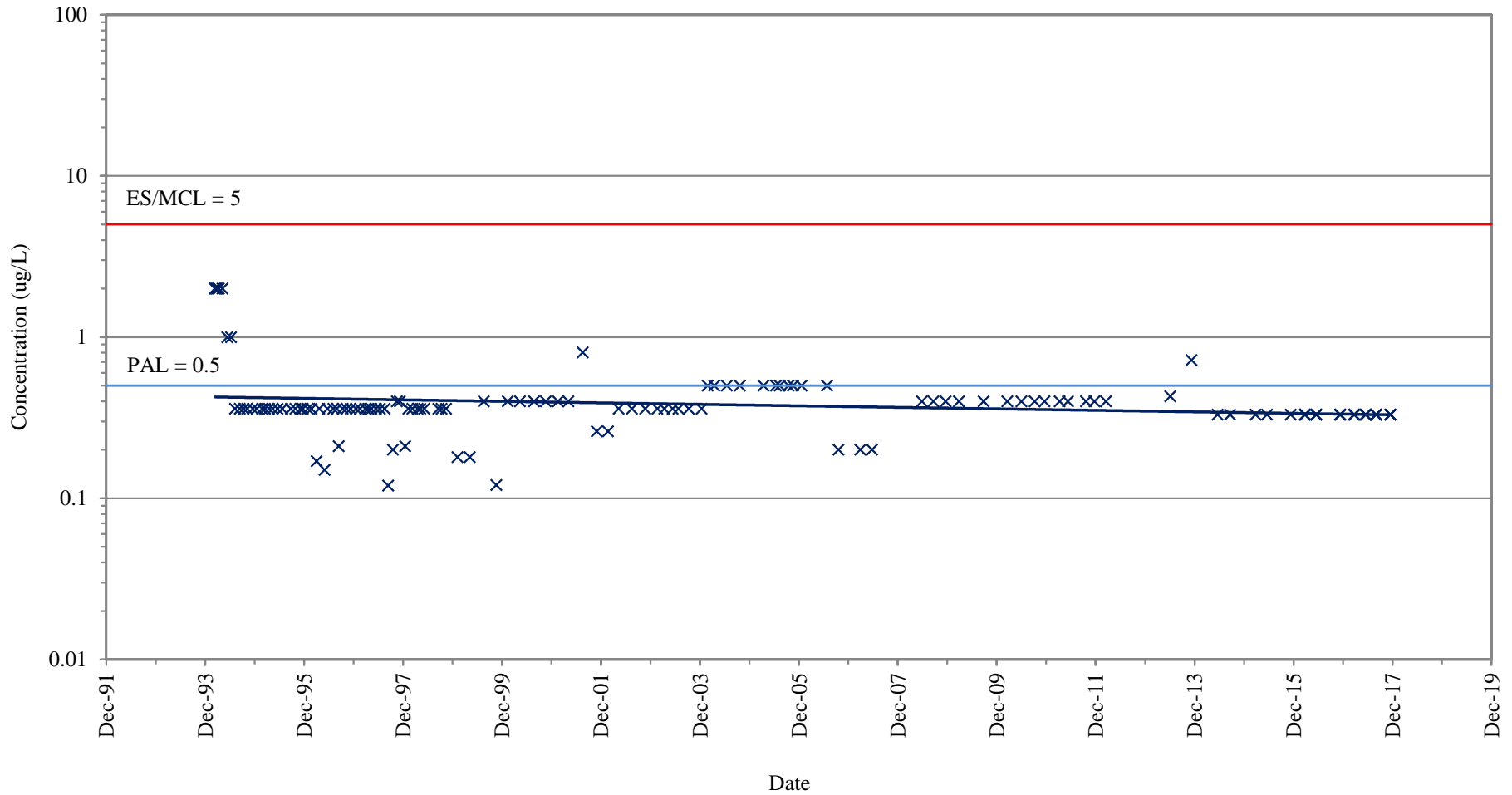
Note: Non-detect concentrations (if any) are plotted at the detection limit and best-fit exponential trend line generated using Excel.

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

NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN

APPENDIX E

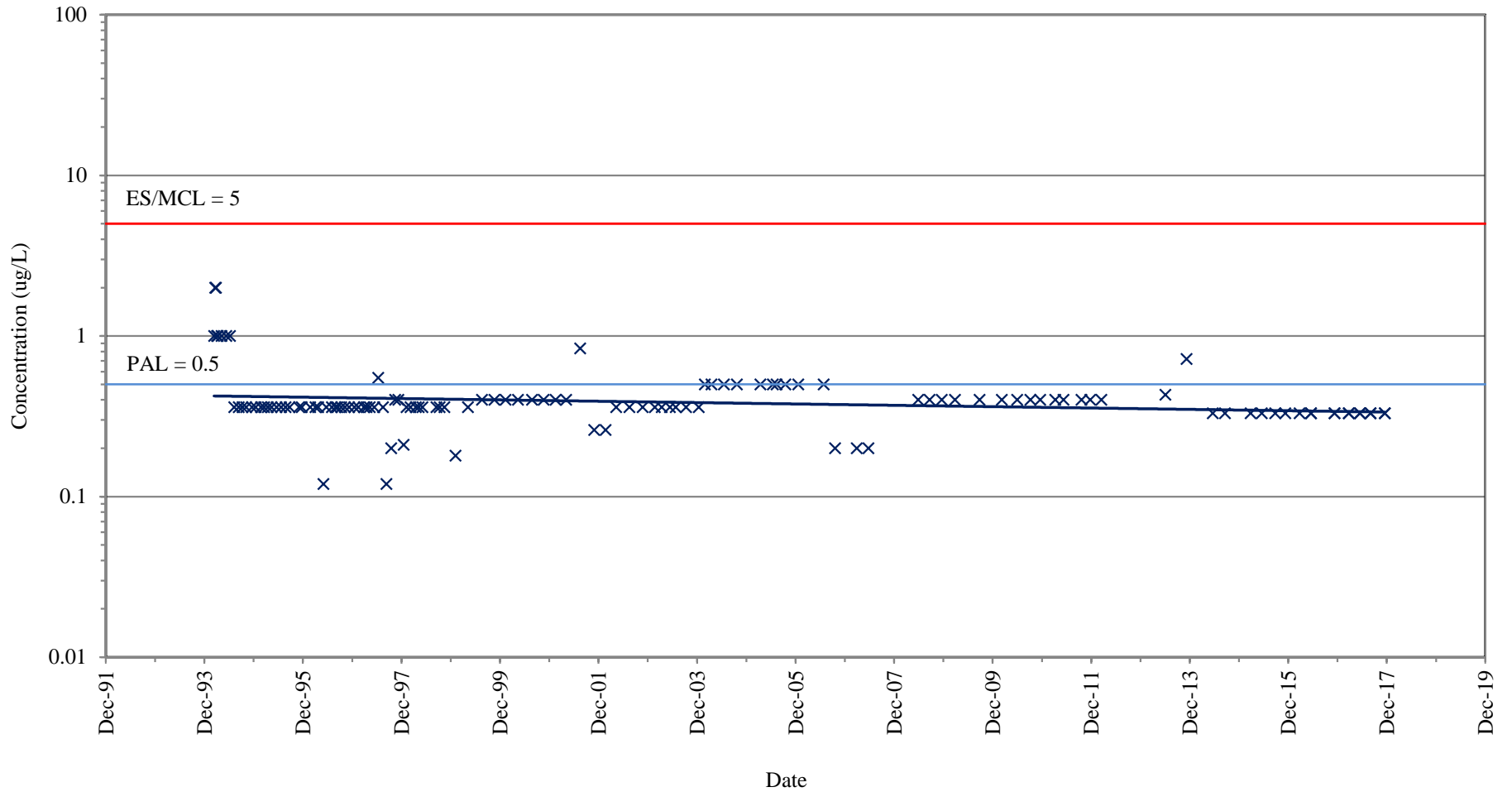
TCE CONCENTRATION VERSUS TIME GRAPHS
FORMER PLUME 3/4 (MELBY ROAD DISPOSAL SITE)



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

PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS
EW-1/1R (GRID COORDINATE L6)

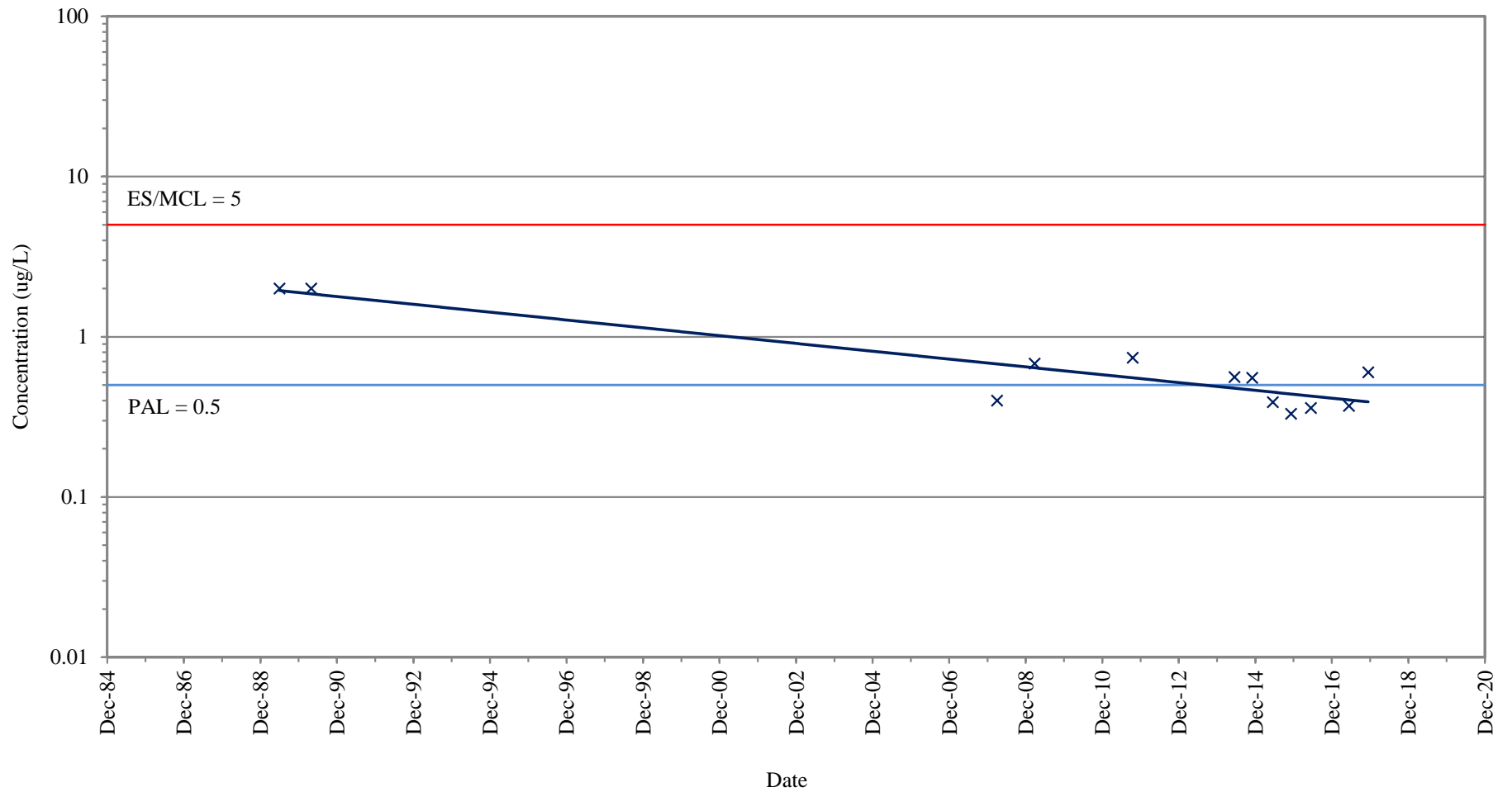
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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

PLUME 1/2 GROUNDWATER TCE CONCENTRATIONS
EW-2 (GRID COORDINATE L6)

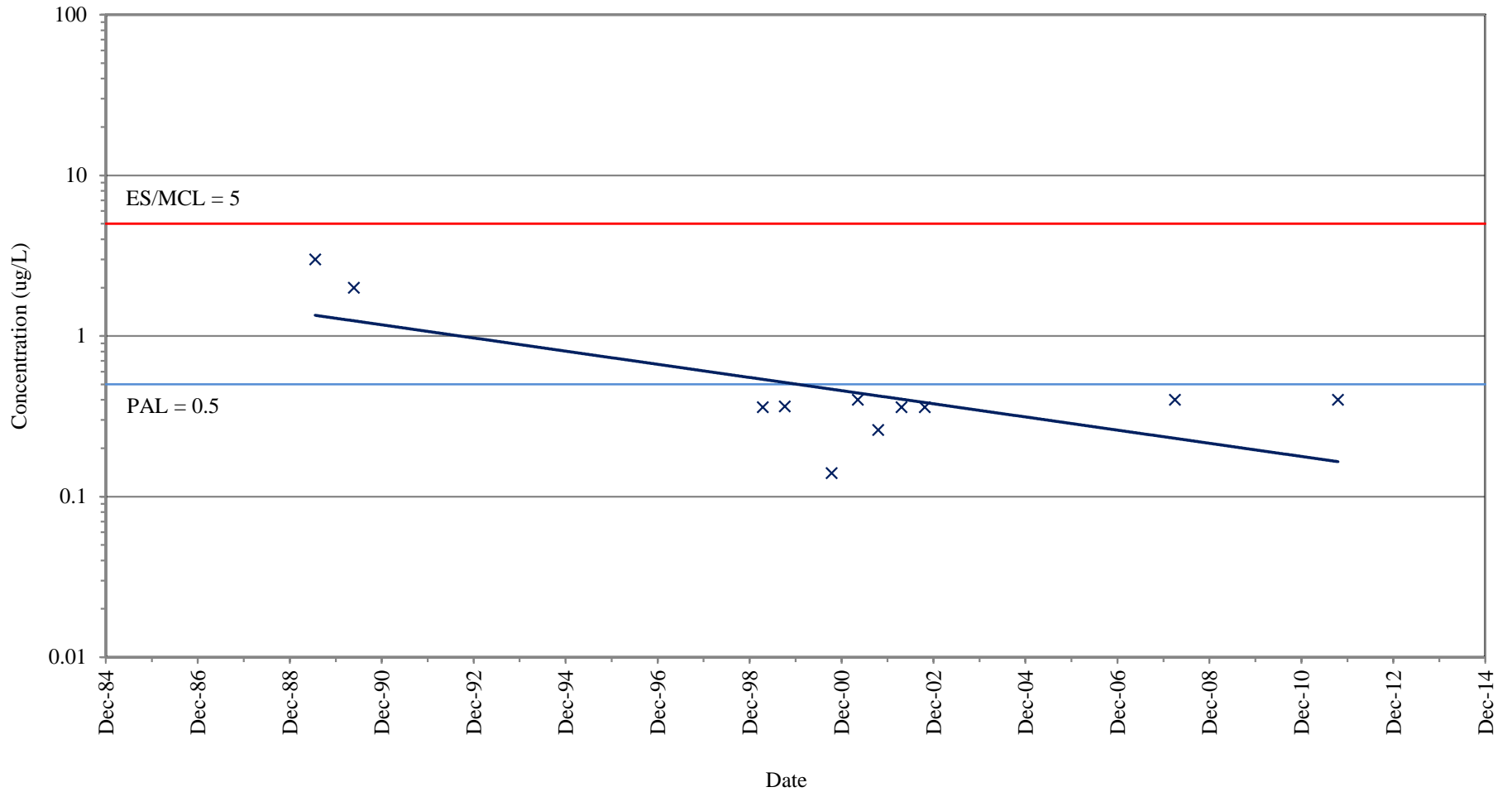
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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-26B (GRID COORDINATE L5)

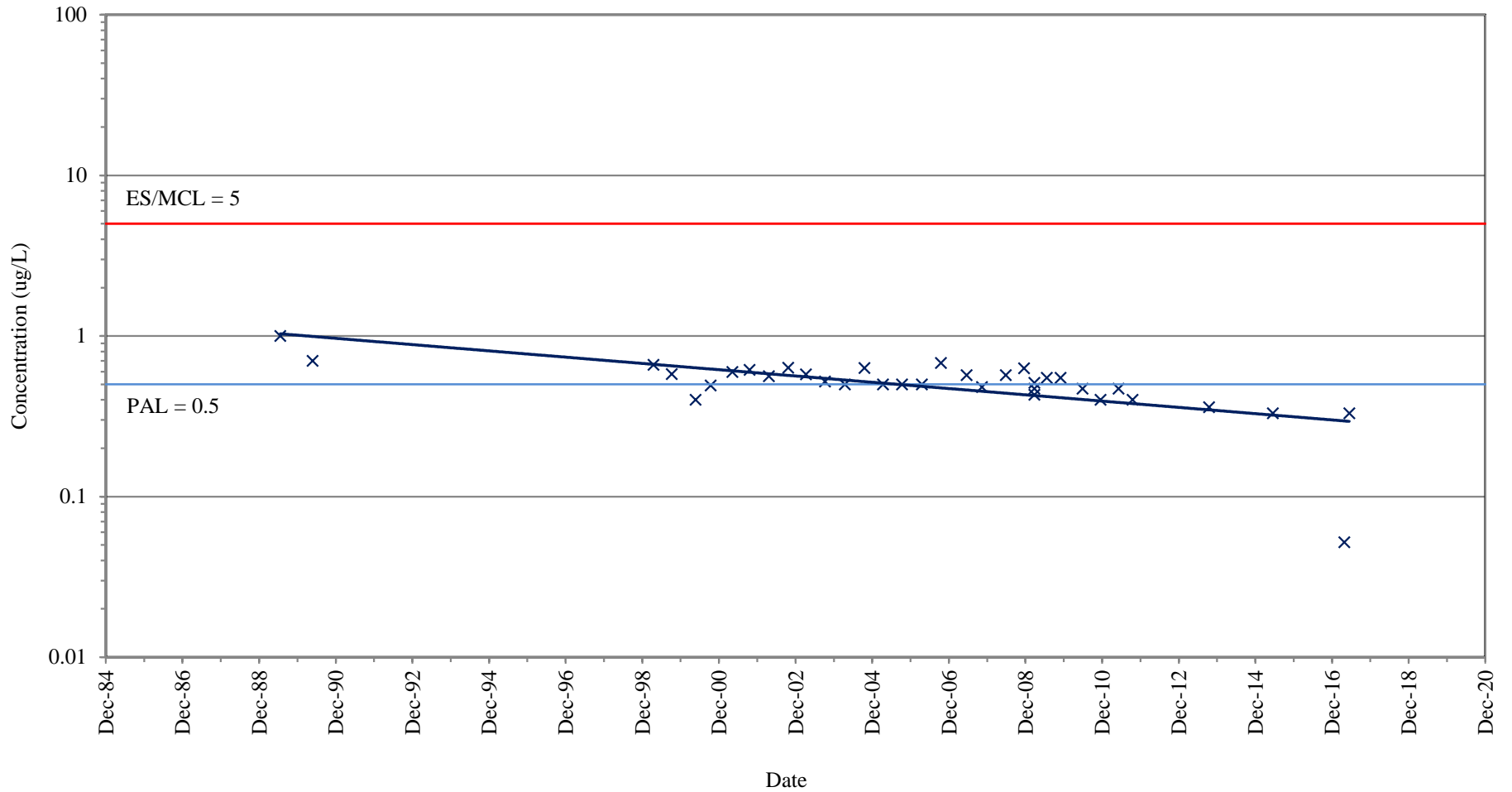
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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)

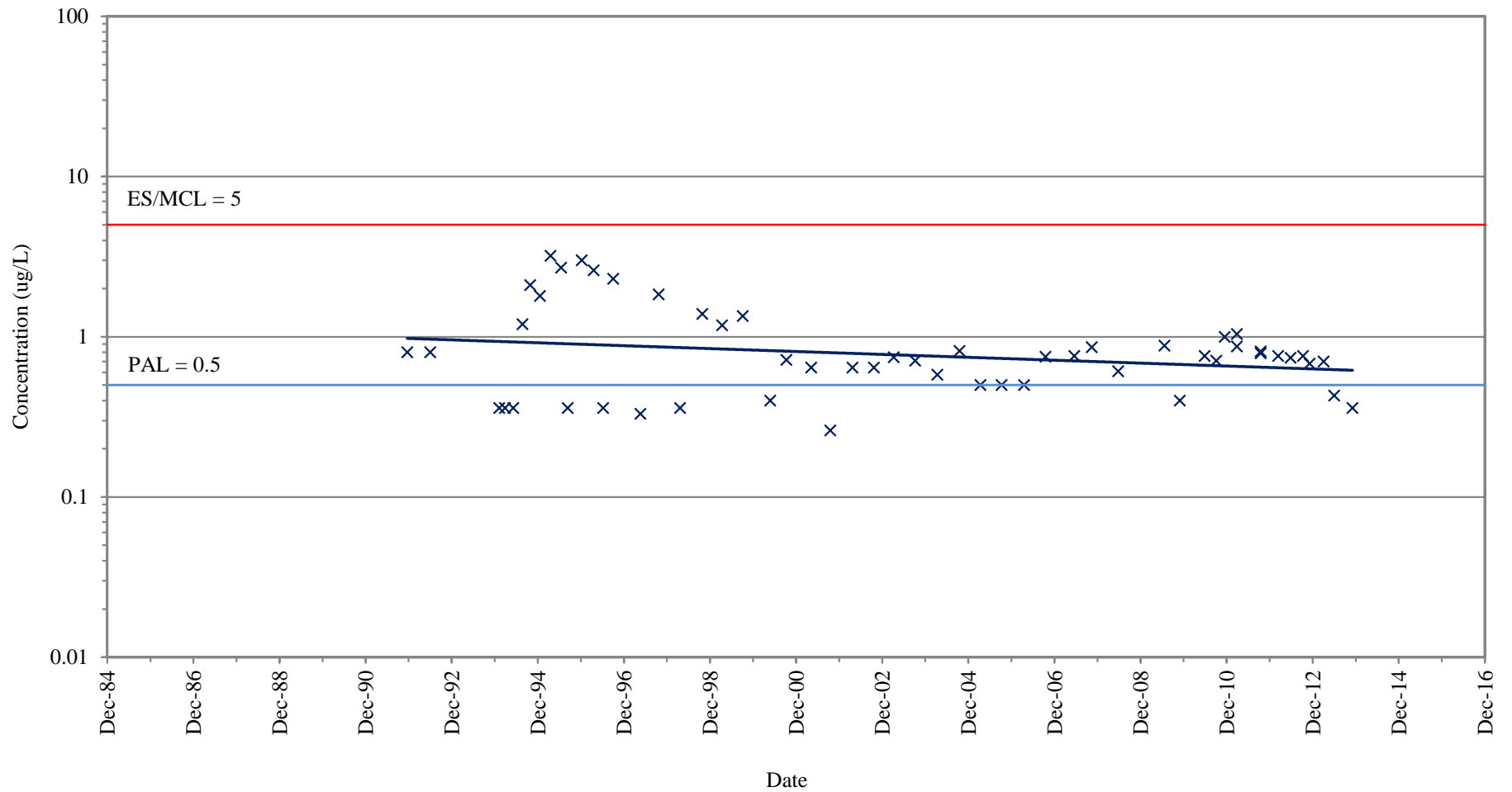
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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)

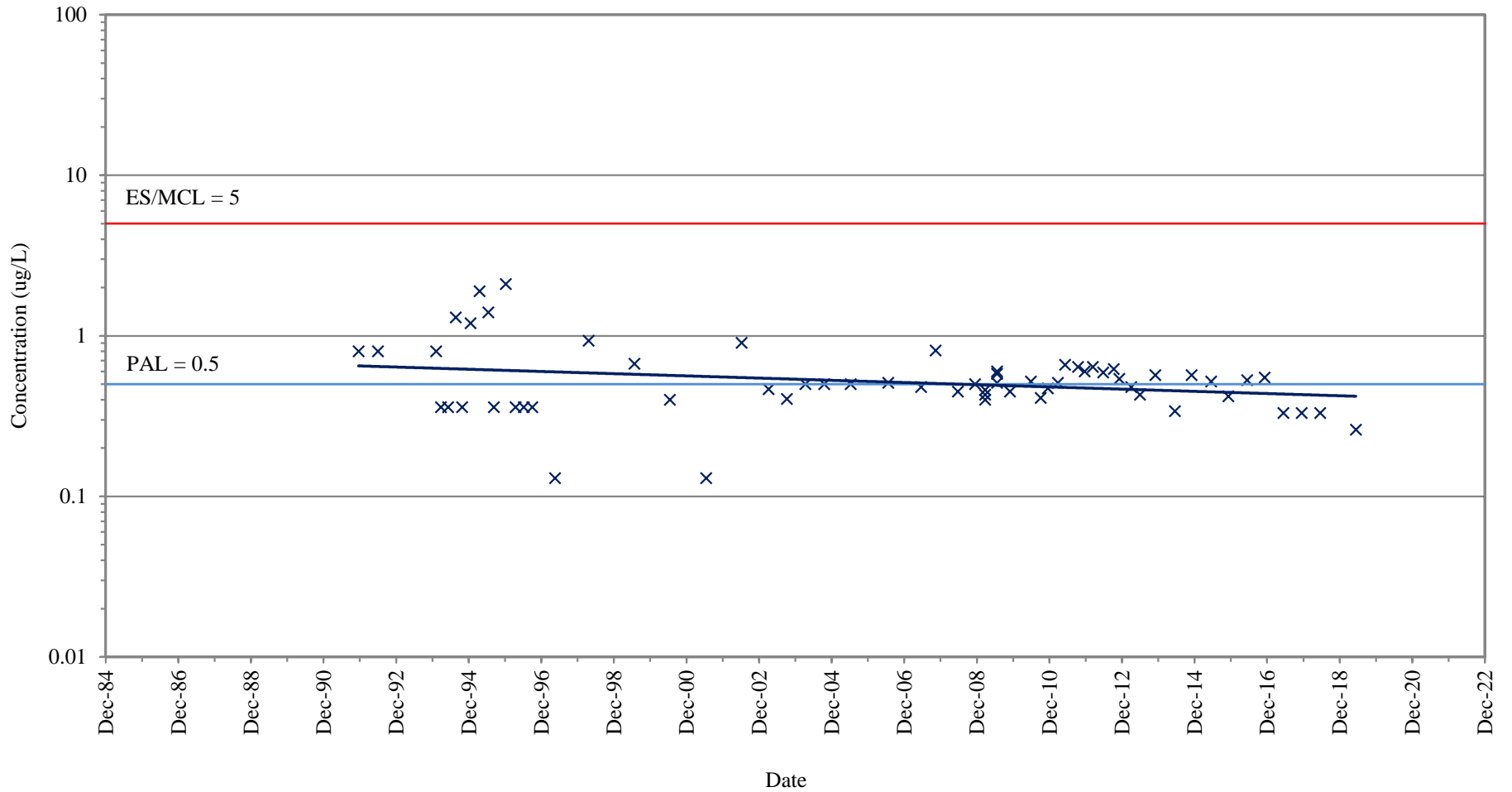
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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)

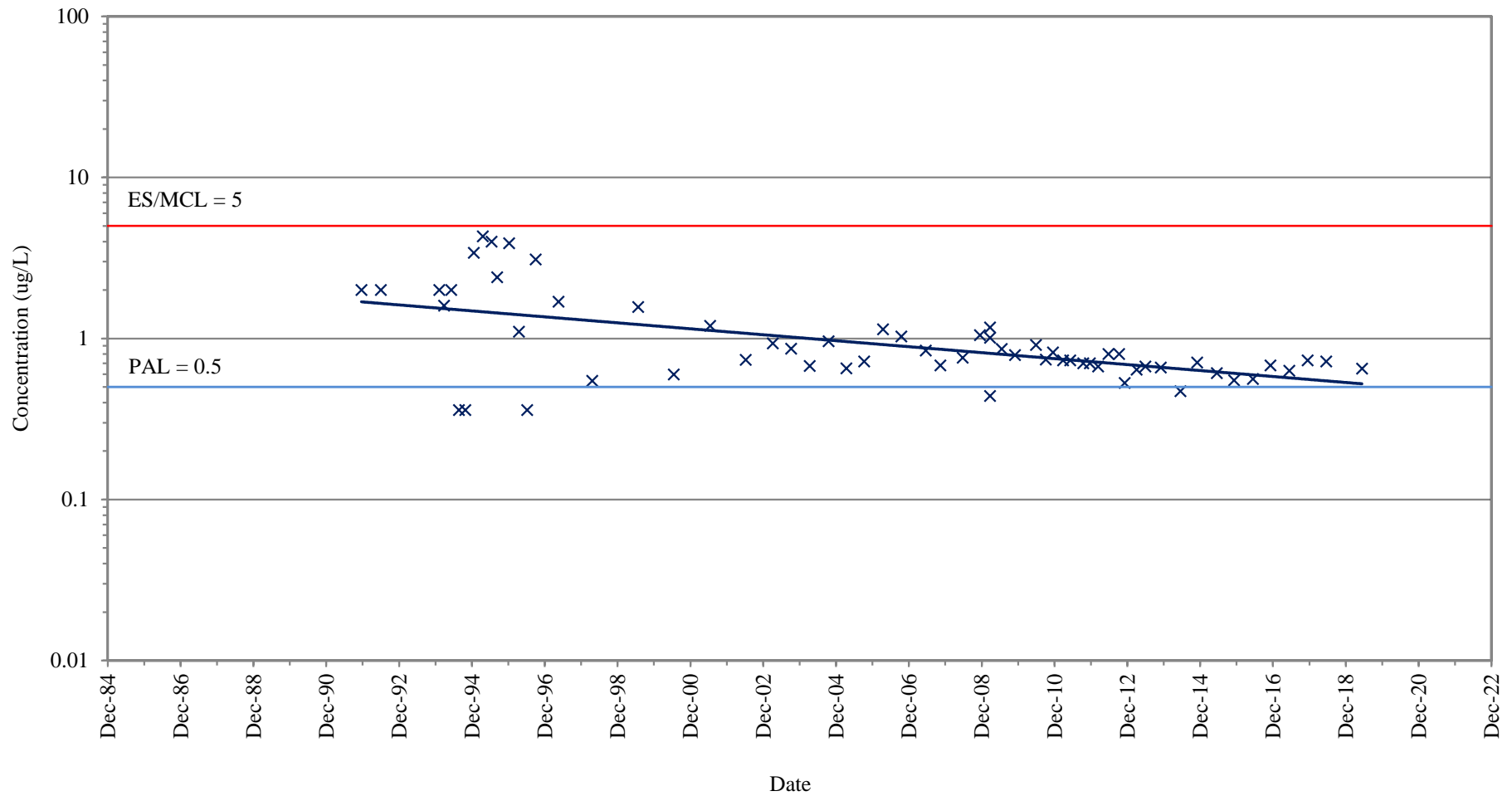
NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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-65B (GRID COORDINATE L6)

NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN



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

PLUME 3/4 GROUNDWATER TCE CONCENTRATIONS
MW-65C (GRID COORDINATE L6)

NATIONAL PRESTO INDUSTRIES, INC.
 EAU CLAIRE, WISCONSIN