From: Ken Ebbott <kebbott@fehr-graham.com>
Sent: Thursday, January 10, 2019 2:01 PM
To: McKnight, Kevin - DNR
Cc: Ken Ebbott; Don Gallo (dgallo@axley.com); 'Gary Gunderson'; Sean W. Frye
Subject: Gunderson Cleaners Neenah Status Report
Attachments: Gunderson Neenah 2018 Status Report smaller file.pdf

Follow Up Flag: Follow up
Flag Status: Completed

Kevin,

Attached is the latest status report for Neenah. As you recall, we installed 3 more wells per DNR request to define the extent. All three came back clean for soil and groundwater, so mission accomplished! I know, another round is needed to verify, but so far, so good.

We also got a round of water chemistry samples and the results continue to show improvement over time. Nine of ten locations where we did plots show decreases or at least stable results. One spot had a slight increase, but it is fairly low levels- less than 50 ug/l if I recall.

We do still have higher levels in groundwater (1000 ug/l PCE) under some of the building, but these results are so much better than pre-remediation levels of 100,000 ug/l, and they are stable to decreasing.

As noted in the Recommendations, I think the site meets the typical closure criteria. However, I know there is hesitancy for DNR to close this one with the observed remaining contaminant levels.

Take a look at the data, and let me know your inclinations.

Ken

KENDRICK EBBOTT, PG | Branch Manager
Fehr Graham | Engineering & Environmental

909 N. 8th Street | Suite 101
Sheboygan, WI 53081
P: 920.453.0700
C: 920-980-4231
F: 920.453.0750
fehr-graham.com

FEHR GRAHAM
ENGINEERING & ENVIRONMENTAL

January 10, 2019

Mr. Kevin McKnight
Wisconsin Department of Natural Resources
625 E. County Road Y Ste. 700
Oshkosh, WI 54901-9731

RE: Results of Investigation Borings, Soil, and Groundwater Sampling at Gunderson Cleaners, 891 S. Green Bay Road, Neenah, Wisconsin, BRRTS # 02-71-467001

This letter provides an update on the Former Gunderson Cleaners site in Neenah, Wisconsin.

Attached are the latest laboratory reports, soil boring and well construction logs, Wisconsin Department of Natural Resources (WDNR) forms, and summary tables/figures showing the findings.

The following report provides a brief summary of the site history, past remediation activities, and current site status; followed by a description of all new field activities, outlined below:

- Installation and development of three new monitoring wells (MW-123, PZ-124, and PZ-125).
- Five soil samples were retained during drilling of the new wells and submitted for laboratory analysis, PZ-124 (9-10'), PZ-124 (34-35'), PZ-125 (8-9.5), PZ-125 (13-15'), and PZ-125 (17.5-18.5').
- Groundwater samples were collected and submitted for laboratory analysis from 18 locations across the site.
- Disposal of 12 drums of soil cuttings from the new wells.

Results of laboratory analysis for soil and groundwater show that the extent of contamination has been defined and is generally decreasing with time.

As previously approved, Fehr Graham recommends one additional round of groundwater samples be obtained from the site monitoring wells in spring 2019. Upon completion, if results appear suitable, case closure may be pursued.

PROJECT BACKGROUND

The site is in a predominantly commercial area south of Highway 114, west of South Green Bay Road, and east of an exit ramp for U.S. Highway 41 (Figure B.1.a).

Property History

Prior to 1973, the entire property housed a bulk coal and petroleum facility on the northern portion of the parcel. From 1973 until demolition in 2013, the site consisted of

an approximately 70,000 square foot multi-tenant building located on the western edge of an approximately eight-acre parcel on the southwest corner of Winneconne Road and South Green Bay Road, Neenah, WI. Kohl's operated a store in the northern part of the structure and multiple tenants occupied the remainder of the strip mall building. Gunderson Cleaners operated near the southern end of the strip mall, at an address of 891 South Green Bay Road.

According to historic information, dry cleaning activities utilizing tetrachloroethene (PCE) as the cleaning solvent occurred at the facility from approximately 1973, when the building was constructed, to approximately 1992. The drycleaning machine was removed shortly after drycleaning operations ceased. PCE was stored in an above ground tank located just west and adjacent to the dry-cleaning machine. The tank contained approximately 100 to 200 gallons of PCE and was filled using hose delivery via the rear (west) doors of the building. Filters were changed and stored inside in drums until pick up for disposal.

The eight-acre parcel has been redeveloped. In 2010, the property was divided into four lots, with a CVS pharmacy constructed on the northeast corner lot in approximately 2011 (901 South Green Bay Road), a Kwik Trip convenience store and gas station constructed on the northwest corner lot in approximately 2012 (903 South Green Bay Road, Lot 1 of CSM # 6517), and a Goodwill store constructed in 2013 on the subject property (Lot 2, CSM # 6517, 905 South Green Bay Road). The southern parcel of the original development (Lot 3, CSM # 6517) was developed in 2016 as an Aldi's grocery store.

During redevelopment negotiations, Goodwill entered the voluntary party liability exemption (VPLE) program with the WDNR, with the expectation that prior to construction, remediation would take place to address most of the soil contaminated with PCE. Upon demonstration that the site conditions are suitable, the case will be closed with a VPLE Certificate of Completion.

Environmental Investigation

An extensive soil and groundwater investigation has been completed at the Goodwill property (the Site) by Alpha Terra Science from 2003 to 2007. Soil and groundwater sampling locations have been provided previously and are depicted in the Site Investigation Report (Alpha Terra Science, September 30, 2007) and the Remedial Action Documentation Report (Fehr Graham, August 2014). The methods utilized were in general accordance with plans submitted to the WDNR for approval.

The scope of work completed by Alpha Terra Science for the site investigation included:

- Installation of eight NR-141 water table wells and seven NR 141 piezometers.
- Installation of 54 soil borings to depths of up to 58 feet.
- Converted 14 of 39 soil borings into 1-inch diameter temporary monitoring wells.
- Obtained 84 soil samples for Volatile Organic Compound (VOC) analysis, one sample for TCLP VOC analysis and five soil samples for total organic carbon analysis.

- Obtained up to six rounds of groundwater samples for VOC analysis from 30 different monitoring locations and two rounds of groundwater samples for analysis of natural attenuation parameters.
- Surveyed elevations of all boring and monitoring well locations.
- Recorded groundwater elevations on nine occasions.
- Determined location and depth of utilities.
- Performed hydraulic conductivity testing on four monitoring wells/piezometers

Chlorinated VOCs (CVOCs) detected in the soil and groundwater included PCE, trichloroethene (TCE), cis 1,2-dichloroethene (cis 1,2-DCE), and vinyl chloride.

Based on the chemistry results, there were three areas on the property that appear to have had releases for PCE. These areas include the former drycleaning machine/storage tank area inside the building, the western rear door of the former building, and the western property fence line. Levels of CVOCs were highly elevated under the former building near the drycleaning machine, where concentrations in investigation borings and remediation test samples ranged up to 17,000 mg/kg PCE in soil (B-22, 3.5-4') and 94,000 ug/l (TW-6) in groundwater.

Levels in soil and groundwater near the former rear door were more moderate and ranged up to 86.6 mg/kg (J-F 17') and 1,500 ug/l, (TW-4), while levels to the west of the asphalt were highly elevated, ranging up to 710 mg/kg (B-35, 1-3') PCE in soil, and 100,000 ug/l (TW-35) in groundwater.

Groundwater Monitoring Well Network

During the site investigation, a groundwater monitoring well network consisting of thirty temporary wells, monitoring wells, and piezometers were installed. Upon completion of the remedial excavation, several monitoring points were properly abandoned, and four new sumps, two new monitoring wells, and four new piezometers were installed.

The existing groundwater monitoring network consists of four sumps installed in the excavation backfill. Sumps A and B are completed essentially in the water table interface, sumps C and D are a bit deeper and tap the water table and top of bedrock surfaces. Eight NR141 water table monitoring wells (MW-103, MW-105, MW-112 to MW-117) and eight top of bedrock piezometers (PZ-104, PZ-107 to PZ-109, PZ-118, PZ-119, PZ-121, and PZ-122) are present, and there are two deeper bedrock piezometers (PZ-110, PZ-120) (Figure 2). This report documents the installation of three additional piezometers in 2018; two at the bedrock surface, and one in the deeper bedrock.

Remedial Actions

After the Site Investigation Report was submitted and approved in 2007, remedial action plans were competitively bid per Drycleaner Environmental Repair Fund (DERF) program requirements. Alpha Terra Science was awarded the remedial action in early 2009.

Site soil remediation activities included removal and recycling/landfill disposal of 5,303 tons of soil contaminated with VOCs. Soil was excavated in two phases, with 2,353 tons

removed in September 2009 and an additional 2,950 tons removed in May through July 2013.

At the far west edge of the property, the 2009 excavation removed highly contaminated soil, but peak remaining levels in **saturated** soil range from 5 to 35 mg/kg PCE (I 11', H 14').

At the western edge of the former Gunderson building footing, the combined excavation in 2009 and 2013 removed most contamination but remaining **saturated** soil is present and ranges from 5.3 mg/kg to 86.6 mg/kg (C 12', J-F 17').

After the excavation in 2013, the site was backfilled with 1.5-inch diameter clear stone fill and compacted quarry screenings. Compaction to a 95 to 98 percent proctor was documented, as a new building was to be constructed shortly after backfill had been placed.

Water that entered the excavation was pumped and treated at the site with activated carbon during and after backfilling activities. An estimated 38,000 gallons of water was removed from the 2013 excavation area and Sumps A and D, treated with carbon, and discarded in the sanitary sewer.

Although not all contamination could be removed, most of the contamination was removed by the two excavations in 2009 and 2013. Remaining **saturated** soil chemistry results indicate the area beneath the building still contains concentrations ranging up to 30 to 189 mg/kg PCE (NW Base 20', SE Base 24'), decreasing from pre-remediation levels of up to 17,000 mg/kg PCE (B-22 3.5-4'). Removal of all deeper saturated soil was problematic due to the depth and the rapid inflow of groundwater when more permeable materials located near the bedrock surface were encountered at approximately 17 to 20 feet below grade.

Vapor Mitigation System

Because of remaining contamination in the groundwater beneath the building, a subslab depressurization system (SSDS) was installed during construction of the Goodwill building.

The vapor mitigation system consists of six roof-mounted fans installed on six separate piping systems installed beneath the building floor. Each fan and piping layout is designed to capture vapors from an approximately 3,000 to 6,000 square foot area beneath the building. The subslab system components include approximately eight inches of clear stone overlain by filter fabric and a 20-mil vapor barrier. Piping within the stone consists of 4-inch field perforated Schedule 30 PVC connected to 6-inch diameter Schedule 40 PVC laterals that run to the vertical 6-inch PVC risers.

The vapor mitigation system has two U-tube manometers and seven subslab vapor monitoring probe points consisting of steel pipes installed through the vapor barrier into the gravel. The probes are housed in flush-mounted 4-inch PVC sewer covers and are located at various locations throughout the building footprint. The system was monitored for function upon installation on three occasions in 2014 and 2017 by monitoring the induced vacuum at the subfloor monitoring probes using a digital manometer.

Measurements indicate excellent communication beneath the floor of the building. Induced vacuum levels of nearly an inch of water column have been noted in the subfloor, indicating the SSDS is functioning effectively to eliminate the migration of contaminated subslab vapor into the building. The vapor system is frequently checked by Goodwill maintenance staff by observation of the U-tube manometers to verify the fans are operating. Records are retained at the site.

Neighboring Property Environmental Information

Environmental testing has also been performed on parcels located adjacent to the Gunderson site. Soil, groundwater, and vapor assessments have been completed on the adjacent parcel to the north (CVS Pharmacy and Kwik Trip), east (Fox Point Express), and south (Twin City Diner/Aldi). Soil, soil gas, and groundwater samples conducted at the CVS property down-gradient from the site did not detect the presence of CVOCs. Soil and groundwater testing at the Kwik Trip property side-gradient of the Site did not show CVOC detections and no CVOCs were discovered as a result of soil and groundwater testing at the Fox Point Express Gas Station to the east of the site or the Twin City Diner/Aldi property to the south.

Despite the absence of contamination on the neighboring properties, including some located hydraulically downgradient from the Gunderson facility, the WDNR required installation of additional groundwater monitoring wells to define the extent of groundwater contamination.

COMPLETED SCOPE OF WORK AND RESULTS

Monitoring Well Installation, Development, and Surveying

Three new monitoring wells, PZ-123, PZ-124, and PZ-125, were installed on July 24, 2018. PZ-123 and PZ-125 were drilled using a hollow-stem auger to create an 8-inch borehole to the bedrock surface where a monitoring well was installed per NR 141 code requirements.

PZ-124 was installed by advancing a 10-inch diameter hollow-stem auger to the bedrock surface at 35 feet below ground surface (bgs), and air rotary drilling was then used to advance a 6-inch borehole to a depth of 61.5 feet bgs.

During drilling, soil sampling was conducted using split spoon sampling for geologic logging and field evaluation of VOCs using a photoionization detector (PID).

At all three wells, a two-inch Schedule 40 PVC permanent monitoring well with a 5-foot slotted PVC screen was installed. A sand filter pack was installed around the well screen, with a bentonite seal to the surface. Well elevations were surveyed by Fehr Graham staff August 1, 2018, using the previously surveyed elevations from wells PZ-121 and PZ-122. Full well construction details are presented in the well forms included in Attachment C.

Monitoring well development was performed on August 1, 2018 per NR 141 code requirements. Well development was performed by surging the well with a bailer and pumping. PZ-123 was pumped dry five times during development, removing a total of 20 gallons of water. PZ-124 could not be pumped dry, and 54.1 gallons of water were purged.

PZ-125 was pumped dry five times during development, removing a total of 15 gallons of water. Full well development details are presented in the well development forms included in Attachment C.

Geology and Hydrogeology

The site is generally flat-lying, with an elevation of approximately 750 feet above mean sea level. Most of the property gently slopes to the east toward Green Bay Road.

Drainage west of the building slopes gently to the west and south to a small marshy area. Cattails are present off-site to the southwest along the drainage way adjacent to the exit ramp off north-bound Highway 41. West of the site the land is owned by the Wisconsin Department of Transportation (WisDOT). There is a slight two-foot rise with a shallow depression further west that serves as a drainage ditch to direct surface water flow to the south. A steeply sloping approximately 10-foot high hill rises further west to the exit ramp for U.S. Highway 41.

The geology has been summarized in previous submittals. The geology beneath the former Gunderson building generally consisted of about four feet of fill material, including 0.5 feet of concrete underlain by silty clay with gravel fill. The native deposits have been mapped as till, described as gray silty clay, deposited by the Green Bay Lobe ice advance.

The subsurface geology encountered during the installation of the three new soil borings was generally consistent with previous investigations (Attachment C). In general, materials consisted of 18 to 28 feet of low plasticity clayey materials; underlain by up to eight feet of sandy silt with trace gravel that overlies the contact with bedrock. The bedrock consists of sandstone. In boreholes PZ-123 and PZ-124 on the far northeast corner of the Property, bedrock was encountered about 35 feet bgs. In PZ-125, bedrock was encountered 18 feet below ground surface. These observations are consistent with previous observations that bedrock in the area dips to the east.

Figure 1 and Figure 2 summarize the most recent groundwater elevations taken at monitoring wells and piezometers, respectively. The depth to water across the site has been observed as shallow as five feet below grade, with levels typically in the five to ten-foot depth range. As shown in Table A.7.I**,** which includes current and historical groundwater elevations, the water elevations measured in August are among the lowest observed at the site. Water levels in the Sumps installed in backfill from the excavations are approximately three to six feet lower than the previously obtained levels, and the water levels in many of the piezometers are approximately six to 13 feet lower than the previous measurement.

Flow directions overall still trend to the east/northeast in both the shallow and deeper flow system. There may be a slight component of flow on the far southwest corner of the Property that mirrors the surface water drainage to the western ditch, but the overall flow direction is to the northeast.

Results from the new well nest on the Property northeast corner (PZ-123 / PZ-124) indicates a strongly upward vertical hydraulic gradient in the bedrock / contact with

bedrock. Nested wells on other parts of the Property display flat or slightly downward hydraulic gradients.

Hydraulic conductivity at each of the three new wells is expected to align with conductivities observed in similar materials elsewhere on the Site. PZ-123 was screened 30-35' bgs in sandy silt and went dry while purging, indicative of low-permeability materials. PZ-124 is screened 55 to 60 ft bgs, in sandstone, and this relatively high-permeability formation could not be pumped dry during well development. PZ-125 was installed 13.5 to 18.5 feet bgs, in a clayey unit with a trace of gravel, and the well went dry during development.

Groundwater Chemistry

Groundwater samples were collected and submitted for laboratory analysis for VOCs on August 24, 2018 at the following locations: Sump A, Sump B, Sump C, Sump D, MW-103, MW-105, PZ-107, PZ-109, MW-114, MW-115, MW-116, PZ-119, PZ-121, PZ-122, PZ-123, PZ-124, and PZ-125. Because well MW-103 was inadvertently sampled instead of PZ-104 in August, a groundwater sample was collected from PZ-104 on November 19, 2018 and submitted for analysis of VOCs. Laboratory reports for all samples are presented in Attachment A.

The following constituents were detected above laboratory reporting limits in one or more sample: 1,1-Dichloroethane, 1,1-Dichloroethene, cis-1,2 Dichloroethene (cis-1,2-DCE), PCE, TCE, toluene, and VC. Toluene was also present in the trip blank sample at a concentration higher than observed in the groundwater from the monitoring wells and is considered a laboratory contaminant for the recent sample round.

Detected constituents were compared to the NR 140.1 Preventive Action Limit and NR 140.1 Enforcement Standard. Only PCE and degradation products of PCE (TCE, cis-DCE, and VC) are present at levels above the NR 140 ES.

Table A.1 presents all data from the current sampling event and all previous sampling events. The analytical results from the 2018 groundwater samples continue to document trends of decreasing concentrations of contaminants over time. Attachment D displays charts of PCE and TCE concentrations over time at ten locations on the Site. At all locations except PZ-109, both PCE and TCE concentrations in groundwater have been declining, particularly since the completion of the remedial actions in 2009 and 2013.

Groundwater chemistry results from well PZ-109, located approximately 200 feet downgradient from the 2013 excavation, have increased slightly over time, but remain generally low, at 7.4 ug/l PCE and 33.4 ug/l TCE. Results further downgradient from well PZ-109 at PZ-123 and PZ-124 indicate the extent of contamination is defined.

Figure 3 shows the groundwater isoconcentration results for PCE and TCE. Groundwater impacts are highest surrounding the former excavation boundaries. The extent of contamination is delineated to the south at PZ-125, and downgradient to the northeast at PZ-124 and PZ-125.

Soil Chemistry

Soil cores were logged by a Fehr Graham hydrogeologist and field-screened with a PID upon extraction. Soil samples for laboratory analysis of VOCs were collected at two to three locations at PZ-124 (9-10', 34-35') and PZ-125 (8-9.5', 13-15', 17.5-18.5'). Soil samples were collected at the observed water table surface and at the contact with the underlying bedrock.

Soil analytical results showed no detections of constituents for any of the samples. Full soil analytical results are presented in the laboratory reports included in Attachment A.

Soil Waste Disposal

The 12 drums containing investigation-derived soil cuttings were removed from the Site for disposal on August 8, 2018. Covanta Environmental Solutions was contracted for removal and proper disposal of the soil drums. Documentation of disposal is included in Attachment E.

CONCLUSIONS

Based on the additional investigation efforts, the following conclusions have been reached:

1) The installation of additional wells in the downgradient direction (PZ-123, PZ-124) and south of the contaminant plume (PZ-125) has further defined the extent of contamination in soil and groundwater.

2) Contamination appears limited to the Property, except for minimal contaminant migration off-site to the west onto the WisDOT right of way.

3) Contaminant trends in groundwater continue to improve as a result of the remedial excavation efforts.

RECOMMENDATIONS

The following recommendations are proposed:

1) One additional round of groundwater samples should be obtained from all monitoring wells in the spring of 2019. Samples should be analyzed for VOCs and methane, ethane, and ethene at select wells.

2) If the results indicate continued improvement to the groundwater chemistry, closure should be pursued.

   Previous discussions with the WDNR have indicated a hesitancy to close this case with the observed remaining contaminant levels present beneath the building. We believe the steps taken at this site meet the NR 700 criteria for case closure, namely:

- The extent of contamination has been defined
- The contaminant source has been significantly reduced to the extent practicable
- Contaminant concentrations are stable or decreasing over time as a result of the remedial action
- Potential exposure pathways of concern have been addressed by the continued operation of the subslab vapor mitigation system, and
- On-going degradation of the remaining contamination via natural attenuation processes will continue to reduce the concentration of remaining contaminants

3) If the WDNR disagrees and believes the case cannot be closed regardless of the results that will likely be found in the proposed spring 2019 round of groundwater samples, then further discussions should be held to find an appropriate pathway to case closure.

BUDGET

The cost for obtaining the next round of samples has already been approved, and should be eligible for reimbursement under DERF.

I trust this information meets your needs and look forward to hearing from you regarding this project.

Sincerely,

Kendrick A. Ebbott, P.G.

Attachments: Figure 1: Base Map and Monitoring Well Groundwater Elevations
Figure 2: Base Map and Piezometer Groundwater Elevations
Figure 3: Groundwater Chemistry August 23, 2018
Table A.1: Groundwater Analytical Table – Detected VOC Compounds
Table A.7: Groundwater Elevations
Table A.8: Groundwater Natural Attenuation Parameters
Attachment A: Laboratory Reports
Attachment B: Soil Boring Logs
Attachment C: Well Construction and Development Forms
Attachment D: Charts showing Groundwater Chemistry Versus Time
Attachment E: Drum Disposal Documentation

Cc: Mr. Don Gallo, Axley, Brynelson, via email only
Mr. Gary Gunderson, Gunderson Cleaners, via email only
Ms. Jackie Draws, Goodwill Industries, via email only
Mr. Scott Barr, McCarty Law, via email only

PZ124
PZ123
PZ121
PZ108
PZ104
PZ109
PZ110
PZ120
PZ118
MW103
744.19
MW117
742.67
PZ122
MW105
743.50
PZ107
MW115
745.88
MW114
744.48
SUMP D
741.88
MW116
742.58
SUMP B
745.97
SUMP A
745.67
SUMP C
745.47
MW112
745.77
PZ119
PZ125
745.28
MW113
744.32
744
745
742
743
Z=5'
Z=20-24'
Z=10'
Z=12'
Z=14'
Z=7'
Z=2'
Z=17'

LEGEND

- MONITORING WELL / PIEZOMETER
- MONITORING SUMP
- 744.32 WATER ELEVATION
- WATER FLOW DIRECTION

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FEHR GRAHAM
ENGINEERING & ENVIRONMENTAL
ILLINOIS
IOWA
WISCONSIN

FORMER GUNDERSON CLEANERS
891 S. GREEN BAY RD.
NEENAH, WI 54956

DRWN: MKH DATE: 05/23/17 APPD: KE

TITLE:
WATER TABLE ELEVATION AUGUST 23, 2018

BRRTS: 02-71-467001
JOB NO.: 14-1123
PLOT DATE: 11/9/18

FIGURE: 1

G:\C3D\14\14-1123 Gunderson-Neenah\Exhibits\14-1123_BASE MAP.dwg, MW ELEV_8.23.18

PZ124
741.43
PZ123
734.23
PZ121
734.74
PZ108
741.58
741.09
PZ104
742.19
PZ109
PZ110
741.96
PZ120
*741.14
MW103
PZ118
743.97
MW117
MW115
PZ122
741.18
MW105
PZ107
741.71
MW114
SUMP D
MW116
SUMP B
SUMP A
SUMP C
MW112
PZ119
746.36
PZ125
745.28
MW113
738
740
736
742
744
746
Z=5'
Z=20-24'
Z=5'
Z=5'
Z=10'
Z=12'
Z=5'
Z=17
Z=12
Z=2'
Z=5'
Z=14'
Z=12'
Z=20'
Z=14'
Z=10'
Z=7'

LEGEND

- MONITORING WELL / PIEZOMETER
- MONITORING SUMP
- 744.32 WATER ELEVATION AT BEDROCK SURFACE
- WATER FLOW DIRECTION
- WATER ELEVATION FROM ≈60' DEEP PIEZOMETER

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GRAPHIC SCALE IN FEET

G:\C3D\14\14-1123 Gunderson-Neenah\Exhibits\14-1123_BASE MAP.dwg, PZ ELEV_8.23.18

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ENGINEERING & ENVIRONMENTAL
ILLINOIS IOWA WISCONSIN

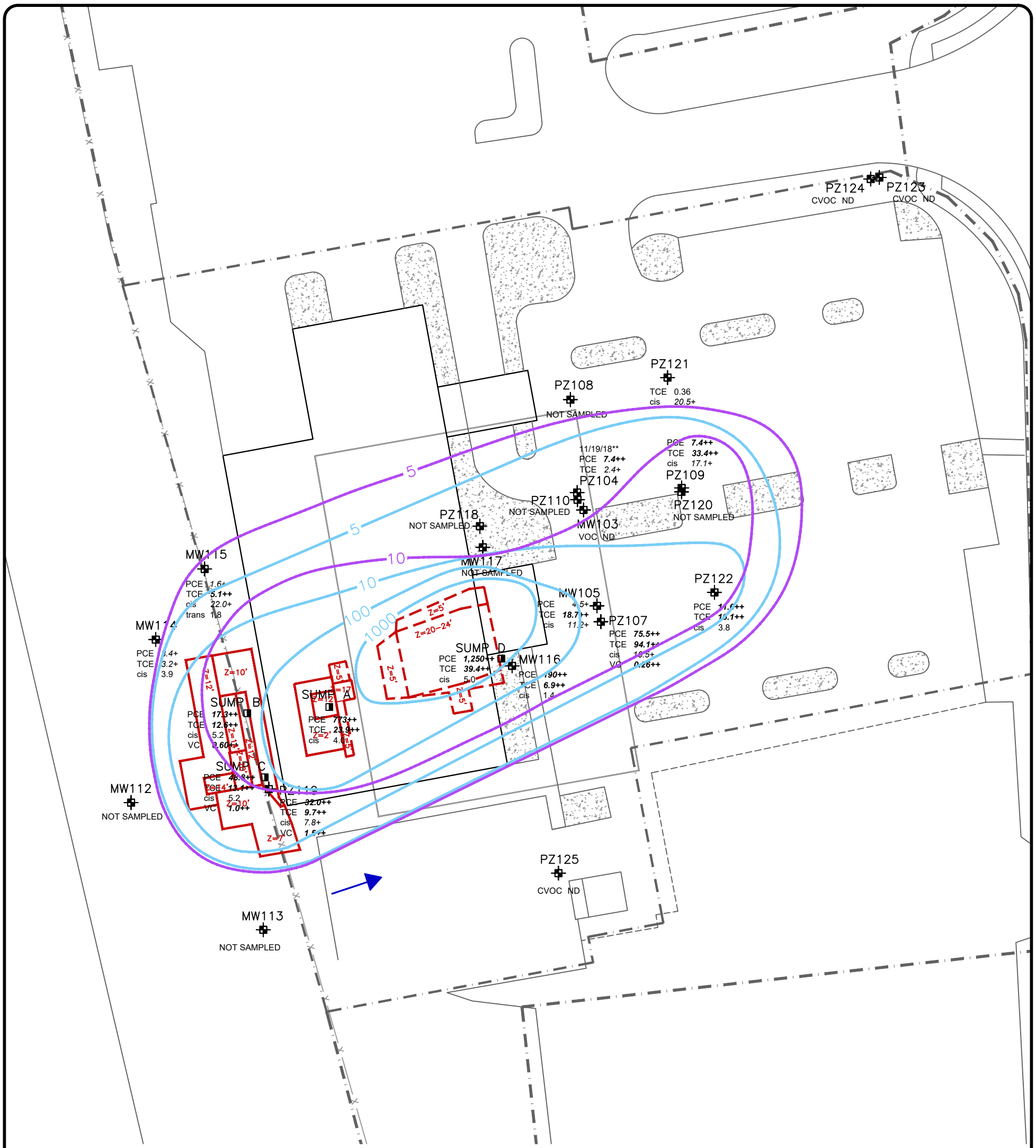
FORMER GUNDERSON CLEANERS
891 S. GREEN BAY RD.
NEENAH, WI 54956

DRWN: MKH DATE: 05/23/17 APPD: KE

TITLE:
PIEZOMETRIC WATER ELEVATION AUGUST 23, 2018

BRRTS: 02-71-467001
JOB NO.: 14-1123
PLOT DATE: 11/9/18

FIGURE: 2



LEGEND

- MONITORING WELL / PIEZOMETER
- MONITORING SUMP
- GROUNDWATER FLOW DIRECTION

6/11/15	SAMPLE DATE
PCE	TETRACHLOROETHENE (ug/L)
TCE	TRICHLOROETHENE (ug/L)
cis	cis-1,2-DICHLOROETHENE (ug/L)
VC	VINYL CHLORIDE (ug/L)
CVOC	CHLORINATED VOLATILE ORGANIC COMPOUNDS
VOC	VOLATILE ORGANIC COMPOUNDS
ND	NO DETECT

ITALICS+	EXCEEDS NR140 PREVENTIVE ACTION LIMIT (PAL)
BOLD++	EXCEEDS NR140 ENFORCEMENT STANDARD (ES)
ITALICS/BOLD++	EXCEEDS BOTH PAL & ES
———	ESTIMATED EXTENT OF PCE CONTAMINATED GROUNDWATER
———	ESTIMATED EXTENT OF TCE CONTAMINATED GROUNDWATER

**NOTE: WELL PZ-104 SAMPLED 11/19/18

N W E S

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GRAPHIC SCALE IN FEET

FEHR GRAHAM ENGINEERING & ENVIRONMENTAL — ILLINOIS IOWA WISCONSIN

FORMER GUNDERSON CLEANERS
891 S. GREEN BAY RD.
NEENAH, WI 54956

DRWN: MKH DATE: 05/23/17 APPD: KE

TITLE: GROUNDWATER CHEMISTRY AUGUST 23, 2018

BRRTS: 02-71-467001
JOB NO.: 14-1123
PLOT DATE: 1/3/19

FIGURE: 3

G:\C3D\14\14-1123 Gunderson-Neenah\Exhibits\14-1123_BASE MAP.dwg, GW CHEM_8.23.18

Table A.1
Groundwater Analytical Table - VOC
Gunderson Cleaners, Inc.
891 S. Green Bay Rd., Neenah, WI 54956
BRRTS# 02-71-4671001

Sample ID		NR 140.10 Preventive Action Limit	NR 140.10 Enforcement Standard	MW-101							MW-102								
Sample Date				7/16/2004	2/16/2005	12/9/2005	3/28/2006		5/16/2013		7/16/2004	10/28/2004	2/17/2005	2/17/2005	12/9/2005	3/28/2006	2/13/2007		7/29/2013	
Groundwater Elevation				745.25	745.39	744.10	746.86		749.42		742.16	740.72	743.07	743.07	740.34	745.76	742.12		745.94	
												Mix up ID's		D						
Benzene	(ug/L)	*0.5*	**5**	<0.20	<0.20	<0.41	<0.41	Excavation Sept 2009	<0.50	Removed May 2013	<0.20	<0.20	<0.20	<0.20	<0.41	<0.41	<0.20	Excavation Sept 2009	<0.50	Removed July 2013
Ethylbenzene	(ug/L)	*140*	**700**	<0.50	<0.50	<0.54	<0.54		<0.50		<0.50	<0.50	<0.50	<0.50	<0.54	<0.54	<0.50		<0.50	
Toluene	(ug/L)	*160*	**800**	<0.20	<0.20	<0.67	<0.67		<0.44		<0.20	<0.20	<0.20	<0.20	<0.67	<0.67	<0.20		<0.44	
Xylenes (TOTAL)	(ug/L)	*400*	**2,000**	<0.50	<0.50	<2.63	<2.63		<1.32		<0.50	<0.50	<0.50	<0.50	<2.63	<2.63	<0.50		<1.32	
Naphthalene	(ug/L)	*10*	**100**	<0.25	<0.25	<0.74	<0.74		<2.5		<0.25	<0.25	<0.25	<0.25	<0.74	<0.74	0.3		<2.5	
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/L)	*96*	**480**	<0.40	<0.40	<1.80	<1.80		<3.07		<0.40	<0.40	<0.40	<0.40	<1.80	<1.80	<0.40		<3.07	
Tetrachloroethene (PCE)	(ug/L)	*0.5*	**5**	<0.50	<0.50	<0.45	<0.45		*0.54 J*		<0.50	*0.68*	<0.50	<0.50	<0.45	<0.45	<0.50		*4.0*	
Trichloroethene (TCE)	(ug/L)	*0.5*	**5**	<0.20	<0.20	<0.48	<0.48		*1.5*		<0.20	*0.59*	0.44	0.44	*1.5*	*2.0*	*1.5*		***19.6***	
cis-1,2-Dichloroethene	(ug/L)	*7*	**70**	<0.50	<0.50	<0.83	<0.83		4.6		0.65	<0.50	1.90	1.90	4.4	5.6	5.1		*38.8*	
trans-1,2-Dichloroethene	(ug/L)	*20*	**100**	<0.50	<0.50	<0.89	<0.89		<0.37		<0.50	<0.50	<0.50	<0.50	<0.89	<0.89	<0.50		2.5	
Vinyl Chloride	(ug/L)	*0.02*	**0.2**	<0.20	<0.20	<0.18	<0.18		*2.9*		<0.20	<0.20	<0.20	<0.20	<0.18	<0.18	<0.20		***0.50J***	
sec-Butylbenzene	(ug/L)	NS	NS	<0.25	<0.25	<0.89	<0.89		<0.60		<0.25	<0.25	<0.25	<0.25	<0.89	<0.89	<0.25		<0.60	
Chlorobenzene	(ug/L)	NS	NS	<0.20	<0.20	<0.41	<0.41		<0.36		<0.20	<0.20	<0.20	<0.20	<0.41	<0.41	<0.20		<0.36	
Chloroform	(ug/L)	*0.6*	**6**	<0.20	<0.20	<0.37	<0.37		<0.69		<0.20	<0.20	<0.20	<0.20	<0.37	<0.37	<0.20		<0.69	
Chloromethane	(ug/L)	3	**30**	0.47	<0.20	<0.24	<0.24		<0.39		<0.20	<0.20	<0.20	<0.20	<0.24	<0.24	<0.20		<0.39	
1,2-Dichlorobenzene	(ug/L)	*60*	**600**	<0.20	<0.20	<0.83	<0.83		<0.44		<0.20	<0.20	<0.20	<0.20	<0.83	<0.83	<0.20		<0.44	
Dichlorodifluoromethane	(ug/L)	*200*	**1,000**	<0.50	<0.50	<0.99	<0.99		<0.40		<0.50	<0.50	<0.50	<0.50	<0.99	<0.99	<0.50		<0.40	
1,1-Dichloroethane	(ug/L)	*85*	**850**	<0.50	<0.50	<0.75	<0.75		<0.28		<0.50	0.88	<0.50	<0.50	<0.75	<0.75	<0.50		<0.28	
1,2-Dichloroethane	(ug/L)	*0.5*	**5**	<0.50	<0.50	<0.36	<0.36		<0.48		<0.50	<0.50	<0.50	<0.50	<0.36	<0.36	<0.50		<0.48	
1,1-Dichloroethene	(ug/L)	*0.7*	**7**	<0.50	<0.50	<0.57	<0.57		<0.43		<0.50	<0.50	<0.50	<0.50	<0.57	<0.57	<0.50		<0.43	
Isopropylbenzene	(ug/L)	NS	NS	<0.20	<0.20	<0.59	<0.59		<0.34		<0.20	<0.20	<0.20	<0.20	<0.59	<0.59	<0.20		<0.34	
p-Isopropyltoluene	(ug/L)	NS	NS	<0.20	<0.20	<0.67	<0.67		<0.40		<0.20	<0.20	<0.20	<0.20	<0.67	<0.67	<0.20		<0.40	
n-Propylbenzene	(ug/L)	NS	NS	<0.50	<0.50	<0.81	<0.81		<0.50		<0.50	<0.50	<0.50	<0.50	<0.81	<0.81	<0.50		<0.50	
1,1,1-Trichlorethane	(ug/L)	*40*	**200**	<0.50	<0.50	<0.90	<0.90		<0.44		<0.50	<0.50	<0.50	<0.50	<0.90	<0.90	<0.50		<0.44	
1,1,2-Trichlorethane	(ug/L)	*0.5*	**5**	<0.25	<0.25	<0.42	<0.42		<0.39		<0.25	<0.25	<0.25	<0.25	<0.42	<0.42	<0.25		<0.39	

Notes:
Xylenes reported as total of m-, o-, p-xylenes
TMB= trimethylbenzenes, PCE = Tetrachloroethene, TCE = Trichloroethene
NS = No standard established
NA = Not analyzed for parameter
J = Between limit of detection & limit of quantification
B= Analyte also present in trip blank

ITALICS indicates exceedance of NR 140.10 Preventive Action Limit
BOLD indicates exceedance of NR 140.10 Enforcement Standard

Table A.1
Groundwater Analytical Table - VOC
Gunderson Cleaners, Inc.
891 S. Green Bay Rd., Neenah, WI 54956
BRRTS# 02-71-4671001

Sample ID		NR 140.10 Preventive Action Limit	NR 140.10 Enforcement Standard	MW-103												PZ-104											
Sample Date				7/16/2004	10/28/2004	2/16/2005	12/9/2005	3/29/2006		11/13/2013	5/30/2014	11/14/2014	6/11/2015	5/18/2016	8/23/2018	7/16/2004	10/28/2004	2/16/2005	12/14/2005	3/29/2006	2/12/2007		11/13/2013	5/28/2014	11/12/2014	6/11/2015	5/18/2016	11/9/2018
Groundwater Elevation				743.97	741.81	742.49	743.06	743.76		745.85	747.28	744.11	747.15	746.59	744.19	743.08	738.96	741.60	736.93	743.98	739.78		744.76	747.91	744.60	748.39	747.77	--
Benzene	(ug/L)	*0.5*	**5**	<0.20	<0.20	<0.20	<0.41	<0.41		<0.50	<0.50	<0.50	<0.50	<0.50	<0.25	0.42	0.31	<0.20	<0.41	<0.41	<0.20		<2.0		<2.0	<0.50	<2.0	<0.25
Ethylbenzene	(ug/L)	*140*	**700**	<0.50	<0.50	<0.50	<0.54	<0.54		<0.50	<0.50	<0.50	<0.50	<0.50	<0.22	<0.50	<0.50	<0.50	<0.54	<0.54	<0.50		<2.0		<2.0	<0.50	<2.0	<0.22
Toluene	(ug/L)	*160*	**800**	<0.20	<0.20	<0.20	<0.67	<0.67		<0.44	<0.50	<0.50	<0.50	<0.50	<0.17	<0.20	0.23	<0.20	<0.67	<0.67	<0.20		<1.8		<2.0	<0.50	<2.0	<0.17
Xylenes (TOTAL)	(ug/L)	*400*	**2,000**	<0.50	<0.50	<0.50	<2.63	<2.63		<1.32	<1.50	<1.5	<1.5	<1.5	<0.73	<0.50	<0.50	<0.50	<2.63	<2.63	<0.50		<5.3		<6.0	<1.5	<6.0	<0.73
Naphthalene	(ug/L)	*10*	**100**	<0.25	<0.25	<0.25	<0.74	<0.74		<2.5	<2.5	<2.5	<2.5	<2.5	<1.2	<0.25	<0.25	<0.25	<0.74	<0.74	<0.25		<10.0		<10.0	<2.5	<10.0	<1.2
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/L)	*96*	**480**	<0.40	<0.40	<0.40	<1.80	<1.80		<1.0	<1.0	<1.0	<1.0	<1.0	<1.71	<0.40	<0.40	<0.40	<1.80	<1.80	<0.40		<4.0		<4.0	<1.0	<4.0	<1.71
Tetrachloroethene (PCE)	(ug/L)	*0.5*	**5**	<0.50	<0.50	<0.50	<0.45	<0.45		*3.9*	<0.50	<0.50	<0.50	<0.50	<0.33	*21*	*31*	*44*	*41*	*67*	*140*		*329*		*351*	*10.1*	*439*	*7.4*
Trichloroethene (TCE)	(ug/L)	*0.5*	**5**	<0.20	0.21	<0.20	<0.48	<0.48		*0.58J*	<0.33	<0.33	<0.33	<0.33	<0.26	*7.6*	*7.5*	*10*	*13*	*20*	*33*		*82.2*		*119*	*3.7*	*164*	*2.4*
cis-1,2-Dichloroethene	(ug/L)	*7*	**70**	<0.50	1.2	<0.50	<0.83	<0.83		<0.42	<0.26	<0.26	<0.26	<0.26	<0.27	0.79	0.57	<0.50	<0.83	<0.83	1.1		1.9J		*26.9*	0.65 J	*24.7*	<0.27
trans-1,2-Dichloroethene	(ug/L)	*20*	**100**	<0.50	<0.50	<0.50	<0.89	<0.89		<0.37	<0.24	<0.26	<0.26	<0.26	<1.1	<0.50	<0.50	<0.50	<0.89	<0.89	<0.50		<1.5		<1.0	<0.26	<1.0	<1.1
Vinyl Chloride	(ug/L)	*0.02*	**0.2**	<0.20	<0.20	<0.20	<0.18	<0.18		<0.18	<0.18	<0.18	<0.18	<0.18	<0.17	<0.20	<0.20	<0.20	<0.18	<0.18	<0.20		<0.74		<0.70	<0.18	<0.70	<0.17
sec-Butylbenzene	(ug/L)	NS	NS	<0.25	<0.25	<0.25	<0.89	<0.89		<0.60	<2.2	<2.2	<2.2	<2.2	<0.85	<0.25	<0.25	<0.25	<0.89	<0.89	<0.25		<2.4		<8.7	<2.2	<8.7	<0.85
Chlorobenzene	(ug/L)	NS	NS	<0.20	<0.20	<0.20	<0.41	<0.41		<0.36	<0.50	<0.50	<0.50	<0.50	<0.71	<0.20	<0.20	<0.20	<0.41	<0.41	<0.20		<1.4		<2.0	<0.50	<2.0	<0.71
Chloroform	(ug/L)	*0.6*	**6**	<0.20	<0.20	<0.20	<0.37	<0.37		<0.69	<2.5	<2.5	<2.5	<2.5	<1.3	*0.62*	<0.20	<0.20	<0.37	<0.37	<0.20		<2.8		<10.0	<2.5	<10.0	<1.3
Chloromethane	(ug/L)	3	**30**	<0.20	<0.20	<0.20	<0.24	<0.24		<0.39	<0.50	<0.50	<0.50	<0.50	<2.2	<0.20	<0.20	<0.20	<0.24	<0.24	<0.20		<1.6		<2.0	<0.50	<2.0	<2.2
1,2-Dichlorobenzene	(ug/L)	*60*	**600**	<0.20	<0.20	<0.20	<0.83	<0.83		<0.44	<0.50	<0.50	<0.50	<0.50	<0.71	<0.20	<0.20	<0.20	<0.83	<0.83	<0.20		<1.8		<2.0	<0.50	<2.0	<0.71
Dichlorodifluoromethane	(ug/L)	*200*	**1,000**	<0.50	<0.50	<0.50	<0.99	<0.99		<0.40	<0.16	<0.20	<0.22	<0.22	<0.50	<0.50	<0.50	<0.50	<0.99	<0.99	<0.50		<1.6		<0.81	<0.22	<0.81	<0.50
1,1-Dichloroethane	(ug/L)	*85*	**850**	<0.50	<0.50	<0.50	<0.75	<0.75		<0.28	<0.18	<0.24	<0.24	<0.24	<0.27	<0.50	<0.50	<0.50	<0.75	<0.75	0.54		<1.1		<0.97	<0.24	1.1 J	<0.27
1,2-Dichloroethane	(ug/L)	*0.5*	**5**	<0.50	<0.50	<0.50	<0.36	<0.36		<0.48	<0.17	<0.17	<0.17	<0.17	<0.28	<0.50	<0.50	<0.50	<0.36	<0.36	<0.50		<1.9		<0.67	<0.17	<0.67	<0.28
1,1-Dichloroethene	(ug/L)	*0.7*	**7**	<0.50	<0.50	<0.50	<0.57	<0.57		<0.43	<0.41	<0.41	<0.41	<0.41	<0.24	<0.50	<0.50	<0.50	<0.57	<0.57	<0.50		<1.7		<1.6	<0.41	<1.6	<0.24
Isopropylbenzene	(ug/L)	NS	NS	<0.20	<0.20	<0.20	<0.59	<0.59		<0.34	<0.12	<0.14	<0.14	<0.14	<0.39	<0.20	<0.20	<0.20	<0.59	<0.59	<0.20		<1.4		<0.57	<0.14	<0.57	<0.39
p-Isopropyltoluene	(ug/L)	NS	NS	<0.20	<0.20	<0.20	<0.67	<0.67		<0.40	<0.50	<0.50	<0.50	<0.50	<0.80	<0.20	<0.20	<0.20	<0.67	<0.67	<0.20		<1.6		<2.0	<0.50	<2.0	<0.80
n-Propylbenzene	(ug/L)	NS	NS	<0.50	<0.50	<0.50	<0.81	<0.81		<0.50	<0.50	<0.50	<0.50	<0.50	<0.81	<0.50	<0.50	<0.50	<0.81	<0.81	<0.50		<2.0		<2.0	<0.50	<2.0	<0.81
1,1,1-Trichlorethane	(ug/L)	*40*	**200**	<0.50	<0.50	<0.50	<0.90	<0.90		<0.44	<0.50	<0.50	<0.50	<0.50	<0.24	<0.50	<0.50	<0.50	<0.90	<0.90	<0.50		<1.8		<2.0	<0.50	<2.0	<0.24
1,1,2-Trichlorethane	(ug/L)	*0.5*	**5**	<0.25	<0.25	<0.25	<0.42	<0.42		<0.39	<0.16	<0.16	<0.20	<0.20	<0.55	<0.25	<0.25	<0.25	<0.42	<0.42	<0.25		<1.6		<0.62	<0.20	<0.79	<0.55

Excavation July 2013

Excavation July 2013

Not Sampled

Notes:

Xylenes reported as total of m-, o-, p-xylenes
TMB= trimethylbenzenes, PCE = Tetrachloroethene, TCE = Trichloroethene
NS = No standard established
NA = Not analyzed for parameter
J = Between limit of detection & limit of quantification
B= Analyte also present in trip blank

ITALICS indicates exceedance of NR 140.10 Preventive Action Limit
BOLD indicates exceedance of NR 140.10 Enforcement Standard

Table A.1
Groundwater Analytical Table - VOC
Gunderson Cleaners, Inc.
891 S. Green Bay Rd., Neenah, WI 54956
BRRTS# 02-71-4671001

Sample ID		NR 140.10 Preventive Action Limit	NR 140.10 Enforcement Standard	MW-105															PZ-106				
Sample Date				7/16/2004	7/16/2004	10/28/2004	10/28/2004	2/16/2005	12/9/2005	3/29/2006	2/13/2007		11/13/2013	5/30/2014	11/13/2014	6/11/2015	5/18/2016	8/23/2018	12/9/2005	3/28/2006	3/28/2006	2/13/2007	
Groundwater Elevation				744.07	744.07	741.89	741.89	742.47	742.97	743.98	741.63		744.55	747.45	745.68	747.41	746.74	743.50	737.07	744.27	744.27	740.04	
					D		D														D		
Benzene	(ug/L)	*0.5*	**5**	<0.20	<0.20	<0.20	<0.20	<0.20	<0.41	<0.41	<0.20	Excavation July 2013	<0.50	<0.50	<0.50	<0.50	<0.50	<0.25	<0.41	<0.41	<0.41	<0.20	Excavation Sept 2009, Removed 2009
Ethylbenzene	(ug/L)	*140*	**700**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.54	<0.54	<0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.22	<0.54	<0.54	<0.54	<0.50	
Toluene	(ug/L)	*160*	**800**	<0.20	<0.20	<0.20	0.26	<0.20	<0.67	<0.67	<0.20		<0.44	<0.50	<0.50	<0.50	<0.50	<0.17	<0.67	<0.67	<0.67	<0.20	
Xylenes (TOTAL)	(ug/L)	*400*	**2,000**	<0.50	<0.50	<0.50	<0.50	<0.50	<2.63	<2.63	<0.50		<1.32	<1.50	<1.5	<1.5	<1.5	<0.73	<2.63	<2.63	<2.63	<0.50	
Naphthalene	(ug/L)	*10*	**100**	<0.25	<0.25	<0.25	<0.25	<0.25	<0.74	<0.74	<0.25		<2.5	<2.5	<2.5	<2.5	<2.5	<1.2	<0.74	<0.74	<0.74	<0.25	
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/L)	*96*	**480**	<0.40	<0.40	<0.40	<0.40	<0.40	<1.80	<1.80	<0.40		<1.0	<1.0	<1.0	<1.0	<1.0	<1.71	<1.80	<1.80	<1.80	<0.40	
Tetrachloroethene (PCE)	(ug/L)	*0.5*	**5**	<0.50	<0.50	*0.73*	*0.96*	*1.1*	*1.8*	*0.98*	*1.5*		*76.7*	*82.1*	*91.9*	*20.3*	*77.2*	*4.5*	*53*	*2.1*	*2.5*	*1.5*	
Trichloroethene (TCE)	(ug/L)	*0.5*	**5**	<0.20	<0.20	*0.65*	*0.85*	*0.63*	*1.1*	<0.48	*0.73*		*21.0*	*20.9*	*25.1*	*7.6*	*22.1*	*18.7*	*7.3*	<0.48	<0.48	*33*	
cis-1,2-Dichloroethene	(ug/L)	*7*	**70**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.83	<0.83	<0.50		*7.3*	*7.7*	*9.2*	*3.7*	*8.1*	*11.2*	<0.83	<0.83	<0.83	<0.50	
trans-1,2-Dichloroethene	(ug/L)	*20*	**100**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.89	<0.89	<0.50		<0.37	<0.24	0.29J	<0.26	0.27 J	<1.1	<0.89	<0.89	<0.89	<0.50	
Vinyl Chloride	(ug/L)	*0.02*	**0.2**	<0.20	<0.20	<0.20	<0.20	<0.20	<0.18	<0.18	<0.20		<0.18	<0.18	<0.18	<0.18	<0.18	<0.17	<0.18	<0.18	<0.18	<0.20	
sec-Butylbenzene	(ug/L)	NS	NS	<0.25	<0.25	<0.25	<0.25	<0.25	<0.89	<0.89	<0.25		<0.60	<2.2	<2.2	<2.2	<2.2	<0.85	<0.89	<0.89	<0.89	<0.25	
Chlorobenzene	(ug/L)	NS	NS	<0.20	<0.20	<0.20	<0.20	<0.20	<0.41	<0.41	<0.20		<0.36	<0.50	<0.50	<0.50	<0.50	<0.71	<0.41	<0.41	<0.41	<0.20	
Chloroform	(ug/L)	*0.6*	**6**	<0.20	<0.20	<0.20	<0.20	<0.20	<0.37	<0.37	<0.20		<0.69	<2.5	<2.5	<2.5	<2.5	<1.3	<0.37	<0.37	<0.37	<0.20	
Chloromethane	(ug/L)	3	**30**	<0.20	<0.20	<0.20	<0.20	<0.20	<0.24	0.48	<0.20		<0.39	<0.50	<0.50	<0.50	<0.50	<2.2	<0.24	<0.24	<0.24	<0.20	
1,2-Dichlorobenzene	(ug/L)	*60*	**600**	<0.20	<0.20	<0.20	<0.20	<0.20	<0.83	<0.83	<0.20		<0.44	<0.50	<0.50	<0.50	<0.50	<0.71	<0.83	<0.83	<0.83	<0.20	
Dichlorodifluoromethane	(ug/L)	*200*	**1,000**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.99	<0.99	<0.50		<0.40	<0.16	<0.20	<0.22	<0.22	<0.50	<0.99	<0.99	<0.99	<0.50	
1,1-Dichloroethane	(ug/L)	*85*	**850**	<0.50	0.59	1.0	1.3	1.0	1.6	1.5	2.40		8.5	9.8	7.3	3.3	6.2	1.4	<0.75	<0.75	<0.75	<0.50	
1,2-Dichloroethane	(ug/L)	*0.5*	**5**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.36	<0.36	<0.50		<0.48	<0.17	<0.17	<0.17	<0.17	<0.28	<0.36	<0.36	<0.36	<0.50	
1,1-Dichloroethene	(ug/L)	*0.7*	**7**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.57	<0.57	<0.50		<0.43	<0.41	<0.41	<0.41	<0.41	<0.24	<0.57	<0.57	<0.57	<0.50	
Isopropylbenzene	(ug/L)	NS	NS	<0.20	<0.20	<0.20	<0.20	<0.20	<0.59	<0.59	<0.20		<0.34	<0.12	<0.14	<0.14	<0.14	<0.39	<0.59	<0.59	<0.59	<0.20	
p-Isopropyltoluene	(ug/L)	NS	NS	<0.20	<0.20	<0.20	<0.20	<0.20	<0.67	<0.67	<0.20		<0.40	<0.50	<0.50	<0.50	<0.50	<0.80	<0.67	<0.67	<0.67	<0.20	
n-Propylbenzene	(ug/L)	NS	NS	<0.50	<0.50	<0.50	<0.50	<0.50	<0.81	<0.81	<0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.81	<0.81	<0.81	<0.81	<0.50	
1,1,1-Trichlorethane	(ug/L)	*40*	**200**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.90	<0.90	<0.50		<0.44	<0.50	<0.50	<0.50	<0.50	<0.24	<0.90	<0.90	<0.90	<0.50	
1,1,2-Trichlorethane	(ug/L)	*0.5*	**5**	<0.25	<0.25	<0.25	<0.25	<0.25	<0.42	<0.42	<0.25		<0.39	<0.16	<0.16	<0.20	<0.20	<0.55	<0.42	<0.42	<0.42	<0.25	

Notes:
Xylenes reported as total of m-, o-, p-xylenes
TMB= trimethylbenzenes, PCE = Tetrachloroethene, TCE = Trichloroethene
NS = No standard established
NA = Not analyzed for parameter
J = Between limit of detection & limit of quantification
B= Analyte also present in trip blank

ITALICS indicates exceedance of NR 140.10 Preventive Action Limit
BOLD indicates exceedance of NR 140.10 Enforcement Standard

Table A.1
Groundwater Analytical Table - VOC
Gunderson Cleaners, Inc.
891 S. Green Bay Rd., Neenah, WI 54956
BRRTS# 02-71-4671001

Sample ID		NR 140.10 Preventive Action Limit	NR 140.10 Enforcement Standard	PZ-107											PZ-108								
Sample Date				12/9/2005	3/29/2006	3/29/2006	2/13/2007		11/13/2013	5/28/2014	11/13/2014	6/11/2015	5/18/2016	8/23/2018	12/9/2005	3/29/2006	2/13/2007		11/13/2013	5/30/2014	11/13/2014	6/11/2015	5/18/2016	8/23/2018
Groundwater Elevation				736.98		744.01	739.80		744.80	748.12	744.95	748.61	747.82	741.71	736.92	743.93	739.74		744.68	748.01	744.86	748.56	747.73	741.58
						D																		
Benzene	(ug/L)	*0.5*	**5**	<1.0	<1.0	<1.0	<0.20	Excavation July 2013	<0.50	<0.50	<0.50	<0.50	<0.50	<0.25	0.42	<0.41	<0.20	Excavation July 2013	<0.50	<0.50	<0.50	<0.50	<0.50	Not Sampled
Ethylbenzene	(ug/L)	*140*	**700**	<1.4	<1.4	<1.4	<0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.22	<0.54	<0.54	<0.50		<0.50	<0.50	<0.50	<0.50	<0.50	
Toluene	(ug/L)	*160*	**800**	<1.7	<1.7	<1.7	<0.20		<0.44	<0.50	<0.50	<0.50	<0.50	<0.17	<0.67	<0.67	<0.20		<0.44	<0.50	<0.50	<0.50	<0.50	
Xylenes (TOTAL)	(ug/L)	*400*	**2,000**	<6.6	<6.6	<6.6	<0.50		<1.32	<1.50	<1.5	<1.5	<1.5	<0.73	<2.63	<2.63	<0.50		<1.32	<1.50	<1.5	<1.5	<1.5	
Naphthalene	(ug/L)	*10*	**100**	<1.8	<1.8	<1.8	<0.25		<2.5	<2.5	<2.5	<2.5	<2.5	<1.2	<0.74	<0.74	<0.25		<2.5	<2.5	<2.5	<2.5	<2.5	
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/L)	*96*	**480**	<4.5	<4.5	<4.5	<0.40		<1.0	<1.0	<1.0	<1.0	<1.0	<1.71	<1.80	<1.80	<0.40		<1.0	<1.0	<1.0	<1.0	<1.0	
Tetrachloroethene (PCE)	(ug/L)	*0.5*	**5**	*270*	*340*	*330*	*79*		*282*	*298*	*241*	*5.9*	*148*	*75.5*	<0.45	<0.45	<0.50		*5.6*	<0.50	<0.50	<0.50	<0.50	
Trichloroethene (TCE)	(ug/L)	*0.5*	**5**	*25*	*32*	*33*	*12*		*41.0*	*64.4*	*95.9*	*19.3*	*86.2*	*94.1*	<0.48	<0.48	<0.20		*1.2*	<0.33	<0.33	<0.33	<0.33	
cis-1,2-Dichloroethene	(ug/L)	*7*	**70**	<2.1	<2.1	<2.1	<0.50		0.96J	1.3	*10.3*	*16.7*	*39.4*	*16.5*	<0.83	<0.83	<0.50		0.96J	<0.26	<0.26	<0.26	<0.26	
trans-1,2-Dichloroethene	(ug/L)	*20*	**100**	<2.2	<2.2	<2.2	<0.50		<0.37	<0.24	<0.26	<0.26	0.38 J	<1.1	<0.89	<0.89	<0.50		<0.37	<0.24	<0.26	<0.26	<0.26	
Vinyl Chloride	(ug/L)	*0.02*	**0.2**	<0.45	<0.45	<0.45	<0.20		<0.18	<0.18	<0.18	<0.18	<0.18	*0.26 J*	<0.18	<0.18	<0.20		<0.18	<0.18	<0.18	<0.18	<0.18	
sec-Butylbenzene	(ug/L)	NS	NS	<2.2	<2.2	<2.2	<0.25		<0.60	<2.2	<2.2	<2.2	<2.2	<0.85	<0.89	<0.89	<0.25		<0.60	<2.2	<2.2	<2.2	<2.2	
Chlorobenzene	(ug/L)	NS	NS	<1.0	<1.0	<1.0	<0.20		<0.36	<0.50	<0.50	<0.50	<0.50	<0.71	<0.41	<0.41	<0.20		<0.36	<0.50	<0.50	<0.50	<0.50	
Chloroform	(ug/L)	*0.6*	**6**	<0.92	<0.92	<0.92	<0.20		<0.69	<2.5	<2.5	<2.5	<2.5	<1.3	<0.37	<0.37	<0.20		<0.69	<2.5	<2.5	<2.5	<2.5	
Chloromethane	(ug/L)	3	**30**	<0.60	<0.60	<0.60	<0.20		<0.39	<0.50	<0.50	<0.50	<0.50	<2.2	<0.24	<0.24	<0.20		<0.39	<0.50	<0.50	<0.50	<0.50	
1,2-Dichlorobenzene	(ug/L)	*60*	**600**	<2.1	<2.1	<2.1	<0.20		<0.44	<0.50	<0.50	<0.50	<0.50	<0.71	<0.83	<0.83	<0.20		<0.44	<0.50	<0.50	<0.50	<0.50	
Dichlorodifluoromethane	(ug/L)	*200*	**1,000**	<2.5	<2.5	<2.5	<0.50		<0.40	<0.16	<0.20	<0.22	<0.22	<0.50	<0.99	<0.99	<0.50		<0.40	<0.16	<0.20	<0.22	<0.22	
1,1-Dichloroethane	(ug/L)	*85*	**850**	<1.9	<1.9	<1.9	<0.50		<0.28	0.54J	0.59J	<0.24	0.55 J	0.37 J	<0.75	<0.75	<0.50		<0.28	<0.18	<0.24	<0.24	<0.24	
1,2-Dichloroethane	(ug/L)	*0.5*	**5**	<0.90	<0.90	<0.90	<0.50		<0.48	<0.17	<0.17	<0.17	<0.17	<0.28	<0.36	<0.36	<0.50		<0.48	<0.17	<0.17	<0.17	<0.17	
1,1-Dichloroethene	(ug/L)	*0.7*	**7**	<1.4	<1.4	<1.4	<0.50		<0.43	<0.41	<0.41	<0.41	<0.41	0.25 J	<0.57	<0.57	<0.50		<0.43	<0.41	<0.41	<0.41	<0.41	
Isopropylbenzene	(ug/L)	NS	NS	<1.5	<1.5	<1.5	<0.20		<0.34	<0.12	<0.14	<0.14	<0.14	<0.39	<0.59	<0.59	<0.20		<0.34	<0.12	<0.14	<0.14	<0.14	
p-Isopropyltoluene	(ug/L)	NS	NS	<1.7	<1.7	<1.7	<0.20		<0.40	<0.50	<0.50	<0.50	<0.50	<0.80	<0.67	<0.67	<0.20		<0.40	<0.50	<0.50	<0.50	<0.50	
n-Propylbenzene	(ug/L)	NS	NS	<2.0	<2.0	<2.0	<0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.81	<0.81	<0.81	<0.50		<0.50	<0.50	<0.50	<0.50	<0.50	
1,1,1-Trichlorethane	(ug/L)	*40*	**200**	<2.2	<2.2	<2.2	<0.50		<0.44	<0.50	<0.50	<0.50	<0.50	<0.24	<0.90	<0.90	<0.50		<0.44	<0.50	<0.50	<0.50	<0.50	
1,1,2-Trichlorethane	(ug/L)	*0.5*	**5**	<1.0	<1.0	<1.0	<0.25		<0.39	<0.16	<0.16	<0.20	<0.20	<0.55	<0.42	<0.42	<0.25		<0.39	<0.16	<0.16	<0.20	<0.20	

Notes:
Xylenes reported as total of m-, o-, p-xylenes
TMB= trimethylbenzenes, PCE = Tetrachloroethene, TCE = Trichloroethene
NS = No standard established
NA = Not analyzed for parameter
J = Between limit of detection & limit of quantification
B= Analyte also present in trip blank

ITALICS indicates exceedance of NR 140.10 Preventive Action Limit
BOLD indicates exceedance of NR 140.10 Enforcement Standard

Table A.1
Groundwater Analytical Table - VOC
Gunderson Cleaners, Inc.
891 S. Green Bay Rd., Neenah, WI 54956
BRRTS# 02-71-4671001

Sample ID		NR 140.10 Preventive Action Limit	NR 140.10 Enforcement Standard	PZ-109										PZ-110									
Sample Date				12/9/2005	3/29/2006	2/13/2007		11/13/2013	5/28/2014	11/14/2014	6/10/2015	5/18/2016	8/23/2018	12/9/2005	12/9/2005	3/29/2006	2/12/2007		11/13/2013	5/28/2014	11/12/2014	6/10/2015	5/18/2016	8/23/2018
Groundwater Elevation				736.93	743.94	739.75		744.70	748.89	745.05	748.51	747.67	741.09	736.92	736.92	743.93	739.75		744.69	748.13	745.17	748.51	747.88	741.96
															D									
Benzene	(ug/L)	*0.5*	**5**	<0.41	<0.41	<0.20	Excavation July 2013	<0.50	<0.50	<0.50	<0.50	<0.50	<0.25	<0.41	<0.41	<0.41	<0.20	Excavation July 2013	<0.50	<0.50	<0.50	<0.50	<0.50	Not Sampled
Ethylbenzene	(ug/L)	*140*	**700**	<0.54	<0.54	<0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.22	<0.54	<0.54	<0.54	<0.50		<0.50	<0.50	<0.50	<0.50	<0.50	
Toluene	(ug/L)	*160*	**800**	<0.67	<0.67	<0.20		<0.44	<0.50	<0.50	<0.50	<0.50	<0.17	<0.67	<0.67	<0.67	<0.20		<0.44	<0.50	<0.50	<0.50	<0.50	
Xylenes (TOTAL)	(ug/L)	*400*	**2,000**	<2.63	<2.63	<0.50		<1.32	<1.50	<1.5	<1.5	<1.5	<0.73	<2.63	<2.63	<2.63	<0.50		<1.32	<1.50	<1.5	<1.5	<1.5	
Naphthalene	(ug/L)	*10*	**100**	<0.74	<0.74	<0.25		<2.5	<2.5	<2.5	<2.5	<2.5	<1.2	<0.74	<0.74	<0.74	<0.25		<2.5	<2.5	<2.5	<2.5	<2.5	
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/L)	*96*	**480**	<1.80	<1.80	<0.40		<1.0	<1.0	<1.0	<1.0	<1.0	<1.71	<1.80	<1.80	<1.80	<0.40		<1.0	<1.0	<1.0	<1.0	<1.0	
Tetrachloroethene (PCE)	(ug/L)	*0.5*	**5**	<0.45	<0.45	*1.8*		*2.2*	*0.85J*	*4.3*	*2.9*	*0.92 J*	*7.4*	<0.45	<0.45	*0.69*	*2.4*		*2.6*	<0.50	<0.50	<0.50	<0.50	
Trichloroethene (TCE)	(ug/L)	*0.5*	**5**	<0.48	<0.48	<0.20		*0.70J*	*0.80J*	*3.6*	*1.7*	*0.76 J*	*33.4*	<0.48	<0.48	<0.48	<0.20		<0.36	<0.33	<0.33	<0.33	<0.33	
cis-1,2-Dichloroethene	(ug/L)	*7*	**70**	<0.83	<0.83	<0.50		<0.42	<0.26	<0.26	<0.26	<0.26	*17.1*	<0.83	<0.83	<0.83	<0.50		<0.42	<0.26	<0.26	<0.26	<0.26	
trans-1,2-Dichloroethene	(ug/L)	*20*	**100**	<0.89	<0.89	<0.50		<0.37	<0.24	<0.26	<0.26	<0.26	<1.1	<0.89	<0.89	<0.89	<0.50		<0.37	<0.24	<0.26	<0.26	<0.26	
Vinyl Chloride	(ug/L)	*0.02*	**0.2**	<0.18	<0.18	<0.20		<0.18	<0.18	<0.18	<0.18	<0.18	<0.17	<0.18	<0.18	<0.18	<0.20		<0.18	<0.18	<0.18	<0.18	<0.18	
sec-Butylbenzene	(ug/L)	NS	NS	<0.89	<0.89	<0.25		<0.60	<2.2	<2.2	<2.2	<2.2	<0.85	<0.89	<0.89	<0.89	<0.25		<0.60	<2.2	<2.2	<2.2	<2.2	
Chlorobenzene	(ug/L)	NS	NS	<0.41	<0.41	<0.20		<0.36	<0.50	<0.50	<0.50	<0.50	<0.71	<0.41	<0.41	<0.41	<0.20		<0.36	<0.50	<0.50	<0.50	<0.50	
Chloroform	(ug/L)	*0.6*	**6**	<0.37	<0.37	<0.20		<0.69	<2.5	<2.5	<2.5	<2.5	<1.3	<0.37	<0.37	<0.37	<0.20		<0.69	<2.5	<2.5	<2.5	<2.5	
Chloromethane	(ug/L)	3	**30**	<0.24	<0.24	<0.20		<0.39	<0.50	<0.50	<0.50	<0.50	<2.2	<0.24	<0.24	0.49	<0.20		<0.39	<0.50	<0.50	<0.50	<0.50	
1,2-Dichlorobenzene	(ug/L)	*60*	**600**	<0.83	<0.83	<0.20		<0.44	<0.50	<0.50	<0.50	<0.50	<0.71	<0.83	<0.83	<0.83	<0.20		<0.44	<0.50	<0.50	<0.50	<0.50	
Dichlorodifluoromethane	(ug/L)	*200*	**1,000**	<0.99	<0.99	<0.50		<0.40	<0.16	<0.20	<0.22	<0.22	<0.50	<0.99	<0.99	<0.99	<0.50		<0.40	<0.16	<0.20	<0.22	<0.22	
1,1-Dichloroethane	(ug/L)	*85*	**850**	<0.75	<0.75	<0.50		<0.28	<0.18	<0.24	<0.24	<0.24	0.31 J	<0.75	<0.75	<0.75	<0.50		<0.28	<0.18	<0.24	<0.24	<0.24	
1,2-Dichloroethane	(ug/L)	*0.5*	**5**	<0.36	<0.36	<0.50		<0.48	<0.17	<0.17	<0.17	<0.17	<0.28	<0.36	<0.36	<0.36	<0.50		<0.48	<0.17	<0.17	<0.17	<0.17	
1,1-Dichloroethene	(ug/L)	*0.7*	**7**	<0.57	<0.57	<0.50		<0.43	<0.41	<0.41	<0.41	<0.41	<0.24	<0.57	<0.57	<0.57	<0.50		<0.43	<0.41	<0.41	<0.41	<0.41	
Isopropylbenzene	(ug/L)	NS	NS	<0.59	<0.59	<0.20		<0.34	<0.12	<0.14	<0.14	<0.14	<0.39	<0.59	<0.59	<0.59	<0.20		<0.34	<0.12	<0.14	<0.14	<0.14	
p-Isopropyltoluene	(ug/L)	NS	NS	<0.67	<0.67	<0.20		<0.40	<0.50	<0.50	<0.50	<0.50	<0.80	<0.67	<0.67	<0.67	<0.20		<0.40	<0.50	<0.50	<0.50	<0.50	
n-Propylbenzene	(ug/L)	NS	NS	<0.81	<0.81	<0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.81	<0.81	<0.81	<0.81	<0.50		<0.50	<0.50	<0.50	<0.50	<0.50	
1,1,1-Trichlorethane	(ug/L)	*40*	**200**	<0.90	<0.90	<0.50		<0.44	<0.50	<0.50	<0.50	<0.50	<0.24	<0.90	<0.90	<0.90	<0.50		<0.44	<0.50	<0.50	<0.50	<0.50	
1,1,2-Trichlorethane	(ug/L)	*0.5*	**5**	<0.42	<0.42	<0.25		<0.39	<0.16	<0.16	<0.20	<0.20	<0.55	<0.42	<0.42	<0.42	<0.25		<0.39	<0.16	<0.16	<0.20	<0.20	

Notes:
Xylenes reported as total of m-, o-, p-xylenes
TMB= trimethylbenzenes, PCE = Tetrachloroethene, TCE = Trichloroethene
NS = No standard established
NA = Not analyzed for parameter
J = Between limit of detection & limit of quantification
B= Analyte also present in trip blank

ITALICS indicates exceedance of NR 140.10 Preventive Action Limit
BOLD indicates exceedance of NR 140.10 Enforcement Standard

Table A.1
Groundwater Analytical Table - VOC
Gunderson Cleaners, Inc.
891 S. Green Bay Rd., Neenah, WI 54956
BRRTS# 02-71-4671001

Sample ID				PZ-111			MW-112										MW-113									
Sample Date		NR 140.10 Preventive Action Limit	NR 140.10 Enforcement Standard	11/17/2006	2/13/2007		11/17/2006	2/13/2007		5/16/2013		11/15/2013	5/29/2014	11/14/2014	6/11/2015	5/18/2016	8/23/2018	11/17/2006	2/14/2007		5/16/2013		11/15/2013	5/29/2014	11/14/2014	6/11/2015	5/18/2016	8/23/2018
Groundwater Elevation				739.73	740.06		DRY	744.90		749.17		749.05	750.43	750.20	750.84	750.87	745.77	743.62	744.20		748.51		745.39	749.00	748.44	749.14	749.35	744.32
Benzene	(ug/L)	*0.5*	**5**	<8.2	<10	Excavation Sept 2009, Removed 2009		<0.20	Excavation Sept 2009	<0.50	Excavation July 2013	<0.50	<0.50	<0.50	<0.50	<0.50	Not Sampled	<0.41	<0.20	Excavation Sept 2009	<0.50	Excavation July 2013	<0.50	<0.50	<0.50	<0.50	<0.50	Not Sampled
Ethylbenzene	(ug/L)	*140*	**700**	<11	<25			<0.50		<0.50		<0.50	<0.50	<0.50	<0.50	<0.50		<0.54	<0.50		<0.50		<0.50	<0.50	<0.50	<0.50	<0.50	
Toluene	(ug/L)	*160*	**800**	<13	<10			<0.20		<0.44		<0.44	<0.50	<0.50	<0.50	<0.50		<0.67	<0.20		<0.44		<0.44	<0.50	<0.50	<0.50	<0.50	
Xylenes (TOTAL)	(ug/L)	*400*	**2,000**	<53	<25			<0.50		<1.32		<1.32	<1.50	<1.5	<1.5	<1.5		<2.63	<0.50		<1.32		<1.32	<1.50	<1.5	<1.5	<1.5	
Naphthalene	(ug/L)	*10*	**100**	<15	<12			<0.25		<2.5		<2.5	<2.5	<2.5	<2.5	<2.5		<0.74	<0.25		<2.5		<2.5	<2.5	<2.5	<2.5	<2.5	
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/L)	*96*	**480**	<36	<20			<0.40		<3.07		<1.0	<1.0	<1.0	<1.0	<1.0		<1.80	<0.40		<3.07		<1.0	<1.0	<1.0	<1.0	<1.0	
Tetrachloroethene (PCE)	(ug/L)	*0.5*	**5**	*1,400*	*3,100*			<0.50		<0.47		<0.47	<0.50	<0.50	<0.50	<0.50		<0.45	<0.50		<0.47		<0.47	<0.50	<0.50	<0.50	<0.50	
Trichloroethene (TCE)	(ug/L)	*0.5*	**5**	<9.6	<10			<0.20		<0.43		<0.36	<0.33	<0.33	<0.33	<0.33		<0.48	<0.20		<0.43		<0.36	<0.33	<0.33	<0.33	<0.33	
cis-1,2-Dichloroethene	(ug/L)	*7*	**70**	<17	<25			<0.50		<0.42		<0.42	<0.26	<0.26	<0.26	<0.26		<0.83	<0.50		<0.42		<0.42	<0.26	<0.26	<0.26	<0.26	
trans-1,2-Dichloroethene	(ug/L)	*20*	**100**	<18	<25			<0.50		<0.37		<0.37	<0.24	<0.26	<0.26	<0.26		<0.89	<0.50		<0.37		<0.37	<0.24	<0.26	<0.26	<0.26	
Vinyl Chloride	(ug/L)	*0.02*	**0.2**	<3.6	<10			<0.20		<0.18		<0.18	<0.18	<0.18	<0.18	<0.18		<0.18	<0.20		<0.18		<0.18	<0.18	<0.18	<0.18	<0.18	
sec-Butylbenzene	(ug/L)	NS	NS	<18	<12			<0.25		<0.60		<0.60	<2.2	<2.2	<2.2	<2.2		<0.89	<0.25		<0.60		<0.60	<2.2	<2.2	<2.2	<2.2	
Chlorobenzene	(ug/L)	NS	NS	<8.2	<10			<0.20		<0.36		<0.36	<0.50	<0.50	<0.50	<0.50		<0.41	<0.20		<0.36		<0.36	<0.50	<0.50	<0.50	<0.50	
Chloroform	(ug/L)	*0.6*	**6**	<7.4	<10			<0.20		<0.69		<0.69	<2.5	<2.5	<2.5	<2.5		<0.37	<0.20		<0.69		<0.69	<2.5	<2.5	<2.5	<2.5	
Chloromethane	(ug/L)	3	**30**	<4.8	<10			<0.20		<0.39		<0.39	<0.50	<0.50	<0.50	<0.50		<0.24	<0.20		<0.39		<0.39	<0.50	<0.50	<0.50	<0.50	
1,2-Dichlorobenzene	(ug/L)	*60*	**600**	<17	<10			<0.20		<0.44		<0.44	<0.50	<0.50	<0.50	<0.50		<0.83	<0.20		<0.44		<0.44	<0.50	<0.50	<0.50	<0.50	
Dichlorodifluoromethane	(ug/L)	*200*	**1,000**	<20	<25			<0.50		<0.40		<0.40	<0.16	<0.20	<0.22	<0.22		<0.99	<0.50		<0.40		<0.40	<0.16	<0.20	<0.22	<0.22	
1,1-Dichloroethane	(ug/L)	*85*	**850**	<15	<25			<0.50		<0.28		<0.28	<0.18	<0.24	<0.24	<0.24		<0.75	<0.50		<0.28		<0.28	<0.18	<0.24	<0.24	<0.24	
1,2-Dichloroethane	(ug/L)	*0.5*	**5**	<7.2	<25			<0.50		<0.48		<0.48	<0.17	<0.17	<0.17	<0.17		<0.36	<0.50		<0.48		<0.48	<0.17	<0.17	<0.17	<0.17	
1,1-Dichloroethene	(ug/L)	*0.7*	**7**	<11	<25			<0.50		<0.43		<0.43	<0.41	<0.41	<0.41	<0.41		<0.57	<0.50		<0.43		<0.43	<0.41	<0.41	<0.41	<0.41	
Isopropylbenzene	(ug/L)	NS	NS	<12	<10			<0.20		<0.34		<0.34	<0.12	<0.14	<0.14	<0.14		<0.59	<0.20		<0.34		<0.34	<0.12	<0.14	<0.14	<0.14	
p-Isopropyltoluene	(ug/L)	NS	NS	<13	<10			<0.20		<0.40		<0.40	<0.50	<0.50	<0.50	<0.50		<0.67	<0.20		<0.40		<0.40	<0.50	<0.50	<0.50	<0.50	
n-Propylbenzene	(ug/L)	NS	NS	<16	<25			<0.50		<0.50		<0.50	<0.50	<0.50	<0.50	<0.50		<0.81	<0.50		<0.50		<0.50	<0.50	<0.50	<0.50	<0.50	
1,1,1-Trichlorethane	(ug/L)	*40*	**200**	<18	<25			<0.50		<0.44		<0.44	<0.50	<0.50	<0.50	<0.50		<0.90	<0.50		<0.44		<0.44	<0.50	<0.50	<0.50	<0.50	
1,1,2-Trichlorethane	(ug/L)	*0.5*	**5**	<8.4	<12			<0.25		<0.39		<0.39	<0.16	<0.16	<0.20	<0.20		<0.42	<0.25		<0.39		<0.39	<0.16	<0.16	<0.20	<0.20	

Notes:
Xylenes reported as total of m-, o-, p-xylenes
TMB= trimethylbenzenes, PCE = Tetrachloroethene, TCE = Trichloroethene
NS = No standard established
NA = Not analyzed for parameter
J = Between limit of detection & limit of quantification
B= Analyte also present in trip blank

ITALICS indicates exceedance of NR 140.10 Preventive Action Limit
BOLD indicates exceedance of NR 140.10 Enforcement Standard

Table A.1
Groundwater Analytical Table - VOC
Gunderson Cleaners, Inc.
891 S. Green Bay Rd., Neenah, WI 54956
BRRTS# 02-71-4671001

Sample ID				MW-114											MW-115									
Sample Date		NR 140.10 Preventive Action Limit	NR 140.10 Enforcement Standard	11/21/2006	2/14/2007		5/16/2013		11/15/2013	5/29/2014	11/14/2014	6/11/2015	5/18/2016	8/23/2018	11/17/2006	2/14/2007		5/30/2013		11/14/2013	5/29/2014	11/13/2014	6/11/2015	5/18/2016	8/23/2018
Groundwater Elevation				741.22	741.63		749.23		746.53	749.30	747.13	749.90	750.11	744.48	739.50	742.57		748.39		746.57	749.29	747.97	749.44	749.08	745.88
Benzene	(ug/L)	*0.5*	**5**	<0.41	<0.20	Excavation Sept 2009	<0.50	Excavation July 2013	<0.50	<0.50	<0.50	<0.50	<0.50	<0.25	<0.41	<0.20	Excavation Sept 2009	<0.50	Excavation July 2013	<0.50	<0.50	<0.50	<0.50	<0.50	<0.25
Ethylbenzene	(ug/L)	*140*	**700**	<0.54	<0.50		<0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.22	<0.54	<0.50		<0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.22
Toluene	(ug/L)	*160*	**800**	<0.67	<0.20		<0.44		<0.44	<0.50	<0.50	<0.50	<0.50	<0.17	<0.67	<0.20		<0.44		<0.44	<0.50	<0.50	<0.50	<0.50	<0.17
Xylenes (TOTAL)	(ug/L)	*400*	**2,000**	<2.63	<0.50		<1.32		<1.32	<1.50	<1.5	<1.5	<1.5	<0.73	<2.63	<0.50		<1.32		<1.32	<1.50	<1.5	<1.5	<1.5	<0.73
Naphthalene	(ug/L)	*10*	**100**	<0.74	<0.25		<2.5		<2.5	<2.5	<2.5	<2.5	<2.5	<1.2	<0.74	<0.25		<2.5		<2.5	<2.5	<2.5	<2.5	<2.5	<1.2
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/L)	*96*	**480**	<1.80	<0.40		<3.07		<1.0	<1.0	<1.0	<1.0	<1.0	<1.71	<1.80	<0.40		<3.07		<1.0	<1.0	<1.0	<1.0	<1.0	<1.71
Tetrachloroethene (PCE)	(ug/L)	*0.5*	**5**	<0.45	<0.50		*8.5*		*8.1*	*3.2*	*5.6*	*3.7*	*2.7*	*3.4*	<0.45	*9.8*		*11.6*		*15.5*	*6.2*	*6.4*	*5.0*	*3.2*	*1.6*
Trichloroethene (TCE)	(ug/L)	*0.5*	**5**	<0.48	<0.20		*10.5*		*8.7*	*2.8*	*7.7*	*4.9*	*2.9*	*3.2*	<0.48	*0.55*		*17.6*		*19.9*	*8.3*	*8.2*	*8.7*	*4.5*	*5.1*
cis-1,2-Dichloroethene	(ug/L)	*7*	**70**	<0.83	<0.50		*13.3*		*10.1*	3.1	*9.3*	5.4	3.5	3.9	<0.83	<0.50		*36.4*		*38.4*	*27.4*	*23.8*	*23.7*	*13.6*	*22.0*
trans-1,2-Dichloroethene	(ug/L)	*20*	**100**	<0.89	<0.50		0.75 J		0.56J	<0.24	0.36J	<0.26	<0.26	<1.1	<0.89	<0.50		1.7		1.9	2.2	1.7	1.8	1.1	1.8 J
Vinyl Chloride	(ug/L)	*0.02*	**0.2**	<0.18	<0.20		<0.18		<0.18	<0.18	<0.18	<0.18	<0.18	<0.17	<0.18	<0.20		<0.18		<0.18	<0.18	<0.18	<0.18	<0.18	<0.17
sec-Butylbenzene	(ug/L)	NS	NS	<0.89	<0.25		<0.60		<0.60	<2.2	<2.2	<2.2	<2.2	<0.85	<0.89	<0.25		<0.60		<0.60	<2.2	<2.2	<2.2	<2.2	<0.85
Chlorobenzene	(ug/L)	NS	NS	<0.41	<0.20		<0.36		<0.36	<0.50	<0.50	<0.50	<0.50	<0.71	<0.41	<0.20		<0.36		<0.36	<0.50	<0.50	<0.50	<0.50	<0.71
Chloroform	(ug/L)	*0.6*	**6**	<0.37	<0.20		<0.69		<0.69	<2.5	<2.5	<2.5	<2.5	<1.3	<0.37	<0.20		<0.69		<0.69	<2.5	<2.5	<2.5	<2.5	<1.3
Chloromethane	(ug/L)	3	**30**	<0.24	<0.20		<0.39		<0.39	<0.50	<0.50	<0.50	<0.50	<2.2	<0.24	<0.20		<0.39		<0.39	<0.50	<0.50	<0.50	<0.50	<2.2
1,2-Dichlorobenzene	(ug/L)	*60*	**600**	<0.83	<0.20		<0.44		<0.44	<0.50	<0.50	<0.50	<0.50	<0.71	<0.83	<0.20		<0.44		<0.44	<0.50	<0.50	<0.50	<0.50	<0.71
Dichlorodifluoromethane	(ug/L)	*200*	**1,000**	<0.99	<0.50		<0.40		<0.40	<0.16	<0.20	<0.22	<0.22	<0.50	<0.99	<0.50		<0.40		<0.40	<0.16	<0.20	<0.22	<0.22	<0.50
1,1-Dichloroethane	(ug/L)	*85*	**850**	<0.75	<0.50		<0.28		<0.28	<0.18	<0.24	<0.24	<0.24	<0.27	<0.75	<0.50		<0.28		<0.28	<0.18	<0.24	<0.24	<0.24	<0.27
1,2-Dichloroethane	(ug/L)	*0.5*	**5**	<0.36	<0.50		<0.48		<0.48	<0.17	<0.17	<0.17	<0.17	<0.28	<0.36	<0.50		<0.48		<0.48	<0.17	<0.17	<0.17	<0.17	<0.28
1,1-Dichloroethene	(ug/L)	*0.7*	**7**	<0.57	<0.50		<0.43		<0.43	<0.41	<0.41	<0.41	<0.41	<0.24	<0.57	<0.50		<0.43		<0.43	<0.41	<0.41	<0.41	<0.41	<0.24
Isopropylbenzene	(ug/L)	NS	NS	<0.59	<0.20		<0.34		<0.34	<0.12	<0.14	<0.14	<0.14	<0.39	<0.59	<0.20		<0.34		<0.34	<0.12	<0.14	<0.14	<0.14	<0.39
p-Isopropyltoluene	(ug/L)	NS	NS	<0.67	<0.20		<0.40		<0.40	<0.50	<0.50	<0.50	<0.50	<0.80	<0.67	<0.20		<0.40		<0.40	<0.50	<0.50	<0.50	<0.50	<0.80
n-Propylbenzene	(ug/L)	NS	NS	<0.81	<0.50		<0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.81	<0.81	<0.50		<0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.81
1,1,1-Trichlorethane	(ug/L)	*40*	**200**	<0.90	<0.50		<0.44		<0.44	<0.50	<0.50	<0.50	<0.50	<0.24	<0.90	<0.50		<0.44		<0.44	<0.50	<0.50	<0.50	<0.50	<0.24
1,1,2-Trichlorethane	(ug/L)	*0.5*	**5**	<0.42	<0.25		<0.39		<0.39	<0.16	<0.16	<0.20	<0.20	<0.55	<0.42	<0.25		<0.39		<0.39	<0.16	<0.16	<0.20	<0.20	<0.55

Notes:

Xylenes reported as total of m-, o-, p-xylenes
TMB= trimethylbenzenes, PCE = Tetrachloroethene, TCE = Trichloroethene
NS = No standard established
NA = Not analyzed for parameter
J = Between limit of detection & limit of quantification
B= Analyte also present in trip blank

ITALICS indicates exceedance of NR 140.10 Preventive Action Limit
BOLD indicates exceedance of NR 140.10 Enforcement Standard

Table A.1
Groundwater Analytical Table - VOC
Gunderson Cleaners, Inc.
891 S. Green Bay Rd., Neenah, WI 54956
BRRTS# 02-71-4671001

Sample ID				MW-116							MW-117							PZ-118						
Sample Date		NR 140.10 Preventive Action Limit	NR 140.10 Enforcement Standard		11/12/2013	5/30/2014	11/13/2014	6/11/2015	5/18/2016	8/23/2018		11/12/2013	5/30/2014	11/13/2014	6/11/2015	5/18/2016	8/23/2018		11/12/2013	5/30/2014	11/13/2014	6/11/2015	5/18/2016	8/23/2018
Groundwater Elevation					746.98	748.46	745.65	748.53	747.60	742.58		746.68	748.13	745.72	748.22	747.75	742.67		746.77	748.27	745.27	748.67	747.38	743.97
Benzene	(ug/L)	*0.5*	**5**	Excavation July 2013	<5.0	<12.5	<5.0	<12.5	<2.0	<0.25	Excavation July 2013	<0.50	<0.50	<0.50	<0.50	<0.50	Not Sampled	Excavation July 2013	*7.6*	<0.50	<0.50	<0.50	<0.50	Not Sampled
Ethylbenzene	(ug/L)	*140*	**700**		<5.0	<12.5	<5.0	<12.5	<2.0	<0.22		<0.50	<0.50	<0.50	<0.50	<0.50			<0.50	<0.50	<0.50	<0.50	<0.50	
Toluene	(ug/L)	*160*	**800**		<4.4	<12.5	<5.0	<12.5	<2.0	<0.17		<0.44	<0.50	<0.50	<0.50	<0.50			3.7	<0.50	<0.50	<0.50	<0.50	
Xylenes (TOTAL)	(ug/L)	*400*	**2,000**		<13.2	<37.5	<15.0	<37.5	<6.0	<0.73		<1.32	<1.50	<1.5	<1.5	<1.5			1.4J	<1.50	<1.5	<1.5	<1.5	
Naphthalene	(ug/L)	*10*	**100**		<25.0	<62.5	<25.0	<62.5	<10.0	<1.2		<2.5	<2.5	<2.5	<2.5	<2.5			<2.5	<2.5	<2.5	<2.5	<2.5	
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/L)	*96*	**480**		<10.0	<25	<10.0	<25.0	<4.0	<1.71		<1.0	<1.0	<1.0	<1.0	<1.0			<1.0	<1.0	<1.0	<1.0	<1.0	
Tetrachloroethene (PCE)	(ug/L)	*0.5*	**5**		*600*	*2,410*	*805*	*1,410*	*535*	*190*		<0.47	<0.50	<0.50	<0.50	<0.50			*0.51J*	<0.50	<0.50	<0.50	<0.50	
Trichloroethene (TCE)	(ug/L)	*0.5*	**5**		*28.1*	*72.8*	*29.2*	*45.0*	*16.0*	*6.9*		<0.36	<0.33	<0.33	<0.33	<0.33			<0.36	<0.33	<0.33	<0.33	<0.33	
cis-1,2-Dichloroethene	(ug/L)	*7*	**70**		<4.2	<6.4	<2.6	<6.4	<1.0	1.4		<0.42	<0.26	<0.26	<0.26	<0.26			<0.42	<0.26	<0.26	<0.26	<0.26	
trans-1,2-Dichloroethene	(ug/L)	*20*	**100**		<3.7	<5.9	<2.6	<6.4	<1.0	<1.1		<0.37	<0.24	<0.26	<0.26	<0.26			<0.37	<0.24	<0.26	<0.26	<0.26	
Vinyl Chloride	(ug/L)	*0.02*	**0.2**		<1.8	*4.5J*	<1.8	<4.4	<0.70	<0.17		<0.18	<0.18	<0.18	<0.18	<0.18			<0.18	<0.18	<0.18	<0.18	<0.18	
sec-Butylbenzene	(ug/L)	NS	NS		<6.0	<54.7	<21.9	<54.7	<8.7	<0.85		<0.60	<2.2	<2.2	<2.2	<2.2			<0.60	<2.2	<2.2	<2.2	<2.2	
Chlorobenzene	(ug/L)	NS	NS		<3.6	<12.5	<5.0	<12.5	<2.0	<0.71		<0.36	<0.50	<0.50	<0.50	<0.50			<0.36	<0.50	<0.50	<0.50	<0.50	
Chloroform	(ug/L)	*0.6*	**6**		<6.9	<62.5	<25.0	<62.5	<10.0	<1.3		<0.69	<2.5	<2.5	<2.5	<2.5			<0.69	<2.5	<2.5	<2.5	<2.5	
Chloromethane	(ug/L)	3	**30**		<3.9	<12.5	<5.0	<12.5	<2.0	<2.2		<0.39	<0.50	<0.50	<0.50	<0.50			<0.39	<0.50	<0.50	<0.50	<0.50	
1,2-Dichlorobenzene	(ug/L)	*60*	**600**		<4.4	<12.5	<5.0	<12.5	<2.0	<0.71		<0.44	<0.50	<0.50	<0.50	<0.50			<0.44	<0.50	<0.50	<0.50	<0.50	
Dichlorodifluoromethane	(ug/L)	*200*	**1,000**		<4.0	<3.9	<2.0	<5.6	<0.81	<0.50		<0.40	<0.16	<0.20	<0.22	<0.22			<0.40	<0.16	<0.20	<0.22	<0.22	
1,1-Dichloroethane	(ug/L)	*85*	**850**		<2.8	<4.6	<2.4	<6.0	<0.97	<0.27		<0.28	<0.18	<0.24	<0.24	<0.24			<0.28	<0.18	<0.24	<0.24	<0.24	
1,2-Dichloroethane	(ug/L)	*0.5*	**5**		<4.8	<4.2	<1.7	<4.2	<0.67	<0.28		<0.48	<0.17	<0.17	<0.17	<0.17			<0.48	<0.17	<0.17	<0.17	<0.17	
1,1-Dichloroethene	(ug/L)	*0.7*	**7**		<4.3	<10.3	<4.1	<10.3	<1.6	<0.24		<0.43	<0.41	<0.41	<0.41	<0.41			<0.43	<0.41	<0.41	<0.41	<0.41	
Isopropylbenzene	(ug/L)	NS	NS		<3.4	<2.9	<1.4	<3.6	<0.57	<0.39		<0.34	<0.12	<0.14	<0.14	<0.14			<0.34	<0.12	<0.14	<0.14	<0.14	
p-Isopropyltoluene	(ug/L)	NS	NS		<4.0	<12.5	<5.0	<12.5	<2.0	<0.80		<0.40	<0.50	<0.50	<0.50	<0.50			<0.40	<0.50	<0.50	<0.50	<0.50	
n-Propylbenzene	(ug/L)	NS	NS		<5.0	<12.5	<5.0	<12.5	<2.0	<0.81		<0.50	<0.50	<0.50	<0.50	<0.50			<0.50	<0.50	<0.50	<0.50	<0.50	
1,1,1-Trichlorethane	(ug/L)	*40*	**200**		<4.4	<12.5	<5.0	<12.5	<2.0	<0.24		<0.44	<0.50	<0.50	<0.50	<0.50			<0.44	<0.50	<0.50	<0.50	<0.50	
1,1,2-Trichlorethane	(ug/L)	*0.5*	**5**		<3.9	<3.9	<1.6	<4.9	<0.79	<0.55		<0.39	<0.16	<0.16	<0.20	<0.20			<0.39	<0.16	<0.16	<0.20	<0.20	

Notes:
Xylenes reported as total of m-, o-, p-xylenes
TMB= trimethylbenzenes, PCE = Tetrachloroethene, TCE = Trichloroethene
NS = No standard established
NA = Not analyzed for parameter
J = Between limit of detection & limit of quantification
B= Analyte also present in trip blank

ITALICS indicates exceedance of NR 140.10 Preventive Action Limit
BOLD indicates exceedance of NR 140.10 Enforcement Standard

Table A.1
Groundwater Analytical Table - VOC
Gunderson Cleaners, Inc.
891 S. Green Bay Rd., Neenah, WI 54956
BRRTS# 02-71-4671001

Sample ID					PZ-119						PZ-120						PZ-121					
Sample Date		NR 140.10 Preventive Action Limit	NR 140.10 Enforcement Standard		11/12/2013	5/29/2014	11/13/2014	6/11/2015	5/18/2016	8/23/2018	11/12/2013	5/30/2014	11/13/2014	6/11/2015	5/18/2016	8/23/2018	11/12/2013	5/30/2014	11/13/2014	6/11/2015	5/18/2016	8/23/2018
Groundwater Elevation					748.27	749.04	747.86	749.17	748.91	746.36	744.19	748.35	744.87	748.58	747.74	741.14	746.73	744.77	744.81	748.52	747.69	734.74
Benzene	(ug/L)	*0.5*	**5**	Excavation Sept 2009	<0.50	<5.0	<1.0	<5.0	<5.0	<0.25	<0.50	<0.50	<0.50	<0.50	<0.50	Not Sampled	<0.50	<0.50	<0.50	<0.50	<0.50	<0.25
Ethylbenzene	(ug/L)	*140*	**700**		<0.50	<5.0	<1.0	<5.0	<5.0	<0.22	<0.50	<0.50	<0.50	<0.50	<0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.22
Toluene	(ug/L)	*160*	**800**		<0.44	<5.0	<1.0	<5.0	<5.0	<0.17	<0.44	<0.50	<0.50	<0.50	<0.50		<0.44	<0.50	<0.50	<0.50	<0.50	<0.17
Xylenes (TOTAL)	(ug/L)	*400*	**2,000**		<1.32	<15.0	<3.0	<15.0	<15.0	<0.73	<1.32	<1.50	<1.5	<1.5	<1.5		<1.32	<1.50	<1.5	<1.5	<1.5	<0.73
Naphthalene	(ug/L)	*10*	**100**		<2.5	<25.0	<5.0	<25.0	<25.0	<1.2	<2.5	<2.5	<2.5	<2.5	<2.5		<2.5	<2.5	<2.5	<2.5	<2.5	<1.2
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/L)	*96*	**480**		<1.0	<10.0	<2.0	<10.0	<10.0	<1.71	<1.0	<1.0	<1.0	<1.0	<1.0		<1.0	<1.0	<1.0	<1.0	<1.0	<1.71
Tetrachloroethene (PCE)	(ug/L)	*0.5*	**5**		*178*	*1,190*	*178*	*424*	*1,260*	*32.0*	*1.3*	<0.50	<0.50	<0.50	<0.50		*83.7*	*110*	*40.4*	*0.93 J*	*73.2*	<0.33
Trichloroethene (TCE)	(ug/L)	*0.5*	**5**		*41.2*	*68.0*	*17.2*	*41.0*	*72.5*	*9.7*	<0.36	<0.33	<0.33	<0.33	<0.33		*28.2*	*65.9*	*80.0*	*0.67 J*	*138*	0.36 J
cis-1,2-Dichloroethene	(ug/L)	*7*	**70**		*25.8*	*28.2*	*10.8*	*23.1*	*27.6*	*7.8*	<0.42	<0.26	<0.26	<0.26	<0.26		2.1	*22.5*	*39.3*	<0.26	*28.5*	*20.5*
trans-1,2-Dichloroethene	(ug/L)	*20*	**100**		1.3	<2.4	0.85J	<2.6	<2.6	<1.1	<0.37	<0.24	<0.26	<0.26	<0.26		<0.37	0.25J	<0.26	<0.26	<0.26	<1.1
Vinyl Chloride	(ug/L)	*0.02*	**0.2**		*53.0*	*9.9J*	*8.2*	*8.9 J*	*6.4 J*	*1.5*	<0.18	<0.18	<0.18	<0.18	<0.18		*0.26J*	<0.18	<0.18	<0.18	*0.18 J*	<0.17
sec-Butylbenzene	(ug/L)	NS	NS		<0.60	<21.9	<4.4	<21.9	<21.9	<0.85	<0.60	<2.2	<2.2	<2.2	<2.2		<0.60	<2.2	<2.2	<2.2	<2.2	<0.85
Chlorobenzene	(ug/L)	NS	NS		<0.36	<5.0	<1.0	<5.0	<5.0	<0.71	<0.36	<0.50	<0.50	<0.50	<0.50		<0.36	<0.50	<0.50	<0.50	<0.50	<0.71
Chloroform	(ug/L)	*0.6*	**6**		<0.69	<25.0	<5.0	<25.0	<25.0	<1.3	<0.69	<2.5	<2.5	<2.5	<2.5		<0.69	<2.5	<2.5	<2.5	<2.5	<1.3
Chloromethane	(ug/L)	3	**30**		<0.39	<5.0	<1.0	<5.0	<5.0	<2.2	<0.39	<0.50	<0.50	<0.50	<0.50		<0.39	<0.50	<0.50	<0.50	<0.50	<2.2
1,2-Dichlorobenzene	(ug/L)	*60*	**600**		<0.44	<5.0	<1.0	<5.0	<5.0	<0.71	<0.44	<0.50	<0.50	<0.50	<0.50		<0.44	<0.50	<0.50	<0.50	<0.50	<0.71
Dichlorodifluoromethane	(ug/L)	*200*	**1,000**		<0.40	<1.6	<0.41	<2.2	<2.2	<0.50	<0.40	<0.16	<0.20	<0.22	<0.22		<0.40	<0.16	<0.20	<0.22	<0.22	<0.50
1,1-Dichloroethane	(ug/L)	*85*	**850**		<0.28	<1.8	<0.48	<2.4	<2.4	<0.27	<0.28	<0.18	<0.24	<0.24	<0.24		0.53J	0.32J	0.36J	<0.24	0.82 J	<0.27
1,2-Dichloroethane	(ug/L)	*0.5*	**5**		<0.48	<1.7	<0.34	<1.7	<1.7	<0.28	<0.48	<0.17	<0.17	<0.17	<0.17		<0.48	<0.17	<0.17	<0.17	<0.17	<0.28
1,1-Dichloroethene	(ug/L)	*0.7*	**7**		<0.43	<4.1	<0.82	<4.1	<4.1	<0.24	<0.43	<0.41	<0.41	<0.41	<0.41		<0.43	<0.41	<0.41	<0.41	0.43 J	<0.24
Isopropylbenzene	(ug/L)	NS	NS		<0.34	<1.2	<0.29	<1.4	<1.4	<0.39	<0.34	<0.12	<0.14	<0.14	<0.14		<0.34	<0.12	<0.14	<0.14	<0.14	<0.39
p-Isopropyltoluene	(ug/L)	NS	NS		<0.40	<5.0	<1.0	<5.0	<5.0	<0.80	<0.40	<0.50	<0.50	<0.50	<0.50		<0.40	<0.50	<0.50	<0.50	<0.50	<0.80
n-Propylbenzene	(ug/L)	NS	NS		<0.50	<5.0	<1.0	<5.0	<5.0	<0.81	<0.50	<0.50	<0.50	<0.50	<0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.81
1,1,1-Trichlorethane	(ug/L)	*40*	**200**		<0.44	<5.0	<1.0	<5.0	<5.0	<0.24	<0.44	<0.50	<0.50	<0.50	<0.50		<0.44	<0.50	<0.50	<0.50	<0.50	<0.24
1,1,2-Trichlorethane	(ug/L)	*0.5*	**5**		<0.39	<1.6	<0.31	<2.0	<2.0	<0.55	<0.39	<0.16	<0.16	<0.20	<0.20		<0.39	<0.16	<0.16	<0.20	<0.20	<0.55

Notes:
Xylenes reported as total of m-, o-, p-xylenes
TMB= trimethylbenzenes, PCE = Tetrachloroethene, TCE = Trichloroethene
NS = No standard established
NA = Not analyzed for parameter
J = Between limit of detection & limit of quantification
B= Analyte also present in trip blank

ITALICS indicates exceedance of NR 140.10 Preventive Action Limit
BOLD indicates exceedance of NR 140.10 Enforcement Standard

Table A.1
Groundwater Analytical Table - VOC
Gunderson Cleaners, Inc.
891 S. Green Bay Rd., Neenah, WI 54956
BRRTS# 02-71-4671001

Sample ID				PZ-122						PZ-123	PZ-124	PZ-125	Sump A										
Sample Date		NR 140.10 Preventive Action Limit	NR 140.10 Enforcement Standard	11/12/2013	5/29/2014	11/14/2014	6/11/2015	5/18/2016	8/23/2018	8/23/2018	8/23/2018	8/23/2018		5/30/2013		8/21/2013	11/15/2013	11/15/2013	5/30/2014	5/30/2014	11/13/2014	6/11/2015	5/18/2016	8/23/2018
Groundwater Elevation				747.22	748.66	745.26	748.55	747.71	741.18	734.23	741.43	745.28		NA		NA	747.62	747.62 D	749.17	749.17 D	747.80	748.68	748.53	745.67
Benzene	(ug/L)	*0.5*	**5**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.25	<0.25	<0.25	<0.25	Excavation Sept 2009	<2.5	Excavation July 2013	<2.5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.5
Ethylbenzene	(ug/L)	*140*	**700**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.22	<0.22	<0.22	<0.22		<2.5		<2.5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.2
Toluene	(ug/L)	*160*	**800**	<0.44	<0.50	<0.50	<0.50	<0.50	<0.17	0.18 J B	<0.17	0.23 J B		<2.2		<2.2	<4.4	<4.4	<5.0	<5.0	<5.0	<5.0	<5.0	<1.7
Xylenes (TOTAL)	(ug/L)	*400*	**2,000**	<1.32	<1.50	<1.5	<1.5	<1.5	<0.73	<0.73	<0.73	<0.73		<6.6		<6.6	<13.2	<13.2	<15.0	<15.0	<15.0	<15.0	<15.0	<7.3
Naphthalene	(ug/L)	*10*	**100**	<2.5	<2.5	<2.5	<2.5	<2.5	<1.2	<1.2	<1.2	<1.2		<12.5		<12.5	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<11.8
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/L)	*96*	**480**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.71	<1.71	<1.71	<1.71		<15.4		<15.4	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<17.1
Tetrachloroethene (PCE)	(ug/L)	*0.5*	**5**	*238*	*164*	*165*	*175*	*118*	*11.6*	<0.33	<0.33	<0.33		*484*		*1,060*	*536*	*538*	*1,170*	*1,140*	*997*	*1,740*	*1,200*	*773*
Trichloroethene (TCE)	(ug/L)	*0.5*	**5**	*52.8*	*40.8*	*45.4*	*44.0*	*46.5*	*16.1*	<0.26	<0.26	<0.26		*2.5J*		*7.5*	*5.9J*	*8.3J*	*10.4*	*9.5J*	*12.3*	*25.5*	*34.3*	*23.9*
cis-1,2-Dichloroethene	(ug/L)	*7*	**70**	0.56J	<0.26	0.42J	0.42 J	0.85 J	3.8	<0.27	<0.27	<0.27		<2.1		<2.1	<4.2	5.2J	<2.6	<2.6	3.7J	*3.6 J*	*6.1 J*	4.0 J
trans-1,2-Dichloroethene	(ug/L)	*20*	**100**	<0.37	<0.24	<0.26	<0.26	0.29 J	<1.1	<1.1	<1.1	<1.1		<1.9		<1.9	<3.7	<3.7	<2.4	<2.4	<2.6	<2.6	<2.6	<10.9
Vinyl Chloride	(ug/L)	*0.02*	**0.2**	*0.35J*	<0.18	<0.18	<0.18	<0.18	<0.17	<0.17	<0.17	<0.17		<0.92		<0.92	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.7
sec-Butylbenzene	(ug/L)	NS	NS	<0.60	<2.2	<2.2	<2.2	<2.2	<0.85	<0.85	<0.85	<0.85		<3.0		<3.0	<6.0	<6.0	<21.9	<21.9	<21.9	<21.9	<21.9	<8.5
Chlorobenzene	(ug/L)	NS	NS	<0.36	<0.50	<0.50	<0.50	<0.50	<0.71	<0.71	<0.71	<0.71		<1.8		<1.8	<3.6	<3.6	<5.0	<5.0	<5.0	<5.0	<5.0	<7.1
Chloroform	(ug/L)	*0.6*	**6**	<0.69	<2.5	<2.5	<2.5	<2.5	<1.3	<1.3	<1.3	<1.3		<3.4		<3.4	<6.9	<6.9	<25.0	<25.0	<25.0	<25.0	<25.0	<12.7
Chloromethane	(ug/L)	3	**30**	<0.39	<0.50	1.1	<0.50	<0.50	<2.2	<2.2	<2.2	<2.2		<1.9		<1.9	<3.9	<3.9	<5.0	<5.0	<5.0	<5.0	<5.0	<21.9
1,2-Dichlorobenzene	(ug/L)	*60*	**600**	<0.44	<0.50	<0.50	<0.50	<0.50	<0.71	<0.71	<0.71	<0.71		<2.2		<2.2	<4.4	<4.4	<5.0	<5.0	<5.0	<5.0	<5.0	<7.1
Dichlorodifluoromethane	(ug/L)	*200*	**1,000**	<0.40	<0.16	<0.20	<0.22	<0.22	<0.50	<0.50	<0.50	<0.50		<2.0		<2.0	<4.0	<4.0	<1.6	<1.6	<2.0	<2.2	<2.2	<5.0
1,1-Dichloroethane	(ug/L)	*85*	**850**	<0.28	<0.18	<0.24	<0.24	<0.24	<0.27	<0.27	<0.27	<0.27		<1.4		<1.4	<2.8	<2.8	<1.8	<1.8	<2.4	<2.4	<2.4	<2.7
1,2-Dichloroethane	(ug/L)	*0.5*	**5**	<0.48	<0.17	<0.17	<0.17	<0.17	<0.28	<0.28	<0.28	<0.28		<2.4		<2.4	<4.8	<4.8	<1.7	<1.7	<1.7	<1.7	<1.7	<2.8
1,1-Dichloroethene	(ug/L)	*0.7*	**7**	<0.43	<0.41	<0.41	<0.41	<0.41	<0.24	<0.24	<0.24	<0.24		<2.1		<2.1	<4.3	<4.3	<4.1	<4.1	<4.1	<4.1	<4.1	<2.4
Isopropylbenzene	(ug/L)	NS	NS	<0.34	<0.12	<0.14	<0.14	<0.14	<0.39	<0.39	<0.39	<0.39		<1.7		<1.7	<3.4	<3.4	<1.2	<1.2	<1.4	<1.4	<1.4	<3.9
p-Isopropyltoluene	(ug/L)	NS	NS	<0.40	<0.50	<0.50	<0.50	<0.50	<0.80	<0.80	<0.80	<0.80		<2.0		<2.0	<4.0	<4.0	<5.0	<5.0	<5.0	<5.0	<5.0	<8.0
n-Propylbenzene	(ug/L)	NS	NS	<0.50	<0.50	<0.50	<0.50	<0.50	<0.81	<0.81	<0.81	<0.81		<2.5		<2.5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<8.1
1,1,1-Trichlorethane	(ug/L)	*40*	**200**	<0.44	<0.50	<0.50	<0.50	<0.50	<0.24	<0.24	<0.24	<0.24		<2.2		<2.2	<4.4	<4.4	<5.0	<5.0	<5.0	<5.0	<5.0	<2.4
1,1,2-Trichlorethane	(ug/L)	*0.5*	**5**	<0.39	<0.16	<0.16	<0.20	<0.20	<0.55	<0.55	<0.55	<0.55		<1.9		<1.9	<3.9	<3.9	<1.6	<1.6	<1.6	<2.0	<2.0	<5.5

Notes:
Xylenes reported as total of m-, o-, p-xylenes
TMB= trimethylbenzenes, PCE = Tetrachloroethene, TCE = Trichloroethene
NS = No standard established
NA = Not analyzed for parameter
J = Between limit of detection & limit of quantification
B= Analyte also present in trip blank

ITALICS indicates exceedance of NR 140.10 Preventive Action Limit
BOLD indicates exceedance of NR 140.10 Enforcement Standard

Table A.1
Groundwater Analytical Table - VOC
Gunderson Cleaners, Inc.
891 S. Green Bay Rd., Neenah, WI 54956
BRRTS# 02-71-4671001

Sample ID		NR 140.10 Preventive Action Limit	NR 140.10 Enforcement Standard	Sump B								Sump C								Sump D							
Sample Date					5/16/2013	8/21/2013	11/14/2013	5/28/2014	11/13/2014	6/11/2015	5/18/2016	8/23/2018		5/16/2013		8/21/2013	11/14/2013	5/28/2014	11/13/2014	6/11/2015	5/18/2016	8/23/2018		7/31/2013	8/15/2013	11/15/2013	5/30/2014	11/13/2014	6/10/2015	5/18/2016	8/23/2018
Groundwater Elevation					NA	NA	748.41	749.10	747.96	749.13	748.90	745.97		NA		NA	748.16	748.85	747.72	749.06	748.81	745.47		NA	NA	746.64	748.18	744.80	748.53	747.64	741.88
																								Grab from Excvn							
Benzene	(ug/L)	*0.5*	**5**	Excavation Sept 2009	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.25	Excavation Sept 2009	<0.50	Excavation July 2013	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.25	Excavation July 2013	<25.0	<50.0	<25.0	<10.0	<10.0	<10.0	<10.0	<2.5
Ethylbenzene	(ug/L)	*140*	**700**		<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.22		<0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.22		<25.0	<50.0	<25.0	<10.0	<10.0	<10.0	<10.0	<2.2
Toluene	(ug/L)	*160*	**800**		<0.44	<0.88	<0.44	<0.50	<0.50	<0.50	<0.50	<0.17		<0.44		<0.44	<0.44	<0.50	<0.50	<0.50	<0.50	<0.17		<21.9	<43.9	<21.9	<10.0	<10.0	<10.0	<10.0	<1.7
Xylenes (TOTAL)	(ug/L)	*400*	**2,000**		<1.32	<2.6	<1.32	<1.50	<1.5	<1.5	<1.5	<0.73		<1.32		<1.32	<1.32	<1.50	<1.5	<1.5	<1.5	<0.73		<65.9	<131.7	<65.9	<30.0	<30.0	<30.0	<30.0	<7.3
Naphthalene	(ug/L)	*10*	**100**		<2.5	<5.0	<2.5	<2.5	<2.5	<2.5	<2.5	<1.2		<2.5		<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<1.2		<125	<250	<125	<50.0	<50.0	<50.0	<50.0	<11.8
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/L)	*96*	**480**		<3.07	<6.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.71		<3.07		<3.07	<1.0	<1.0	<1.0	<1.0	<1.0	<1.71		<153.6	<307.2	<50.0	<20.0	<20.0	<20.0	<20.0	<17.1
Tetrachloroethene (PCE)	(ug/L)	*0.5*	**5**		*9.0*	*333*	*10.2*	*36.4*	*5.6*	*7.0*	*10.9*	*17.3*		*68.4*		*185*	*47.3*	*133*	*41.7*	*166*	*146*	*48.8*		*7,540*	*4,730*	*2,850*	*1,970*	*1,070*	*1,630*	*1040*	*1,250*
Trichloroethene (TCE)	(ug/L)	*0.5*	**5**		*10.9*	*198*	*16.2*	*34.0*	*10.8*	*14.0*	*11.3*	*12.6*		*44.8*		*125*	*76.7*	*29.9*	*25.5*	*33.2*	*30.8*	*13.1*		*46.3J*	<42.9	*59.8*	*28.0*	*19.3J*	*32.1*	*38.0*	*39.4*
cis-1,2-Dichloroethene	(ug/L)	*7*	**70**		2.9	*40.0*	*9.4*	*19.3*	*8.3*	*12.9*	*10.6*	5.2		*16.4*		*45.0*	*37.4*	*21.1*	*16.4*	*21.4*	*24.0*	5.2		<21.0	<41.9	<21.0	<5.1	<5.1	<5.1	<5.1	5.0 J
trans-1,2-Dichloroethene	(ug/L)	*20*	**100**		<0.37	2.3	0.94J	1.3	0.66J	1.1	0.78 J	<1.1		1.2		1.6	2.1	1.4	1.6	1.5	1.6	<1.1		<18.6	<37.1	<18.6	<4.8	<5.1	<5.1	<5.1	<10.9
Vinyl Chloride	(ug/L)	*0.02*	**0.2**		*2.4*	*33.0*	*27.1*	*3.9*	*1.2*	*0.89 J*	*0.64 J*	*0.60 J*		*26.3*		*47.6*	*78.4*	*5.8*	*26.2*	*10.1*	*11.6*	*1.0*		<9.2	<18.5	<9.2	<3.5	<3.5	<3.5	<3.5	<1.7
sec-Butylbenzene	(ug/L)	NS	NS		<0.60	<1.2	<0.60	<2.2	<2.2	<2.2	<2.2	<0.85		<0.60		<0.60	<0.60	<2.2	<2.2	<2.2	<2.2	<0.85		<30.2	<60.5	<30.2	<43.7	<43.7	<43.7	<43.7	<8.5
Chlorobenzene	(ug/L)	NS	NS		<0.36	<0.72	<0.36	<0.50	<0.50	<0.50	<0.50	<0.71		<0.36		<0.36	<0.36	<0.50	<0.50	<0.50	<0.50	<0.71		<17.9	<35.8	<17.9	<10.0	<10.0	<10.0	<10.0	<7.1
Chloroform	(ug/L)	*0.6*	**6**		<0.69	<1.4	<0.69	<2.5	<2.5	<2.5	<2.5	<1.3		<0.69		<0.69	<0.69	<2.5	<2.5	<2.5	<2.5	<1.3		<34.4	<68.9	<34.4	<50.0	<50.0	<50.0	<50.0	<12.7
Chloromethane	(ug/L)	3	**30**		<0.39	<0.78	<0.39	<0.50	<0.50	<0.50	<0.50	<2.2		<0.39		<0.39	<0.39	<0.50	<0.50	<0.50	<0.50	<2.2		<19.4	<38.8	<19.4	<10.0	<10.0	<10.0	<10.0	<21.9
1,2-Dichlorobenzene	(ug/L)	*60*	**600**		<0.44	<0.88	<0.44	<0.50	<0.50	<0.50	<0.50	<0.71		<0.44		<0.44	<0.44	<0.50	<0.50	<0.50	<0.50	<0.71		<21.9	<43.9	<21.9	<10.0	<10.0	<10.0	<10.0	<7.1
Dichlorodifluoromethane	(ug/L)	*200*	**1,000**		<0.40	<0.80	<0.40	<0.16	<0.20	<0.22	<0.22	<0.50		<0.40		<0.40	<0.40	<0.16	<0.20	<0.22	<0.22	<0.50		<20.0	<40.1	<20.0	<3.1	<4.1	<4.1	<4.5	<5.0
1,1-Dichloroethane	(ug/L)	*85*	**850**		<0.28	<0.57	<0.28	<0.18	<0.24	<0.24	<0.24	<0.27		<0.28		<0.28	<0.28	<0.18	<0.24	<0.24	<0.24	<0.27		<14.2	<28.5	<14.2	<3.7	<4.8	<4.8	<4.8	<2.7
1,2-Dichloroethane	(ug/L)	*0.5*	**5**		<0.48	<0.95	<0.48	<0.17	<0.17	<0.17	<0.17	<0.28		<0.48		<0.48	<0.48	<0.17	<0.17	<0.17	<0.17	<0.28		<23.8	<47.6	<23.8	<3.4	<3.4	<3.4	<3.4	<2.8
1,1-Dichloroethene	(ug/L)	*0.7*	**7**		<0.43	<0.85	<0.43	<0.41	<0.41	<0.41	<0.41	<0.24		<0.43		<0.43	<0.43	<0.41	<0.41	<0.41	<0.41	<0.24		<21.3	<42.7	<21.3	<8.2	<8.2	<8.2	<8.2	<2.4
Isopropylbenzene	(ug/L)	NS	NS		<0.34	<0.68	<0.34	<0.12	<0.14	<0.14	<0.14	<0.39		<0.34		<0.34	<0.34	<0.12	<0.14	<0.14	<0.14	<0.39		<17.0	<34.1	<17.0	<2.3	<2.9	<2.9	<2.9	<3.9
p-Isopropyltoluene	(ug/L)	NS	NS		<0.40	<0.79	<0.40	<0.50	<0.50	<0.50	<0.50	<0.80		<0.40		<0.40	<0.40	<0.50	<0.50	<0.50	<0.50	<0.80		<19.9	<39.7	<19.9	<10.0	<10.0	<10.0	<10.0	<8.0
n-Propylbenzene	(ug/L)	NS	NS		<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.81		<0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.81		<25.0	<50.0	<25.0	<10.0	<10.0	<10.0	<10.0	<8.1
1,1,1-Trichlorethane	(ug/L)	*40*	**200**		<0.44	<0.89	<0.44	<0.50	<0.50	<0.50	<0.50	<0.24		<0.44		<0.44	<0.44	<0.50	<0.50	<0.50	<0.50	<0.24		<22.1	<44.3	<22.1	<10.0	<10.0	<10.0	<10.0	<2.4
1,1,2-Trichlorethane	(ug/L)	*0.5*	**5**		<0.39	<0.78	<0.39	<0.16	<0.16	<0.20	<0.20	<0.55		<0.39		<0.39	<0.39	<0.16	<0.16	<0.20	<0.20	<0.55		<19.5	<39.0	<19.5	<3.1	<3.1	<3.1	<3.9	<5.5

Notes:
Xylenes reported as total of m-, o-, p-xylenes
TMB= trimethylbenzenes, PCE = Tetrachloroethene, TCE = Trichloroethene
NS = No standard established
NA = Not analyzed for parameter
J = Between limit of detection & limit of quantification
B= Analyte also present in trip blank

ITALICS indicates exceedance of NR 140.10 Preventive Action Limit
BOLD indicates exceedance of NR 140.10 Enforcement Standard

Table A.1
Groundwater Analytical Table - VOC
Gunderson Cleaners, Inc.
891 S. Green Bay Rd., Neenah, WI 54956
BRRTS# 02-71-4671001

Sample ID				Trip Blank															
Sample Date		NR 140.10 Preventive Action Limit	NR 140.10 Enforcement Standard	2/17/2004	7/13/2004	7/16/2004	10/28/2004	10/29/2004	2/16/2005	2/17/2005	12/1/2005	12/14/2005	3/28/2006	11/17/2006	2/12/2007	5/30/2014	11/12/2014	6/10/2015	5/18/2016	8/23/2018
Groundwater Elevation																				
Benzene	(ug/L)	*0.5*	**5**	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.41	<0.41	<0.41	<0.41	<0.20	<0.50	<0.50	<0.50	<0.50	<0.25
Ethylbenzene	(ug/L)	*140*	**700**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.54	<0.54	<0.54	<0.54	<0.50	<0.50	<0.50	<0.50	<0.50	<0.22
Toluene	(ug/L)	*160*	**800**	<0.20	<0.20	0.27	<0.20	<0.20	<0.20	<0.20	<0.67	<0.67	<0.67	<0.67	0.39	<0.50	<0.50	<0.50	<0.50	0.48
Xylenes (TOTAL)	(ug/L)	*400*	**2,000**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.63	<2.63	<2.63	<2.63	<0.50	<1.50	<1.50	<1.50	<1.50	<0.73
Naphthalene	(ug/L)	*10*	**100**	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.74	<0.74	<0.74	<0.74	<0.25	<2.5	<2.5	<2.5	<2.5	<1.2
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/L)	*96*	**480**	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<1.80	<1.80	<1.80	<1.80	<0.40	<1.0	<1.0	<1.0	<1.0	<1.71
Tetrachloroethene (PCE)	(ug/L)	*0.5*	**5**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.45	<0.45	<0.45	<0.45	<0.50	<0.50	<0.50	<0.50	<0.50	<0.33
Trichloroethene (TCE)	(ug/L)	*0.5*	**5**	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.48	<0.48	<0.48	<0.48	<0.20	<0.33	<0.33	<0.33	<0.33	<0.26
cis-1,2-Dichloroethene	(ug/L)	*7*	**70**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.83	<0.83	<0.83	<0.83	<0.50	<0.26	<0.26	<0.26	<0.26	<0.27
trans-1,2-Dichloroethene	(ug/L)	*20*	**100**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.89	<0.89	<0.89	<0.89	<0.50	<0.24	<0.24	<0.24	<0.24	<1.1
Vinyl Chloride	(ug/L)	*0.02*	**0.2**	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.18	<0.18	<0.18	<0.18	<0.20	<0.18	<0.18	<0.18	<0.18	<0.17
sec-Butylbenzene	(ug/L)	NS	NS	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.89	<0.89	<0.89	<0.89	<0.25	<2.2	<2.2	<2.2	<2.2	<0.85
Chlorobenzene	(ug/L)	NS	NS	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.41	<0.41	<0.41	<0.41	<0.20	<0.50	<0.50	<0.50	<0.50	<0.71
Chloroform	(ug/L)	*0.6*	**6**	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.37	<0.37	<0.37	<0.37	<0.20	<2.5	<2.5	<2.5	<2.5	<1.3
Chloromethane	(ug/L)	3	**30**	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.24	<0.24	<0.24	<0.24	<0.20	<0.50	<0.50	<0.50	<0.50	<2.2
1,2-Dichlorobenzene	(ug/L)	*60*	**600**	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.83	<0.83	<0.83	<0.83	<0.20	<0.50	<0.50	<0.50	<0.50	<0.71
Dichlorodifluoromethane	(ug/L)	*200*	**1,000**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.99	<0.99	<0.99	<0.99	<0.50	<0.16	<0.16	<0.16	<0.22	<0.50
1,1-Dichloroethane	(ug/L)	*85*	**850**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.75	<0.75	<0.75	<0.75	<0.50	<0.18	<0.18	<0.18	<0.24	<0.27
1,2-Dichloroethane	(ug/L)	*0.5*	**5**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.36	<0.36	<0.36	<0.36	<0.50	<0.17	<0.17	<0.17	<0.17	<0.28
1,1-Dichloroethene	(ug/L)	*0.7*	**7**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.57	<0.57	<0.57	<0.57	<0.50	<0.41	<0.41	<0.41	<0.41	<0.24
Isopropylbenzene	(ug/L)	NS	NS	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.59	<0.59	<0.59	<0.59	<0.20	<0.12	<0.12	<0.12	<0.14	<0.39
p-Isopropyltoluene	(ug/L)	NS	NS	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.67	<0.67	<0.67	<0.67	<0.20	<0.50	<0.50	<0.50	<0.50	<0.80
n-Propylbenzene	(ug/L)	NS	NS	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.81	<0.81	<0.81	<0.81	<0.50	<0.50	<0.50	<0.50	<0.50	<0.81
1,1,1-Trichlorethane	(ug/L)	*40*	**200**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.90	<0.90	<0.90	<0.90	<0.50	<0.50	<0.50	<0.50	<0.50	<0.24
1,1,2-Trichlorethane	(ug/L)	*0.5*	**5**	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.42	<0.42	<0.42	<0.42	<0.25	<0.16	<0.16	<0.16	<0.20	<0.55

Notes:
Xylenes reported as total of m-, o-, p-xylenes
TMB= trimethylbenzenes, PCE = Tetrachloroethene, TCE = Trichloroethene
NS = No standard established
NA = Not analyzed for parameter
J = Between limit of detection & limit of quantification
B= Analyte also present in trip blank

ITALICS indicates exceedance of NR 140.10 Preventive Action Limit
BOLD indicates exceedance of NR 140.10 Enforcement Standard

TABLE A.7.I
Water Level Elevations - NR 141 Monitoring Wells and Sumps
Gunderson Cleaners, Inc
891 S. Green Bay Rd., Neenah, WI 54956
BRRTS# 02-71-4671001

Well Identification	MW-101	MW-102	MW-103	PZ-104	MW-105	PZ-106	PZ-107	PZ-108	PZ-109	PZ-110
Top of Casing Elevation (ft MSL)	750.21	750.12	751.86	751.83	751.63	750.30	751.45	751.88	750.45	751.70
Top of Casing Elevation (ft MSL) (11/13/14)	--	--	753.60	753.50	753.41	--	753.27	753.66	753.20	753.62
Ground Surface Elevation (ft. MSL)	750.48	750.73	752.08	752.07	751.89	750.69	751.98	752.40	750.92	752.18
Ground Surface Elevation (ft. MSL)	--	--	754.12	754.18	753.83	--	753.85	754.13	753.50	754.14
Total Well Depth (brl)	17.76	17.66	17.91	30.92*	18.08*	20.83	33.42*	28.70	30.20*	57.71*
Stickup	-0.27	-0.61	-0.22	-0.24	-0.26	-0.39	-0.53	-0.52	-0.47	-0.48
Stickup (11/13/14)	--	--	-0.52	-0.68	-0.42	--	-0.58	-0.47	-0.30	-0.52
Screen Length	10'	10'	10'	5'	10'	5'	5'	5'	5'	5'

Well Identification	PZ-111	MW-112	MW-113	MW-114	MW-115	MW-116	PZ-117	PZ-118	PZ-119	PZ-120
Top of Casing Elevation (ft MSL)	750.40	751.27	749.78	751.47	751.21	--	--	--	--	--
Top of Casing Elevation (ft MSL) (11/13/14)	--	753.27	751.86	753.46	753.19	754.48	754.63	754.76	753.49	753.02
Ground Surface Elevation (ft. MSL)	750.67	751.65	750.22	751.93	751.62	--	--	--	--	--
Ground Surface Elevation (ft. MSL)	--	753.57	752.23	753.77	753.94	754.72	755.05	755.17	753.90	753.45
Total Well Depth	22.50	13.25	14.94*	15.45	14.98	16.25*	16.02*	26.61*	22.93*	59.80*
Stickup	-0.27	-0.38	-0.44	-0.46	-0.41	--	--	--	--	--
Stickup (11/13/14)	--	-0.30	-0.37	-0.31	-0.75	-0.24	-0.42	-0.41	-0.41	-0.43
Screen Length	10'	10'	10'	5'	10'	5'	5'	5'	5'	5'

Well Identification	PZ-121	PZ-122	Sump A	Sump B	Sump C	Sump D	PZ-123	PZ-124	PZ-125
Top of Casing Elevation (ft MSL) (11/13/14)	753.07	752.56	754.96	752.55	753.55	755.13	752.12	752.19	752.30
Ground Surface Elevation (ft. MSL) (11/13/14)	753.50	752.96	755.47	753.36	753.85	754.95	752.48	752.57	752.63
Total Well Depth	29.13*	34.51*	14.24*	13.90*	20.01*	18.74*	35.0*	60.2*	18.5*
Stickup (11/13/14)	-0.43	-0.40	-0.51	-0.81	-0.30	0.18	-0.36	-0.38	-0.33
Screened Elevation (ft MSL)	10'	10'	10'	15'H+10'V	10'H+10'V	20'H + 10'V			10'

	MW-101			MW-102			MW-103			PZ-104		
Sample Date	Depth to Water (ft below PVC Lip)	Depth to Water (below grade)	Groundwater Elev. (ft msl)	Depth to Water (ft below PVC Lip)	Depth to Water (below grade)	Groundwater Elev. (ft msl)	Depth to Water (ft below PVC Lip)	Depth to Water (below grade)	Groundwater Elev. (ft msl.)	Depth to Water (ft below PVC Lip)	Depth to Water (below grade)	Groundwater Elev. (ft msl)
7/13/2004	3.92	4.19	746.29	4.08	4.69	746.04	7.61	7.83	744.25	7.62	7.86	744.21
7/16/2004	4.96	5.23	745.25	7.96	8.57	742.16	7.89	8.11	743.97	8.75	8.99	743.08
10/28/2004	7.63	7.90	742.58	9.40	10.01	740.72	10.05	10.27	741.81	12.87	13.11	738.96
2/16/2005	4.82	5.09	745.39	7.05	7.66	743.07	9.37	9.59	742.49	10.23	10.47	741.60
12/9/2005	6.11	6.38	744.10	9.78	10.39	740.34	8.80	9.02	743.06	14.90	15.14	736.93
3/28/2006	3.35	3.62	746.86	4.36	4.97	745.76	8.10	8.32	743.76	7.85	8.09	743.98
11/21/2006		Not Sampled			Not Sampled			Not Sampled			Not Sampled	
2/12/2007	6.40	6.67	743.81	8.00	8.61	742.12	10.28	10.50	741.58	12.05	12.29	739.78
5/15/2013	0.79	1.06	749.42		Not Sampled			Not Sampled			Not Sampled	
7/29/2013		Not Sampled		4.18	4.79	745.94		Not Sampled			Not Sampled	
11/12/2013		Removed			Removed		7.24	7.46	746.36	7.07	7.31	746.43
5/28/2014		Removed			Removed		6.32	6.84	747.28	5.59	6.27	747.91
11/12/2014		Removed			Removed		7.75	8.27	745.85	8.90	9.58	744.60
6/10/2015		Removed			Removed		6.45	6.97	747.15	5.11	5.79	748.39
5/18/2016		Removed			Removed		7.01	7.53	746.59	5.93	6.61	747.57
8/23/2018		Removed			Removed		9.41	9.93	744.19	11.31	11.99	742.19

	MW-105			PZ-106			PZ-107			PZ-108		
Sample Date	Depth to Water (ft below PVC Lip)	Depth to Water (below grade)	Groundwater Elev. (ft msl)	Depth to Water (ft below PVC Lip)	Depth to Water (below grade)	Groundwater Elev. (ft msl)	Depth to Water (ft below PVC Lip)	Depth to Water (below grade)	Groundwater Elev. (ft msl.)	Depth to Water (ft below PVC Lip)	Depth to Water (below grade)	Groundwater Elev. (ft msl)
7/13/2004	7.28	7.54	744.35		Not Sampled			Not Sampled			Not Sampled	
7/16/2004	7.56	7.82	744.07		Not Sampled			Not Sampled			Not Sampled	
10/28/2004	9.74	10.00	741.89		Not Sampled			Not Sampled			Not Sampled	
2/16/2005	9.16	9.42	742.47		Not Sampled			Not Sampled			Not Sampled	
12/9/2005	8.66	8.92	742.97	13.23	13.62	737.07	14.47	15.00	736.98	14.96	15.48	736.92
3/28/2006	7.65	7.91	743.98	6.03	6.42	744.27	7.44	7.97	744.01	7.95	8.47	743.93
11/21/2006		Not Sampled			Not Sampled			Not Sampled			Not Sampled	
2/17/2007	10.00	10.26	741.63	10.26	10.65	740.04	11.65	12.18	739.80	12.14	12.66	739.74
5/15/2013		Not Sampled			Not Sampled			Not Sampled			Not Sampled	
11/12/2013	7.08	7.34	746.33		Removed		6.65	7.18	746.62	7.20	7.72	746.46
5/28/2014	5.96	6.38	747.45		Removed		5.15	5.73	748.12	5.65	6.12	748.01
11/12/2014	7.73	8.15	745.68		Removed		8.32	8.90	744.95	8.80	9.27	744.86
6/10/2015	6.00	6.42	747.41		Removed		4.66	5.24	748.61	5.10	5.57	748.56
5/18/2016	6.67	7.09	746.74		Removed		5.45	6.03	747.82	5.93	6.40	747.73
8/23/2018	9.91	10.33	743.50		Removed		11.56	12.14	741.71	12.08	12.55	741.58

	PZ-109			PZ-110			PZ-111			MW-112		
Sample Date	Depth to Water (ft below PVC Lip)	Depth to Water (below grade)	Groundwater Elev. (ft msl)	Depth to Water (ft below PVC Lip)	Depth to Water (below grade)	Groundwater Elev. (ft msl.)	Depth to Water (ft below PVC Lip)	Depth to Water (below grade)	Groundwater Elev. (ft msl)	Depth to Water (ft below PVC Lip)	Depth to Water (below grade)	Groundwater Elev. (ft msl)
7/13/2004		Not Sampled			Not Sampled			Not Sampled			Not Sampled	
7/16/2004		Not Sampled			Not Sampled			Not Sampled			Not Sampled	
10/28/2004		Not Sampled			Not Sampled			Not Sampled			Not Sampled	
2/16/2005		Not Sampled			Not Sampled			Not Sampled			Not Sampled	
12/9/2005	13.52	13.99	736.93	14.78	15.26	736.92		Not Sampled			Not Sampled	
3/28/2006	6.51	6.98	743.94	7.77	8.25	743.93		Not Sampled			Not Sampled	
11/21/2006		Not Sampled			Not Sampled		10.67	10.94	739.73		Dry	
2/17/2007	10.70	11.17	739.75	11.95	12.43	739.75	10.34	10.61	740.06	6.37	6.75	744.90
5/16/2013		Not Sampled			Not Sampled			Not Sampled		2.10	2.48	749.17
11/12/2013	5.75	6.22	747.45	4.49	4.97	749.13		Removed		2.22	2.60	751.05
5/28/2014	4.31	4.61	748.89	5.49	6.01	748.13		Removed		2.84	3.14	750.43
11/12/2014	8.15	8.45	745.05	8.45	8.97	745.17		Removed		3.07	3.37	750.20
6/10/2015	4.69	4.99	748.51	5.11	5.63	748.51		Removed		2.43	2.73	750.84
5/18/2016	5.53	5.83	747.67	5.74	6.26	747.88		Removed		2.40	2.70	750.87
8/23/2018	12.11	12.41	741.09	11.66	12.18	741.96		Removed		7.50	7.80	745.77

	MW-113			MW-114			MW-115			MW-116		
Sample Date	Depth to Water (ft below PVC Lip)	Depth to Water (below grade)	Groundwater Elev. (ft msl)	Depth to Water (ft below PVC Lip)	Depth to Water (below grade)	Groundwater Elev. (ft msl)	Depth to Water (ft below PVC Lip)	Depth to Water (below grade)	Groundwater Elev. (ft msl.)	Depth to Water (ft below PVC Lip)	Depth to Water (below grade)	Groundwater Elev. (ft msl)
7/13/2004		Not Sampled			Not Sampled			Not Sampled		--	--	--
7/16/2004		Not Sampled			Not Sampled			Not Sampled		--	--	--
10/28/2004		Not Sampled			Not Sampled			Not Sampled		--	--	--
2/16/2005		Not Sampled			Not Sampled			Not Sampled		--	--	--
12/9/2005		Not Sampled			Not Sampled			Not Sampled		--	--	--
3/28/2006		Not Sampled			Not Sampled			Not Sampled		--	--	--
11/21/2006	6.16	6.60	743.62	10.25	10.71	741.22	11.71	12.12	739.50	--	--	--
2/17/2007	5.58	6.02	744.20	9.84	10.30	741.63	8.64	9.05	742.57	--	--	--
5/16/2013	1.27	1.71	748.51	2.24	2.70	749.23	2.82+	3.23	748.39		Installed November 2013	
11/12/2013	4.39	4.83	747.47	4.94	5.40	748.52	4.64	5.05	748.55	7.50	7.74	746.98
5/28/2014	2.86	3.23	749.00	4.16	4.47	749.30	3.90	4.65	749.29	6.02	6.26	748.46
11/12/2014	3.42	3.79	748.44	6.33	6.64	747.13	5.22	5.97	747.97	8.83	9.07	745.65
6/10/2015	2.72	3.09	749.14	3.56	3.87	749.90	3.75	4.50	749.44	5.95	6.19	748.53
5/18/2016	2.51	2.88	749.35	3.35	3.66	750.11	4.11	4.86	749.08	6.88	7.12	747.60
8/23/2018	7.54	7.91	744.32	8.98	9.29	744.48	7.31	8.06	745.88	11.90	12.14	742.58

TABLE A.7.I
Water Level Elevations - NR 141 Monitoring Wells and Sumps
Gunderson Cleaners, Inc
891 S. Green Bay Rd., Neenah, WI 54956
BRRTS# 02-71-4671001

Well Identification	MW-101	MW-102	MW-103	PZ-104	MW-105	PZ-106	PZ-107	PZ-108	PZ-109	PZ-110
Top of Casing Elevation (ft MSL)	750.21	750.12	751.86	751.83	751.63	750.30	751.45	751.88	750.45	751.70
Top of Casing Elevation (ft MSL) (11/13/14)	--	--	753.60	753.50	753.41	--	753.27	753.66	753.20	753.62
Ground Surface Elevation (ft. MSL)	750.48	750.73	752.08	752.07	751.89	750.69	751.98	752.40	750.92	752.18
Ground Surface Elevation (ft. MSL)	--	--	754.12	754.18	753.83	--	753.85	754.13	753.50	754.14
Total Well Depth (brl)	17.76	17.66	17.91	30.92*	18.08*	20.83	33.42*	28.70	30.20*	57.71*
Stickup	-0.27	-0.61	-0.22	-0.24	-0.26	-0.39	-0.53	-0.52	-0.47	-0.48
Stickup (11/13/14)	--	--	-0.52	-0.68	-0.42	--	-0.58	-0.47	-0.30	-0.52
Screen Length	10'	10'	10'	5'	10'	5'	5'	5'	5'	5'

Well Identification	PZ-111	MW-112	MW-113	MW-114	MW-115	MW-116	MW-117	PZ-118	PZ-119	PZ-120
Top of Casing Elevation (ft MSL)	750.40	751.27	749.78	751.47	751.21	--	--	--	--	--
Top of Casing Elevation (ft MSL) (11/13/14)	--	753.27	751.86	753.46	753.19	754.48	754.63	754.76	753.49	753.02
Ground Surface Elevation (ft. MSL)	750.67	751.65	750.22	751.93	751.62	--	--	--	--	--
Ground Surface Elevation (ft. MSL)	--	753.57	752.23	753.77	753.94	754.72	755.05	755.17	753.90	753.45
Total Well Depth	22.50	13.25	14.94*	15.45	14.98	16.25*	16.02*	26.61*	22.93*	59.80*
Stickup	-0.27	-0.38	-0.44	-0.46	-0.41	--	--	--	--	--
Stickup (11/13/14)	--	-0.30	-0.37	-0.31	-0.75	-0.24	-0.42	-0.41	-0.41	-0.43
Screen Length	10'	10'	10'	5'	10'	5'	5'	5'	5'	5'

Well Identification	PZ-121	PZ-122	Sump A	Sump B	Sump C	Sump D	PZ-123	PZ-124	PZ-125
Top of Casing Elevation (ft MSL) (11/13/14)	753.07	752.56	754.96	752.55	753.55	755.13	752.12	752.19	752.30
Ground Surface Elevation (ft. MSL) (11/13/14)	753.50	752.96	755.47	753.36	753.85	754.95	752.48	752.57	752.63
Total Well Depth	29.13*	34.51*	14.24*	13.90*	20.01*	18.74*	35.0*	60.2*	18.5*
Stickup (11/13/14)	-0.43	-0.40	-0.51	-0.81	-0.30	0.18	-0.36	-0.38	-0.33
Screened Elevation (ft MSL)	10'	10'	10'	15'H+10'V	10'H+10'V	20'H + 10'V			10'

Sample Date	MW-117 Depth to Water (ft below PVC Lip)	MW-117 Depth to Water (below grade)	MW-117 Groundwater Elev. (ft msl)	PZ-118 Depth to Water (ft below PVC Lip)	PZ-118 Depth to Water (below grade)	PZ-118 Groundwater Elev. (ft msl)	PZ-119 Depth to Water (ft below PVC Lip)	PZ-119 Depth to Water (below grade)	PZ-119 Groundwater Elev. (ft msl.)	PZ-120 Depth to Water (ft below PVC Lip)	PZ-120 Depth to Water (below grade)	PZ-120 Groundwater Elev. (ft msl)
7/13/2004	--	--	--	--	--	--	--	--	--	--	--	--
7/16/2004	--	--	--	--	--	--	--	--	--	--	--	--
10/28/2004	--	--	--	--	--	--	--	--	--	--	--	--
2/16/2005	--	--	--	--	--	--	--	--	--	--	--	--
12/9/2005	--	--	--	--	--	--	--	--	--	--	--	--
3/28/2006	--	--	--	--	--	--	--	--	--	--	--	--
11/21/2006	--	--	--	--	--	--	--	--	--	--	--	--
2/17/2007	Installed November 2013			Installed November 2013			Installed November 2013			Installed November 2013		
11/12/2013	7.95	8.37	746.68	7.99	8.40	746.77	5.22	5.63	748.27	8.83	9.26	744.19
5/28/2014	6.50	6.92	748.13	6.49	6.90	748.27	4.45	4.86	749.04	4.67	5.10	748.35
11/12/2014	8.91	9.33	745.72	9.49	9.90	745.27	5.63	6.04	747.86	8.15	8.58	744.87
6/10/2015	6.41	6.83	748.22	6.09	6.50	748.67	4.32	4.73	749.17	4.44	4.87	748.58
5/18/2016	6.88	7.30	747.75	7.38	7.79	747.38	4.58	4.99	748.91	5.28	5.71	747.74
8/23/2018	11.96	12.38	742.67	10.79	11.20	743.97	7.13	7.54	746.36	11.88	12.31	741.14

Sample Date	PZ-121 Depth to Water (ft below PVC Lip)	PZ-121 Depth to Water (below grade)	PZ-121 Groundwater Elev. (ft msl)	PZ-122 Depth to Water (ft below PVC Lip)	PZ-122 Depth to Water (below grade)	PZ-122 Groundwater Elev. (ft msl.)	Sump A Depth to Water (ft below PVC Lip)	Sump A Depth to Water (below grade)	Sump A Groundwater Elev. (ft msl)	Sump B Depth to Water (ft below PVC Lip)	Sump B Depth to Water (below grade)	Sump B Groundwater Elev. (ft msl)
7/13/2004	--	--	--	--	--	--	--	--	--	--	--	--
7/16/2004	--	--	--	--	--	--	--	--	--	--	--	--
10/28/2004	--	--	--	--	--	--	--	--	--	--	--	--
2/16/2005	--	--	--	--	--	--	--	--	--	--	--	--
12/9/2005	--	--	--	--	--	--	--	--	--	--	--	--
3/28/2006	--	--	--	--	--	--	--	--	--	--	--	--
11/21/2006	--	--	--	--	--	--	--	--	--	--	--	--
2/17/2007	--	--	--	--	--	--	Installed Sept 2009			Installed Sept 2009		
	Installed November 2013			Installed November 2013			0.71+	--	--	1.28	--	--
11/12/2013	6.64	7.07	746.43	5.34	5.74	747.22	7.34	7.85	747.62	4.14	4.95	748.41
5/28/2014	8.30	8.73	744.77	3.90	4.30	748.66	5.79	6.30	749.17	3.45	4.26	749.10
11/12/2014	8.26	8.69	744.81	7.30	7.70	745.26	7.16	7.67	747.80	4.59	5.40	747.96
6/10/2015	4.55	4.98	748.52	4.01	4.41	748.55	6.28	6.79	748.68	3.42	4.23	749.13
5/18/2016	5.38	5.81	747.69	4.85	5.25	747.71	6.43	6.94	748.53	3.65	4.46	748.90
8/23/2018	18.33	18.76	734.74	11.38	11.78	741.18	9.29	9.80	745.67	6.58	7.39	745.97

Sample Date	Sump C Depth to Water (ft below PVC Lip)	Sump C Depth to Water (below grade)	Sump C Groundwater Elev. (ft msl)	Sump D Depth to Water (ft below PVC Lip)	Sump D Depth to Water (below grade)	Sump D Groundwater Elev. (ft msl.)	PZ-123 Depth to Water (ft below PVC Lip)	PZ-123 Depth to Water (below grade)	PZ-123 Groundwater Elev. (ft msl.)	PZ-124 Depth to Water (ft below PVC Lip)	PZ-124 Depth to Water (below grade)	PZ-124 Groundwater Elev. (ft msl.)
7/13/2004	--	--	--	--	--	--	--	--	--	--	--	--
7/16/2004	--	--	--	--	--	--	--	--	--	--	--	--
10/28/2004	--	--	--	--	--	--	--	--	--	--	--	--
2/16/2005	--	--	--	--	--	--	--	--	--	--	--	--
12/9/2005	--	--	--	--	--	--	--	--	--	--	--	--
3/28/2006	--	--	--	--	--	--	--	--	--	--	--	--
11/21/2006	--	--	--	--	--	--	--	--	--	--	--	--
2/17/2007	Installed Sept 2009			Installed July 2013			--	--	--	--	--	--
5/16/2013	1.03	--	--	Not Sampled			--	--	--	--	--	--
11/12/2013	5.39	5.69	748.16	8.49	8.31	746.64	--	--	--	--	--	--
5/28/2014	4.70	5.00	748.85	6.95	6.77	748.18	--	--	--	--	--	--
11/12/2014	5.83	6.13	747.72	10.33	10.15	744.80	--	--	--	--	--	--
6/10/2015	4.49	4.79	749.06	6.60	6.42	748.53	--	--	--	--	--	--
5/18/2016	4.74	5.04	748.81	7.49	7.31	747.64	--	--	--	--	--	--
7/23/2018		--			--		Installed July 2018			Installed July 2018		
8/23/2018	8.08	8.38	745.47	13.25	13.07	741.88	17.89	18.25	734.23	10.76	11.14	741.43

Sample Date	PZ-125 Depth to Water (ft below PVC Lip)	PZ-125 Depth to Water (below grade)	PZ-125 Groundwater Elev. (ft msl)
	Installed July 2018		
8/23/2018	7.02	7.35	745.28

Survey Pending for Sumps / Wells Installed in 2009 to 2013
NA: Not Analyzed
ft msl: feet above mean sea level
* = Total Well Depth based on field measurements 5/28/14
+ = Water Level Sampled 5/30/13, Sump Not Surveyed

TABLE A.8
Groundwater Natural Attenuation Parameters

Site Name: Gunderson Cleaners, Inc
Site Address: Green Bay Rd.,
BRRTS#: 02-71-4671001

Sample ID		MW-101					MW-102				MW-103									
Sample Date		7/16/2004	2/16/2005	3/28/2006	2/12/2007	5/15/2013	7/16/2004	2/16/2005	3/28/2006	2/12/2007	7/16/2004	2/16/2005	3/28/2006	2/12/2007	11/13/2013	5/28/2014	11/12/2014	6/11/2015	5/18/2016	8/23/2018
Groundwater Elevation		745.25	745.39	746.86	743.81	749.42	746.04	743.07	745.76	742.12	743.97	742.49	743.76	741.58	744.62	745.54	744.11	747.15	746.59	744.19
FIELD PARAMETERS																				
Dissolved Oxygen (field)	mg/l	2.33	0.37	1.76	6.69	0.21	1.43	0.14	0.33	0.20	4.11	0.05	2.70	0.80	0.91	3.00	1.59	9.17	6.84	0.64
ORP	eV	-180	73	333	317	-40	-28	29	274	146	214	232	128	192	-13.7	190.7	147.8	164.2	83.0	38.9
Specific Conductivity	mS/cm	1.392	1.440	1.653	2.068	1057	2.188	2.180	2.146	2.179	1.706	2.386	3.318	3.335	1748	1605	1881	2046	2505	172
pH		6.76	6.74	6.41	6.69	7.01	6.72	6.84	6.57	6.71	6.76	6.70	6.64	6.72	6.86	6.90	7.12	6.97	6.78	7.22
Temperature	C°	9.92	9.55	8.92	9.06	7.84	11.35	11.43	10.87	11.14	11.93	12.72	11.97	13.23	13.94	9.73	14.55	10.42	10.40	15.10
LABORATORY PARAMETERS																				
Alkalinity	mg/l	370	390	--	--	--	410	380	--	--	390	360	--	--	--	--	--	--	--	--
Chloride	mg/l	*170*	*180*	--	--	--	*240*	*320*	--	--	*220*	*420*	--	--	--	--	--	--	--	--
Dissolved Iron	ug/l	<42	52	--	--	--	*330*	90	--	--	<42	<42	--	--	--	--	--	--	--	--
Dissolved Manganese	ug/l	*230*	*320*	--	--	--	*230*	*140*	--	--	*180*	*110*	--	--	--	--	--	--	--	--
Sulfate	mg/l	*260*	*240*	--	--	--	*340*	*270*	--	--	*270*	*220*	--	--	--	--	--	--	--	--
Total Organic Carbon	mg/l	2.8	5.9	--	--	--	1.9	8.0	--	--	1.8	1.4	--	--	--	--	--	--	--	--
Nitrate plus Nitrite	mg/l	0.026	<0.024	--	--	--	<0.024	0.094	--	--	0.43	1.2	--	--	--	--	--	--	--	--
Methane	ug/l	<12	<5	--	--	--	<12	<5	--	--	<12	<5	--	--	--	--	--	--	--	--
Ethane	ug/l	<24	<15	--	--	--	<24	<15	--	--	<24	<15	--	--	--	--	--	--	--	--
Ethene	ug/l	<19	<18	--	--	--	<19	<18	--	--	<19	<18	--	--	--	--	--	--	--	--

Notes:
NS = No standard established
-- = Not Analyzed
Bold value indicates exceedance of NR 140.10 or 140.12 Enforcement
ITALICS value exceeds NR 140.10 or 140.12 PAL
*: Public Welfare Standard from Table 2, NR 140.12
concentration, meter operation
suspect

TABLE A.8
Groundwater Natural Attenuation Pa

Site Name: Gunderson
Site Address: Green Bay Rd.,
BRRTS#: 02-71-4671

Sample ID		PZ-104										MW-105										
Sample Date		7/16/2004	2/16/2005	3/28/2006	2/12/2007	11/13/2013	5/28/2014	11/12/2014	6/11/2015	5/18/2016	8/23/2018	7/16/2004	7/16/2004 D	2/16/2005	3/28/2006	2/12/2007	11/13/2013	5/28/2014	11/12/2014	6/11/2015	5/18/2016	8/23/2018
Groundwater Elevation		743.08	741.60	743.76	739.78	744.76	746.24	742.93	748.39	747.77	742.19	744.07	744.07	742.47	743.98	741.63	744.55	745.67	743.90	747.41	746.74	743.50
FIELD PARAMETERS																						
Dissolved Oxygen (field)	mg/l	1.57	0.95	3.26	4.58	1.27	Not Sampled	Not Sampled	7.22	1.83	0.89	4.20	4.20	0.24	2.43	1.49	1.73	2.05	0.50	3.59	3.98	1.77
ORP	eV	-564 **	-114	91	176	-24.5			194.00	-17.0	21.8	272	272	135	117	175	40.8	287.7	16.0	146.1	25.1	-122.1
Specific Conductivity	mS/cm	1.251	1.356	1.437	1.470	1545			760.00	2671	227	1.638	1.638	1.971	2.163	1.965	1535	1363	1404	1482	2087	1713
pH		6.87	7.09	6.97	7.50	7.10			7.35	7.02	7.07	6.87	6.87	6.79	6.89	6.83	7.01	6.91	7.49	7.02	7.49	7.32
Temperature	C°	12.00	12.97	12.95	13.52	13.68			12.95	11.23	14.40	11.57	11.57	12.38	11.64	12.72	13.80	8.81	13.52	10.91	10.86	15.60
LABORATORY PARAMETERS																						
Alkalinity	mg/l	300	280	--	--	--	--	--	--	--	--	320	300	330	--	--	--	--	--	--	--	--
Chloride	mg/l	*150*	*170*	--	--	--	--	--	--	--	--	*160*	*160*	*210*	--	--	--	--	--	--	--	--
Dissolved Iron	ug/l	*240*	43	--	--	--	--	--	--	--	--	<42	<42	<42	--	--	--	--	--	--	--	--
Dissolved Manganese	ug/l	*230*	*310*	--	--	--	--	--	--	--	--	*200*	*180*	*58*	--	--	--	--	--	--	--	--
Sulfate	mg/l	*160*	*190*	--	--	--	--	--	--	--	--	*380*	*420*	*340*	--	--	--	--	--	--	--	--
Total Organic Carbon	mg/l	4.3	1.8	--	--	--	--	--	--	--	--	2.0	1.8	1.8	--	--	--	--	--	--	--	--
Nitrate plus Nitrite	mg/l	<0.024	0.24	--	--	--	--	--	--	--	--	<0.024	<0.024	0.24	--	--	--	--	--	--	--	--
Methane	ug/l	<12	<5	--	--	--	--	--	<1.4	2.2 J	--	<12	<12	<5	--	--	--	--	--	--	--	--
Ethane	ug/l	<24	<15	--	--	--	--	--	<0.58	<0.58	--	<24	<24	<15	--	--	--	--	--	--	--	--
Ethene	ug/l	<19	<18	--	--	--	--	--	0.76 J	<0.52	--	<19	<19	<18	--	--	--	--	--	--	--	--

Notes:
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-- = Not Analyzed
Bold value indicates exceedance of
NR 140.10 or 140.12 Enforcement
ITALICS value exceeds NR 140.10 or
*: Public Welfare Standard from Tabl
concentration, meter operation
suspect

TABLE A.8
Groundwater Natural Attenuation Pa

Site Name: Gunderson
Site Address: Green Bay Rd.,
BRRTS#: 02-71-4671

Sample ID		PZ-106		PZ-107								PZ-108							
Sample Date		3/28/2006	2/12/2007	3/29/2006	2/12/2007	11/13/2013	5/28/2014	11/12/2014	6/11/2015	5/18/2016	8/23/2018	3/29/2006	2/12/2007	11/13/2013	5/28/2014	11/12/2014	6/11/2015	5/18/2016	8/23/2018
Groundwater Elevation		744.27	740.04	744.01	739.80	744.80	746.30	743.13	748.61	747.82	741.71	743.93	739.74	744.68	746.26	743.08	748.56	747.73	741.58
FIELD PARAMETERS																			
Dissolved Oxygen (field)	mg/l	1.23	0.05	0.02	2.98	0.99	0.24	0.78	1.78	3.70	1.04	0.01	0.13	6.38	0.36	0.43	6.40	1.03	3.96
ORP	eV	198	309	-27	161	-25.6	-16.0	-71.5	258.0	-20.4	-93.0	-76	176	-59.9	-61.4	55.9	170.5	102.6	14.1
Specific Conductivity	mS/cm	1.391	1.335	1.388	1.331	1265	1849	1681	536	3209	113	1.553	1.313	925	989	367	64	1883	73.1
pH		6.83	7.11	6.80	7.42	6.92	7.00	7.47	5.36	7.27	7.62	7.04	7.55	7.86	7.22	7.97	8.03	7.26	8.38
Temperature	C°	10.86	11.83	12.50	12.95	14.17	9.18	12.37	11.23	11.44	14.90	12.92	12.72	14.33	9.35	14.99	16.27	10.63	15.20
LABORATORY PARAMETERS																			
Alkalinity	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloride	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Iron	ug/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Manganese	ug/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrate plus Nitrite	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	ug/l	--	--	--	--	--	--	--	<1.4	<1.4	--	--	--	--	--	--	--	--	--
Ethane	ug/l	--	--	--	--	--	--	--	<0.58	<0.58	--	--	--	--	--	--	--	--	--
Ethene	ug/l	--	--	--	--	--	--	--	1.6 J	<0.52	--	--	--	--	--	--	--	--	--

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ITALICS value exceeds NR 140.10 or
*: Public Welfare Standard from Tabl
concentration, meter operation
suspect

TABLE A.8
Groundwater Natural Attenuation Pa

Site Name Gunderson
Site Address Green Bay Rd.,
BRRTS# 02-71-4671

Sample ID		PZ-109								PZ-110								PZ-111	
Sample Date		3/29/2006	2/12/2007	11/13/2013	5/28/2014	11/12/2014	6/10/2015	5/18/2016	8/23/2018	3/29/2006	2/12/2007	11/13/2013	5/28/2014	11/12/2014	6/10/2015	5/18/2016	8/23/2018	11/21/2006	2/12/2007
Groundwater Elevation		743.94	739.75	744.70	746.14	742.30	748.51	747.67	741.09	743.93	739.75	744.69	746.21	743.25	748.51	747.88	741.96	739.73	740.06
FIELD PARAMETERS																			
Dissolved Oxygen (field)	mg/l	0.18	0.86	1.12	0.17	0.39	0.60	2.56	0.72	1.06	8.23	3.78	0.33	0.46	1.12	1.45	0.87	0.82	0.27
ORP	eV	23	165	-56.0	-5.9	-79.6	-2.4	-35.8	-125.8	38	174	-75.5	49.4	-100.4	182.2	4.2	-45.0	209	127
Specific Conductivity	mS/cm	1.719	1.287	1210	941	1172	917	1153	112.2	1.368	1.351	1736	1186	1099	1008	1152	486	1.779	2.107
pH		7.46	7.47	6.92	6.94	7.52	5.83	7.11	7.53	6.93	7.65	8.97	6.91	7.30	5.35	7.10	8.93	6.67	6.83
Temperature	C°	12.48	13.03	15.16	10.47	14.35	11.57	11.00	12.90	12.96	13.51	13.75	11.04	12.91	11.73	10.76	13.30	11.91	10.38
LABORATORY PARAMETERS																			
Alkalinity	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloride	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Iron	ug/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Manganese	ug/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrate plus Nitrite	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	ug/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethane	ug/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	ug/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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ITALICS value exceeds NR 140.10 or
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suspect

TABLE A.8
Groundwater Natural Attenuation Pa

Site Name Gunderson
Site Address Green Bay Rd.,
BRRTS# 02-71-4671

Sample ID		MW-112									MW-113								
Sample Date		11/21/2006	2/12/2007	5/15/2013	11/15/2013	5/28/2014	11/12/2014	6/11/2015	5/18/2016	8/23/2018	11/21/2006	2/12/2007	5/15/2013	11/15/2013	5/28/2014	11/12/2014	6/11/2015	5/18/2016	8/23/2018
Groundwater Elevation		DRY	744.90	749.17	749.05	748.43	748.20	750.84	750.87	745.77	743.62	744.20	748.51	745.39	746.92	746.36	749.14	749.35	744.32
FIELD PARAMETERS																			
Dissolved Oxygen (field)	mg/l	DRY	5.40	0.15	8.30	5.72	7.17	5.44	8.50	2.14	6.20	0.70	1.57	0.99	3.36	0.85	1.99	6.11	2.88
ORP	eV		159	-26.9	-74.7	315.8	180.4	188.6	136.1	80.7	251	147	-35.5	-75.4	129.5	95.1	97.3	129.0	88.0
Specific Conductivity	mS/cm		2.22	1170	2932	2402	3375	2309	1644	3244	1.885	3.014	939	1930	2011	2766	2245	2370	4787
pH			6.80	6.86	6.37	6.97	7.31	7.34	6.67	7.79	6.57	6.66	6.74	6.32	6.68	6.85	6.57	7.14	7.37
Temperature	C°		8.52	7.74	11.49	8.61	11.32	9.35	8.28	12.40	11.48	9.06	6.54	11.68	7.77	10.92	7.54	9.17	11.00
LABORATORY PARAMETERS																			
Alkalinity	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloride	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Iron	ug/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Manganese	ug/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrate plus Nitrite	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	ug/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethane	ug/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	ug/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes:
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Bold value indicates exceedance of NR 140.10 or 140.12 Enforcement
ITALICS value exceeds NR 140.10 or
*: Public Welfare Standard from Tabl
concentration, meter operation
suspect

TABLE A.8
Groundwater Natural Attenuation Pa

Site Name Gunderson
Site Address Green Bay Rd.,
BRRTS# 02-71-4671

Sample ID		MW-114									MW-115						
Sample Date		11/21/2006	2/12/2007	5/16/2013	11/15/2013	5/28/2014	11/12/2014	6/11/2015	5/18/2016	8/23/2018	11/21/2006	2/12/2007	5/28/2014	11/12/2014	6/11/2015	5/18/2016	8/23/2018
Groundwater Elevation		741.22	741.63	749.23	746.53	747.31	745.14	749.90	750.11	744.48	739.50	742.57	747.31	745.99	749.44	749.08	745.88
FIELD PARAMETERS																	
Dissolved Oxygen (field)	mg/l	5.00	1.76	0.73	0.90	0.55	0.72	0.60	3.40	3.59	6.60	1.35	2.11	1.16	0.33	3.37	0.95
ORP	eV	255	165	-38.2	-82.8	11.2	63.5	138.5	109.4	92.2	259	171	133.4	65.3	154.2	145.0	-15.5
Specific Conductivity	mS/cm	2.157	2.152	1015	1993	2061	2547	1834	2089	3232	1.925	2.194	1527	1512	1322	1447	1990
pH		6.52	6.74	6.68	6.28	6.61	6.86	5.76	6.10	7.34	6.50	6.60	6.67	7.12	6.78	6.76	7.01
Temperature	C°	11.28	9.46	6.58	12.02	8.36	11.70	8.05	7.92	11.40	12.31	10.14	8.54	11.86	9.23	9.59	11.80
LABORATORY PARAMETERS																	
Alkalinity	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloride	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Iron	ug/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Manganese	ug/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrate plus Nitrite	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	ug/l	--	--	--	--	--	--	--	--	--	--	--	--	--	<1.4	<1.4	--
Ethane	ug/l	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.58	<0.58	--
Ethene	ug/l	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.52	<0.52	--

Notes:
NS = No standard established
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Bold value indicates exceedance of
NR 140.10 or 140.12 Enforcement
ITALICS value exceeds NR 140.10 or
*: Public Welfare Standard from Tabl
concentration, meter operation
suspect

TABLE A.8
Groundwater Natural Attenuation Pa

Site Name Gunderson
Site Address Green Bay Rd.,
BRRTS# 02-71-4671

Sample ID		MW-116						MW-117						PZ-118						PZ-119					
Sample Date		11/12/2013	5/28/2014	11/12/2014	6/11/2015	5/18/2016	8/23/2018	11/12/2013	5/28/2014	11/12/2014	6/11/2015	5/18/2016	8/23/2018	11/12/2013	5/28/2014	11/12/2014	6/11/2015	5/18/2016	8/23/2018	11/12/2013	5/28/2014	11/12/2014	6/11/2015	5/18/2016	8/23/2018
Groundwater Elevation		746.98	748.46	745.65	748.53	747.60	742.58	746.68	748.13	745.72	748.22	747.75	742.67	746.77	748.27	745.27	748.67	747.38	743.97	748.27	749.04	747.86	749.17	748.91	746.36
FIELD PARAMETERS																									
Dissolved Oxygen (field)	mg/l	1.84	4.33	5.49	6.55	7.99	0.91	1.98	0.95	4.39	2.15	1.22	1.64	3.35	4.23	1.72	4.14	5.43	0.78	3.59	0.66	0.60	0.46	1.85	3.11
ORP	eV	-109.4	214.1	143.0	174.6	101.3	-70.8	-122.2	240.9	140.4	143.8	105.4	88.5	-128.7	245.5	137.7	136.4	112.5	114.7	-75.2	271.6	-181.9	133.1	127.9	35.4
Specific Conductivity	mS/cm	1247	1500	1325	1421	1620	3482	1703	1374	1411	1248	1451	117	1472	1372	1558	1286	1418	1531	1992	2162	2342	2221	2135	382.6
pH		6.54	6.69	7.43	7.14	7.05	7.46	6.53	6.99	7.14	7.06	7.12	7.65	6.74	7.04	7.25	7.20	6.97	7.23	6.51	6.74	7.24	6.10	6.12	7.25
Temperature	C°	15.27	9.98	14.60	11.74	10.91	13.60	14.40	10.10	13.57	10.69	10.58	13.40	14.44	10.20	13.70	11.30	10.54	13.00	12.77	8.72	11.55	9.68	9.14	14.90
LABORATORY PARAMETERS																									
Alkalinity	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloride	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Iron	ug/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Manganese	ug/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrate plus Nitrite	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	ug/l	--	--	--	<1.4	<1.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1.4	4.9	1.7 J
Ethane	ug/l	--	--	--	<0.58	<0.58	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.58	<0.58	<0.58
Ethene	ug/l	--	--	--	<0.52	<0.52	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.52	<0.52	<0.52

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ITALICS value exceeds NR 140.10 or
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suspect

TABLE A.8
Groundwater Natural Attenuation Pa

Site Name Gunderson
Site Address Green Bay Rd.,
BRRTS# 02-71-4671

Sample ID		PZ-120						PZ-121						PZ-122						PZ-123	PZ-124	PZ-125
Sample Date		11/12/2013	5/28/2014	11/12/2014	6/10/2015	5/18/2016	8/23/2018	11/12/2013	5/28/2014	11/12/2014	6/11/2015	5/18/2016	8/23/2018	11/12/2013	5/28/2014	11/12/2014	6/11/2015	5/18/2016	8/23/2018	8/23/2018	8/23/2018	8/23/2018
Groundwater Elevation		744.19	748.35	744.87	748.58	747.74	741.14	746.43	744.77	744.81	748.52	747.69	734.74	747.22	748.66	745.26	748.55	747.71	741.18	734.23	741.43	745.28
FIELD PARAMETERS																						
Dissolved Oxygen (field)	mg/l	2.16	2.69	1.19	3.69	1.83	2.35	1.10	0.11	1.59	7.36	1.71	1.13	0.51	0.29	0.22	1.53	1.16	1.38	1.04	1.62	1.21
ORP	eV	-51.9	131.1	-91.9	242.6	-15.9	-109.1	-45.6	-76.0	-100.2	172.3	-31.5	-61.3	-74.7	129.1	-1.6	-29.1	12.2	-171.0	56.8	68.8	-50.5
Specific Conductivity	mS/cm	1084	850	309	618	975	125.7	1744	1993	1593	146	1822	144.8	1223	3280	1351	1245	1997	3165	1536	1215	2504
pH		6.84	7.36	8.33	7.45	7.07	7.68	6.75	6.89	7.46	7.98	7.09	8.07	6.8	6.84	7.52	7.28	7.12	7.49	7.73	7.53	7.62
Temperature	C°	15.21	10.73	13.21	10.99	11.14	12.90	15.02	10.28	12.16	15.75	12.00	13.10	14.6	10.45	14.33	11.58	12.72	13.70	12.10	14.10	14.20
LABORATORY PARAMETERS																						
Alkalinity	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloride	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Iron	ug/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Manganese	ug/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrate plus Nitrite	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	ug/l	--	--	--	--	--	--	--	--	--	<1.4	2.5 J	--	--	--	--	<1.4	6.6	2.2 J	--	--	--
Ethane	ug/l	--	--	--	--	--	--	--	--	--	<0.58	<0.58	--	--	--	--	<0.58	<0.58	<0.58	--	--	--
Ethene	ug/l	--	--	--	--	--	--	--	--	--	<0.52	<0.52	--	--	--	--	3.9	<0.52	<0.52	--	--	--

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TABLE A.8
Groundwater Natural Attenuation Pa

Site Name Gunderson
Site Address Green Bay Rd.,
BRRTS# 02-71-4671

Sample ID		Sump A						Sump B						
Sample Date		11/15/2013	5/28/2014	11/12/2014	6/11/2015	5/18/2016	8/23/2018	11/14/2013	5/15/2013	5/28/2014	11/12/2014	6/11/2015	5/18/2016	8/23/2018
Groundwater Elevation		747.62	749.17	747.80	748.68	748.53	745.67	748.41	NA	749.10	747.96	749.13	748.90	745.97
FIELD PARAMETERS														
Dissolved Oxygen (field)	mg/l	0.55	0.14	1.69	0.88	2.41	4.52	0.43	0.15	4.3	0.6	0.4	2.87	0.82
ORP	eV	-75.7	190.9	177.3	179.5	116.0	14.8	-74.9	-26.9	47.7	104.8	159.4	144.0	-8.7
Specific Conductivity	mS/cm	2020	1906	2222	1597	2014	2590	2189	1170	2043	2202	2486	2154	2202
pH		6.91	7.29	7.51	7.27	7.47	7.43	6.39	6.86	6.78	7.20	6.72	6.26	7.40
Temperature	C°	14.37	15.90	16.56	16.31	16.95	16.40	12.49	7.74	9.39	11.52	11.07	9.55	16.10
LABORATORY PARAMETERS														
Alkalinity	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloride	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Iron	ug/l	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Manganese	ug/l	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrate plus Nitrite	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	ug/l	--	--	--	<1.4	<1.4	--	--	--	--	--	<1.4	<1.4	--
Ethane	ug/l	--	--	--	<0.58	<0.58	--	--	--	--	--	<0.58	<0.58	--
Ethene	ug/l	--	--	--	<0.52	<0.52	--	--	--	--	--	<0.52	<0.52	--

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ITALICS value exceeds NR 140.10 or
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TABLE A.8
Groundwater Natural Attenuation Pa

Site Name Gunderson
Site Address Green Bay Rd.,
BRRTS# 02-71-4671

Sample ID		Sump C							Sump D					
Sample Date		5/30/2013	11/14/2013	5/28/2014	11/12/2014	6/11/2015	5/18/2016	8/23/2018	11/15/2013	5/28/2014	11/12/2014	6/10/2015	5/18/2016	8/23/2018
Groundwater Elevation		NA	748.16	748.85	747.72	749.06	748.81	745.47	746.64	748.18	744.80	748.53	747.64	741.88
FIELD PARAMETERS														
Dissolved Oxygen (field)	mg/l	0.57	5.67	3.60	0.57	0.24	2.07	0.71	2.1	0.9	0.6	0.5	1.35	2.56
ORP	eV	-38.8	-68.1	92.2	31.5	88.6	136.2	8.3	-92.7	226.0	150.2	193.5	101.2	-34.1
Specific Conductivity	mS/cm	1647	1889	2446	2458	2219	2424	2785	4030	3434	3838	2695	3166	3452
pH		6.95	6.60	6.75	7.04	6.37	6.12	7.40	6.21	6.57	7.11	7.05	7.19	7.27
Temperature	C°	8.20	12.48	8.44	12.20	9.76	9.45	15.20	15.70	12.33	14.60	12.72	13.05	15.20
LABORATORY PARAMETERS														
Alkalinity	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloride	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Iron	ug/l	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Manganese	ug/l	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrate plus Nitrite	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	ug/l	--	--	--	--	<1.4	5.3	<1.4	--	--	--	--	--	<1.4
Ethane	ug/l	--	--	--	--	<0.58	<0.58	<0.58	--	--	--	--	--	<0.58
Ethene	ug/l	--	--	--	--	6.5	<0.52	<0.52	--	--	--	--	--	<0.52

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TABLE A.8
Groundwater Natural Attenuation Pa

Site Name Gunderson
Site Address Green Bay Rd.,
BRRTS# 02-71-4671

Sample ID		TW-3		TW-4		TW-5		TW-6		TW-7		TW-12		TW-15			TW-16		TW-17		TW-18	
Sample Date		7/16/2004	2/17/2005	7/13/2004	2/17/2005	7/16/2004	2/17/2005	7/16/2004	2/17/2005	7/13/2004	2/16/2005	7/13/2004	2/17/2005	7/16/2004	7/16/04 D	2/17/2005	7/16/2004	2/17/2005	7/16/2004	2/16/2005	7/16/2004	2/16/2005
Groundwater Elevation																						
FIELD PARAMETERS																						
Dissolved Oxygen (field)	mg/l	2.87	1.05	3.49	0.37	1.86	0.56	2.52	0.58	3.72	0.62	0.36	0.67	5.03	5.03	0.81	4.87	0.37	1.09	0.32	5.96	0.75
ORP	eV	140	75	273	118	195	130	108	11	201	129	326	44	232	232	166	44	48	-459**	-35	-195	205
Specific Conductivity	mS/cm	1.366	1.406	2.416	2.206	1.353	1.296	1.648	1.715	5.793	5.870	1.973	2.063	1.471	1.471	1.474	1.865	1.946	1.794	1.995	1.409	1.476
pH		7.02	6.91	6.52	6.64	6.99	6.91	6.92	6.85	6.38	6.44	6.69	6.73	6.75	6.75	6.76	6.95	6.67	6.84	6.96	7.02	6.99
Temperature	C°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LABORATORY PARAMETERS																						
Alkalinity	mg/l	260	310	470	480	320	320	330	280	360	390	370	400	400	390	440	300	400	250	240	330	300
Chloride	mg/l	*170*	*170*	*250*	*280*	37	<50	*240*	*270*	*1090*	***1450***	*210*	*290*	73	73	75	*200*	*240*	*280*	*360*	100	*140*
Dissolved Iron	ug/l	*190*	*250*	<42	51	62	130	***460***	*310*	<42	<42	<42	<42	<42	<42	<42	120	120	*240*	***640***	<42	<42
Dissolved Manganese	ug/l	*82*	*84*	*150*	*150*	*72*	*49*	*48*	*35*	*180*	*190*	*29*	7.9	*58*	*53*	1.6	*190*	*190*	*170*	*61*	*75*	*43*
Sulfate	mg/l	*200*	*190*	*310*	*300*	*340*	*320*	*200*	*230*	*380*	*380*	*170*	*220*	*350*	*350*	*330*	*280*	*270*	*160*	110	*320*	*270*
Total Organic Carbon	mg/l	1.2	2.8	3.1	4.8	3.2	2.3	2.0	1.8	1.4	1.1	1.8	2.2	2.8	2.8	2.8	1.7	2.2	2.0	0.91	2.2	1.6
Nitrate plus Nitrite	mg/l	0.058	0.097	<0.024	0.045	<0.024	<0.024	*2.9*	*2.5*	0.51	0.26	<0.024	0.11	<0.024	<0.024	<0.024	0.050	<0.024	<0.024	<0.024	0.70	0.42
Methane	ug/l	<12	<5	<12	<5	<12	<5	<12	<5	<12	170	<12	<5	<12	<12	<5	<12	<5	<12	<5	<12	<5
Ethane	ug/l	<24	<15	<24	<15	<24	<15	<24	<15	<24	<15	<24	<15	<24	<24	<15	<24	<15	<24	<15	<24	<15
Ethene	ug/l	<19	<18	<19	<18	<19	<18	<19	<18	<19	<18	<19	<18	<19	<19	<18	<19	<18	<19	<18	<19	<18

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Attachment A
Laboratory Reports

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

July 31, 2018

Ken Ebbott
Fehr Graham Engineering and Environmental
909 N. 8th Street
Suite 101
Sheboygan, WI 53081

RE: Project: 14-1123 GUNDERSON CLEANERS
Pace Project No.: 40172975

Dear Ken Ebbott:
Enclosed are the analytical results for sample(s) received by the laboratory on July 24, 2018. 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,

Christopher Hyska
christopher.hyska@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Megan Hansen, Fehr Graham Engineering and Environmental

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: 14-1123 GUNDERSON CLEANERS
Pace Project No.: 40172975

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: 14-1123 GUNDERSON CLEANERS
Pace Project No.: 40172975

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40172975001	**PZ124 (34-35')**	Solid	07/23/18 11:37	07/24/18 17:00
40172975002	**PZ124 (9-10')**	Solid	07/23/18 10:12	07/24/18 17:00
40172975003	**PZ125 (8-9.5')**	Solid	07/24/18 14:15	07/24/18 17:00
40172975004	**PZ125 (13-15')**	Solid	07/24/18 14:40	07/24/18 17:00
40172975005	**PZ125 (17.5-18.5')**	Solid	07/24/18 15:00	07/24/18 17:00
40172975006	**MEOH BLANK**	Solid	07/24/18 00:00	07/24/18 17:00

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE ANALYTE COUNT

Project: 14-1123 GUNDERSON CLEANERS
Pace Project No.: 40172975

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40172975001	**PZ124 (34-35')**	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40172975002	**PZ124 (9-10')**	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40172975003	**PZ125 (8-9.5')**	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40172975004	**PZ125 (13-15')**	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40172975005	**PZ125 (17.5-18.5')**	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40172975006	**MEOH BLANK**	EPA 8260	SMT	64	PASI-G

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SUMMARY OF DETECTION

Project: 14-1123 GUNDERSON CLEANERS
Pace Project No.: 40172975

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40172975001	**PZ124 (34-35')**					
ASTM D2974-87	Percent Moisture	7.4	%	0.10	07/30/18 12:43	
40172975002	**PZ124 (9-10')**					
ASTM D2974-87	Percent Moisture	16.6	%	0.10	07/30/18 12:44	
40172975003	**PZ125 (8-9.5')**					
ASTM D2974-87	Percent Moisture	28.5	%	0.10	07/30/18 12:44	
40172975004	**PZ125 (13-15')**					
ASTM D2974-87	Percent Moisture	16.2	%	0.10	07/30/18 12:44	
40172975005	**PZ125 (17.5-18.5')**					
ASTM D2974-87	Percent Moisture	21.2	%	0.10	07/30/18 12:44	

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ANALYTICAL RESULTS

Project: 14-1123 GUNDERSON CLEANERS
Pace Project No.: 40172975

Sample: PZ124 (34-35') **Lab ID: 40172975001** Collected: 07/23/18 11:37 Received: 07/24/18 17:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:59	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:59	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:59	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:59	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:59	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	07/26/18 07:45	07/26/18 23:59	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:59	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:59	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:59	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:59	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:59	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	07/26/18 07:45	07/26/18 23:59	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	07/26/18 07:45	07/26/18 23:59	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:59	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:59	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:59	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	07/26/18 07:45	07/26/18 23:59	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:59	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:59	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:59	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:59	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:59	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:59	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:59	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:59	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:59	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:59	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:59	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:59	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:59	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:59	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:59	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:59	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:59	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:59	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:59	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:59	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:59	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:59	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:59	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:59	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:59	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	07/26/18 07:45	07/26/18 23:59	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:59	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:59	100-42-5	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 14-1123 GUNDERSON CLEANERS
Pace Project No.: 40172975

Sample: PZ124 (34-35') **Lab ID: 40172975001** Collected: 07/23/18 11:37 Received: 07/24/18 17:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:59	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:59	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:59	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:59	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:59	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	07/26/18 07:45	07/26/18 23:59	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:59	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:59	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:59	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:59	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:59	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:59	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:59	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:59	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	07/26/18 07:45	07/26/18 23:59	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:59	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	103	%	57-148		1	07/26/18 07:45	07/26/18 23:59	1868-53-7	
Toluene-d8 (S)	101	%	58-142		1	07/26/18 07:45	07/26/18 23:59	2037-26-5	
4-Bromofluorobenzene (S)	79	%	48-130		1	07/26/18 07:45	07/26/18 23:59	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**7.4**	%	0.10	0.10	1		07/30/18 12:43		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(920)469-2436

ANALYTICAL RESULTS

Project: 14-1123 GUNDERSON CLEANERS
Pace Project No.: 40172975

Sample: PZ124 (9-10') **Lab ID: 40172975002** Collected: 07/23/18 10:12 Received: 07/24/18 17:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 01:52	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 01:52	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 01:52	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 01:52	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 01:52	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	07/26/18 07:45	07/27/18 01:52	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 01:52	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 01:52	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 01:52	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 01:52	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 01:52	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	07/26/18 07:45	07/27/18 01:52	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	07/26/18 07:45	07/27/18 01:52	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 01:52	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 01:52	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 01:52	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	07/26/18 07:45	07/27/18 01:52	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 01:52	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 01:52	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 01:52	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 01:52	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 01:52	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 01:52	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 01:52	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 01:52	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 01:52	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 01:52	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 01:52	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 01:52	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 01:52	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 01:52	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 01:52	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 01:52	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 01:52	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 01:52	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 01:52	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 01:52	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 01:52	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 01:52	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 01:52	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 01:52	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 01:52	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	07/26/18 07:45	07/27/18 01:52	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 01:52	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 01:52	100-42-5	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 14-1123 GUNDERSON CLEANERS
Pace Project No.: 40172975

Sample: PZ124 (9-10') **Lab ID: 40172975002** Collected: 07/23/18 10:12 Received: 07/24/18 17:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 01:52	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 01:52	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 01:52	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 01:52	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 01:52	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	07/26/18 07:45	07/27/18 01:52	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 01:52	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 01:52	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 01:52	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 01:52	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 01:52	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 01:52	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 01:52	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 01:52	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	07/26/18 07:45	07/27/18 01:52	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 01:52	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	116	%	57-148		1	07/26/18 07:45	07/27/18 01:52	1868-53-7	
Toluene-d8 (S)	116	%	58-142		1	07/26/18 07:45	07/27/18 01:52	2037-26-5	
4-Bromofluorobenzene (S)	90	%	48-130		1	07/26/18 07:45	07/27/18 01:52	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**16.6**	%	0.10	0.10	1		07/30/18 12:44		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 14-1123 GUNDERSON CLEANERS
Pace Project No.: 40172975

Sample: PZ125 (8-9.5') **Lab ID: 40172975003** Collected: 07/24/18 14:15 Received: 07/24/18 17:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:15	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:15	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:15	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:15	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:15	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	07/26/18 07:45	07/27/18 02:15	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:15	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:15	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:15	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:15	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:15	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	07/26/18 07:45	07/27/18 02:15	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	07/26/18 07:45	07/27/18 02:15	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:15	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:15	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:15	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	07/26/18 07:45	07/27/18 02:15	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:15	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:15	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:15	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:15	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:15	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:15	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:15	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:15	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:15	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:15	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:15	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:15	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:15	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:15	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:15	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:15	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:15	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:15	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:15	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:15	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:15	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:15	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:15	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:15	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:15	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	07/26/18 07:45	07/27/18 02:15	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:15	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:15	100-42-5	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 14-1123 GUNDERSON CLEANERS
Pace Project No.: 40172975

Sample: PZ125 (8-9.5') **Lab ID: 40172975003** Collected: 07/24/18 14:15 Received: 07/24/18 17:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:15	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:15	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:15	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:15	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:15	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	07/26/18 07:45	07/27/18 02:15	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:15	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:15	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:15	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:15	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:15	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:15	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:15	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:15	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	07/26/18 07:45	07/27/18 02:15	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:15	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	102	%	57-148		1	07/26/18 07:45	07/27/18 02:15	1868-53-7	
Toluene-d8 (S)	96	%	58-142		1	07/26/18 07:45	07/27/18 02:15	2037-26-5	
4-Bromofluorobenzene (S)	71	%	48-130		1	07/26/18 07:45	07/27/18 02:15	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**28.5**	%	0.10	0.10	1		07/30/18 12:44		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 14-1123 GUNDERSON CLEANERS
Pace Project No.: 40172975

Sample: PZ125 (13-15') **Lab ID: 40172975004** Collected: 07/24/18 14:40 Received: 07/24/18 17:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:37	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:37	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:37	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:37	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:37	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	07/26/18 07:45	07/27/18 02:37	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:37	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:37	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:37	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:37	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:37	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	07/26/18 07:45	07/27/18 02:37	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	07/26/18 07:45	07/27/18 02:37	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:37	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:37	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:37	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	07/26/18 07:45	07/27/18 02:37	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:37	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:37	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:37	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:37	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:37	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:37	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:37	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:37	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:37	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:37	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:37	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:37	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:37	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:37	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:37	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:37	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:37	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:37	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:37	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:37	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:37	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:37	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:37	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:37	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:37	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	07/26/18 07:45	07/27/18 02:37	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:37	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:37	100-42-5	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 14-1123 GUNDERSON CLEANERS
Pace Project No.: 40172975

Sample: PZ125 (13-15') **Lab ID: 40172975004** Collected: 07/24/18 14:40 Received: 07/24/18 17:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:37	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:37	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:37	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:37	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:37	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	07/26/18 07:45	07/27/18 02:37	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:37	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:37	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:37	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:37	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:37	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:37	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:37	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:37	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	07/26/18 07:45	07/27/18 02:37	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 02:37	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	110	%	57-148		1	07/26/18 07:45	07/27/18 02:37	1868-53-7	
Toluene-d8 (S)	105	%	58-142		1	07/26/18 07:45	07/27/18 02:37	2037-26-5	
4-Bromofluorobenzene (S)	77	%	48-130		1	07/26/18 07:45	07/27/18 02:37	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**16.2**	%	0.10	0.10	1		07/30/18 12:44		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 14-1123 GUNDERSON CLEANERS
Pace Project No.: 40172975

Sample: PZ125 (17.5-18.5') **Lab ID: 40172975005** Collected: 07/24/18 15:00 Received: 07/24/18 17:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 03:00	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 03:00	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 03:00	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 03:00	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 03:00	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	07/26/18 07:45	07/27/18 03:00	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 03:00	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 03:00	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 03:00	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 03:00	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 03:00	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	07/26/18 07:45	07/27/18 03:00	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	07/26/18 07:45	07/27/18 03:00	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 03:00	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 03:00	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 03:00	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	07/26/18 07:45	07/27/18 03:00	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 03:00	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 03:00	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 03:00	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 03:00	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 03:00	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 03:00	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 03:00	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 03:00	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 03:00	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 03:00	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 03:00	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 03:00	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 03:00	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 03:00	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 03:00	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 03:00	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 03:00	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 03:00	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 03:00	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 03:00	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 03:00	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 03:00	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 03:00	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 03:00	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 03:00	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	07/26/18 07:45	07/27/18 03:00	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 03:00	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 03:00	100-42-5	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 14-1123 GUNDERSON CLEANERS
Pace Project No.: 40172975

Sample: PZ125 (17.5-18.5') **Lab ID: 40172975005** Collected: 07/24/18 15:00 Received: 07/24/18 17:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 03:00	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 03:00	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 03:00	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 03:00	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 03:00	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	07/26/18 07:45	07/27/18 03:00	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 03:00	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 03:00	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 03:00	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 03:00	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 03:00	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 03:00	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 03:00	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 03:00	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	07/26/18 07:45	07/27/18 03:00	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/27/18 03:00	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	102	%	57-148		1	07/26/18 07:45	07/27/18 03:00	1868-53-7	
Toluene-d8 (S)	95	%	58-142		1	07/26/18 07:45	07/27/18 03:00	2037-26-5	
4-Bromofluorobenzene (S)	70	%	48-130		1	07/26/18 07:45	07/27/18 03:00	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**21.2**	%	0.10	0.10	1		07/30/18 12:44		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 14-1123 GUNDERSON CLEANERS
Pace Project No.: 40172975

Sample: MEOH BLANK **Lab ID: 40172975006** Collected: 07/24/18 00:00 Received: 07/24/18 17:00 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:37	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:37	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:37	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:37	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:37	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	07/26/18 07:45	07/26/18 23:37	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:37	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:37	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:37	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:37	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:37	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	07/26/18 07:45	07/26/18 23:37	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	07/26/18 07:45	07/26/18 23:37	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:37	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:37	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:37	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	07/26/18 07:45	07/26/18 23:37	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:37	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:37	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:37	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:37	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:37	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:37	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:37	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:37	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:37	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:37	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:37	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:37	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:37	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:37	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:37	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:37	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:37	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:37	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:37	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:37	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:37	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:37	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:37	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:37	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:37	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	07/26/18 07:45	07/26/18 23:37	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:37	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:37	100-42-5	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 14-1123 GUNDERSON CLEANERS
Pace Project No.: 40172975

Sample: MEOH BLANK **Lab ID: 40172975006** Collected: 07/24/18 00:00 Received: 07/24/18 17:00 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:37	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:37	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:37	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:37	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:37	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	07/26/18 07:45	07/26/18 23:37	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:37	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:37	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:37	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:37	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:37	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:37	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:37	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:37	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	07/26/18 07:45	07/26/18 23:37	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 23:37	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	103	%	57-148		1	07/26/18 07:45	07/26/18 23:37	1868-53-7	
Toluene-d8 (S)	102	%	58-142		1	07/26/18 07:45	07/26/18 23:37	2037-26-5	
4-Bromofluorobenzene (S)	84	%	48-130		1	07/26/18 07:45	07/26/18 23:37	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 14-1123 GUNDERSON CLEANERS
Pace Project No.: 40172975

QC Batch: 295615 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
Associated Lab Samples: 40172975001, 40172975002, 40172975003, 40172975004, 40172975005, 40172975006

METHOD BLANK: 1727995 Matrix: Solid
Associated Lab Samples: 40172975001, 40172975002, 40172975003, 40172975004, 40172975005, 40172975006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	07/26/18 17:58	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	07/26/18 17:58	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	07/26/18 17:58	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	07/26/18 17:58	
1,1-Dichloroethane	ug/kg	<17.6	50.0	07/26/18 17:58	
1,1-Dichloroethene	ug/kg	<17.6	50.0	07/26/18 17:58	
1,1-Dichloropropene	ug/kg	<14.0	50.0	07/26/18 17:58	
1,2,3-Trichlorobenzene	ug/kg	<17.0	50.0	07/26/18 17:58	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	07/26/18 17:58	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	07/26/18 17:58	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	07/26/18 17:58	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	07/26/18 17:58	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	07/26/18 17:58	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	07/26/18 17:58	
1,2-Dichloroethane	ug/kg	<15.0	50.0	07/26/18 17:58	
1,2-Dichloropropane	ug/kg	<16.8	50.0	07/26/18 17:58	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	07/26/18 17:58	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	07/26/18 17:58	
1,3-Dichloropropane	ug/kg	<12.0	50.0	07/26/18 17:58	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	07/26/18 17:58	
2,2-Dichloropropane	ug/kg	<12.6	50.0	07/26/18 17:58	
2-Chlorotoluene	ug/kg	<15.8	50.0	07/26/18 17:58	
4-Chlorotoluene	ug/kg	<13.0	50.0	07/26/18 17:58	
Benzene	ug/kg	<9.2	20.0	07/26/18 17:58	
Bromobenzene	ug/kg	<20.6	50.0	07/26/18 17:58	
Bromochloromethane	ug/kg	<21.4	50.0	07/26/18 17:58	
Bromodichloromethane	ug/kg	<9.8	50.0	07/26/18 17:58	
Bromoform	ug/kg	<19.8	50.0	07/26/18 17:58	
Bromomethane	ug/kg	<69.9	250	07/26/18 17:58	
Carbon tetrachloride	ug/kg	<12.1	50.0	07/26/18 17:58	
Chlorobenzene	ug/kg	<14.8	50.0	07/26/18 17:58	
Chloroethane	ug/kg	<67.0	250	07/26/18 17:58	
Chloroform	ug/kg	<46.4	250	07/26/18 17:58	
Chloromethane	ug/kg	<20.4	50.0	07/26/18 17:58	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	07/26/18 17:58	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	07/26/18 17:58	
Dibromochloromethane	ug/kg	<17.9	50.0	07/26/18 17:58	
Dibromomethane	ug/kg	<19.3	50.0	07/26/18 17:58	
Dichlorodifluoromethane	ug/kg	<12.3	50.0	07/26/18 17:58	
Diisopropyl ether	ug/kg	<17.7	50.0	07/26/18 17:58	
Ethylbenzene	ug/kg	<12.4	50.0	07/26/18 17:58	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 14-1123 GUNDERSON CLEANERS
Pace Project No.: 40172975

METHOD BLANK: 1727995 Matrix: Solid
Associated Lab Samples: 40172975001, 40172975002, 40172975003, 40172975004, 40172975005, 40172975006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/kg	<24.5	50.0	07/26/18 17:58	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	07/26/18 17:58	
m&p-Xylene	ug/kg	<34.4	100	07/26/18 17:58	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	07/26/18 17:58	
Methylene Chloride	ug/kg	<16.2	50.0	07/26/18 17:58	
n-Butylbenzene	ug/kg	<10.5	50.0	07/26/18 17:58	
n-Propylbenzene	ug/kg	<11.6	50.0	07/26/18 17:58	
Naphthalene	ug/kg	<40.0	250	07/26/18 17:58	
o-Xylene	ug/kg	<14.0	50.0	07/26/18 17:58	
p-Isopropyltoluene	ug/kg	<12.0	50.0	07/26/18 17:58	
sec-Butylbenzene	ug/kg	<11.9	50.0	07/26/18 17:58	
Styrene	ug/kg	<9.0	50.0	07/26/18 17:58	
tert-Butylbenzene	ug/kg	<9.5	50.0	07/26/18 17:58	
Tetrachloroethene	ug/kg	<12.9	50.0	07/26/18 17:58	
Toluene	ug/kg	<11.2	50.0	07/26/18 17:58	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	07/26/18 17:58	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	07/26/18 17:58	
Trichloroethene	ug/kg	<23.6	50.0	07/26/18 17:58	
Trichlorofluoromethane	ug/kg	<24.7	50.0	07/26/18 17:58	
Vinyl chloride	ug/kg	<21.1	50.0	07/26/18 17:58	
4-Bromofluorobenzene (S)	%	83	48-130	07/26/18 17:58	
Dibromofluoromethane (S)	%	106	57-148	07/26/18 17:58	
Toluene-d8 (S)	%	109	58-142	07/26/18 17:58	

LABORATORY CONTROL SAMPLE: 1727996

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2330	93	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	3000	120	68-130	
1,1,2-Trichloroethane	ug/kg	2500	2850	114	70-130	
1,1-Dichloroethane	ug/kg	2500	2380	95	67-132	
1,1-Dichloroethene	ug/kg	2500	2460	98	67-128	
1,2,4-Trichlorobenzene	ug/kg	2500	2000	80	51-131	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2360	94	49-117	
1,2-Dibromoethane (EDB)	ug/kg	2500	2580	103	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2520	101	70-130	
1,2-Dichloroethane	ug/kg	2500	2320	93	65-137	
1,2-Dichloropropane	ug/kg	2500	2850	114	75-126	
1,3-Dichlorobenzene	ug/kg	2500	2520	101	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2600	104	70-130	
Benzene	ug/kg	2500	2470	99	70-130	
Bromodichloromethane	ug/kg	2500	2660	106	70-130	
Bromoform	ug/kg	2500	2450	98	57-117	
Bromomethane	ug/kg	2500	1630	65	48-135	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 14-1123 GUNDERSON CLEANERS
Pace Project No.: 40172975

LABORATORY CONTROL SAMPLE: 1727996

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/kg	2500	2280	91	65-133	
Chlorobenzene	ug/kg	2500	2630	105	70-130	
Chloroethane	ug/kg	2500	2300	92	37-165	
Chloroform	ug/kg	2500	2350	94	72-126	
Chloromethane	ug/kg	2500	1480	59	34-120	
cis-1,2-Dichloroethene	ug/kg	2500	2290	92	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2620	105	69-130	
Dibromochloromethane	ug/kg	2500	2670	107	68-130	
Dichlorodifluoromethane	ug/kg	2500	774	31	22-100	
Ethylbenzene	ug/kg	2500	2580	103	79-121	
Isopropylbenzene (Cumene)	ug/kg	2500	2500	100	70-130	
m&p-Xylene	ug/kg	5000	5350	107	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2560	103	66-129	
Methylene Chloride	ug/kg	2500	2390	96	68-129	
o-Xylene	ug/kg	2500	2560	103	70-130	
Styrene	ug/kg	2500	2730	109	70-130	
Tetrachloroethene	ug/kg	2500	2530	101	70-130	
Toluene	ug/kg	2500	2770	111	80-123	
trans-1,2-Dichloroethene	ug/kg	2500	2380	95	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2350	94	67-130	
Trichloroethene	ug/kg	2500	2570	103	70-130	
Trichlorofluoromethane	ug/kg	2500	2120	85	64-134	
Vinyl chloride	ug/kg	2500	1670	67	52-122	
4-Bromofluorobenzene (S)	%			93	48-130	
Dibromofluoromethane (S)	%			98	57-148	
Toluene-d8 (S)	%			104	58-142	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1727997 1727998

Parameter	Units	40172975001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/kg	<25.0	1350	1350	1190	1160	88	86	62-130	2	20	
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	1350	1350	1600	1580	118	117	64-137	1	20	
1,1,2-Trichloroethane	ug/kg	<25.0	1350	1350	1550	1550	115	115	70-130	0	20	
1,1-Dichloroethane	ug/kg	<25.0	1350	1350	1300	1240	96	92	65-132	5	20	
1,1-Dichloroethene	ug/kg	<25.0	1350	1350	1150	1180	85	87	50-128	2	21	
1,2,4-Trichlorobenzene	ug/kg	<47.6	1350	1350	1160	1070	86	80	51-148	8	20	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	1350	1350	1250	1240	93	92	43-134	1	23	
1,2-Dibromoethane (EDB)	ug/kg	<25.0	1350	1350	1420	1420	105	105	70-130	0	20	
1,2-Dichlorobenzene	ug/kg	<25.0	1350	1350	1390	1330	103	98	70-130	5	20	
1,2-Dichloroethane	ug/kg	<25.0	1350	1350	1210	1220	90	91	65-139	1	20	
1,2-Dichloropropane	ug/kg	<25.0	1350	1350	1520	1470	112	109	74-128	3	20	
1,3-Dichlorobenzene	ug/kg	<25.0	1350	1350	1400	1370	104	101	70-130	3	20	
1,4-Dichlorobenzene	ug/kg	<25.0	1350	1350	1440	1360	106	101	70-130	5	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 14-1123 GUNDERSON CLEANERS
Pace Project No.: 40172975

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1727997 1727998

Parameter	Units	40172975001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/kg	<25.0	1350	1350	1290	1250	96	92	66-132	4	20	
Bromodichloromethane	ug/kg	<25.0	1350	1350	1430	1390	106	103	69-130	3	20	
Bromoform	ug/kg	<25.0	1350	1350	1390	1360	103	101	57-130	2	20	
Bromomethane	ug/kg	<69.9	1350	1350	842	839	62	62	34-145	0	20	
Carbon tetrachloride	ug/kg	<25.0	1350	1350	1140	1140	85	84	54-133	0	20	
Chlorobenzene	ug/kg	<25.0	1350	1350	1440	1400	107	104	70-130	3	20	
Chloroethane	ug/kg	<67.0	1350	1350	1180	1150	88	85	33-165	3	20	
Chloroform	ug/kg	<46.4	1350	1350	1300	1260	97	94	72-128	3	20	
Chloromethane	ug/kg	<25.0	1350	1350	662	655	49	49	20-120	1	20	
cis-1,2-Dichloroethene	ug/kg	<25.0	1350	1350	1250	1260	93	93	69-130	0	20	
cis-1,3-Dichloropropene	ug/kg	<25.0	1350	1350	1350	1320	100	98	65-130	3	20	
Dibromochloromethane	ug/kg	<25.0	1350	1350	1420	1410	106	104	65-130	1	20	
Dichlorodifluoromethane	ug/kg	<25.0	1350	1350	270	282	20	21	10-109	4	29	
Ethylbenzene	ug/kg	<25.0	1350	1350	1300	1280	96	95	63-127	1	20	
Isopropylbenzene (Cumene)	ug/kg	<25.0	1350	1350	1220	1220	90	91	66-130	1	20	
m&p-Xylene	ug/kg	<50.0	2700	2700	2760	2730	102	101	70-130	1	20	
Methyl-tert-butyl ether	ug/kg	<25.0	1350	1350	1340	1290	99	96	62-135	3	20	
Methylene Chloride	ug/kg	<25.0	1350	1350	1320	1270	98	94	68-129	4	20	
o-Xylene	ug/kg	<25.0	1350	1350	1300	1330	96	98	69-130	2	20	
Styrene	ug/kg	<25.0	1350	1350	1390	1400	103	104	70-130	1	20	
Tetrachloroethene	ug/kg	<25.0	1350	1350	1250	1340	93	99	70-130	7	20	
Toluene	ug/kg	<25.0	1350	1350	1400	1460	104	108	80-123	4	20	
trans-1,2-Dichloroethene	ug/kg	<25.0	1350	1350	1170	1200	87	89	70-130	2	20	
trans-1,3-Dichloropropene	ug/kg	<25.0	1350	1350	1340	1310	99	97	67-130	3	20	
Trichloroethene	ug/kg	<25.0	1350	1350	1300	1280	96	95	70-130	1	20	
Trichlorofluoromethane	ug/kg	<25.0	1350	1350	1020	1010	76	75	41-134	1	26	
Vinyl chloride	ug/kg	<25.0	1350	1350	798	774	59	57	39-122	3	20	
4-Bromofluorobenzene (S)	%						91	95	48-130			
Dibromofluoromethane (S)	%						98	95	57-148			
Toluene-d8 (S)	%						102	106	58-142			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 14-1123 GUNDERSON CLEANERS
Pace Project No.: 40172975

QC Batch: 295823 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 40172975001, 40172975002, 40172975003, 40172975004, 40172975005

SAMPLE DUPLICATE: 1729084

Parameter	Units	40172975002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	16.6	17.4	5	10	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALIFIERS

Project: 14-1123 GUNDERSON CLEANERS
Pace Project No.: 40172975

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 and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

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

W	Non-detect results are reported on a wet weight basis.

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 14-1123 GUNDERSON CLEANERS
Pace Project No.: 40172975

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40172975001	**PZ124 (34-35')**	EPA 5035/5030B	295615	EPA 8260	295619
40172975002	**PZ124 (9-10')**	EPA 5035/5030B	295615	EPA 8260	295619
40172975003	**PZ125 (8-9.5')**	EPA 5035/5030B	295615	EPA 8260	295619
40172975004	**PZ125 (13-15')**	EPA 5035/5030B	295615	EPA 8260	295619
40172975005	**PZ125 (17.5-18.5')**	EPA 5035/5030B	295615	EPA 8260	295619
40172975006	**MEOH BLANK**	EPA 5035/5030B	295615	EPA 8260	295619
40172975001	**PZ124 (34-35')**	ASTM D2974-87	295823		
40172975002	**PZ124 (9-10')**	ASTM D2974-87	295823		
40172975003	**PZ125 (8-9.5')**	ASTM D2974-87	295823		
40172975004	**PZ125 (13-15')**	ASTM D2974-87	295823		
40172975005	**PZ125 (17.5-18.5')**	ASTM D2974-87	295823		

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

Pace Analytical®
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CHAIN OF CUSTODY

40172975

*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

(Please Print Clearly)	
Company Name:	Fehr Graham
Branch/Location:	1237 Pilgrim RD. Plymouth WI
Project Contact:	Ken Ebbott
Phone:	920-892-2414
Project Number:	14-1123
Project Name:	Gunderson cleaners
Project State:	Wisconsin
Sampled By (Print):	Jacob Bergeron
Sampled By (Sign):	
PO #:	Regulatory Program: DERF

Quote #:	DERF Pricing
Mail To Contact:	
Mail To Company:	
Mail To Address:	
Invoice To Contact:	Ken Ebbott
Invoice To Company:	Fehr Graham for Gunderson cleaners
Invoice To Address:	Fehr Graham
Invoice To Phone:	

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

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

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	Analyses Requested: Y/N	Pick Letter	1,4-D	% moisture	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
						F		A			
01	PZ 124 (34-35')	7/23	1137	S			X	X			
02	PZ 124 (9-10')	7/23	1012	S			X	X			
03	PZ 125 (8-9.5')	7/24	1415	S			X	X			
04	PZ 125 (13-15')	7/24	1440	S			X	X			
05	PZ 125 (17.5-18.5')	7/24	1500	S			X	X	DERF Pricing on all	Received on cooler added to COC by lab 7/24/18	
06	Mesh Blank										

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
	7/24 1700		7/24/18 1700
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:

PACE Project No. 40172975

Receipt Temp = RPI °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal
Present / Not Present
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

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

Sample Preservation Receipt Form

Client Name: Fehr Graham Project # 40172975

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:

	Glass							Plastic							Vials						Jars			General							
Pace Lab #	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	VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
001																			/				/										2.5 / 5 / 10
002																			/				/										2.5 / 5 / 10
003																			/				/										2.5 / 5 / 10
004																			/				/										2.5 / 5 / 10
005																			/				/										2.5 / 5 / 10
006																			/														2.5 / 5 / 10
007																																	2.5 / 5 / 10
008																																	2.5 / 5 / 10
009																																	2.5 / 5 / 10
010																																	2.5 / 5 / 10
011																																	2.5 / 5 / 10
012																																	2.5 / 5 / 10
013																																	2.5 / 5 / 10
014																																	2.5 / 5 / 10
015																																	2.5 / 5 / 10
016																																	2.5 / 5 / 10
017																																	2.5 / 5 / 10
018																																	2.5 / 5 / 10
019																																	2.5 / 5 / 10
020																																	2.5 / 5 / 10

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

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	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:	

Pace Analytical™ 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)

Project #: WO#: 40172975

40172975

Client Name: Fehr Graham

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

Tracking #: _____

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

Person examining contents:
Date: 7/24/18
Initials: _____

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

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☑No	6.
Rush Turn Around Time Requested:	☐Yes ☐No	7.
Sufficient Volume: For Analysis: ☑Yes ☐No MS/MSD:	☐Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☑N/A	
Containers Intact:	☑Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: S	☐Yes ☑No ☐N/A	12. 006 - received in cooler - added to COC by lab 001,002 - poly jar - no collection time/date 004 - correct tare weight, 003, 005 - missing tare weight 7/24/18
Trip Blank Present:	☐Yes ☐No ☑N/A	13.
Trip Blank Custody Seals Present	☐Yes ☐No ☑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: CH **Date:** 7/25/18

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

August 30, 2018

Ken Ebbott
Fehr Graham Engineering and Environmental
909 N. 8th Street
Suite 101
Sheboygan, WI 53081

RE: Project: 14-1123 GUNDERSON NEENAH
Pace Project No.: 40174711

Dear Ken Ebbott:
Enclosed are the analytical results for sample(s) received by the laboratory on August 27, 2018. 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,

Christopher Hyska
christopher.hyska@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Megan Hansen, Fehr Graham Engineering and Environmental
Dillon Plamann, Fehr Graham Engineering & Environmental

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: 14-1123 GUNDERSON NEENAH
Pace Project No.: 40174711

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: 14-1123 GUNDERSON NEENAH
Pace Project No.: 40174711

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40174711001	**SUMP A**	Water	08/24/18 09:40	08/27/18 14:07
40174711002	**SUMP B**	Water	08/24/18 08:35	08/27/18 14:07
40174711003	**SUMP C**	Water	08/24/18 09:05	08/27/18 14:07
40174711004	**SUMP D**	Water	08/24/18 10:05	08/27/18 14:07
40174711005	**PZ-104**	Water	08/24/18 09:30	08/27/18 14:07
40174711006	**MW-105**	Water	08/24/18 08:45	08/27/18 14:07
40174711007	**PZ-107**	Water	08/24/18 09:25	08/27/18 14:07
40174711008	**PZ-109**	Water	08/24/18 08:00	08/27/18 14:07
40174711009	**MW-114**	Water	08/24/18 08:20	08/27/18 14:07
40174711010	**MW-115**	Water	08/24/18 08:10	08/27/18 14:07
40174711011	**MW-116**	Water	08/24/18 10:10	08/27/18 14:07
40174711012	**PZ-119**	Water	08/24/18 09:55	08/27/18 14:07
40174711013	**PZ-121**	Water	08/24/18 08:55	08/27/18 14:07
40174711014	**PZ-122**	Water	08/24/18 09:15	08/27/18 14:07
40174711015	**PZ-123**	Water	08/24/18 07:30	08/27/18 14:07
40174711016	**PZ-124**	Water	08/24/18 07:40	08/27/18 14:07
40174711017	**PZ-125**	Water	08/24/18 07:45	08/27/18 14:07
40174711018	**TB**	Water	08/24/18 00:00	08/27/18 14:07

This is actually MW-103

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE ANALYTE COUNT

Project: 14-1123 GUNDERSON NEENAH
Pace Project No.: 40174711

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40174711001	**SUMP A**	EPA 8015B Modified	ALD	3	PASI-G
		EPA 8260	HNW	64	PASI-G
40174711002	**SUMP B**	EPA 8260	HNW	64	PASI-G
40174711003	**SUMP C**	EPA 8015B Modified	ALD	3	PASI-G
		EPA 8260	HNW	64	PASI-G
40174711004	**SUMP D**	EPA 8260	HNW	64	PASI-G
40174711005	**PZ-104**	EPA 8260	HNW	64	PASI-G
40174711006	**MW-105**	EPA 8260	HNW	64	PASI-G
40174711007	**PZ-107**	EPA 8260	HNW	64	PASI-G
40174711008	**PZ-109**	EPA 8260	HNW	64	PASI-G
40174711009	**MW-114**	EPA 8260	HNW	64	PASI-G
40174711010	**MW-115**	EPA 8260	HNW	64	PASI-G
40174711011	**MW-116**	EPA 8260	HNW	64	PASI-G
40174711012	**PZ-119**	EPA 8015B Modified	ALD	3	PASI-G
		EPA 8260	HNW	64	PASI-G
40174711013	**PZ-121**	EPA 8260	HNW	64	PASI-G
40174711014	**PZ-122**	EPA 8015B Modified	ALD	3	PASI-G
		EPA 8260	HNW	64	PASI-G
40174711015	**PZ-123**	EPA 8260	HNW	64	PASI-G
40174711016	**PZ-124**	EPA 8260	HNW	64	PASI-G
40174711017	**PZ-125**	EPA 8260	HNW	64	PASI-G
40174711018	**TB**	EPA 8260	HNW	64	PASI-G

Pace Analytical Services, LLC
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Green Bay, WI 54302
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SUMMARY OF DETECTION

Project: 14-1123 GUNDERSON NEENAH
Pace Project No.: 40174711

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40174711001	**SUMP A**					
EPA 8260	cis-1,2-Dichloroethene	4.0J	ug/L	10.0	08/28/18 09:48	
EPA 8260	Tetrachloroethene	773	ug/L	10.9	08/28/18 09:48	
EPA 8260	Trichloroethene	23.9	ug/L	10.0	08/28/18 09:48	
40174711002	**SUMP B**					
EPA 8260	cis-1,2-Dichloroethene	5.2	ug/L	1.0	08/28/18 12:18	
EPA 8260	Tetrachloroethene	17.3	ug/L	1.1	08/28/18 12:18	
EPA 8260	Trichloroethene	12.6	ug/L	1.0	08/28/18 12:18	
EPA 8260	Vinyl chloride	0.60J	ug/L	1.0	08/28/18 12:18	
40174711003	**SUMP C**					
EPA 8260	cis-1,2-Dichloroethene	5.2	ug/L	1.0	08/28/18 12:40	
EPA 8260	Tetrachloroethene	48.8	ug/L	1.1	08/28/18 12:40	
EPA 8260	Trichloroethene	13.1	ug/L	1.0	08/28/18 12:40	
EPA 8260	Vinyl chloride	1.0	ug/L	1.0	08/28/18 12:40	
40174711004	**SUMP D**					
EPA 8260	cis-1,2-Dichloroethene	5.0J	ug/L	10.0	08/28/18 10:53	
EPA 8260	Tetrachloroethene	1250	ug/L	10.9	08/28/18 10:53	
EPA 8260	Trichloroethene	39.4	ug/L	10.0	08/28/18 10:53	
40174711006	**MW-105**					
EPA 8260	1,1-Dichloroethane	1.4	ug/L	1.0	08/28/18 13:01	
EPA 8260	cis-1,2-Dichloroethene	11.2	ug/L	1.0	08/28/18 13:01	
EPA 8260	Tetrachloroethene	4.5	ug/L	1.1	08/28/18 13:01	
EPA 8260	Trichloroethene	18.7	ug/L	1.0	08/28/18 13:01	
40174711007	**PZ-107**					
EPA 8260	1,1-Dichloroethane	0.37J	ug/L	1.0	08/28/18 13:23	
EPA 8260	1,1-Dichloroethene	0.25J	ug/L	1.0	08/28/18 13:23	
EPA 8260	cis-1,2-Dichloroethene	16.5	ug/L	1.0	08/28/18 13:23	
EPA 8260	Tetrachloroethene	75.5	ug/L	1.1	08/28/18 13:23	
EPA 8260	Trichloroethene	94.1	ug/L	1.0	08/28/18 13:23	
EPA 8260	Vinyl chloride	0.26J	ug/L	1.0	08/28/18 13:23	
40174711008	**PZ-109**					
EPA 8260	1,1-Dichloroethane	0.31J	ug/L	1.0	08/28/18 13:44	
EPA 8260	cis-1,2-Dichloroethene	17.1	ug/L	1.0	08/28/18 13:44	
EPA 8260	Tetrachloroethene	7.4	ug/L	1.1	08/28/18 13:44	
EPA 8260	Trichloroethene	33.4	ug/L	1.0	08/28/18 13:44	
40174711009	**MW-114**					
EPA 8260	cis-1,2-Dichloroethene	3.9	ug/L	1.0	08/28/18 14:06	
EPA 8260	Tetrachloroethene	3.4	ug/L	1.1	08/28/18 14:06	
EPA 8260	Trichloroethene	3.2	ug/L	1.0	08/28/18 14:06	
40174711010	**MW-115**					
EPA 8260	cis-1,2-Dichloroethene	22.0	ug/L	1.0	08/28/18 14:27	
EPA 8260	trans-1,2-Dichloroethene	1.8J	ug/L	3.6	08/28/18 14:27	
EPA 8260	Tetrachloroethene	1.6	ug/L	1.1	08/28/18 14:27	

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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SUMMARY OF DETECTION

Project: 14-1123 GUNDERSON NEENAH
Pace Project No.: 40174711

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40174711010	**MW-115**					
EPA 8260	Trichloroethene	5.1	ug/L	1.0	08/28/18 14:27	
40174711011	**MW-116**					
EPA 8260	cis-1,2-Dichloroethene	1.4	ug/L	1.0	08/29/18 02:47	
EPA 8260	Tetrachloroethene	190	ug/L	1.1	08/29/18 02:47	
EPA 8260	Trichloroethene	6.9	ug/L	1.0	08/29/18 02:47	
40174711012	**PZ-119**					
EPA 8015B Modified	Methane	1.7J	ug/L	2.8	08/28/18 15:23	
EPA 8260	cis-1,2-Dichloroethene	7.8	ug/L	1.0	08/29/18 03:09	
EPA 8260	Tetrachloroethene	32.0	ug/L	1.1	08/29/18 03:09	
EPA 8260	Trichloroethene	9.7	ug/L	1.0	08/29/18 03:09	
EPA 8260	Vinyl chloride	1.5	ug/L	1.0	08/29/18 03:09	
40174711013	**PZ-121**					
EPA 8260	cis-1,2-Dichloroethene	20.5	ug/L	1.0	08/28/18 10:10	
EPA 8260	Trichloroethene	0.36J	ug/L	1.0	08/28/18 10:10	
40174711014	**PZ-122**					
EPA 8015B Modified	Methane	2.2J	ug/L	2.8	08/28/18 15:30	
EPA 8260	cis-1,2-Dichloroethene	3.8	ug/L	1.0	08/28/18 10:31	
EPA 8260	Tetrachloroethene	11.6	ug/L	1.1	08/28/18 10:31	
EPA 8260	Trichloroethene	16.1	ug/L	1.0	08/28/18 10:31	
40174711015	**PZ-123**					
EPA 8260	Toluene	0.18J	ug/L	5.0	08/28/18 14:49	
40174711017	**PZ-125**					
EPA 8260	Toluene	0.23J	ug/L	5.0	08/29/18 01:00	
40174711018	**TB**					
EPA 8260	Toluene	0.48J	ug/L	5.0	08/29/18 18:20	

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ANALYTICAL RESULTS

Project: 14-1123 GUNDERSON NEENAH
Pace Project No.: 40174711

Sample: SUMP A **Lab ID: 40174711001** Collected: 08/24/18 09:40 Received: 08/27/18 14:07 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified								
Ethane	**<0.58**	ug/L	5.6	0.58	1		08/28/18 14:59	74-84-0	
Ethene	**<0.52**	ug/L	5.0	0.52	1		08/28/18 14:59	74-85-1	
Methane	**<1.4**	ug/L	2.8	1.4	1		08/28/18 14:59	74-82-8	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<2.5**	ug/L	10.0	2.5	10		08/28/18 09:48	71-43-2	
Bromobenzene	**<2.4**	ug/L	10.0	2.4	10		08/28/18 09:48	108-86-1	
Bromochloromethane	**<3.6**	ug/L	50.0	3.6	10		08/28/18 09:48	74-97-5	
Bromodichloromethane	**<3.6**	ug/L	12.1	3.6	10		08/28/18 09:48	75-27-4	
Bromoform	**<39.7**	ug/L	132	39.7	10		08/28/18 09:48	75-25-2	
Bromomethane	**<9.7**	ug/L	50.0	9.7	10		08/28/18 09:48	74-83-9	
n-Butylbenzene	**<7.1**	ug/L	23.6	7.1	10		08/28/18 09:48	104-51-8	
sec-Butylbenzene	**<8.5**	ug/L	50.0	8.5	10		08/28/18 09:48	135-98-8	
tert-Butylbenzene	**<3.0**	ug/L	10.1	3.0	10		08/28/18 09:48	98-06-6	
Carbon tetrachloride	**<1.7**	ug/L	10.0	1.7	10		08/28/18 09:48	56-23-5	
Chlorobenzene	**<7.1**	ug/L	23.7	7.1	10		08/28/18 09:48	108-90-7	
Chloroethane	**<13.4**	ug/L	50.0	13.4	10		08/28/18 09:48	75-00-3	
Chloroform	**<12.7**	ug/L	50.0	12.7	10		08/28/18 09:48	67-66-3	
Chloromethane	**<21.9**	ug/L	73.0	21.9	10		08/28/18 09:48	74-87-3	
2-Chlorotoluene	**<9.3**	ug/L	50.0	9.3	10		08/28/18 09:48	95-49-8	
4-Chlorotoluene	**<7.6**	ug/L	25.2	7.6	10		08/28/18 09:48	106-43-4	
1,2-Dibromo-3-chloropropane	**<17.6**	ug/L	58.8	17.6	10		08/28/18 09:48	96-12-8	
Dibromochloromethane	**<26.0**	ug/L	86.7	26.0	10		08/28/18 09:48	124-48-1	
1,2-Dibromoethane (EDB)	**<8.3**	ug/L	27.6	8.3	10		08/28/18 09:48	106-93-4	
Dibromomethane	**<9.4**	ug/L	31.2	9.4	10		08/28/18 09:48	74-95-3	
1,2-Dichlorobenzene	**<7.1**	ug/L	23.5	7.1	10		08/28/18 09:48	95-50-1	
1,3-Dichlorobenzene	**<6.3**	ug/L	20.9	6.3	10		08/28/18 09:48	541-73-1	
1,4-Dichlorobenzene	**<9.4**	ug/L	31.5	9.4	10		08/28/18 09:48	106-46-7	
Dichlorodifluoromethane	**<5.0**	ug/L	50.0	5.0	10		08/28/18 09:48	75-71-8	
1,1-Dichloroethane	**<2.7**	ug/L	10.0	2.7	10		08/28/18 09:48	75-34-3	
1,2-Dichloroethane	**<2.8**	ug/L	10.0	2.8	10		08/28/18 09:48	107-06-2	
1,1-Dichloroethene	**<2.4**	ug/L	10.0	2.4	10		08/28/18 09:48	75-35-4	
cis-1,2-Dichloroethene	**4.0J**	ug/L	10.0	2.7	10		08/28/18 09:48	156-59-2	
trans-1,2-Dichloroethene	**<10.9**	ug/L	36.4	10.9	10		08/28/18 09:48	156-60-5	
1,2-Dichloropropane	**<2.8**	ug/L	10.0	2.8	10		08/28/18 09:48	78-87-5	
1,3-Dichloropropane	**<8.3**	ug/L	27.5	8.3	10		08/28/18 09:48	142-28-9	
2,2-Dichloropropane	**<22.7**	ug/L	75.5	22.7	10		08/28/18 09:48	594-20-7	
1,1-Dichloropropene	**<5.4**	ug/L	18.0	5.4	10		08/28/18 09:48	563-58-6	
cis-1,3-Dichloropropene	**<36.3**	ug/L	121	36.3	10		08/28/18 09:48	10061-01-5	
trans-1,3-Dichloropropene	**<43.7**	ug/L	146	43.7	10		08/28/18 09:48	10061-02-6	
Diisopropyl ether	**<18.9**	ug/L	62.9	18.9	10		08/28/18 09:48	108-20-3	
Ethylbenzene	**<2.2**	ug/L	10.0	2.2	10		08/28/18 09:48	100-41-4	
Hexachloro-1,3-butadiene	**<11.8**	ug/L	50.0	11.8	10		08/28/18 09:48	87-68-3	
Isopropylbenzene (Cumene)	**<3.9**	ug/L	50.0	3.9	10		08/28/18 09:48	98-82-8	
p-Isopropyltoluene	**<8.0**	ug/L	26.7	8.0	10		08/28/18 09:48	99-87-6	
Methylene Chloride	**<5.8**	ug/L	50.0	5.8	10		08/28/18 09:48	75-09-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 14-1123 GUNDERSON NEENAH
Pace Project No.: 40174711

Sample: SUMP A **Lab ID: 40174711001** Collected: 08/24/18 09:40 Received: 08/27/18 14:07 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Methyl-tert-butyl ether	**<12.5**	ug/L	41.5	12.5	10		08/28/18 09:48	1634-04-4	
Naphthalene	**<11.8**	ug/L	50.0	11.8	10		08/28/18 09:48	91-20-3	
n-Propylbenzene	**<8.1**	ug/L	50.0	8.1	10		08/28/18 09:48	103-65-1	
Styrene	**<4.7**	ug/L	15.5	4.7	10		08/28/18 09:48	100-42-5	
1,1,1,2-Tetrachloroethane	**<2.7**	ug/L	10.0	2.7	10		08/28/18 09:48	630-20-6	
1,1,2,2-Tetrachloroethane	**<2.8**	ug/L	10.0	2.8	10		08/28/18 09:48	79-34-5	
Tetrachloroethene	**773**	ug/L	10.9	3.3	10		08/28/18 09:48	127-18-4	
Toluene	**<1.7**	ug/L	50.0	1.7	10		08/28/18 09:48	108-88-3	
1,2,3-Trichlorobenzene	**<6.3**	ug/L	50.0	6.3	10		08/28/18 09:48	87-61-6	
1,2,4-Trichlorobenzene	**<9.5**	ug/L	50.0	9.5	10		08/28/18 09:48	120-82-1	
1,1,1-Trichloroethane	**<2.4**	ug/L	10.0	2.4	10		08/28/18 09:48	71-55-6	
1,1,2-Trichloroethane	**<5.5**	ug/L	50.0	5.5	10		08/28/18 09:48	79-00-5	
Trichloroethene	**23.9**	ug/L	10.0	2.6	10		08/28/18 09:48	79-01-6	
Trichlorofluoromethane	**<2.1**	ug/L	10.0	2.1	10		08/28/18 09:48	75-69-4	
1,2,3-Trichloropropane	**<5.9**	ug/L	50.0	5.9	10		08/28/18 09:48	96-18-4	
1,2,4-Trimethylbenzene	**<8.4**	ug/L	28.0	8.4	10		08/28/18 09:48	95-63-6	
1,3,5-Trimethylbenzene	**<8.7**	ug/L	29.1	8.7	10		08/28/18 09:48	108-67-8	
Vinyl chloride	**<1.7**	ug/L	10.0	1.7	10		08/28/18 09:48	75-01-4	
m&p-Xylene	**<4.7**	ug/L	20.0	4.7	10		08/28/18 09:48	179601-23-1	
o-Xylene	**<2.6**	ug/L	10.0	2.6	10		08/28/18 09:48	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		10		08/28/18 09:48	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		10		08/28/18 09:48	1868-53-7	
Toluene-d8 (S)	100	%	70-130		10		08/28/18 09:48	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 14-1123 GUNDERSON NEENAH
Pace Project No.: 40174711

Sample: SUMP B **Lab ID: 40174711002** Collected: 08/24/18 08:35 Received: 08/27/18 14:07 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		08/28/18 12:18	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		08/28/18 12:18	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		08/28/18 12:18	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		08/28/18 12:18	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		08/28/18 12:18	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		08/28/18 12:18	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		08/28/18 12:18	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		08/28/18 12:18	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		08/28/18 12:18	98-06-6	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		08/28/18 12:18	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		08/28/18 12:18	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		08/28/18 12:18	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		08/28/18 12:18	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		08/28/18 12:18	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		08/28/18 12:18	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		08/28/18 12:18	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		08/28/18 12:18	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		08/28/18 12:18	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		08/28/18 12:18	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		08/28/18 12:18	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		08/28/18 12:18	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		08/28/18 12:18	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		08/28/18 12:18	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		08/28/18 12:18	75-71-8	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		08/28/18 12:18	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		08/28/18 12:18	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		08/28/18 12:18	75-35-4	
cis-1,2-Dichloroethene	**5.2**	ug/L	1.0	0.27	1		08/28/18 12:18	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		08/28/18 12:18	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		08/28/18 12:18	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		08/28/18 12:18	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		08/28/18 12:18	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		08/28/18 12:18	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		08/28/18 12:18	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		08/28/18 12:18	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		08/28/18 12:18	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		08/28/18 12:18	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		08/28/18 12:18	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		08/28/18 12:18	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		08/28/18 12:18	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		08/28/18 12:18	75-09-2	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		08/28/18 12:18	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		08/28/18 12:18	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		08/28/18 12:18	103-65-1	
Styrene	**<0.47**	ug/L	1.6	0.47	1		08/28/18 12:18	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		08/28/18 12:18	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: 14-1123 GUNDERSON NEENAH
Pace Project No.: 40174711

Sample: SUMP B **Lab ID: 40174711002** Collected: 08/24/18 08:35 Received: 08/27/18 14:07 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		08/28/18 12:18	79-34-5	
Tetrachloroethene	**17.3**	ug/L	1.1	0.33	1		08/28/18 12:18	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		08/28/18 12:18	108-88-3	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		08/28/18 12:18	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		08/28/18 12:18	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		08/28/18 12:18	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		08/28/18 12:18	79-00-5	
Trichloroethene	**12.6**	ug/L	1.0	0.26	1		08/28/18 12:18	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		08/28/18 12:18	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		08/28/18 12:18	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		08/28/18 12:18	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		08/28/18 12:18	108-67-8	
Vinyl chloride	**0.60J**	ug/L	1.0	0.17	1		08/28/18 12:18	75-01-4	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		08/28/18 12:18	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		08/28/18 12:18	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		08/28/18 12:18	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		08/28/18 12:18	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		08/28/18 12:18	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: 14-1123 GUNDERSON NEENAH
Pace Project No.: 40174711

Sample: SUMP C **Lab ID: 40174711003** Collected: 08/24/18 09:05 Received: 08/27/18 14:07 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified								
Ethane	**<0.58**	ug/L	5.6	0.58	1		08/28/18 15:16	74-84-0	
Ethene	**<0.52**	ug/L	5.0	0.52	1		08/28/18 15:16	74-85-1	
Methane	**<1.4**	ug/L	2.8	1.4	1		08/28/18 15:16	74-82-8	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		08/28/18 12:40	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		08/28/18 12:40	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		08/28/18 12:40	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		08/28/18 12:40	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		08/28/18 12:40	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		08/28/18 12:40	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		08/28/18 12:40	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		08/28/18 12:40	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		08/28/18 12:40	98-06-6	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		08/28/18 12:40	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		08/28/18 12:40	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		08/28/18 12:40	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		08/28/18 12:40	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		08/28/18 12:40	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		08/28/18 12:40	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		08/28/18 12:40	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		08/28/18 12:40	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		08/28/18 12:40	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		08/28/18 12:40	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		08/28/18 12:40	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		08/28/18 12:40	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		08/28/18 12:40	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		08/28/18 12:40	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		08/28/18 12:40	75-71-8	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		08/28/18 12:40	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		08/28/18 12:40	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		08/28/18 12:40	75-35-4	
cis-1,2-Dichloroethene	**5.2**	ug/L	1.0	0.27	1		08/28/18 12:40	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		08/28/18 12:40	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		08/28/18 12:40	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		08/28/18 12:40	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		08/28/18 12:40	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		08/28/18 12:40	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		08/28/18 12:40	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		08/28/18 12:40	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		08/28/18 12:40	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		08/28/18 12:40	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		08/28/18 12:40	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		08/28/18 12:40	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		08/28/18 12:40	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		08/28/18 12:40	75-09-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 14-1123 GUNDERSON NEENAH
Pace Project No.: 40174711

Sample: SUMP C **Lab ID: 40174711003** Collected: 08/24/18 09:05 Received: 08/27/18 14:07 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		08/28/18 12:40	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		08/28/18 12:40	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		08/28/18 12:40	103-65-1	
Styrene	**<0.47**	ug/L	1.6	0.47	1		08/28/18 12:40	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		08/28/18 12:40	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		08/28/18 12:40	79-34-5	
Tetrachloroethene	**48.8**	ug/L	1.1	0.33	1		08/28/18 12:40	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		08/28/18 12:40	108-88-3	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		08/28/18 12:40	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		08/28/18 12:40	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		08/28/18 12:40	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		08/28/18 12:40	79-00-5	
Trichloroethene	**13.1**	ug/L	1.0	0.26	1		08/28/18 12:40	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		08/28/18 12:40	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		08/28/18 12:40	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		08/28/18 12:40	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		08/28/18 12:40	108-67-8	
Vinyl chloride	**1.0**	ug/L	1.0	0.17	1		08/28/18 12:40	75-01-4	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		08/28/18 12:40	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		08/28/18 12:40	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		08/28/18 12:40	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		08/28/18 12:40	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		08/28/18 12:40	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 14-1123 GUNDERSON NEENAH
Pace Project No.: 40174711

Sample: SUMP D **Lab ID: 40174711004** Collected: 08/24/18 10:05 Received: 08/27/18 14:07 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<2.5**	ug/L	10.0	2.5	10		08/28/18 10:53	71-43-2	
Bromobenzene	**<2.4**	ug/L	10.0	2.4	10		08/28/18 10:53	108-86-1	
Bromochloromethane	**<3.6**	ug/L	50.0	3.6	10		08/28/18 10:53	74-97-5	
Bromodichloromethane	**<3.6**	ug/L	12.1	3.6	10		08/28/18 10:53	75-27-4	
Bromoform	**<39.7**	ug/L	132	39.7	10		08/28/18 10:53	75-25-2	
Bromomethane	**<9.7**	ug/L	50.0	9.7	10		08/28/18 10:53	74-83-9	
n-Butylbenzene	**<7.1**	ug/L	23.6	7.1	10		08/28/18 10:53	104-51-8	
sec-Butylbenzene	**<8.5**	ug/L	50.0	8.5	10		08/28/18 10:53	135-98-8	
tert-Butylbenzene	**<3.0**	ug/L	10.1	3.0	10		08/28/18 10:53	98-06-6	
Carbon tetrachloride	**<1.7**	ug/L	10.0	1.7	10		08/28/18 10:53	56-23-5	
Chlorobenzene	**<7.1**	ug/L	23.7	7.1	10		08/28/18 10:53	108-90-7	
Chloroethane	**<13.4**	ug/L	50.0	13.4	10		08/28/18 10:53	75-00-3	
Chloroform	**<12.7**	ug/L	50.0	12.7	10		08/28/18 10:53	67-66-3	
Chloromethane	**<21.9**	ug/L	73.0	21.9	10		08/28/18 10:53	74-87-3	
2-Chlorotoluene	**<9.3**	ug/L	50.0	9.3	10		08/28/18 10:53	95-49-8	
4-Chlorotoluene	**<7.6**	ug/L	25.2	7.6	10		08/28/18 10:53	106-43-4	
1,2-Dibromo-3-chloropropane	**<17.6**	ug/L	58.8	17.6	10		08/28/18 10:53	96-12-8	
Dibromochloromethane	**<26.0**	ug/L	86.7	26.0	10		08/28/18 10:53	124-48-1	
1,2-Dibromoethane (EDB)	**<8.3**	ug/L	27.6	8.3	10		08/28/18 10:53	106-93-4	
Dibromomethane	**<9.4**	ug/L	31.2	9.4	10		08/28/18 10:53	74-95-3	
1,2-Dichlorobenzene	**<7.1**	ug/L	23.5	7.1	10		08/28/18 10:53	95-50-1	
1,3-Dichlorobenzene	**<6.3**	ug/L	20.9	6.3	10		08/28/18 10:53	541-73-1	
1,4-Dichlorobenzene	**<9.4**	ug/L	31.5	9.4	10		08/28/18 10:53	106-46-7	
Dichlorodifluoromethane	**<5.0**	ug/L	50.0	5.0	10		08/28/18 10:53	75-71-8	
1,1-Dichloroethane	**<2.7**	ug/L	10.0	2.7	10		08/28/18 10:53	75-34-3	
1,2-Dichloroethane	**<2.8**	ug/L	10.0	2.8	10		08/28/18 10:53	107-06-2	
1,1-Dichloroethene	**<2.4**	ug/L	10.0	2.4	10		08/28/18 10:53	75-35-4	
cis-1,2-Dichloroethene	**5.0J**	ug/L	10.0	2.7	10		08/28/18 10:53	156-59-2	
trans-1,2-Dichloroethene	**<10.9**	ug/L	36.4	10.9	10		08/28/18 10:53	156-60-5	
1,2-Dichloropropane	**<2.8**	ug/L	10.0	2.8	10		08/28/18 10:53	78-87-5	
1,3-Dichloropropane	**<8.3**	ug/L	27.5	8.3	10		08/28/18 10:53	142-28-9	
2,2-Dichloropropane	**<22.7**	ug/L	75.5	22.7	10		08/28/18 10:53	594-20-7	
1,1-Dichloropropene	**<5.4**	ug/L	18.0	5.4	10		08/28/18 10:53	563-58-6	
cis-1,3-Dichloropropene	**<36.3**	ug/L	121	36.3	10		08/28/18 10:53	10061-01-5	
trans-1,3-Dichloropropene	**<43.7**	ug/L	146	43.7	10		08/28/18 10:53	10061-02-6	
Diisopropyl ether	**<18.9**	ug/L	62.9	18.9	10		08/28/18 10:53	108-20-3	
Ethylbenzene	**<2.2**	ug/L	10.0	2.2	10		08/28/18 10:53	100-41-4	
Hexachloro-1,3-butadiene	**<11.8**	ug/L	50.0	11.8	10		08/28/18 10:53	87-68-3	
Isopropylbenzene (Cumene)	**<3.9**	ug/L	50.0	3.9	10		08/28/18 10:53	98-82-8	
p-Isopropyltoluene	**<8.0**	ug/L	26.7	8.0	10		08/28/18 10:53	99-87-6	
Methylene Chloride	**<5.8**	ug/L	50.0	5.8	10		08/28/18 10:53	75-09-2	
Methyl-tert-butyl ether	**<12.5**	ug/L	41.5	12.5	10		08/28/18 10:53	1634-04-4	
Naphthalene	**<11.8**	ug/L	50.0	11.8	10		08/28/18 10:53	91-20-3	
n-Propylbenzene	**<8.1**	ug/L	50.0	8.1	10		08/28/18 10:53	103-65-1	
Styrene	**<4.7**	ug/L	15.5	4.7	10		08/28/18 10:53	100-42-5	
1,1,1,2-Tetrachloroethane	**<2.7**	ug/L	10.0	2.7	10		08/28/18 10:53	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 14-1123 GUNDERSON NEENAH
Pace Project No.: 40174711

Sample: SUMP D **Lab ID: 40174711004** Collected: 08/24/18 10:05 Received: 08/27/18 14:07 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<2.8**	ug/L	10.0	2.8	10		08/28/18 10:53	79-34-5	
Tetrachloroethene	**1250**	ug/L	10.9	3.3	10		08/28/18 10:53	127-18-4	
Toluene	**<1.7**	ug/L	50.0	1.7	10		08/28/18 10:53	108-88-3	
1,2,3-Trichlorobenzene	**<6.3**	ug/L	50.0	6.3	10		08/28/18 10:53	87-61-6	
1,2,4-Trichlorobenzene	**<9.5**	ug/L	50.0	9.5	10		08/28/18 10:53	120-82-1	
1,1,1-Trichloroethane	**<2.4**	ug/L	10.0	2.4	10		08/28/18 10:53	71-55-6	
1,1,2-Trichloroethane	**<5.5**	ug/L	50.0	5.5	10		08/28/18 10:53	79-00-5	
Trichloroethene	**39.4**	ug/L	10.0	2.6	10		08/28/18 10:53	79-01-6	
Trichlorofluoromethane	**<2.1**	ug/L	10.0	2.1	10		08/28/18 10:53	75-69-4	
1,2,3-Trichloropropane	**<5.9**	ug/L	50.0	5.9	10		08/28/18 10:53	96-18-4	
1,2,4-Trimethylbenzene	**<8.4**	ug/L	28.0	8.4	10		08/28/18 10:53	95-63-6	
1,3,5-Trimethylbenzene	**<8.7**	ug/L	29.1	8.7	10		08/28/18 10:53	108-67-8	
Vinyl chloride	**<1.7**	ug/L	10.0	1.7	10		08/28/18 10:53	75-01-4	
m&p-Xylene	**<4.7**	ug/L	20.0	4.7	10		08/28/18 10:53	179601-23-1	
o-Xylene	**<2.6**	ug/L	10.0	2.6	10		08/28/18 10:53	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	88	%	70-130		10		08/28/18 10:53	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		10		08/28/18 10:53	1868-53-7	
Toluene-d8 (S)	101	%	70-130		10		08/28/18 10:53	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 14-1123 GUNDERSON NEENAH
Pace Project No.: 40174711

Sample: PZ-104 **Lab ID: 40174711005** Collected: 08/24/18 09:30 Received: 08/27/18 14:07 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		08/29/18 02:26	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		08/29/18 02:26	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		08/29/18 02:26	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		08/29/18 02:26	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		08/29/18 02:26	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		08/29/18 02:26	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		08/29/18 02:26	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		08/29/18 02:26	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		08/29/18 02:26	98-06-6	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		08/29/18 02:26	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		08/29/18 02:26	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		08/29/18 02:26	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		08/29/18 02:26	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		08/29/18 02:26	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		08/29/18 02:26	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		08/29/18 02:26	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		08/29/18 02:26	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		08/29/18 02:26	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		08/29/18 02:26	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		08/29/18 02:26	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		08/29/18 02:26	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		08/29/18 02:26	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		08/29/18 02:26	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		08/29/18 02:26	75-71-8	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		08/29/18 02:26	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		08/29/18 02:26	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		08/29/18 02:26	75-35-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		08/29/18 02:26	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		08/29/18 02:26	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		08/29/18 02:26	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		08/29/18 02:26	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		08/29/18 02:26	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		08/29/18 02:26	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		08/29/18 02:26	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		08/29/18 02:26	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		08/29/18 02:26	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		08/29/18 02:26	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		08/29/18 02:26	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		08/29/18 02:26	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		08/29/18 02:26	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		08/29/18 02:26	75-09-2	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		08/29/18 02:26	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		08/29/18 02:26	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		08/29/18 02:26	103-65-1	
Styrene	**<0.47**	ug/L	1.6	0.47	1		08/29/18 02:26	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		08/29/18 02:26	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 14-1123 GUNDERSON NEENAH
Pace Project No.: 40174711

Sample: PZ-104 **Lab ID: 40174711005** Collected: 08/24/18 09:30 Received: 08/27/18 14:07 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		08/29/18 02:26	79-34-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		08/29/18 02:26	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		08/29/18 02:26	108-88-3	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		08/29/18 02:26	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		08/29/18 02:26	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		08/29/18 02:26	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		08/29/18 02:26	79-00-5	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		08/29/18 02:26	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		08/29/18 02:26	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		08/29/18 02:26	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		08/29/18 02:26	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		08/29/18 02:26	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		08/29/18 02:26	75-01-4	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		08/29/18 02:26	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		08/29/18 02:26	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	70-130		1		08/29/18 02:26	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		08/29/18 02:26	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		08/29/18 02:26	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 14-1123 GUNDERSON NEENAH
Pace Project No.: 40174711

Sample: MW-105 **Lab ID: 40174711006** Collected: 08/24/18 08:45 Received: 08/27/18 14:07 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		08/28/18 13:01	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		08/28/18 13:01	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		08/28/18 13:01	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		08/28/18 13:01	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		08/28/18 13:01	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		08/28/18 13:01	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		08/28/18 13:01	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		08/28/18 13:01	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		08/28/18 13:01	98-06-6	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		08/28/18 13:01	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		08/28/18 13:01	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		08/28/18 13:01	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		08/28/18 13:01	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		08/28/18 13:01	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		08/28/18 13:01	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		08/28/18 13:01	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		08/28/18 13:01	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		08/28/18 13:01	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		08/28/18 13:01	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		08/28/18 13:01	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		08/28/18 13:01	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		08/28/18 13:01	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		08/28/18 13:01	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		08/28/18 13:01	75-71-8	
1,1-Dichloroethane	**1.4**	ug/L	1.0	0.27	1		08/28/18 13:01	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		08/28/18 13:01	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		08/28/18 13:01	75-35-4	
cis-1,2-Dichloroethene	**11.2**	ug/L	1.0	0.27	1		08/28/18 13:01	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		08/28/18 13:01	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		08/28/18 13:01	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		08/28/18 13:01	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		08/28/18 13:01	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		08/28/18 13:01	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		08/28/18 13:01	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		08/28/18 13:01	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		08/28/18 13:01	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		08/28/18 13:01	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		08/28/18 13:01	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		08/28/18 13:01	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		08/28/18 13:01	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		08/28/18 13:01	75-09-2	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		08/28/18 13:01	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		08/28/18 13:01	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		08/28/18 13:01	103-65-1	
Styrene	**<0.47**	ug/L	1.6	0.47	1		08/28/18 13:01	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		08/28/18 13:01	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 14-1123 GUNDERSON NEENAH
Pace Project No.: 40174711

Sample: MW-105 **Lab ID: 40174711006** Collected: 08/24/18 08:45 Received: 08/27/18 14:07 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		08/28/18 13:01	79-34-5	
Tetrachloroethene	**4.5**	ug/L	1.1	0.33	1		08/28/18 13:01	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		08/28/18 13:01	108-88-3	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		08/28/18 13:01	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		08/28/18 13:01	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		08/28/18 13:01	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		08/28/18 13:01	79-00-5	
Trichloroethene	**18.7**	ug/L	1.0	0.26	1		08/28/18 13:01	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		08/28/18 13:01	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		08/28/18 13:01	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		08/28/18 13:01	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		08/28/18 13:01	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		08/28/18 13:01	75-01-4	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		08/28/18 13:01	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		08/28/18 13:01	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		08/28/18 13:01	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		08/28/18 13:01	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		08/28/18 13:01	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 14-1123 GUNDERSON NEENAH
Pace Project No.: 40174711

Sample: PZ-107 **Lab ID: 40174711007** Collected: 08/24/18 09:25 Received: 08/27/18 14:07 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		08/28/18 13:23	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		08/28/18 13:23	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		08/28/18 13:23	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		08/28/18 13:23	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		08/28/18 13:23	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		08/28/18 13:23	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		08/28/18 13:23	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		08/28/18 13:23	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		08/28/18 13:23	98-06-6	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		08/28/18 13:23	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		08/28/18 13:23	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		08/28/18 13:23	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		08/28/18 13:23	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		08/28/18 13:23	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		08/28/18 13:23	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		08/28/18 13:23	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		08/28/18 13:23	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		08/28/18 13:23	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		08/28/18 13:23	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		08/28/18 13:23	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		08/28/18 13:23	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		08/28/18 13:23	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		08/28/18 13:23	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		08/28/18 13:23	75-71-8	
1,1-Dichloroethane	**0.37J**	ug/L	1.0	0.27	1		08/28/18 13:23	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		08/28/18 13:23	107-06-2	
1,1-Dichloroethene	**0.25J**	ug/L	1.0	0.24	1		08/28/18 13:23	75-35-4	
cis-1,2-Dichloroethene	**16.5**	ug/L	1.0	0.27	1		08/28/18 13:23	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		08/28/18 13:23	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		08/28/18 13:23	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		08/28/18 13:23	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		08/28/18 13:23	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		08/28/18 13:23	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		08/28/18 13:23	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		08/28/18 13:23	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		08/28/18 13:23	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		08/28/18 13:23	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		08/28/18 13:23	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		08/28/18 13:23	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		08/28/18 13:23	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		08/28/18 13:23	75-09-2	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		08/28/18 13:23	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		08/28/18 13:23	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		08/28/18 13:23	103-65-1	
Styrene	**<0.47**	ug/L	1.6	0.47	1		08/28/18 13:23	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		08/28/18 13:23	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: 14-1123 GUNDERSON NEENAH
Pace Project No.: 40174711

Sample: PZ-107 **Lab ID: 40174711007** Collected: 08/24/18 09:25 Received: 08/27/18 14:07 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		08/28/18 13:23	79-34-5	
Tetrachloroethene	**75.5**	ug/L	1.1	0.33	1		08/28/18 13:23	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		08/28/18 13:23	108-88-3	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		08/28/18 13:23	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		08/28/18 13:23	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		08/28/18 13:23	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		08/28/18 13:23	79-00-5	
Trichloroethene	**94.1**	ug/L	1.0	0.26	1		08/28/18 13:23	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		08/28/18 13:23	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		08/28/18 13:23	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		08/28/18 13:23	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		08/28/18 13:23	108-67-8	
Vinyl chloride	**0.26J**	ug/L	1.0	0.17	1		08/28/18 13:23	75-01-4	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		08/28/18 13:23	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		08/28/18 13:23	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	88	%	70-130		1		08/28/18 13:23	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		08/28/18 13:23	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		08/28/18 13:23	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 14-1123 GUNDERSON NEENAH
Pace Project No.: 40174711

Sample: PZ-109 **Lab ID: 40174711008** Collected: 08/24/18 08:00 Received: 08/27/18 14:07 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		08/28/18 13:44	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		08/28/18 13:44	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		08/28/18 13:44	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		08/28/18 13:44	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		08/28/18 13:44	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		08/28/18 13:44	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		08/28/18 13:44	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		08/28/18 13:44	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		08/28/18 13:44	98-06-6	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		08/28/18 13:44	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		08/28/18 13:44	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		08/28/18 13:44	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		08/28/18 13:44	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		08/28/18 13:44	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		08/28/18 13:44	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		08/28/18 13:44	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		08/28/18 13:44	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		08/28/18 13:44	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		08/28/18 13:44	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		08/28/18 13:44	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		08/28/18 13:44	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		08/28/18 13:44	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		08/28/18 13:44	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		08/28/18 13:44	75-71-8	
1,1-Dichloroethane	**0.31J**	ug/L	1.0	0.27	1		08/28/18 13:44	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		08/28/18 13:44	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		08/28/18 13:44	75-35-4	
cis-1,2-Dichloroethene	**17.1**	ug/L	1.0	0.27	1		08/28/18 13:44	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		08/28/18 13:44	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		08/28/18 13:44	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		08/28/18 13:44	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		08/28/18 13:44	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		08/28/18 13:44	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		08/28/18 13:44	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		08/28/18 13:44	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		08/28/18 13:44	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		08/28/18 13:44	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		08/28/18 13:44	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		08/28/18 13:44	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		08/28/18 13:44	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		08/28/18 13:44	75-09-2	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		08/28/18 13:44	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		08/28/18 13:44	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		08/28/18 13:44	103-65-1	
Styrene	**<0.47**	ug/L	1.6	0.47	1		08/28/18 13:44	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		08/28/18 13:44	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 14-1123 GUNDERSON NEENAH
Pace Project No.: 40174711

Sample: PZ-109 **Lab ID: 40174711008** Collected: 08/24/18 08:00 Received: 08/27/18 14:07 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		08/28/18 13:44	79-34-5	
Tetrachloroethene	**7.4**	ug/L	1.1	0.33	1		08/28/18 13:44	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		08/28/18 13:44	108-88-3	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		08/28/18 13:44	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		08/28/18 13:44	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		08/28/18 13:44	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		08/28/18 13:44	79-00-5	
Trichloroethene	**33.4**	ug/L	1.0	0.26	1		08/28/18 13:44	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		08/28/18 13:44	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		08/28/18 13:44	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		08/28/18 13:44	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		08/28/18 13:44	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		08/28/18 13:44	75-01-4	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		08/28/18 13:44	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		08/28/18 13:44	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		08/28/18 13:44	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		08/28/18 13:44	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		08/28/18 13:44	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 14-1123 GUNDERSON NEENAH
Pace Project No.: 40174711

Sample: MW-114 **Lab ID: 40174711009** Collected: 08/24/18 08:20 Received: 08/27/18 14:07 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		08/28/18 14:06	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		08/28/18 14:06	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		08/28/18 14:06	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		08/28/18 14:06	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		08/28/18 14:06	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		08/28/18 14:06	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		08/28/18 14:06	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		08/28/18 14:06	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		08/28/18 14:06	98-06-6	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		08/28/18 14:06	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		08/28/18 14:06	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		08/28/18 14:06	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		08/28/18 14:06	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		08/28/18 14:06	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		08/28/18 14:06	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		08/28/18 14:06	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		08/28/18 14:06	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		08/28/18 14:06	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		08/28/18 14:06	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		08/28/18 14:06	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		08/28/18 14:06	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		08/28/18 14:06	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		08/28/18 14:06	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		08/28/18 14:06	75-71-8	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		08/28/18 14:06	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		08/28/18 14:06	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		08/28/18 14:06	75-35-4	
cis-1,2-Dichloroethene	**3.9**	ug/L	1.0	0.27	1		08/28/18 14:06	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		08/28/18 14:06	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		08/28/18 14:06	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		08/28/18 14:06	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		08/28/18 14:06	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		08/28/18 14:06	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		08/28/18 14:06	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		08/28/18 14:06	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		08/28/18 14:06	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		08/28/18 14:06	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		08/28/18 14:06	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		08/28/18 14:06	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		08/28/18 14:06	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		08/28/18 14:06	75-09-2	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		08/28/18 14:06	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		08/28/18 14:06	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		08/28/18 14:06	103-65-1	
Styrene	**<0.47**	ug/L	1.6	0.47	1		08/28/18 14:06	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		08/28/18 14:06	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 14-1123 GUNDERSON NEENAH
Pace Project No.: 40174711

Sample: MW-114 **Lab ID: 40174711009** Collected: 08/24/18 08:20 Received: 08/27/18 14:07 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		08/28/18 14:06	79-34-5	
Tetrachloroethene	**3.4**	ug/L	1.1	0.33	1		08/28/18 14:06	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		08/28/18 14:06	108-88-3	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		08/28/18 14:06	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		08/28/18 14:06	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		08/28/18 14:06	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		08/28/18 14:06	79-00-5	
Trichloroethene	**3.2**	ug/L	1.0	0.26	1		08/28/18 14:06	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		08/28/18 14:06	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		08/28/18 14:06	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		08/28/18 14:06	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		08/28/18 14:06	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		08/28/18 14:06	75-01-4	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		08/28/18 14:06	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		08/28/18 14:06	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	88	%	70-130		1		08/28/18 14:06	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		08/28/18 14:06	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		08/28/18 14:06	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 14-1123 GUNDERSON NEENAH
Pace Project No.: 40174711

Sample: MW-115 **Lab ID: 40174711010** Collected: 08/24/18 08:10 Received: 08/27/18 14:07 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		08/28/18 14:27	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		08/28/18 14:27	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		08/28/18 14:27	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		08/28/18 14:27	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		08/28/18 14:27	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		08/28/18 14:27	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		08/28/18 14:27	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		08/28/18 14:27	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		08/28/18 14:27	98-06-6	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		08/28/18 14:27	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		08/28/18 14:27	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		08/28/18 14:27	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		08/28/18 14:27	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		08/28/18 14:27	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		08/28/18 14:27	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		08/28/18 14:27	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		08/28/18 14:27	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		08/28/18 14:27	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		08/28/18 14:27	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		08/28/18 14:27	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		08/28/18 14:27	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		08/28/18 14:27	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		08/28/18 14:27	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		08/28/18 14:27	75-71-8	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		08/28/18 14:27	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		08/28/18 14:27	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		08/28/18 14:27	75-35-4	
cis-1,2-Dichloroethene	**22.0**	ug/L	1.0	0.27	1		08/28/18 14:27	156-59-2	
trans-1,2-Dichloroethene	**1.8J**	ug/L	3.6	1.1	1		08/28/18 14:27	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		08/28/18 14:27	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		08/28/18 14:27	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		08/28/18 14:27	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		08/28/18 14:27	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		08/28/18 14:27	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		08/28/18 14:27	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		08/28/18 14:27	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		08/28/18 14:27	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		08/28/18 14:27	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		08/28/18 14:27	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		08/28/18 14:27	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		08/28/18 14:27	75-09-2	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		08/28/18 14:27	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		08/28/18 14:27	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		08/28/18 14:27	103-65-1	
Styrene	**<0.47**	ug/L	1.6	0.47	1		08/28/18 14:27	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		08/28/18 14:27	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 14-1123 GUNDERSON NEENAH
Pace Project No.: 40174711

Sample: MW-115 **Lab ID: 40174711010** Collected: 08/24/18 08:10 Received: 08/27/18 14:07 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		08/28/18 14:27	79-34-5	
Tetrachloroethene	**1.6**	ug/L	1.1	0.33	1		08/28/18 14:27	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		08/28/18 14:27	108-88-3	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		08/28/18 14:27	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		08/28/18 14:27	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		08/28/18 14:27	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		08/28/18 14:27	79-00-5	
Trichloroethene	**5.1**	ug/L	1.0	0.26	1		08/28/18 14:27	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		08/28/18 14:27	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		08/28/18 14:27	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		08/28/18 14:27	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		08/28/18 14:27	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		08/28/18 14:27	75-01-4	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		08/28/18 14:27	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		08/28/18 14:27	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		08/28/18 14:27	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		08/28/18 14:27	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		08/28/18 14:27	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 14-1123 GUNDERSON NEENAH
Pace Project No.: 40174711

Sample: MW-116 **Lab ID: 40174711011** Collected: 08/24/18 10:10 Received: 08/27/18 14:07 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		08/29/18 02:47	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		08/29/18 02:47	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		08/29/18 02:47	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		08/29/18 02:47	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		08/29/18 02:47	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		08/29/18 02:47	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		08/29/18 02:47	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		08/29/18 02:47	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		08/29/18 02:47	98-06-6	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		08/29/18 02:47	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		08/29/18 02:47	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		08/29/18 02:47	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		08/29/18 02:47	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		08/29/18 02:47	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		08/29/18 02:47	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		08/29/18 02:47	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		08/29/18 02:47	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		08/29/18 02:47	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		08/29/18 02:47	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		08/29/18 02:47	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		08/29/18 02:47	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		08/29/18 02:47	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		08/29/18 02:47	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		08/29/18 02:47	75-71-8	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		08/29/18 02:47	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		08/29/18 02:47	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		08/29/18 02:47	75-35-4	
cis-1,2-Dichloroethene	**1.4**	ug/L	1.0	0.27	1		08/29/18 02:47	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		08/29/18 02:47	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		08/29/18 02:47	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		08/29/18 02:47	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		08/29/18 02:47	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		08/29/18 02:47	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		08/29/18 02:47	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		08/29/18 02:47	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		08/29/18 02:47	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		08/29/18 02:47	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		08/29/18 02:47	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		08/29/18 02:47	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		08/29/18 02:47	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		08/29/18 02:47	75-09-2	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		08/29/18 02:47	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		08/29/18 02:47	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		08/29/18 02:47	103-65-1	
Styrene	**<0.47**	ug/L	1.6	0.47	1		08/29/18 02:47	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		08/29/18 02:47	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 14-1123 GUNDERSON NEENAH
Pace Project No.: 40174711

Sample: MW-116 **Lab ID: 40174711011** Collected: 08/24/18 10:10 Received: 08/27/18 14:07 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		08/29/18 02:47	79-34-5	
Tetrachloroethene	**190**	ug/L	1.1	0.33	1		08/29/18 02:47	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		08/29/18 02:47	108-88-3	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		08/29/18 02:47	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		08/29/18 02:47	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		08/29/18 02:47	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		08/29/18 02:47	79-00-5	
Trichloroethene	**6.9**	ug/L	1.0	0.26	1		08/29/18 02:47	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		08/29/18 02:47	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		08/29/18 02:47	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		08/29/18 02:47	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		08/29/18 02:47	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		08/29/18 02:47	75-01-4	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		08/29/18 02:47	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		08/29/18 02:47	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		08/29/18 02:47	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		08/29/18 02:47	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		08/29/18 02:47	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 14-1123 GUNDERSON NEENAH
Pace Project No.: 40174711

Sample: PZ-119 **Lab ID: 40174711012** Collected: 08/24/18 09:55 Received: 08/27/18 14:07 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified								
Ethane	**<0.58**	ug/L	5.6	0.58	1		08/28/18 15:23	74-84-0	
Ethene	**<0.52**	ug/L	5.0	0.52	1		08/28/18 15:23	74-85-1	
Methane	**1.7J**	ug/L	2.8	1.4	1		08/28/18 15:23	74-82-8	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		08/29/18 03:09	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		08/29/18 03:09	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		08/29/18 03:09	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		08/29/18 03:09	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		08/29/18 03:09	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		08/29/18 03:09	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		08/29/18 03:09	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		08/29/18 03:09	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		08/29/18 03:09	98-06-6	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		08/29/18 03:09	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		08/29/18 03:09	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		08/29/18 03:09	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		08/29/18 03:09	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		08/29/18 03:09	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		08/29/18 03:09	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		08/29/18 03:09	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		08/29/18 03:09	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		08/29/18 03:09	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		08/29/18 03:09	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		08/29/18 03:09	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		08/29/18 03:09	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		08/29/18 03:09	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		08/29/18 03:09	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		08/29/18 03:09	75-71-8	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		08/29/18 03:09	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		08/29/18 03:09	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		08/29/18 03:09	75-35-4	
cis-1,2-Dichloroethene	**7.8**	ug/L	1.0	0.27	1		08/29/18 03:09	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		08/29/18 03:09	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		08/29/18 03:09	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		08/29/18 03:09	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		08/29/18 03:09	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		08/29/18 03:09	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		08/29/18 03:09	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		08/29/18 03:09	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		08/29/18 03:09	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		08/29/18 03:09	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		08/29/18 03:09	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		08/29/18 03:09	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		08/29/18 03:09	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		08/29/18 03:09	75-09-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: 14-1123 GUNDERSON NEENAH
Pace Project No.: 40174711

Sample: PZ-119 **Lab ID: 40174711012** Collected: 08/24/18 09:55 Received: 08/27/18 14:07 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		08/29/18 03:09	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		08/29/18 03:09	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		08/29/18 03:09	103-65-1	
Styrene	**<0.47**	ug/L	1.6	0.47	1		08/29/18 03:09	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		08/29/18 03:09	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		08/29/18 03:09	79-34-5	
Tetrachloroethene	**32.0**	ug/L	1.1	0.33	1		08/29/18 03:09	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		08/29/18 03:09	108-88-3	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		08/29/18 03:09	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		08/29/18 03:09	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		08/29/18 03:09	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		08/29/18 03:09	79-00-5	
Trichloroethene	**9.7**	ug/L	1.0	0.26	1		08/29/18 03:09	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		08/29/18 03:09	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		08/29/18 03:09	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		08/29/18 03:09	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		08/29/18 03:09	108-67-8	
Vinyl chloride	**1.5**	ug/L	1.0	0.17	1		08/29/18 03:09	75-01-4	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		08/29/18 03:09	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		08/29/18 03:09	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		08/29/18 03:09	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		08/29/18 03:09	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		08/29/18 03:09	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 14-1123 GUNDERSON NEENAH
Pace Project No.: 40174711

Sample: PZ-121 **Lab ID: 40174711013** Collected: 08/24/18 08:55 Received: 08/27/18 14:07 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		08/28/18 10:10	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		08/28/18 10:10	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		08/28/18 10:10	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		08/28/18 10:10	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		08/28/18 10:10	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		08/28/18 10:10	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		08/28/18 10:10	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		08/28/18 10:10	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		08/28/18 10:10	98-06-6	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		08/28/18 10:10	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		08/28/18 10:10	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		08/28/18 10:10	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		08/28/18 10:10	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		08/28/18 10:10	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		08/28/18 10:10	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		08/28/18 10:10	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		08/28/18 10:10	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		08/28/18 10:10	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		08/28/18 10:10	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		08/28/18 10:10	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		08/28/18 10:10	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		08/28/18 10:10	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		08/28/18 10:10	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		08/28/18 10:10	75-71-8	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		08/28/18 10:10	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		08/28/18 10:10	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		08/28/18 10:10	75-35-4	
cis-1,2-Dichloroethene	**20.5**	ug/L	1.0	0.27	1		08/28/18 10:10	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		08/28/18 10:10	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		08/28/18 10:10	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		08/28/18 10:10	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		08/28/18 10:10	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		08/28/18 10:10	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		08/28/18 10:10	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		08/28/18 10:10	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		08/28/18 10:10	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		08/28/18 10:10	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		08/28/18 10:10	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		08/28/18 10:10	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		08/28/18 10:10	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		08/28/18 10:10	75-09-2	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		08/28/18 10:10	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		08/28/18 10:10	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		08/28/18 10:10	103-65-1	
Styrene	**<0.47**	ug/L	1.6	0.47	1		08/28/18 10:10	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		08/28/18 10:10	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 14-1123 GUNDERSON NEENAH
Pace Project No.: 40174711

Sample: PZ-121 **Lab ID: 40174711013** Collected: 08/24/18 08:55 Received: 08/27/18 14:07 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		08/28/18 10:10	79-34-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		08/28/18 10:10	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		08/28/18 10:10	108-88-3	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		08/28/18 10:10	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		08/28/18 10:10	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		08/28/18 10:10	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		08/28/18 10:10	79-00-5	
Trichloroethene	**0.36J**	ug/L	1.0	0.26	1		08/28/18 10:10	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		08/28/18 10:10	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		08/28/18 10:10	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		08/28/18 10:10	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		08/28/18 10:10	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		08/28/18 10:10	75-01-4	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		08/28/18 10:10	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		08/28/18 10:10	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		08/28/18 10:10	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		08/28/18 10:10	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		08/28/18 10:10	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 14-1123 GUNDERSON NEENAH
Pace Project No.: 40174711

Sample: PZ-122 **Lab ID: 40174711014** Collected: 08/24/18 09:15 Received: 08/27/18 14:07 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified								
Ethane	**<0.58**	ug/L	5.6	0.58	1		08/28/18 15:30	74-84-0	
Ethene	**<0.52**	ug/L	5.0	0.52	1		08/28/18 15:30	74-85-1	
Methane	**2.2J**	ug/L	2.8	1.4	1		08/28/18 15:30	74-82-8	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		08/28/18 10:31	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		08/28/18 10:31	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		08/28/18 10:31	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		08/28/18 10:31	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		08/28/18 10:31	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		08/28/18 10:31	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		08/28/18 10:31	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		08/28/18 10:31	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		08/28/18 10:31	98-06-6	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		08/28/18 10:31	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		08/28/18 10:31	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		08/28/18 10:31	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		08/28/18 10:31	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		08/28/18 10:31	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		08/28/18 10:31	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		08/28/18 10:31	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		08/28/18 10:31	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		08/28/18 10:31	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		08/28/18 10:31	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		08/28/18 10:31	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		08/28/18 10:31	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		08/28/18 10:31	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		08/28/18 10:31	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		08/28/18 10:31	75-71-8	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		08/28/18 10:31	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		08/28/18 10:31	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		08/28/18 10:31	75-35-4	
cis-1,2-Dichloroethene	**3.8**	ug/L	1.0	0.27	1		08/28/18 10:31	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		08/28/18 10:31	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		08/28/18 10:31	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		08/28/18 10:31	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		08/28/18 10:31	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		08/28/18 10:31	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		08/28/18 10:31	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		08/28/18 10:31	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		08/28/18 10:31	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		08/28/18 10:31	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		08/28/18 10:31	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		08/28/18 10:31	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		08/28/18 10:31	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		08/28/18 10:31	75-09-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 14-1123 GUNDERSON NEENAH
Pace Project No.: 40174711

Sample: PZ-122 **Lab ID: 40174711014** Collected: 08/24/18 09:15 Received: 08/27/18 14:07 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		08/28/18 10:31	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		08/28/18 10:31	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		08/28/18 10:31	103-65-1	
Styrene	**<0.47**	ug/L	1.6	0.47	1		08/28/18 10:31	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		08/28/18 10:31	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		08/28/18 10:31	79-34-5	
Tetrachloroethene	**11.6**	ug/L	1.1	0.33	1		08/28/18 10:31	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		08/28/18 10:31	108-88-3	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		08/28/18 10:31	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		08/28/18 10:31	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		08/28/18 10:31	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		08/28/18 10:31	79-00-5	
Trichloroethene	**16.1**	ug/L	1.0	0.26	1		08/28/18 10:31	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		08/28/18 10:31	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		08/28/18 10:31	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		08/28/18 10:31	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		08/28/18 10:31	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		08/28/18 10:31	75-01-4	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		08/28/18 10:31	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		08/28/18 10:31	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	88	%	70-130		1		08/28/18 10:31	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		08/28/18 10:31	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		08/28/18 10:31	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 14-1123 GUNDERSON NEENAH
Pace Project No.: 40174711

Sample: PZ-123 **Lab ID: 40174711015** Collected: 08/24/18 07:30 Received: 08/27/18 14:07 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		08/28/18 14:49	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		08/28/18 14:49	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		08/28/18 14:49	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		08/28/18 14:49	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		08/28/18 14:49	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		08/28/18 14:49	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		08/28/18 14:49	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		08/28/18 14:49	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		08/28/18 14:49	98-06-6	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		08/28/18 14:49	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		08/28/18 14:49	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		08/28/18 14:49	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		08/28/18 14:49	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		08/28/18 14:49	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		08/28/18 14:49	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		08/28/18 14:49	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		08/28/18 14:49	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		08/28/18 14:49	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		08/28/18 14:49	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		08/28/18 14:49	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		08/28/18 14:49	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		08/28/18 14:49	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		08/28/18 14:49	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		08/28/18 14:49	75-71-8	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		08/28/18 14:49	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		08/28/18 14:49	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		08/28/18 14:49	75-35-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		08/28/18 14:49	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		08/28/18 14:49	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		08/28/18 14:49	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		08/28/18 14:49	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		08/28/18 14:49	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		08/28/18 14:49	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		08/28/18 14:49	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		08/28/18 14:49	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		08/28/18 14:49	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		08/28/18 14:49	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		08/28/18 14:49	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		08/28/18 14:49	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		08/28/18 14:49	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		08/28/18 14:49	75-09-2	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		08/28/18 14:49	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		08/28/18 14:49	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		08/28/18 14:49	103-65-1	
Styrene	**<0.47**	ug/L	1.6	0.47	1		08/28/18 14:49	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		08/28/18 14:49	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 14-1123 GUNDERSON NEENAH
Pace Project No.: 40174711

Sample: PZ-123 **Lab ID: 40174711015** Collected: 08/24/18 07:30 Received: 08/27/18 14:07 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		08/28/18 14:49	79-34-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		08/28/18 14:49	127-18-4	
Toluene	**0.18J**	ug/L	5.0	0.17	1		08/28/18 14:49	108-88-3	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		08/28/18 14:49	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		08/28/18 14:49	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		08/28/18 14:49	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		08/28/18 14:49	79-00-5	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		08/28/18 14:49	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		08/28/18 14:49	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		08/28/18 14:49	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		08/28/18 14:49	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		08/28/18 14:49	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		08/28/18 14:49	75-01-4	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		08/28/18 14:49	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		08/28/18 14:49	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		08/28/18 14:49	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		08/28/18 14:49	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		08/28/18 14:49	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 14-1123 GUNDERSON NEENAH
Pace Project No.: 40174711

Sample: PZ-124 **Lab ID: 40174711016** Collected: 08/24/18 07:40 Received: 08/27/18 14:07 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		08/29/18 00:39	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		08/29/18 00:39	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		08/29/18 00:39	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		08/29/18 00:39	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		08/29/18 00:39	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		08/29/18 00:39	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		08/29/18 00:39	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		08/29/18 00:39	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		08/29/18 00:39	98-06-6	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		08/29/18 00:39	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		08/29/18 00:39	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		08/29/18 00:39	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		08/29/18 00:39	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		08/29/18 00:39	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		08/29/18 00:39	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		08/29/18 00:39	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		08/29/18 00:39	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		08/29/18 00:39	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		08/29/18 00:39	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		08/29/18 00:39	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		08/29/18 00:39	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		08/29/18 00:39	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		08/29/18 00:39	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		08/29/18 00:39	75-71-8	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		08/29/18 00:39	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		08/29/18 00:39	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		08/29/18 00:39	75-35-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		08/29/18 00:39	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		08/29/18 00:39	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		08/29/18 00:39	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		08/29/18 00:39	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		08/29/18 00:39	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		08/29/18 00:39	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		08/29/18 00:39	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		08/29/18 00:39	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		08/29/18 00:39	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		08/29/18 00:39	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		08/29/18 00:39	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		08/29/18 00:39	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		08/29/18 00:39	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		08/29/18 00:39	75-09-2	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		08/29/18 00:39	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		08/29/18 00:39	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		08/29/18 00:39	103-65-1	
Styrene	**<0.47**	ug/L	1.6	0.47	1		08/29/18 00:39	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		08/29/18 00:39	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 14-1123 GUNDERSON NEENAH
Pace Project No.: 40174711

Sample: PZ-124 **Lab ID: 40174711016** Collected: 08/24/18 07:40 Received: 08/27/18 14:07 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		08/29/18 00:39	79-34-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		08/29/18 00:39	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		08/29/18 00:39	108-88-3	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		08/29/18 00:39	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		08/29/18 00:39	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		08/29/18 00:39	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		08/29/18 00:39	79-00-5	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		08/29/18 00:39	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		08/29/18 00:39	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		08/29/18 00:39	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		08/29/18 00:39	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		08/29/18 00:39	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		08/29/18 00:39	75-01-4	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		08/29/18 00:39	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		08/29/18 00:39	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		08/29/18 00:39	460-00-4	
Dibromofluoromethane (S)	98	%	70-130		1		08/29/18 00:39	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		08/29/18 00:39	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 14-1123 GUNDERSON NEENAH
Pace Project No.: 40174711

Sample: PZ-125 **Lab ID: 40174711017** Collected: 08/24/18 07:45 Received: 08/27/18 14:07 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		08/29/18 01:00	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		08/29/18 01:00	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		08/29/18 01:00	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		08/29/18 01:00	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		08/29/18 01:00	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		08/29/18 01:00	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		08/29/18 01:00	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		08/29/18 01:00	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		08/29/18 01:00	98-06-6	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		08/29/18 01:00	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		08/29/18 01:00	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		08/29/18 01:00	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		08/29/18 01:00	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		08/29/18 01:00	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		08/29/18 01:00	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		08/29/18 01:00	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		08/29/18 01:00	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		08/29/18 01:00	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		08/29/18 01:00	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		08/29/18 01:00	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		08/29/18 01:00	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		08/29/18 01:00	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		08/29/18 01:00	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		08/29/18 01:00	75-71-8	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		08/29/18 01:00	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		08/29/18 01:00	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		08/29/18 01:00	75-35-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		08/29/18 01:00	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		08/29/18 01:00	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		08/29/18 01:00	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		08/29/18 01:00	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		08/29/18 01:00	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		08/29/18 01:00	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		08/29/18 01:00	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		08/29/18 01:00	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		08/29/18 01:00	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		08/29/18 01:00	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		08/29/18 01:00	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		08/29/18 01:00	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		08/29/18 01:00	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		08/29/18 01:00	75-09-2	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		08/29/18 01:00	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		08/29/18 01:00	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		08/29/18 01:00	103-65-1	
Styrene	**<0.47**	ug/L	1.6	0.47	1		08/29/18 01:00	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		08/29/18 01:00	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 14-1123 GUNDERSON NEENAH
Pace Project No.: 40174711

Sample: PZ-125 **Lab ID: 40174711017** Collected: 08/24/18 07:45 Received: 08/27/18 14:07 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		08/29/18 01:00	79-34-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		08/29/18 01:00	127-18-4	
Toluene	**0.23J**	ug/L	5.0	0.17	1		08/29/18 01:00	108-88-3	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		08/29/18 01:00	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		08/29/18 01:00	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		08/29/18 01:00	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		08/29/18 01:00	79-00-5	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		08/29/18 01:00	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		08/29/18 01:00	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		08/29/18 01:00	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		08/29/18 01:00	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		08/29/18 01:00	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		08/29/18 01:00	75-01-4	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		08/29/18 01:00	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		08/29/18 01:00	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		08/29/18 01:00	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		08/29/18 01:00	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		08/29/18 01:00	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 14-1123 GUNDERSON NEENAH
Pace Project No.: 40174711

Sample: TB **Lab ID: 40174711018** Collected: 08/24/18 00:00 Received: 08/27/18 14:07 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		08/29/18 18:20	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		08/29/18 18:20	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		08/29/18 18:20	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		08/29/18 18:20	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		08/29/18 18:20	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		08/29/18 18:20	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		08/29/18 18:20	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		08/29/18 18:20	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		08/29/18 18:20	98-06-6	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		08/29/18 18:20	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		08/29/18 18:20	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		08/29/18 18:20	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		08/29/18 18:20	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		08/29/18 18:20	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		08/29/18 18:20	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		08/29/18 18:20	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		08/29/18 18:20	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		08/29/18 18:20	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		08/29/18 18:20	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		08/29/18 18:20	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		08/29/18 18:20	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		08/29/18 18:20	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		08/29/18 18:20	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		08/29/18 18:20	75-71-8	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		08/29/18 18:20	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		08/29/18 18:20	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		08/29/18 18:20	75-35-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		08/29/18 18:20	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		08/29/18 18:20	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		08/29/18 18:20	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		08/29/18 18:20	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		08/29/18 18:20	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		08/29/18 18:20	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		08/29/18 18:20	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		08/29/18 18:20	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		08/29/18 18:20	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		08/29/18 18:20	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		08/29/18 18:20	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		08/29/18 18:20	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		08/29/18 18:20	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		08/29/18 18:20	75-09-2	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		08/29/18 18:20	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		08/29/18 18:20	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		08/29/18 18:20	103-65-1	
Styrene	**<0.47**	ug/L	1.6	0.47	1		08/29/18 18:20	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		08/29/18 18:20	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 14-1123 GUNDERSON NEENAH
Pace Project No.: 40174711

Sample: TB **Lab ID: 40174711018** Collected: 08/24/18 00:00 Received: 08/27/18 14:07 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		08/29/18 18:20	79-34-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		08/29/18 18:20	127-18-4	
Toluene	**0.48J**	ug/L	5.0	0.17	1		08/29/18 18:20	108-88-3	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		08/29/18 18:20	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		08/29/18 18:20	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		08/29/18 18:20	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		08/29/18 18:20	79-00-5	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		08/29/18 18:20	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		08/29/18 18:20	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		08/29/18 18:20	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		08/29/18 18:20	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		08/29/18 18:20	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		08/29/18 18:20	75-01-4	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		08/29/18 18:20	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		08/29/18 18:20	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		08/29/18 18:20	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		08/29/18 18:20	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		08/29/18 18:20	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 14-1123 GUNDERSON NEENAH
Pace Project No.: 40174711

QC Batch: 298414 Analysis Method: EPA 8015B Modified
QC Batch Method: EPA 8015B Modified Analysis Description: Methane, Ethane, Ethene GCV
Associated Lab Samples: 40174711001, 40174711003, 40174711012, 40174711014

METHOD BLANK: 1742882 Matrix: Water
Associated Lab Samples: 40174711001, 40174711003, 40174711012, 40174711014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethane	ug/L	<0.58	5.6	08/28/18 13:29	
Ethene	ug/L	<0.52	5.0	08/28/18 13:29	
Methane	ug/L	<1.4	2.8	08/28/18 13:29	

LABORATORY CONTROL SAMPLE & LCSD: 1742883 1742884

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Ethane	ug/L	53.6	47.3	49.8	88	93	80-120	5	20	
Ethene	ug/L	50	44.1	46.4	88	93	81-120	5	20	
Methane	ug/L	28.6	25.0	25.9	88	91	80-120	3	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1743280 1743281

Parameter	Units	40174711001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Ethane	ug/L	<0.58	53.6	53.6	46.8	45.2	87	84	80-120	3	20	
Ethene	ug/L	<0.52	50	50	44.1	42.4	88	85	81-122	4	20	
Methane	ug/L	<1.4	28.6	28.6	26.2	24.8	92	87	44-167	6	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 14-1123 GUNDERSON NEENAH
Pace Project No.: 40174711

QC Batch: 298391 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40174711001, 40174711002, 40174711003, 40174711004, 40174711005, 40174711006, 40174711007, 40174711008, 40174711009, 40174711010, 40174711011, 40174711012, 40174711013, 40174711014, 40174711015, 40174711016, 40174711017

METHOD BLANK: 1742816 Matrix: Water
Associated Lab Samples: 40174711001, 40174711002, 40174711003, 40174711004, 40174711005, 40174711006, 40174711007, 40174711008, 40174711009, 40174711010, 40174711011, 40174711012, 40174711013, 40174711014, 40174711015, 40174711016, 40174711017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	08/28/18 07:59	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	08/28/18 07:59	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	08/28/18 07:59	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	08/28/18 07:59	
1,1-Dichloroethane	ug/L	<0.27	1.0	08/28/18 07:59	
1,1-Dichloroethene	ug/L	<0.24	1.0	08/28/18 07:59	
1,1-Dichloropropene	ug/L	<0.54	1.8	08/28/18 07:59	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	08/28/18 07:59	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	08/28/18 07:59	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	08/28/18 07:59	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	08/28/18 07:59	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	08/28/18 07:59	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	08/28/18 07:59	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	08/28/18 07:59	
1,2-Dichloroethane	ug/L	<0.28	1.0	08/28/18 07:59	
1,2-Dichloropropane	ug/L	<0.28	1.0	08/28/18 07:59	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	08/28/18 07:59	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	08/28/18 07:59	
1,3-Dichloropropane	ug/L	<0.83	2.8	08/28/18 07:59	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	08/28/18 07:59	
2,2-Dichloropropane	ug/L	<2.3	7.6	08/28/18 07:59	
2-Chlorotoluene	ug/L	<0.93	5.0	08/28/18 07:59	
4-Chlorotoluene	ug/L	<0.76	2.5	08/28/18 07:59	
Benzene	ug/L	<0.25	1.0	08/28/18 07:59	
Bromobenzene	ug/L	<0.24	1.0	08/28/18 07:59	
Bromochloromethane	ug/L	<0.36	5.0	08/28/18 07:59	
Bromodichloromethane	ug/L	<0.36	1.2	08/28/18 07:59	
Bromoform	ug/L	<4.0	13.2	08/28/18 07:59	
Bromomethane	ug/L	<0.97	5.0	08/28/18 07:59	
Carbon tetrachloride	ug/L	<0.17	1.0	08/28/18 07:59	
Chlorobenzene	ug/L	<0.71	2.4	08/28/18 07:59	
Chloroethane	ug/L	<1.3	5.0	08/28/18 07:59	
Chloroform	ug/L	<1.3	5.0	08/28/18 07:59	
Chloromethane	ug/L	<2.2	7.3	08/28/18 07:59	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	08/28/18 07:59	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	08/28/18 07:59	
Dibromochloromethane	ug/L	<2.6	8.7	08/28/18 07:59	
Dibromomethane	ug/L	<0.94	3.1	08/28/18 07:59	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 14-1123 GUNDERSON NEENAH
Pace Project No.: 40174711

METHOD BLANK: 1742816 Matrix: Water

Associated Lab Samples: 40174711001, 40174711002, 40174711003, 40174711004, 40174711005, 40174711006, 40174711007, 40174711008, 40174711009, 40174711010, 40174711011, 40174711012, 40174711013, 40174711014, 40174711015, 40174711016, 40174711017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	<0.50	5.0	08/28/18 07:59	
Diisopropyl ether	ug/L	<1.9	6.3	08/28/18 07:59	
Ethylbenzene	ug/L	<0.22	1.0	08/28/18 07:59	
Hexachloro-1,3-butadiene	ug/L	<1.2	5.0	08/28/18 07:59	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	08/28/18 07:59	
m&p-Xylene	ug/L	<0.47	2.0	08/28/18 07:59	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	08/28/18 07:59	
Methylene Chloride	ug/L	<0.58	5.0	08/28/18 07:59	
n-Butylbenzene	ug/L	<0.71	2.4	08/28/18 07:59	
n-Propylbenzene	ug/L	<0.81	5.0	08/28/18 07:59	
Naphthalene	ug/L	<1.2	5.0	08/28/18 07:59	
o-Xylene	ug/L	<0.26	1.0	08/28/18 07:59	
p-Isopropyltoluene	ug/L	<0.80	2.7	08/28/18 07:59	
sec-Butylbenzene	ug/L	<0.85	5.0	08/28/18 07:59	
Styrene	ug/L	<0.47	1.6	08/28/18 07:59	
tert-Butylbenzene	ug/L	<0.30	1.0	08/28/18 07:59	
Tetrachloroethene	ug/L	<0.33	1.1	08/28/18 07:59	
Toluene	ug/L	<0.17	5.0	08/28/18 07:59	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	08/28/18 07:59	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	08/28/18 07:59	
Trichloroethene	ug/L	<0.26	1.0	08/28/18 07:59	
Trichlorofluoromethane	ug/L	<0.21	1.0	08/28/18 07:59	
Vinyl chloride	ug/L	<0.17	1.0	08/28/18 07:59	
4-Bromofluorobenzene (S)	%	88	70-130	08/28/18 07:59	
Dibromofluoromethane (S)	%	102	70-130	08/28/18 07:59	
Toluene-d8 (S)	%	100	70-130	08/28/18 07:59	

LABORATORY CONTROL SAMPLE: 1742817

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	54.5	109	70-133	
1,1,2,2-Tetrachloroethane	ug/L	50	56.5	113	67-130	
1,1,2-Trichloroethane	ug/L	50	58.0	116	70-130	
1,1-Dichloroethane	ug/L	50	51.2	102	70-134	
1,1-Dichloroethene	ug/L	50	52.4	105	75-132	
1,2,4-Trichlorobenzene	ug/L	50	53.7	107	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	60.1	120	60-126	
1,2-Dibromoethane (EDB)	ug/L	50	54.8	110	70-130	
1,2-Dichlorobenzene	ug/L	50	53.7	107	70-130	
1,2-Dichloroethane	ug/L	50	58.2	116	73-134	
1,2-Dichloropropane	ug/L	50	57.9	116	79-128	
1,3-Dichlorobenzene	ug/L	50	52.0	104	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 14-1123 GUNDERSON NEENAH
Pace Project No.: 40174711

LABORATORY CONTROL SAMPLE: 1742817

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	54.2	108	70-130	
Benzene	ug/L	50	58.2	116	69-137	
Bromodichloromethane	ug/L	50	55.0	110	70-130	
Bromoform	ug/L	50	50.2	100	64-133	
Bromomethane	ug/L	50	32.3	65	29-123	
Carbon tetrachloride	ug/L	50	53.6	107	73-142	
Chlorobenzene	ug/L	50	55.7	111	70-130	
Chloroethane	ug/L	50	49.8	100	59-133	
Chloroform	ug/L	50	57.3	115	80-129	
Chloromethane	ug/L	50	49.0	98	27-125	
cis-1,2-Dichloroethene	ug/L	50	54.6	109	70-134	
cis-1,3-Dichloropropene	ug/L	50	55.3	111	70-130	
Dibromochloromethane	ug/L	50	53.9	108	70-130	
Dichlorodifluoromethane	ug/L	50	40.6	81	12-127	
Ethylbenzene	ug/L	50	59.2	118	86-127	
Isopropylbenzene (Cumene)	ug/L	50	59.5	119	70-130	
m&p-Xylene	ug/L	100	116	116	70-131	
Methyl-tert-butyl ether	ug/L	50	42.6	85	65-136	
Methylene Chloride	ug/L	50	50.9	102	72-133	
o-Xylene	ug/L	50	56.6	113	70-130	
Styrene	ug/L	50	59.2	118	70-130	
Tetrachloroethene	ug/L	50	53.1	106	70-130	
Toluene	ug/L	50	57.8	116	84-124	
trans-1,2-Dichloroethene	ug/L	50	52.2	104	70-133	
trans-1,3-Dichloropropene	ug/L	50	63.8	128	67-130	
Trichloroethene	ug/L	50	54.4	109	70-130	
Trichlorofluoromethane	ug/L	50	53.5	107	69-147	
Vinyl chloride	ug/L	50	48.4	97	48-134	
4-Bromofluorobenzene (S)	%			99	70-130	
Dibromofluoromethane (S)	%			100	70-130	
Toluene-d8 (S)	%			104	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1742932 1742933

Parameter	Units	40174711001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<2.4	500	500	542	543	108	109	70-136	0	20	
1,1,2,2-Tetrachloroethane	ug/L	<2.8	500	500	572	584	114	117	67-133	2	20	
1,1,2-Trichloroethane	ug/L	<5.5	500	500	584	591	117	118	70-130	1	20	
1,1-Dichloroethane	ug/L	<2.7	500	500	490	496	98	99	70-139	1	20	
1,1-Dichloroethene	ug/L	<2.4	500	500	517	524	103	105	72-137	1	20	
1,2,4-Trichlorobenzene	ug/L	<9.5	500	500	539	544	108	108	68-130	1	20	
1,2-Dibromo-3-chloropropane	ug/L	<17.6	500	500	576	598	115	120	60-130	4	21	
1,2-Dibromoethane (EDB)	ug/L	<8.3	500	500	550	549	110	110	70-130	0	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 14-1123 GUNDERSON NEENAH
Pace Project No.: 40174711

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1742932 1742933

Parameter	Units	40174711001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichlorobenzene	ug/L	<7.1	500	500	531	532	106	106	70-130	0	20	
1,2-Dichloroethane	ug/L	<2.8	500	500	569	593	114	119	71-137	4	20	
1,2-Dichloropropane	ug/L	<2.8	500	500	566	581	113	116	78-130	3	20	
1,3-Dichlorobenzene	ug/L	<6.3	500	500	523	527	105	105	70-130	1	20	
1,4-Dichlorobenzene	ug/L	<9.4	500	500	536	535	107	107	70-130	0	20	
Benzene	ug/L	<2.5	500	500	567	564	113	113	66-143	1	20	
Bromodichloromethane	ug/L	<3.6	500	500	554	572	111	114	70-130	3	20	
Bromoform	ug/L	<39.7	500	500	495	508	99	102	64-134	3	20	
Bromomethane	ug/L	<9.7	500	500	308	319	62	64	29-136	3	25	
Carbon tetrachloride	ug/L	<1.7	500	500	538	549	108	110	73-142	2	20	
Chlorobenzene	ug/L	<7.1	500	500	549	543	110	109	70-130	1	20	
Chloroethane	ug/L	<13.4	500	500	451	457	90	91	58-138	1	20	
Chloroform	ug/L	<12.7	500	500	562	568	111	112	80-131	1	20	
Chloromethane	ug/L	<21.9	500	500	443	462	88	92	24-125	4	20	
cis-1,2-Dichloroethene	ug/L	4.0J	500	500	536	552	106	110	68-137	3	22	
cis-1,3-Dichloropropene	ug/L	<36.3	500	500	557	576	111	115	70-130	3	20	
Dibromochloromethane	ug/L	<26.0	500	500	543	552	109	110	70-131	2	20	
Dichlorodifluoromethane	ug/L	<5.0	500	500	365	366	73	73	10-127	0	20	
Ethylbenzene	ug/L	<2.2	500	500	588	589	118	118	81-136	0	20	
Isopropylbenzene (Cumene)	ug/L	<3.9	500	500	601	595	120	119	70-132	1	20	
m&p-Xylene	ug/L	<4.7	1000	1000	1150	1140	115	114	70-135	1	20	
Methyl-tert-butyl ether	ug/L	<12.5	500	500	421	430	84	86	58-142	2	23	
Methylene Chloride	ug/L	<5.8	500	500	486	491	97	98	69-137	1	20	
o-Xylene	ug/L	<2.6	500	500	562	570	112	114	70-132	2	20	
Styrene	ug/L	<4.7	500	500	591	585	118	117	70-130	1	20	
Tetrachloroethene	ug/L	773	500	500	1360	1370	117	120	70-132	1	20	
Toluene	ug/L	<1.7	500	500	570	574	114	115	81-130	1	20	
trans-1,2-Dichloroethene	ug/L	<10.9	500	500	511	519	102	104	70-136	1	20	
trans-1,3-Dichloropropene	ug/L	<43.7	500	500	648	651	130	130	67-130	0	20	
Trichloroethene	ug/L	23.9	500	500	580	589	111	113	70-131	1	20	
Trichlorofluoromethane	ug/L	<2.1	500	500	522	522	104	104	66-150	0	20	
Vinyl chloride	ug/L	<1.7	500	500	452	468	90	94	46-134	3	20	
4-Bromofluorobenzene (S)	%						100	100	70-130			
Dibromofluoromethane (S)	%						99	100	70-130			
Toluene-d8 (S)	%						103	102	70-130			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 14-1123 GUNDERSON NEENAH
Pace Project No.: 40174711

QC Batch: 298521 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40174711018

METHOD BLANK: 1743233 Matrix: Water
Associated Lab Samples: 40174711018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	08/29/18 08:40	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	08/29/18 08:40	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	08/29/18 08:40	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	08/29/18 08:40	
1,1-Dichloroethane	ug/L	<0.27	1.0	08/29/18 08:40	
1,1-Dichloroethene	ug/L	<0.24	1.0	08/29/18 08:40	
1,1-Dichloropropene	ug/L	<0.54	1.8	08/29/18 08:40	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	08/29/18 08:40	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	08/29/18 08:40	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	08/29/18 08:40	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	08/29/18 08:40	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	08/29/18 08:40	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	08/29/18 08:40	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	08/29/18 08:40	
1,2-Dichloroethane	ug/L	<0.28	1.0	08/29/18 08:40	
1,2-Dichloropropane	ug/L	<0.28	1.0	08/29/18 08:40	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	08/29/18 08:40	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	08/29/18 08:40	
1,3-Dichloropropane	ug/L	<0.83	2.8	08/29/18 08:40	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	08/29/18 08:40	
2,2-Dichloropropane	ug/L	<2.3	7.6	08/29/18 08:40	
2-Chlorotoluene	ug/L	<0.93	5.0	08/29/18 08:40	
4-Chlorotoluene	ug/L	<0.76	2.5	08/29/18 08:40	
Benzene	ug/L	<0.25	1.0	08/29/18 08:40	
Bromobenzene	ug/L	<0.24	1.0	08/29/18 08:40	
Bromochloromethane	ug/L	<0.36	5.0	08/29/18 08:40	
Bromodichloromethane	ug/L	<0.36	1.2	08/29/18 08:40	
Bromoform	ug/L	<4.0	13.2	08/29/18 08:40	
Bromomethane	ug/L	<0.97	5.0	08/29/18 08:40	
Carbon tetrachloride	ug/L	<0.17	1.0	08/29/18 08:40	
Chlorobenzene	ug/L	<0.71	2.4	08/29/18 08:40	
Chloroethane	ug/L	<1.3	5.0	08/29/18 08:40	
Chloroform	ug/L	<1.3	5.0	08/29/18 08:40	
Chloromethane	ug/L	<2.2	7.3	08/29/18 08:40	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	08/29/18 08:40	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	08/29/18 08:40	
Dibromochloromethane	ug/L	<2.6	8.7	08/29/18 08:40	
Dibromomethane	ug/L	<0.94	3.1	08/29/18 08:40	
Dichlorodifluoromethane	ug/L	<0.50	5.0	08/29/18 08:40	
Diisopropyl ether	ug/L	<1.9	6.3	08/29/18 08:40	
Ethylbenzene	ug/L	<0.22	1.0	08/29/18 08:40	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 14-1123 GUNDERSON NEENAH
Pace Project No.: 40174711

METHOD BLANK: 1743233 Matrix: Water
Associated Lab Samples: 40174711018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<1.2	5.0	08/29/18 08:40	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	08/29/18 08:40	
m&p-Xylene	ug/L	<0.47	2.0	08/29/18 08:40	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	08/29/18 08:40	
Methylene Chloride	ug/L	<0.58	5.0	08/29/18 08:40	
n-Butylbenzene	ug/L	<0.71	2.4	08/29/18 08:40	
n-Propylbenzene	ug/L	<0.81	5.0	08/29/18 08:40	
Naphthalene	ug/L	<1.2	5.0	08/29/18 08:40	
o-Xylene	ug/L	<0.26	1.0	08/29/18 08:40	
p-Isopropyltoluene	ug/L	<0.80	2.7	08/29/18 08:40	
sec-Butylbenzene	ug/L	<0.85	5.0	08/29/18 08:40	
Styrene	ug/L	<0.47	1.6	08/29/18 08:40	
tert-Butylbenzene	ug/L	<0.30	1.0	08/29/18 08:40	
Tetrachloroethene	ug/L	<0.33	1.1	08/29/18 08:40	
Toluene	ug/L	<0.17	5.0	08/29/18 08:40	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	08/29/18 08:40	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	08/29/18 08:40	
Trichloroethene	ug/L	<0.26	1.0	08/29/18 08:40	
Trichlorofluoromethane	ug/L	<0.21	1.0	08/29/18 08:40	
Vinyl chloride	ug/L	<0.17	1.0	08/29/18 08:40	
4-Bromofluorobenzene (S)	%	90	70-130	08/29/18 08:40	
Dibromofluoromethane (S)	%	99	70-130	08/29/18 08:40	
Toluene-d8 (S)	%	103	70-130	08/29/18 08:40	

LABORATORY CONTROL SAMPLE: 1743234

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	20.5	103	70-133	
1,1,2,2-Tetrachloroethane	ug/L	20	21.9	109	67-130	
1,1,2-Trichloroethane	ug/L	20	22.5	112	70-130	
1,1-Dichloroethane	ug/L	20	18.6	93	70-134	
1,1-Dichloroethene	ug/L	20	20.0	100	75-132	
1,2,4-Trichlorobenzene	ug/L	20	19.4	97	68-130	
1,2-Dibromo-3-chloropropane	ug/L	20	19.4	97	60-126	
1,2-Dibromoethane (EDB)	ug/L	20	20.5	103	70-130	
1,2-Dichlorobenzene	ug/L	20	20.5	102	70-130	
1,2-Dichloroethane	ug/L	20	23.0	115	73-134	
1,2-Dichloropropane	ug/L	20	22.2	111	79-128	
1,3-Dichlorobenzene	ug/L	20	20.2	101	70-130	
1,4-Dichlorobenzene	ug/L	20	20.5	103	70-130	
Benzene	ug/L	20	22.0	110	69-137	
Bromodichloromethane	ug/L	20	20.4	102	70-130	
Bromoform	ug/L	20	20.9	105	64-133	
Bromomethane	ug/L	20	12.2	61	29-123	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 14-1123 GUNDERSON NEENAH
Pace Project No.: 40174711

LABORATORY CONTROL SAMPLE: 1743234

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	20	19.0	95	73-142	
Chlorobenzene	ug/L	20	21.3	107	70-130	
Chloroethane	ug/L	20	17.4	87	59-133	
Chloroform	ug/L	20	21.6	108	80-129	
Chloromethane	ug/L	20	17.9	89	27-125	
cis-1,2-Dichloroethene	ug/L	20	20.6	103	70-134	
cis-1,3-Dichloropropene	ug/L	20	19.5	98	70-130	
Dibromochloromethane	ug/L	20	19.1	95	70-130	
Dichlorodifluoromethane	ug/L	20	13.5	68	12-127	
Ethylbenzene	ug/L	20	21.7	108	86-127	
Isopropylbenzene (Cumene)	ug/L	20	21.7	109	70-130	
m&p-Xylene	ug/L	40	43.8	110	70-131	
Methyl-tert-butyl ether	ug/L	20	16.0	80	65-136	
Methylene Chloride	ug/L	20	18.5	92	72-133	
o-Xylene	ug/L	20	20.8	104	70-130	
Styrene	ug/L	20	21.0	105	70-130	
Tetrachloroethene	ug/L	20	20.5	103	70-130	
Toluene	ug/L	20	22.1	110	84-124	
trans-1,2-Dichloroethene	ug/L	20	19.7	99	70-133	
trans-1,3-Dichloropropene	ug/L	20	22.1	111	67-130	
Trichloroethene	ug/L	20	21.3	107	70-130	
Trichlorofluoromethane	ug/L	20	19.7	98	69-147	
Vinyl chloride	ug/L	20	18.9	94	48-134	
4-Bromofluorobenzene (S)	%			98	70-130	
Dibromofluoromethane (S)	%			97	70-130	
Toluene-d8 (S)	%			103	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1743640 1743641

Parameter	Units	40174748001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.61	50	50	53.7	53.4	107	107	70-136	0	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.69	50	50	55.7	57.3	111	115	67-133	3	20	
1,1,2-Trichloroethane	ug/L	<1.4	50	50	56.7	57.2	113	114	70-130	1	20	
1,1-Dichloroethane	ug/L	<0.68	50	50	46.6	48.2	93	96	70-139	3	20	
1,1-Dichloroethene	ug/L	<0.61	50	50	50.2	50.3	100	100	72-137	0	20	
1,2,4-Trichlorobenzene	ug/L	<2.4	50	50	53.3	54.6	107	109	68-130	2	20	
1,2-Dibromo-3-chloropropane	ug/L	<4.4	50	50	56.8	59.9	114	120	60-130	5	21	
1,2-Dibromoethane (EDB)	ug/L	<2.1	50	50	52.5	54.4	105	109	70-130	4	20	
1,2-Dichlorobenzene	ug/L	<1.8	50	50	52.8	53.0	106	106	70-130	0	20	
1,2-Dichloroethane	ug/L	<0.70	50	50	57.0	58.0	114	116	71-137	2	20	
1,2-Dichloropropane	ug/L	<0.71	50	50	55.4	56.6	111	113	78-130	2	20	
1,3-Dichlorobenzene	ug/L	<1.6	50	50	52.4	52.7	105	105	70-130	0	20	
1,4-Dichlorobenzene	ug/L	<2.4	50	50	52.2	53.5	104	107	70-130	3	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 14-1123 GUNDERSON NEENAH
Pace Project No.: 40174711

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1743640 1743641

Parameter	Units	40174748001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	<0.62	50	50	55.2	55.9	110	112	66-143	1	20	
Bromodichloromethane	ug/L	<0.91	50	50	53.4	54.6	107	109	70-130	2	20	
Bromoform	ug/L	<9.9	50	50	47.3	50.1	95	100	64-134	6	20	
Bromomethane	ug/L	<2.4	50	50	30.1	32.5	60	65	29-136	8	25	
Carbon tetrachloride	ug/L	<0.41	50	50	52.0	53.3	104	107	73-142	2	20	
Chlorobenzene	ug/L	<1.8	50	50	53.3	55.5	107	111	70-130	4	20	
Chloroethane	ug/L	<3.4	50	50	44.8	46.0	90	92	58-138	3	20	
Chloroform	ug/L	<3.2	50	50	55.3	55.8	107	108	80-131	1	20	
Chloromethane	ug/L	<5.5	50	50	41.9	43.9	84	88	24-125	5	20	
cis-1,2-Dichloroethene	ug/L	289	50	50	356	357	133	136	68-137	0	22	E
cis-1,3-Dichloropropene	ug/L	<9.1	50	50	54.1	55.3	108	111	70-130	2	20	
Dibromochloromethane	ug/L	<6.5	50	50	50.6	53.7	101	107	70-131	6	20	
Dichlorodifluoromethane	ug/L	<1.2	50	50	32.3	32.7	65	65	10-127	1	20	
Ethylbenzene	ug/L	<0.55	50	50	56.3	59.1	113	118	81-136	5	20	
Isopropylbenzene (Cumene)	ug/L	<0.98	50	50	57.7	60.1	115	120	70-132	4	20	
m&p-Xylene	ug/L	<1.2	100	100	111	116	111	116	70-135	4	20	
Methyl-tert-butyl ether	ug/L	<3.1	50	50	40.1	40.9	80	82	58-142	2	23	
Methylene Chloride	ug/L	<1.5	50	50	47.0	47.4	94	95	69-137	1	20	
o-Xylene	ug/L	<0.65	50	50	55.3	56.8	111	114	70-132	3	20	
Styrene	ug/L	<1.2	50	50	57.5	60.1	115	120	70-130	4	20	
Tetrachloroethene	ug/L	195	50	50	269	268	148	147	70-132	0	20	M1
Toluene	ug/L	<0.43	50	50	54.8	56.9	110	114	81-130	4	20	
trans-1,2-Dichloroethene	ug/L	<2.7	50	50	50.0	51.0	97	99	70-136	2	20	
trans-1,3-Dichloropropene	ug/L	<10.9	50	50	64.0	66.9	128	134	67-130	4	20	M1
Trichloroethene	ug/L	101	50	50	167	167	133	133	70-131	0	20	M1
Trichlorofluoromethane	ug/L	<0.54	50	50	49.9	51.3	100	103	66-150	3	20	
Vinyl chloride	ug/L	<0.44	50	50	43.1	45.2	86	90	46-134	5	20	
4-Bromofluorobenzene (S)	%						101	102	70-130			
Dibromofluoromethane (S)	%						98	98	70-130			
Toluene-d8 (S)	%						101	102	70-130			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALIFIERS

Project: 14-1123 GUNDERSON NEENAH
Pace Project No.: 40174711

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 and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

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

E	Analyte concentration exceeded the calibration range. The reported result is estimated.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

Pace Analytical Services, LLC
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(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 14-1123 GUNDERSON NEENAH
Pace Project No.: 40174711

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40174711001	**SUMP A**	EPA 8015B Modified	298414		
40174711003	**SUMP C**	EPA 8015B Modified	298414		
40174711012	**PZ-119**	EPA 8015B Modified	298414		
40174711014	**PZ-122**	EPA 8015B Modified	298414		
40174711001	**SUMP A**	EPA 8260	298391		
40174711002	**SUMP B**	EPA 8260	298391		
40174711003	**SUMP C**	EPA 8260	298391		
40174711004	**SUMP D**	EPA 8260	298391		
40174711005	**PZ-104**	EPA 8260	298391		
40174711006	**MW-105**	EPA 8260	298391		
40174711007	**PZ-107**	EPA 8260	298391		
40174711008	**PZ-109**	EPA 8260	298391		
40174711009	**MW-114**	EPA 8260	298391		
40174711010	**MW-115**	EPA 8260	298391		
40174711011	**MW-116**	EPA 8260	298391		
40174711012	**PZ-119**	EPA 8260	298391		
40174711013	**PZ-121**	EPA 8260	298391		
40174711014	**PZ-122**	EPA 8260	298391		
40174711015	**PZ-123**	EPA 8260	298391		
40174711016	**PZ-124**	EPA 8260	298391		
40174711017	**PZ-125**	EPA 8260	298391		
40174711018	**TB**	EPA 8260	298521		

Dert

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www.pacelabs.com

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

40174711

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

(Please Print Clearly)	
Company Name:	Fehr Graham
Branch/Location:	Sheboygan, WI
Project Contact:	Ken Ebbott
Phone:	(920) 892-2444
Project Number:	14-123
Project Name:	Gunderson Neenah
Project State:	WI
Sampled By (Print):	Dillon Flamann
Sampled By (Sign):	
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	Ken Ebbott
Mail To Company:	Fehr Graham
Mail To Address:	Kebbott@fehr-graham.com
Invoice To Contact:	AA
Invoice To Company:	AA
Invoice To Address:	AA
Invoice To Phone:	

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

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

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	Analyses Requested: Y/N	Pick Letter	VOC	MEK	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
						N	N				
						B	B				
001	Sump A	8-24-18	940	GW		X	X				
002	Sump B		835			X					
003	Sump C		905			X	X				
004	Sump D		1005			X					
005	PZ-104		930			X					
006	MW-105		845			X					
007	PZ-107		925			X					
008	PZ-109		800			X					
009	MW-114		820			X					
010	MW-115		810			X					
011	MW-116		[illegible]			X					
012	PZ-119		955			X	X				
013	PZ-121		855			X					

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:	Date/Time:	Received By:	Date/Time:
	8-27-18 800		8/27/18 1255
	8/27/18 1407		8/27/18 1407

PACE Project No.
40174711

Receipt Temp = 2.0 °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal
Present / ~~Not Present~~
Intact / ~~Not Intact~~

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

401747 11

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

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

(Please Print Clearly)	
Company Name:	
Branch/Location:	
Project Contact:	Same as Page 1
Phone:	
Project Number:	
Project Name:	
Project State:	
Sampled By (Print):	
Sampled By (Sign):	
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	
Mail To Company:	
Mail To Address:	Same as Page 1
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

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 DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: VOC	MEE						
					N	B								
014	PZ-122	8-24-18	915	GW			X	X						
015	PZ-123	"	730	"			X							
016	PZ-124	"	740	"			X							
017	PZ-125	↓	745	↓			X							
018	TB						X							

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:	Date/Time:	Received By:	Date/Time:
	8-27-18 800		8/27/18 1255
	8/27/18 1407		8/27/18 1407

PACE Project No. 401747 11

Receipt Temp = RD °C

Sample Receipt pH OK / Adjusted

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

C019a(27Jun2006)

Version 6.0 06/14/06

ORIGINAL

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

Sample Preservation Receipt Form

Client Name: Fehr Graham Project # 40174711

All containers needing preservation have been checked and noted below: □Yes □No □N/A Initial when completed: Date/ Time:

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

Pace Lab #	Glass							Plastic							Vials						Jars			General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
	AG1U	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																		6									1						2.5 / 5 / 10
002																		6															2.5 / 5 / 10
003																		6															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																		6															2.5 / 5 / 10
013																		3									1						2.5 / 5 / 10
014																		6															2.5 / 5 / 10
015																		3															2.5 / 5 / 10
016																		3															2.5 / 5 / 10
017																		3															2.5 / 5 / 10
018																		1															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:	

Pace Analytical 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)

Project #:

Client Name: Fehr Graham

WO#: 40174711

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

Tracking #:

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 - NO **Type of Ice:** Wet Blue Dry None ☑ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: /Corr: RO

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: 8/27/18
Initials: MB

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☑No	6.
Rush Turn Around Time Requested:	☐Yes ☑No	7.
Sufficient Volume:		8.
For Analysis: ☑Yes ☐No MS/MSD:	☐Yes ☑No ☐N/A	
Correct Containers Used:	☑Yes ☐No	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☑N/A	
Containers Intact:	☑Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: W		
Trip Blank Present:	☑Yes ☐No ☐N/A	13.
Trip Blank Custody Seals Present	☑Yes ☐No ☐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: Date: 8/27/18

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

November 27, 2018

Ken Ebbott
Fehr Graham Engineering and Environmental
909 N. 8th Street
Suite 101
Sheboygan, WI 53081

RE: Project: 14-1123 GUNDERSON NEENAH
Pace Project No.: 40180040

Dear Ken Ebbott:
Enclosed are the analytical results for sample(s) received by the laboratory on November 21, 2018. 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,

Christopher Hyska
christopher.hyska@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Megan Hansen, Fehr Graham Engineering and Environmental

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: 14-1123 GUNDERSON NEENAH
Pace Project No.: 40180040

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: 14-1123 GUNDERSON NEENAH
Pace Project No.: 40180040

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40180040001	**PZ-104**	Water	11/19/18 07:45	11/21/18 14:05

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE ANALYTE COUNT

Project: 14-1123 GUNDERSON NEENAH
Pace Project No.: 40180040

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40180040001	**PZ-104**	EPA 8260	HNW	64	PASI-G

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SUMMARY OF DETECTION

Project: 14-1123 GUNDERSON NEENAH
Pace Project No.: 40180040

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40180040001	**PZ-104**					
EPA 8260	Tetrachloroethene	7.4	ug/L	1.1	11/27/18 07:58	
EPA 8260	Trichloroethene	2.4	ug/L	1.0	11/27/18 07:58	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 14-1123 GUNDERSON NEENAH
Pace Project No.: 40180040

Sample: PZ-104 **Lab ID: 40180040001** Collected: 11/19/18 07:45 Received: 11/21/18 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		11/27/18 07:58	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		11/27/18 07:58	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		11/27/18 07:58	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		11/27/18 07:58	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		11/27/18 07:58	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		11/27/18 07:58	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		11/27/18 07:58	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		11/27/18 07:58	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		11/27/18 07:58	98-06-6	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		11/27/18 07:58	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		11/27/18 07:58	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		11/27/18 07:58	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		11/27/18 07:58	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		11/27/18 07:58	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		11/27/18 07:58	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		11/27/18 07:58	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		11/27/18 07:58	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		11/27/18 07:58	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		11/27/18 07:58	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		11/27/18 07:58	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		11/27/18 07:58	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		11/27/18 07:58	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		11/27/18 07:58	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		11/27/18 07:58	75-71-8	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		11/27/18 07:58	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		11/27/18 07:58	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		11/27/18 07:58	75-35-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		11/27/18 07:58	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		11/27/18 07:58	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		11/27/18 07:58	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		11/27/18 07:58	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		11/27/18 07:58	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		11/27/18 07:58	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		11/27/18 07:58	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		11/27/18 07:58	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		11/27/18 07:58	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		11/27/18 07:58	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		11/27/18 07:58	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		11/27/18 07:58	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		11/27/18 07:58	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		11/27/18 07:58	75-09-2	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		11/27/18 07:58	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		11/27/18 07:58	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		11/27/18 07:58	103-65-1	
Styrene	**<0.47**	ug/L	1.6	0.47	1		11/27/18 07:58	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		11/27/18 07:58	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 14-1123 GUNDERSON NEENAH
Pace Project No.: 40180040

Sample: PZ-104 **Lab ID: 40180040001** Collected: 11/19/18 07:45 Received: 11/21/18 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		11/27/18 07:58	79-34-5	
Tetrachloroethene	**7.4**	ug/L	1.1	0.33	1		11/27/18 07:58	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		11/27/18 07:58	108-88-3	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		11/27/18 07:58	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		11/27/18 07:58	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		11/27/18 07:58	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		11/27/18 07:58	79-00-5	
Trichloroethene	**2.4**	ug/L	1.0	0.26	1		11/27/18 07:58	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		11/27/18 07:58	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		11/27/18 07:58	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		11/27/18 07:58	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		11/27/18 07:58	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		11/27/18 07:58	75-01-4	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		11/27/18 07:58	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		11/27/18 07:58	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		11/27/18 07:58	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		11/27/18 07:58	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		11/27/18 07:58	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 14-1123 GUNDERSON NEENAH
Pace Project No.: 40180040

QC Batch: 307450 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40180040001

METHOD BLANK: 1797560 Matrix: Water
Associated Lab Samples: 40180040001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	11/26/18 07:58	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	11/26/18 07:58	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	11/26/18 07:58	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	11/26/18 07:58	
1,1-Dichloroethane	ug/L	<0.27	1.0	11/26/18 07:58	
1,1-Dichloroethene	ug/L	<0.24	1.0	11/26/18 07:58	
1,1-Dichloropropene	ug/L	<0.54	1.8	11/26/18 07:58	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	11/26/18 07:58	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	11/26/18 07:58	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	11/26/18 07:58	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	11/26/18 07:58	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	11/26/18 07:58	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	11/26/18 07:58	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	11/26/18 07:58	
1,2-Dichloroethane	ug/L	<0.28	1.0	11/26/18 07:58	
1,2-Dichloropropane	ug/L	<0.28	1.0	11/26/18 07:58	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	11/26/18 07:58	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	11/26/18 07:58	
1,3-Dichloropropane	ug/L	<0.83	2.8	11/26/18 07:58	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	11/26/18 07:58	
2,2-Dichloropropane	ug/L	<2.3	7.6	11/26/18 07:58	
2-Chlorotoluene	ug/L	<0.93	5.0	11/26/18 07:58	
4-Chlorotoluene	ug/L	<0.76	2.5	11/26/18 07:58	
Benzene	ug/L	<0.25	1.0	11/26/18 07:58	
Bromobenzene	ug/L	<0.24	1.0	11/26/18 07:58	
Bromochloromethane	ug/L	<0.36	5.0	11/26/18 07:58	
Bromodichloromethane	ug/L	<0.36	1.2	11/26/18 07:58	
Bromoform	ug/L	<4.0	13.2	11/26/18 07:58	
Bromomethane	ug/L	<0.97	5.0	11/26/18 07:58	
Carbon tetrachloride	ug/L	<0.17	1.0	11/26/18 07:58	
Chlorobenzene	ug/L	<0.71	2.4	11/26/18 07:58	
Chloroethane	ug/L	<1.3	5.0	11/26/18 07:58	
Chloroform	ug/L	<1.3	5.0	11/26/18 07:58	
Chloromethane	ug/L	<2.2	7.3	11/26/18 07:58	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	11/26/18 07:58	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	11/26/18 07:58	
Dibromochloromethane	ug/L	<2.6	8.7	11/26/18 07:58	
Dibromomethane	ug/L	<0.94	3.1	11/26/18 07:58	
Dichlorodifluoromethane	ug/L	<0.50	5.0	11/26/18 07:58	
Diisopropyl ether	ug/L	<1.9	6.3	11/26/18 07:58	
Ethylbenzene	ug/L	<0.22	1.0	11/26/18 07:58	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 14-1123 GUNDERSON NEENAH
Pace Project No.: 40180040

METHOD BLANK: 1797560 Matrix: Water
Associated Lab Samples: 40180040001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<1.2	5.0	11/26/18 07:58	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	11/26/18 07:58	
m&p-Xylene	ug/L	<0.47	2.0	11/26/18 07:58	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	11/26/18 07:58	
Methylene Chloride	ug/L	<0.58	5.0	11/26/18 07:58	
n-Butylbenzene	ug/L	<0.71	2.4	11/26/18 07:58	
n-Propylbenzene	ug/L	<0.81	5.0	11/26/18 07:58	
Naphthalene	ug/L	<1.2	5.0	11/26/18 07:58	
o-Xylene	ug/L	<0.26	1.0	11/26/18 07:58	
p-Isopropyltoluene	ug/L	<0.80	2.7	11/26/18 07:58	
sec-Butylbenzene	ug/L	<0.85	5.0	11/26/18 07:58	
Styrene	ug/L	<0.47	1.6	11/26/18 07:58	
tert-Butylbenzene	ug/L	<0.30	1.0	11/26/18 07:58	
Tetrachloroethene	ug/L	<0.33	1.1	11/26/18 07:58	
Toluene	ug/L	<0.17	5.0	11/26/18 07:58	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	11/26/18 07:58	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	11/26/18 07:58	
Trichloroethene	ug/L	<0.26	1.0	11/26/18 07:58	
Trichlorofluoromethane	ug/L	<0.21	1.0	11/26/18 07:58	
Vinyl chloride	ug/L	<0.17	1.0	11/26/18 07:58	
4-Bromofluorobenzene (S)	%	99	70-130	11/26/18 07:58	
Dibromofluoromethane (S)	%	95	70-130	11/26/18 07:58	
Toluene-d8 (S)	%	102	70-130	11/26/18 07:58	

LABORATORY CONTROL SAMPLE: 1797561

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	45.7	91	70-133	
1,1,2,2-Tetrachloroethane	ug/L	50	50.0	100	67-130	
1,1,2-Trichloroethane	ug/L	50	53.6	107	70-130	
1,1-Dichloroethane	ug/L	50	50.7	101	70-134	
1,1-Dichloroethene	ug/L	50	48.6	97	75-132	
1,2,4-Trichlorobenzene	ug/L	50	52.5	105	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	43.4	87	60-126	
1,2-Dibromoethane (EDB)	ug/L	50	51.5	103	70-130	
1,2-Dichlorobenzene	ug/L	50	50.4	101	70-130	
1,2-Dichloroethane	ug/L	50	50.5	101	73-134	
1,2-Dichloropropane	ug/L	50	53.4	107	79-128	
1,3-Dichlorobenzene	ug/L	50	50.1	100	70-130	
1,4-Dichlorobenzene	ug/L	50	50.1	100	70-130	
Benzene	ug/L	50	49.3	99	69-137	
Bromodichloromethane	ug/L	50	50.2	100	70-130	
Bromoform	ug/L	50	54.8	110	64-133	
Bromomethane	ug/L	50	25.8	52	29-123	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 14-1123 GUNDERSON NEENAH
Pace Project No.: 40180040

LABORATORY CONTROL SAMPLE: 1797561

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	44.5	89	73-142	
Chlorobenzene	ug/L	50	51.4	103	70-130	
Chloroethane	ug/L	50	48.2	96	59-133	
Chloroform	ug/L	50	48.8	98	80-129	
Chloromethane	ug/L	50	34.0	68	27-125	
cis-1,2-Dichloroethene	ug/L	50	48.4	97	70-134	
cis-1,3-Dichloropropene	ug/L	50	48.6	97	70-130	
Dibromochloromethane	ug/L	50	49.3	99	70-130	
Dichlorodifluoromethane	ug/L	50	39.9	80	12-127	
Ethylbenzene	ug/L	50	53.8	108	86-127	
Isopropylbenzene (Cumene)	ug/L	50	52.7	105	70-130	
m&p-Xylene	ug/L	100	106	106	70-131	
Methyl-tert-butyl ether	ug/L	50	42.5	85	65-136	
Methylene Chloride	ug/L	50	45.8	92	72-133	
o-Xylene	ug/L	50	51.4	103	70-130	
Styrene	ug/L	50	51.6	103	70-130	
Tetrachloroethene	ug/L	50	56.7	113	70-130	
Toluene	ug/L	50	52.9	106	84-124	
trans-1,2-Dichloroethene	ug/L	50	49.1	98	70-133	
trans-1,3-Dichloropropene	ug/L	50	46.8	94	67-130	
Trichloroethene	ug/L	50	53.3	107	70-130	
Trichlorofluoromethane	ug/L	50	53.1	106	69-147	
Vinyl chloride	ug/L	50	45.0	90	48-134	
4-Bromofluorobenzene (S)	%			102	70-130	
Dibromofluoromethane (S)	%			95	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1797873 1797874

Parameter	Units	40180038010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	1.6	50	50	45.2	47.0	87	91	70-136	4	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	47.5	48.8	95	98	67-133	3	20	
1,1,2-Trichloroethane	ug/L	<0.55	50	50	50.8	53.2	102	106	70-130	5	20	
1,1-Dichloroethane	ug/L	2.3	50	50	50.7	52.8	97	101	70-139	4	20	
1,1-Dichloroethene	ug/L	<0.24	50	50	46.8	48.2	94	96	72-137	3	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	45.7	45.8	91	92	68-130	0	20	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	41.9	42.6	84	85	60-130	2	21	
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	48.9	51.1	98	102	70-130	4	20	
1,2-Dichlorobenzene	ug/L	<0.71	50	50	46.8	48.1	94	96	70-130	3	20	
1,2-Dichloroethane	ug/L	<0.28	50	50	46.3	47.6	93	95	71-137	3	20	
1,2-Dichloropropane	ug/L	<0.28	50	50	51.0	52.7	102	105	78-130	3	20	
1,3-Dichlorobenzene	ug/L	<0.63	50	50	46.2	47.4	92	95	70-130	2	20	
1,4-Dichlorobenzene	ug/L	<0.94	50	50	46.6	47.6	93	95	70-130	2	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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 14-1123 GUNDERSON NEENAH
Pace Project No.: 40180040

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1797873 1797874

Parameter	Units	40180038010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	<0.25	50	50	46.8	48.5	94	97	66-143	4	20	
Bromodichloromethane	ug/L	<0.36	50	50	48.3	50.2	97	100	70-130	4	20	
Bromoform	ug/L	<4.0	50	50	52.0	53.7	104	107	64-134	3	20	
Bromomethane	ug/L	<0.97	50	50	28.7	31.1	57	62	29-136	8	25	
Carbon tetrachloride	ug/L	<0.17	50	50	42.4	44.3	85	89	73-142	4	20	
Chlorobenzene	ug/L	<0.71	50	50	48.5	50.4	97	101	70-130	4	20	
Chloroethane	ug/L	<1.3	50	50	46.5	47.7	93	95	58-138	2	20	
Chloroform	ug/L	<1.3	50	50	46.6	48.1	93	96	80-131	3	20	
Chloromethane	ug/L	<2.2	50	50	32.4	35.0	65	70	24-125	8	20	
cis-1,2-Dichloroethene	ug/L	<0.27	50	50	46.7	47.9	93	96	68-137	3	22	
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	46.3	48.0	93	96	70-130	4	20	
Dibromochloromethane	ug/L	<2.6	50	50	47.0	49.1	94	98	70-131	4	20	
Dichlorodifluoromethane	ug/L	<0.50	50	50	36.2	37.5	72	75	10-127	3	20	
Ethylbenzene	ug/L	<0.22	50	50	50.1	51.9	100	104	81-136	4	20	
Isopropylbenzene (Cumene)	ug/L	<0.39	50	50	47.4	48.9	95	98	70-132	3	20	
m&p-Xylene	ug/L	<0.47	100	100	99.0	102	99	102	70-135	3	20	
Methyl-tert-butyl ether	ug/L	<1.2	50	50	40.2	41.5	80	83	58-142	3	23	
Methylene Chloride	ug/L	<0.58	50	50	44.1	45.4	88	91	69-137	3	20	
o-Xylene	ug/L	<0.26	50	50	48.4	50.0	97	100	70-132	3	20	
Styrene	ug/L	<0.47	50	50	48.7	50.1	97	100	70-130	3	20	
Tetrachloroethene	ug/L	<0.33	50	50	52.4	54.6	105	109	70-132	4	20	
Toluene	ug/L	<0.17	50	50	50.0	52.1	100	104	81-130	4	20	
trans-1,2-Dichloroethene	ug/L	<1.1	50	50	47.5	48.6	95	97	70-136	2	20	
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	44.9	47.0	90	94	67-130	4	20	
Trichloroethene	ug/L	<0.26	50	50	50.7	52.7	101	105	70-131	4	20	
Trichlorofluoromethane	ug/L	<0.21	50	50	50.9	52.4	102	105	66-150	3	20	
Vinyl chloride	ug/L	<0.17	50	50	43.0	44.6	86	89	46-134	4	20	
4-Bromofluorobenzene (S)	%						102	102	70-130			
Dibromofluoromethane (S)	%						95	96	70-130			
Toluene-d8 (S)	%						101	101	70-130			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALIFIERS

Project: 14-1123 GUNDERSON NEENAH
Pace Project No.: 40180040

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 14-1123 GUNDERSON NEENAH
Pace Project No.: 40180040

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40180040001	**PZ-104**	EPA 8260	307450		

DERF

Pace Analytical®
www.pacelabs.com

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

40180040

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

(Please Print Clearly)	
Company Name:	Fehr Graham
Branch/Location:	Sheboygan, WI
Project Contact:	Ken Ebbott
Phone:	(920) 453-0700
Project Number:	14-1123
Project Name:	Gundersen Neenah
Project State:	WI
Sampled By (Print):	Dillon Plamann
Sampled By (Sign):	
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	Ken Ebbott
Mail To Company:	Fehr Graham
Mail To Address:	Rebbott@fehr-graham.com
Invoice To Contact:	AA
Invoice To Company:	AA
Invoice To Address:	AA
Invoice To Phone:	

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

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

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	Y/N	Pick Letter	Analyses Requested: VOC	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	P2-104	11-19-18	745	W	N	B	X			

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:	Date/Time:	Received By:	Date/Time:
	11-21-18 900		11/21/18 1120
	11/21/18 1405		11/21/18 1405

PACE Project No.: 40180040

Receipt Temp = R07 °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal: Present / Not Present; Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

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

Sample Preservation Receipt Form

Client Name: Fehr Graham Project # 4018004O

All containers needing preservation have been checked and noted below: □Yes □No ☒N/A Initial when completed: Date/ Time:

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

Pace Lab #	Glass							Plastic							Vials						Jars			General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
	AG1U	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																		ω															2.5 / 5 / 10
002																																	2.5 / 5 / 10
003																																	2.5 / 5 / 10
004																																	2.5 / 5 / 10
005																																	2.5 / 5 / 10
006																																	2.5 / 5 / 10
007																																	2.5 / 5 / 10
008																																	2.5 / 5 / 10
009																																	2.5 / 5 / 10
010																																	2.5 / 5 / 10
011																																	2.5 / 5 / 10
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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:	

Pace Analytical™ 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)

Project #: WO#: 40180040

Client Name: Fehr Graham

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

Tracking #: _____

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: ROI /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: 11-21-18
Initials: JK

Chain of Custody Present:	☒Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☒Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☒Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☒Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☒Yes ☐No	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☒No	6.
Rush Turn Around Time Requested:	☐Yes ☒No	7.
Sufficient Volume: For Analysis: ☒Yes ☐No MS/MSD:	☐Yes ☒No ☐N/A	8.
Correct Containers Used:	☒Yes ☐No	9.
-Pace Containers Used:	☒Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☒N/A	
Containers Intact:	☒Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☒N/A	11.
Sample Labels match COC:	☒Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: W		
Trip Blank Present:	☐Yes ☒No ☐N/A	13.
Trip Blank Custody Seals Present	☐Yes ☐No ☒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: _____ **Date:** 11/21/18

Attachment B
Soil Boring Logs

BADGER STATE DRILLING CO., INC.

STOUGHTON, WISCONSIN

FIELD BORING LOG

Sheet _____ Of _____

FOR Former Gunderson Cleaners BSD# 7425

Job No. _____

LOCATION Neenah WI ELEV. _____

Boring No. PZ 123

GROUND WATER

While drilling _____ Time after drilling _____ _____

Before casing removal _____ Depth to water _____ _____

After casing removal _____ Depth to cave-in _____ _____

Start 07-24-18

Unit D-120

Chief DB-JF-DJ

Sample No.	Moisture	Blows on Sampler 0/6	Blows on Sampler 6/12	Sample Recovery	Total Blows	VISUAL FIELD CLASSIFICATION AND REMARKS	Casing/Probe _____ Weight _____ Drop _____	Unconfined Strength	Boulders	Blows on Casing Size	Blows on Probe Size	Drilling Method
						BLIND DRILL TO 36' WITH 4¼ HSA				4¼		HSA
						EOB 36'						
						SET WELL AT 35' 5' SCREEN						
						Filter sand 36'-28'						
						Fine sand 28-27'						
						chips 27'-2'						
						(12) Bags chips						
						(3) Bags Filter sand						
						(1) Bag fine sand						
						(1) Bag SAKRETE						
						(1) Flush mount						
						(4) Barrels						
						well # VY 891						

5 10 15 20 25 30 35 40 45 50

State of Wisconsin
Department of Natural Resources

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☒ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 4-90

Facility/Project Name: Former Gunderson Cleaners	Local Grid Location of Well: _____ ft. ☐N ☐S _____ ft. ☐E ☐W	Well Name: PZ 123
Facility License, Permit or Monitoring Number: _____	Grid Origin Location: Lat. _____ Long. _____ or	Wis. Unique Well Number: VY891 DNR Well Number: _____
Type of Well: Water Table Observation Well ☐ 11; Piezometer ☐ 12	St. Plane _____ ft. N, _____ ft. E.	Date Well Installed: 07/24/18 (m m d d y y)
Distance Well Is From Waste/Source Boundary: _____ ft.	Section Location of Waste/Source: ___1/4 of ___ 1/4 of Sec. ___, T. ___ N, R. ___ ☐E ☐W	Well Installed By: (Person's Name and Firm): DaKota Bevins; Badger State Drilling, Inc.
Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient; d ☐ Downgradient n ☐ Not Known	

A. Protective pipe, top elevation 0.0 ft. MSL
B. Well casing, top elevation -.3 ft. MSL
C. Land surface elevation 0.0 ft. MSL
D. Surface seal, bottom _____ ft. MSL or _____ ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ☒ 41; Other ☐ __

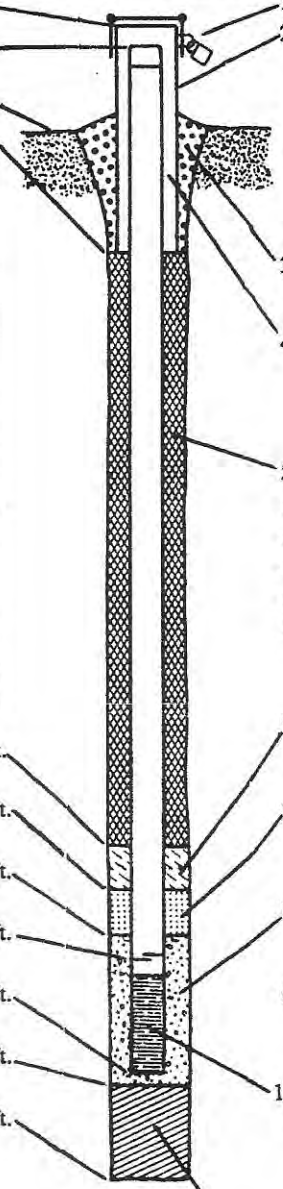
15. Drilling fluid used: Water ☐ 02; Air ☐ 01; Drilling Mud ☐ 03; None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe _____

17. Source of water (attach analysis): _____

E. Bentonite seal, top _____ ft. MSL or 2.0 ft.
F. Fine sand, top _____ ft. MSL or 27.0 ft.
G. Filter pack, top _____ ft. MSL or 28.0 ft.
H. Screen joint, top _____ ft. MSL or 30.0 ft.
I. Well bottom _____ ft. MSL or 35.0 ft.
J. Filter pack, bottom _____ ft. MSL or 36.0 ft.
K. Borehole, bottom _____ ft. MSL or 36.0 ft.
L. Borehole, diameter 8.0 in.
M. O.D. well casing 2.38 in.
N. I.D. well casing 2.0 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 9.0 in.
b. Length: 1.0 ft.
c. Material: Steel ☒ 04; Other ☐ __ _____
d. Additional protection? ☐ Yes ☐ No
If yes, describe: _____
3. Surface seal: Bentonite ☐ 30; Concrete ☒ 01; Other ☐ __ _____
4. Material between well casing and protective pipe: Bentonite ☐ 30; Annular space seal ☐ __; Other ☐ __ _____
5. Annular space seal: a. Granular Bentonite ☒ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. 7.55 Ft³ volume added for any of the above
f. How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☒ 33
b. ☐1/4 in. ☒3/8 in. ☐1/2 in. Bentonite pellets ☐ 32
c. _____ Other ☐ __ _____
7. Fine sand material: Manufacturer, product name & mesh size
a. Sidley #7
b. Volume added .6 ft³
8. Filter pack material: Manufacturer, product name and mesh size
a. Sidley #5
b. Volume added 2.1 ft³
9. Well casing: Flush threaded PVC schedule 40 ☒ 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐ __ _____
10. Screen material: Sch 40 PVC
a. Screen type: Factory cut ☒ 11; Continuous slot ☐ 01; Other ☐ __ _____
b. Manufacturer Manoflex
c. Slot size: 0.010 in.
d. Slotted length: 5.0 ft.
11. Backfill material (below filter pack): None ☐ 14; Other ☒ __ Sidley #5 Sand

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Mark Hansen | Firm: Badger State Drilling, Inc.

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch.144, Wis Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. See instructions for more information including where the completed form should be sent.

BADGER STATE DRILLING CO., INC.

STOUGHTON, WISCONSIN

FIELD BORING LOG

Sheet _____ Of _____

FOR FORMER Gunderson cleaner Facility BSD # 7425

Job No. _____

LOCATION NEENAH WI. ELEV. _____

Boring No. PZ-124

GROUND WATER

While drilling 13 Time after drilling _____

Before casing removal _____ Depth to water _____

After casing removal _____ Depth to cave-in _____

Start 07-23-18

Unit D-120

Chief KD - JF - DD

CAT HEAD

Casing/Probe 2"

Weight 140

Drop 30"

Sample No.	Moisture	Blows on Sampler 0/6	Blows on Sampler 6/12	Sample Recovery	Total Blows	VISUAL FIELD CLASSIFICATION AND REMARKS	Unconfined Strength	Boulders	Blows on Casing Size	Blows on Probe Size	Drilling Method
						TOP SOIL / 8"			6¼	2"	HSA
											SS
		4	7								
1	m	10	15	18	17	V. STIFF BR SILTY clay	3.25				
		2	5								
2	m	16	7	20	11	STIFF BR SILTY clay	1.50				
		7	14								
3	w	17	15	18	31	SAME possible perch LAYER	1.75				
		8	12								
4	vm	18	22	24	34	HARD BR Silty clay w/some GRAVEL	4.5				
		7	16								
5	m	20	26	18	36	SAME	4.5	+			
		12	30								
6	m	23	24	22	53	V Dense GRAY f/m silty sand & GRAVEL					
		14	26								
7	w	50/5	X	24	50/5	SAME REFUSAL 35½'					
						SWITCH TO AIR 35½'					
8						6½ 5' screen					
						6½ 53 Filter Sand					
						53-52 Fine sand					
						52-2 chips 26					
9											
						(6) BARRELS (3) BAGS Filter Sand					
						(1) FLUSH MONT (1) BAG Fine SAND					
						(1) SAKRETE (19) BAGS chips					
10											

5 10 15 20 25 30 35 40 45 50

State of Wisconsin
Department of Natural Resources

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☒ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 4-90

Facility/Project Name: Former Gunderson Cleaners	Local Grid Location of Well: ____ ft. ☐N ☐S ____ ft. ☐E ☐W	Well Name: PZ 124
Facility License, Permit or Monitoring Number: _____	Grid Origin Location: Lat. ____ Long. ____ or	Wis. Unique Well Number: VY 890 DNR Well Number: _____
Type of Well: Water Table Observation Well ☐ 11; Piezometer ☐ 12	St. Plane ____ ft. N, ____ ft. E.	Date Well Installed: 07/23/18 (m m d d y y)
Distance Well Is From Waste/Source Boundary: ____ ft.	Section Location of Waste/Source: ___1/4 of ___ 1/4 of Sec. ___, T. ___ N, R. ___ ☐E ☐W	Well Installed By: (Person's Name and Firm): Kevin Duerst; Badger State Drilling, Inc.
Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient; d ☐ Downgradient n ☐ Not Known	

A. Protective pipe, top elevation ___0.0 ft. MSL
B. Well casing, top elevation ____.3 ft. MSL
C. Land surface elevation ___0.0 ft. MSL
D. Surface seal, bottom ____.__ ft. MSL or ___.__ ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

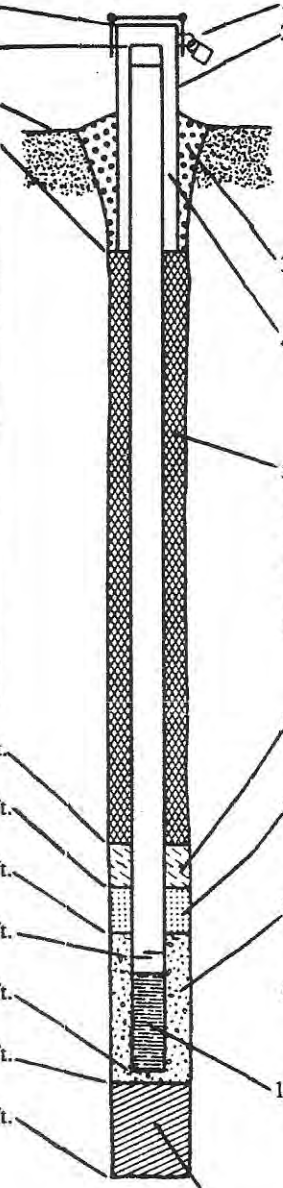
14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ☒ 41; Other ☐ ___ _____

15. Drilling fluid used: Water ☐ 02; Air ☒ 01; Drilling Mud ☐ 03; None ☐ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe _____

17. Source of water (attach analysis):
_____

E. Bentonite seal, top ____.__ ft. MSL or __2.0 ft.
F. Fine sand, top ____.__ ft. MSL or _52.0 ft.
G. Filter pack, top ____.__ ft. MSL or _53.0 ft.
H. Screen joint, top ____.__ ft. MSL or _55.0 ft.
I. Well bottom ____.__ ft. MSL or _60.0 ft.
J. Filter pack, bottom ____.__ ft. MSL or _61.5 ft.
K. Borehole, bottom ____.__ ft. MSL or _61.5 ft.
L. Borehole, diameter 10"/6" in.
M. O.D. well casing 2.38 in.
N. I.D. well casing 2.0 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 9.0 in.
b. Length: 1.0 ft.
c. Material: Steel ☒ 04; Other ☐ ___ _____
d. Additional protection? ☐ Yes ☐ No
If yes, describe: _____
3. Surface seal: Bentonite ☐ 30; Concrete ☒ 01; Other ☐ ___ _____
4. Material between well casing and protective pipe: Bentonite ☐ 30; Annular space seal ☐ ___; Other ☐ ___ _____
5. Annular space seal: a. Granular Bentonite ☒ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. 19.37 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☒ 33
b. ☐1/4 in. ☒3/8 in. ☐1/2 in. Bentonite pellets ☐ 32
c. _____ Other ☐ ___
7. Fine sand material: Manufacturer, product name & mesh size
a. Sidley #7
b. Volume added .15 ft^3
8. Filter pack material: Manufacturer, product name and mesh size
a. Sidley #5
b. Volume added 1.28 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐ ___ _____
10. Screen material: Sch 40 PVC
a. Screen type: Factory cut ☒ 11; Continuous slot ☐ 01; Other ☐ ___ _____
b. Manufacturer Monoflex
c. Slot size: 0.010 in.
d. Slotted length: 5.0 ft.
11. Backfill material (below filter pack): None ☐ 14; Other ☒ ___ Sidley #5 Sand

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Mark Darwin | Firm: Badger State Drilling, Inc.

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch.144, Wis Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. See instructions for more information including where the completed form should be sent.

BADGER STATE DRILLING CO., INC.

STOUGHTON, WISCONSIN

FIELD BORING LOG

Sheet 1 Of 1

FOR Fehr Graham

Job No. 7425

LOCATION Neenah ELEV.

Boring No. PZ-125

GROUND WATER

While drilling 9 Time after drilling

Before casing removal Depth to water

After casing removal Depth to cave-in

Start 7/16

Unit D150

Chief DB JF

Sample No.	Moisture	Blows on Sampler 0/6	Blows on Sampler 6/12	Sample Recovery	Total Blows	VISUAL FIELD CLASSIFICATION AND REMARKS	Unconfined Strength	Boulders	Blows on Casing Size	Blows on Probe Size	Drilling Method
						Casing/Probe 4 Weight 140 Drop 30			4 1/4		HSA SS
		—	—								
1	M	5 12	11 15			Clay	3.5				
2	M	5	6 11			Clay	3.5				
		—	—								
3	M	4	5			Br. Clay					
4	M	6	10				3.5				
5	W	50/5				Black Clay Silt					
		—	—			~~HARD BR Lean clay w/some gravel~~	4.0				
6	W	50/5	X			HARD BR Lean clay w/some gravel					
		—	—								
7		—	—			VERY HARD DRILLING 17½'					
8		—	—			Auger Refusal 18½' EOB 18½'					
9		—	—			Set well at 18½' using 5' screen					
						18½'-11½' Filter sand					
						11½'-10½' Fine sand					
						10½'-2' chips					
						(4) Bags Filter sand					
						(1) Bag Fine sand					
						(6) Bags chips					
						(1) Bag SAKRETE					
						(1) FLUSH MOUNT					
						(2) BARRELS					
						WELL # VY 892					

5 10 15 20 25 30 35 40 45 50

State of Wisconsin
Department of Natural Resources

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☒ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 4-90

Facility/Project Name: Former Gundersen Cleaners	Local Grid Location of Well: ____ ft. ☐N ☐S, ____ ft. ☐E ☐W	Well Name: PZ 125
Facility License, Permit or Monitoring Number: _____	Grid Origin Location: Lat. ____ Long. ____ or St. Plane ____ ft. N, ____ ft. E.	Wis. Unique Well Number: VY 892 DNR Well Number: ____
Type of Well: Water Table Observation Well ☐ 11; Piezometer ☐ 12	Section Location of Waste/Source: ___1/4 of ___ 1/4 of Sec. ___, T. ___ N, R. ___ ☐E ☐W	Date Well Installed: 07/24/18 (m m d d y y)
Distance Well Is From Waste/Source Boundary: ____ ft.	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient; d ☐ Downgradient n ☐ Not Known	Well Installed By: (Person's Name and Firm) DaKota Bevins; Badger State Drilling, Inc.
Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No		

A. Protective pipe, top elevation ___0.0_ ft. MSL
B. Well casing, top elevation ___-.3_ ft. MSL
C. Land surface elevation ___0.0 ft. MSL
D. Surface seal, bottom_____ ft. MSL or ___.__ ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

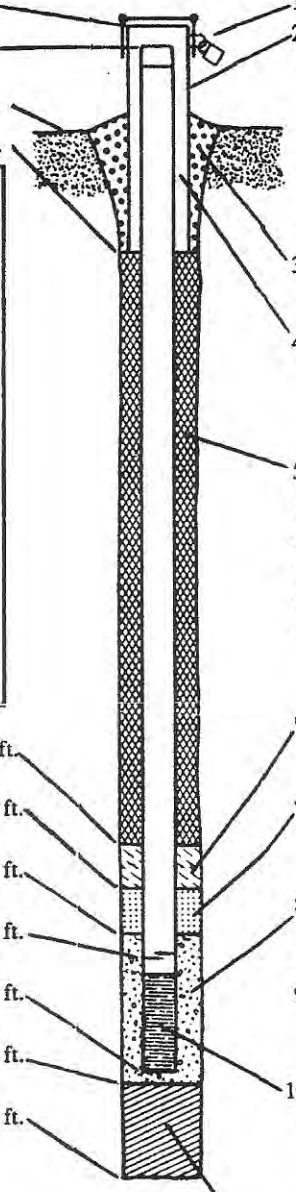
14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ☒ 41; Other ☐ ___
_____

15. Drilling fluid used: Water ☐ 02; Air ☐ 01; Drilling Mud ☐ 03; None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe _____

17. Source of water (attach analysis):
_____

E. Bentonite seal, top _____ ft. MSL or __2.0 ft.
F. Fine sand, top _____ ft. MSL or _10.5 ft.
G. Filter pack, top _____ ft. MSL or _11.5 ft.
H. Screen joint, top _____ ft. MSL or _13.5 ft.
I. Well bottom _____ ft. MSL or _18.5 ft.
J. Filter pack, bottom _____ ft. MSL or _18.5 ft.
K. Borehole, bottom _____ ft. MSL or _18.5 ft.
L. Borehole, diameter _8.0 in.
M. O.D. well casing _2.38 in.
N. I.D. well casing _2.0 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: _9.0 in.
b. Length: _1.0 ft.
c. Material: Steel ☒ 04; _____ Other ☐ ___
d. Additional protection? ☐ Yes ☐ No
If yes, describe: _____
3. Surface seal: Bentonite ☐ 30; Concrete ☒ 01; _____ Other ☐ ___
4. Material between well casing and protective pipe: Bentonite ☐ 30; Annular space seal ☐ ___; _____ Other ☐ ___
5. Annular space seal: a. Granular Bentonite ☒ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. 2.56 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☒ 33
b. ☐1/4 in. ☒3/8 in. ☐1/2 in. Bentonite pellets ☐ 32
c. _____ Other ☐ ___
7. Fine sand material: Manufacturer, product name & mesh size
a. Sidley #7
b. Volume added .3 ft^3
8. Filter pack material: Manufacturer, product name and mesh size
a. Sidley #5
b. Volume added 2.11 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23; Flush threaded PVC schedule 80 ☐ 24; _____ Other ☐ ___
10. Screen material: Sch 40 PVC
a. Screen type: Factory cut ☒ 11; Continuous slot ☐ 01; _____ Other ☐ ___
b. Manufacturer Monoflex
c. Slot size: 0.010 in.
d. Slotted length: _5.0 ft.
11. Backfill material (below filter pack): None ☒ 14; _____ Other ☐ ___

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Mark Harmin | Firm: Badger State Drilling, Inc.

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch.144, Wis Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. See instructions for more information including where the completed form should be sent.

Attachment C
Well Construction and Development Forms

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐ _____

Facility/Project Name	County Name	Well Name
Gunderson Cleaners	Winnebago	PZ-123

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
02-71-467001	70	_____	___

1. Can this well be purged dry? ☒ Yes ☐ No

2. Well development method

surged with bailer and bailed	☐ 41
surged with bailer and pumped	☒ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☐ 51
pumped slowly	☐ 50
Other _____	☐ __

3. Time spent developing well ___20 min.

4. Depth of well (from top of well casisng) _35.0 ft.

5. Inside diameter of well _2.00 in.

6. Volume of water in filter pack and well casing 10.6 gal.

7. Volume of water removed from well _200.0 gal.

8. Volume of water added (if any) ____.__ gal.

9. Source of water added _____

10. Analysis performed on water added? (If yes, attach results) ☐ Yes ☐ No

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. ___7.08 ft.	___DRY ft.
Date	b. 08/01/2018 (mm/dd/yyyy)	08/01/2018 (mm/dd/yyyy)
Time	c. 08:55 ☒ a.m. ☐ p.m.	09:15 ☒ a.m. ☐ p.m.
12. Sediment in well bottom	___.__ inches	___.__ inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe)	Clear ☐ 20 Turbid ☒ 25 (Describe)
	red-brown	red-brown
	high turbidity	low turbidity
14. Total suspended solids	____.__ mg/l	____.__ mg/l
15. COD	____.__ mg/l	____.__ mg/l

Fill in if drilling fluids were used and well is at solid waste facility:

16. Well developed by: Name (first, last) and Firm
First Name: Dillon Last Name: Plamann
Firm: Fehr Graham

17. Additional comments on development:
Pumped well dry 5 times during development

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Gary Last Name: Gunderson
Facility/Firm: Gunderson Cleaners Inc.
Street: 200 W. Wisconsin Avenue
City/State/Zip: Appleton, WI 54911

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: DJP
Print Name: Dillon Plamann
Firm: Fehr Graham

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐ _____

Facility/Project Name	County Name	Well Name
Gunderson Cleaners	Winnebago	PZ-124

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
02-71-467001	70	_____	___

1. Can this well be purged dry? ☐ Yes ☒ No

2. Well development method

surged with bailer and bailed	☐ 41
surged with bailer and pumped	☒ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☐ 51
pumped slowly	☐ 50
Other _____	☐ __

3. Time spent developing well 40 min.

4. Depth of well (from top of well casisng) 602 ft.

5. Inside diameter of well 2.00 in.

6. Volume of water in filter pack and well casing 11.2 gal.

7. Volume of water removed from well 541 gal.

8. Volume of water added (if any) ____.__ gal.

9. Source of water added _____

10. Analysis performed on water added? (If yes, attach results) ☐ Yes ☐ No

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 7.85 ft.	8.01 ft.
Date	b. 08/01/2018 (mm/dd/yyyy)	08/01/2018 (mm/dd/yyyy)
Time	c. 08:10 ☒ a.m. ☐ p.m.	08:50 ☒ a.m. ☐ p.m.
12. Sediment in well bottom	___.__ inches	___.__ inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe) red-brown; medium turbidity	Clear ☒ 20 Turbid ☐ 25 (Describe) clear; clear

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	____.__ mg/l	____.__ mg/l
15. COD	____.__ mg/l	____.__ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Dillon Last Name: Plamann
Firm: Fehr Graham

17. Additional comments on development:

Total 10 well volumes for 8' sand pack plus 44' of 2" well pipe to purge out initially totals: 49 gal for development

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Gary Last Name: Gunderson
Facility/Firm: Gunderson Cleaners Inc.
Street: 200 W. Wisconsin Avenue
City/State/Zip: Appleton, WI 54911

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: [signature]
Print Name: Dillon Plamann
Firm: Fehr Graham

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐ _____

Facility/Project Name	County Name	Well Name
Gunderson Cleaners	Winnebago	PZ-125

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
02-71-467001	70	_ _ _ _ _ _	_ _ _

1. Can this well be purged dry? ☒ Yes ☐ No

2. Well development method

surged with bailer and bailed	☐ 41
surged with bailer and pumped	☒ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☐ 51
pumped slowly	☐ 50
Other _____	☐ __

3. Time spent developing well 20 min.

4. Depth of well (from top of well casisng) 18.5 ft.

5. Inside diameter of well 2.00 in.

6. Volume of water in filter pack and well casing 8.1 gal.

7. Volume of water removed from well 15.0 gal.

8. Volume of water added (if any) _ _ _ . _ gal.

9. Source of water added _____

10. Analysis performed on water added? (If yes, attach results) ☐ Yes ☐ No

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 6.35 ft.	DRY ft.
Date	b. 08/01/2018 (m m d d y y y y)	08/01/2018 (m m d d y y y y)
Time	c. 09:20 ☒ a.m. ☐ p.m.	09:40 ☒ a.m. ☐ p.m.
12. Sediment in well bottom	_ _ . _ inches	_ _ . _ inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe)	Clear ☐ 20 Turbid ☒ 25 (Describe)
	red-brown	red-brown
	high turbidity	low turbidity

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	_ _ _ _ . _ mg/l	_ _ _ _ . _ mg/l
15. COD	_ _ _ _ . _ mg/l	_ _ _ _ . _ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Dillon Last Name: Plamann
Firm: Fehr Graham

17. Additional comments on development:
Pumped well dry 5 times during development

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Gary Last Name: Gunderson
Facility/Firm: Gunderson Cleaners Inc.
Street: 200 W. Wisconsin Avenue
City/State/Zip: Appleton, WI 54911

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: [signature]
Print Name: Dillon Plamann
Firm: Fehr Graham

NOTE: See instructions for more information including a list of county codes and well type codes.

FEHR GRAHAM
ENGINEERING & ENVIRONMENTAL

BORING NUMBER PZ-123

CLIENT Gunderson Cleaners
PROJECT NAME 891 South Green Bay Road
PROJECT NUMBER 14-1123
PROJECT LOCATION Green Bay, Wisconsin
DATE STARTED 7/24/18 **COMPLETED** 7/24/18
GROUND ELEVATION _____ **HOLE SIZE** 8"
DRILLING CONTRACTOR Badger State Drilling
GROUND WATER LEVELS:
DRILLING METHOD Hollow Stem Auger
▽ **AT TIME OF DRILLING** 9.00 ft
LOGGED BY Jacob Bergeron **CHECKED BY** Alec Gierzynski
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0		FILL		Dark brown sandy clay with trace gravel, low plasticity, cohesive, soft, no odor.
3.5				
5		CL		Reddish brown clay, low-medium plasticity, cohesive, very stiff, moist, massive, no odor. Grades to gray at 8-9'.
9.0 ▽				
9.5		CL-ML		Light gray clayey silt, low plasticity, cohesive, wet, stiff, massive, no odor.
10		CL		Reddish brown clay, low-medium plasticity, cohesive, very stiff, moist, massive, no odor.
15				
20				
25				
28.0				
30		ML		Gray sandy silt, cohesive, low plasticity, trace gravel, wet, no odor, very fine sand
35				
36.0				Bottom of hole at 36.0 feet.

BORING NUMBER PZ-124

FEHR GRAHAM
ENGINEERING & ENVIRONMENTAL

CLIENT Gunderson Cleaners
PROJECT NAME 891 South Green Bay Road
PROJECT NUMBER 14-1123
PROJECT LOCATION Green Bay, Wisconsin
DATE STARTED 7/23/18 **COMPLETED** 7/23/18
GROUND ELEVATION _____ **HOLE SIZE** 8"
DRILLING CONTRACTOR Badger State Drilling
GROUND WATER LEVELS:
DRILLING METHOD Split Spoon/Air Rotary
▽ **AT TIME OF DRILLING** 9.00 ft
LOGGED BY Jacob Bergeron **CHECKED BY** Alec Gierzynski
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
	AU	0		FILL		Dark brown sandy clay with trace gravel, low plasticity, cohesive, soft, no odor.	
						3.5	
	SS	75		CL		Reddish brown clay, low-medium plasticity, cohesive, very stiff, moist, massive, no odor. Grades to gray at 8-9'.	0
	AU	0					0
						9.0 ▽	
10	SS	75	Sample 9-10'	CL-ML		9.5 Light gray clayey silt, low plasticity, cohesive, wet, stiff, massive, no odor.	0
	AU	0				Reddish brown clay, low-medium plasticity, cohesive, very stiff, moist, massive, no odor.	0
	SS	63					0
	AU	0					0
20	SS	100		CL			0
	AU	0					0
	SS	75					0
	AU	0					0
						28.0	
30	SS	100		ML		Gray sandy silt, cohesive, low plasticity, trace gravel, wet, no odor, very fine sand	0
	AU	0					0
	SS	100	Sample 34-35'			35.0	0
						Refusal using hollow stem auger and split spoon methods. Switch to air rotary drilling	0
40						Sandstone, gray/tan fine-grained sand, few dark gray gravel present, very wet.	
50							
60						61.0	
						Bottom of hole at 61.0 feet.	

FEHR GRAHAM
ENGINEERING & ENVIRONMENTAL

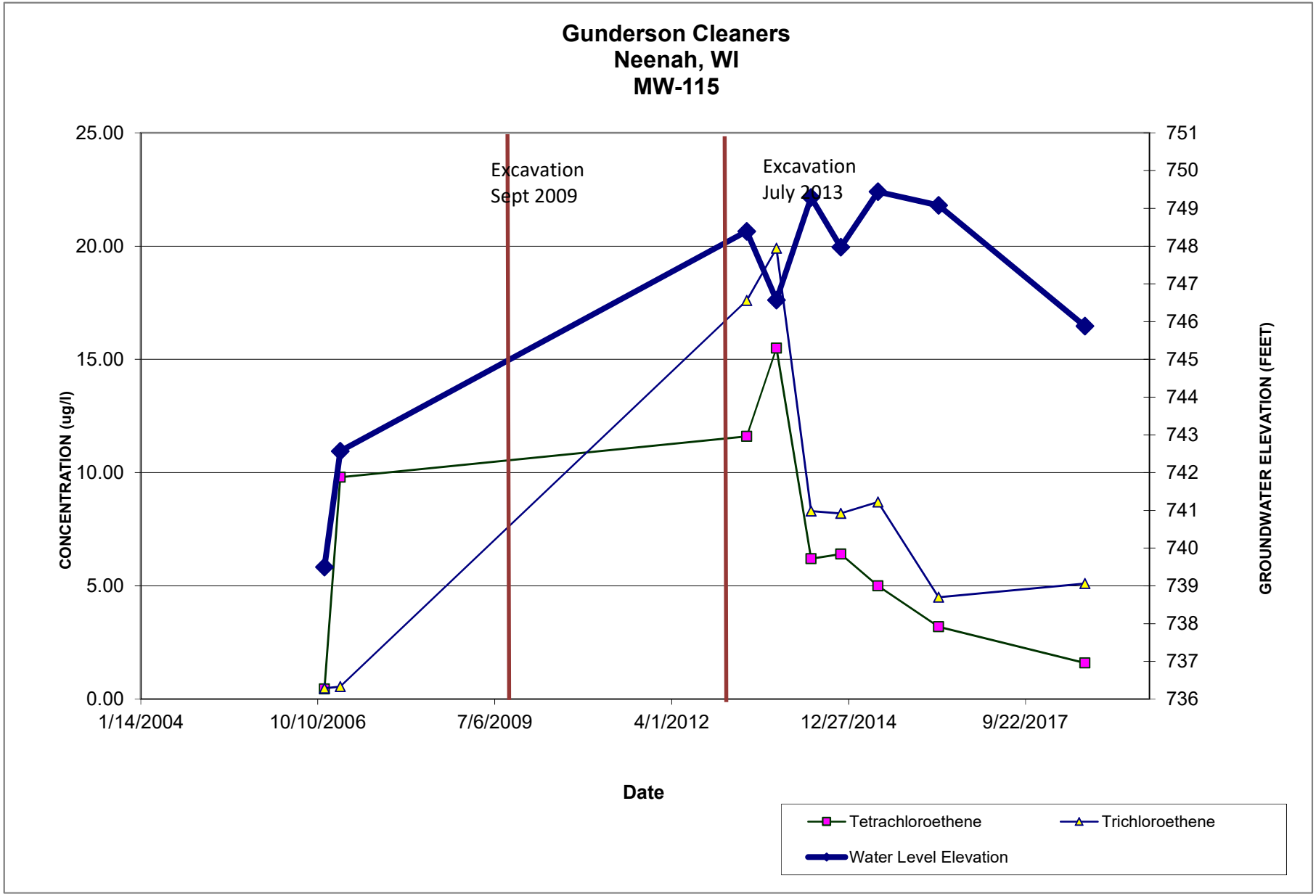
BORING NUMBER PZ-125

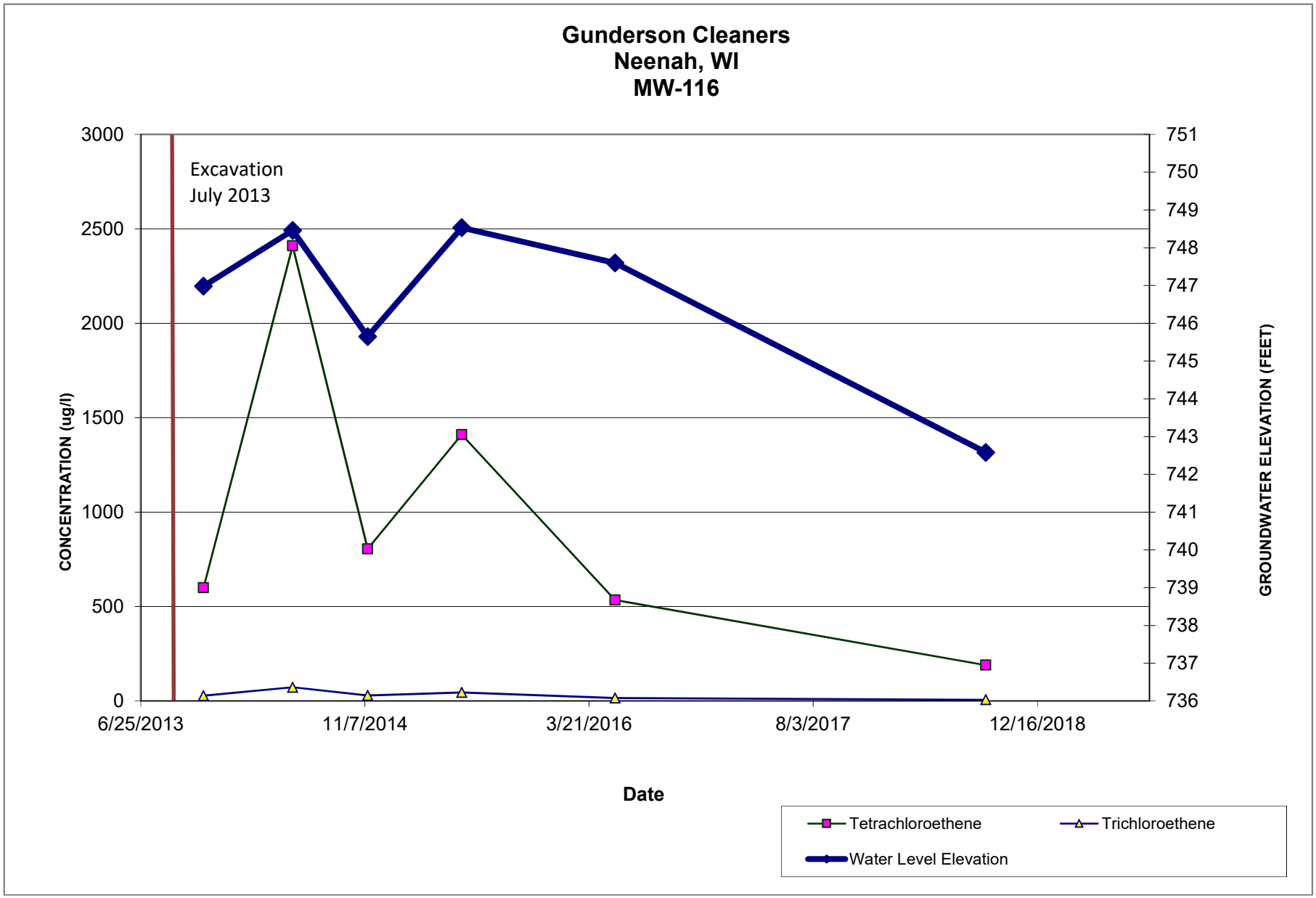
CLIENT Gunderson Cleaners
PROJECT NAME 891 South Green Bay Road
PROJECT NUMBER 14-1123
PROJECT LOCATION Green Bay, Wisconsin
DATE STARTED 7/24/18 **COMPLETED** 7/24/18
GROUND ELEVATION _____ **HOLE SIZE** 8"
DRILLING CONTRACTOR Badger State Drilling
GROUND WATER LEVELS:
DRILLING METHOD Hollow Stem Auger/Split Spoon
▽ **AT TIME OF DRILLING** 13.00 ft
LOGGED BY Jacob Bergeron **CHECKED BY** Alec Gierzynski
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

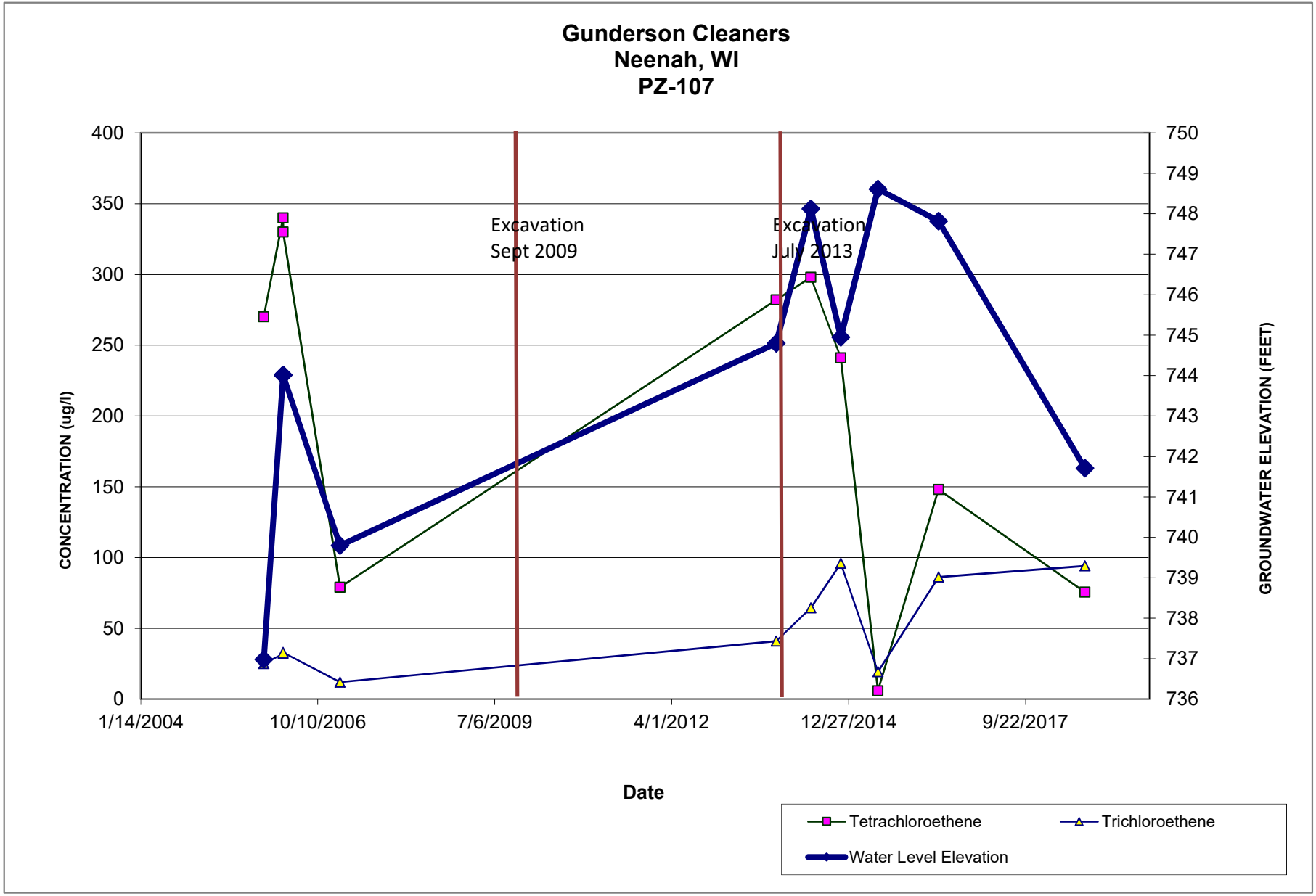
DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
	AU	0		CL		5YR 4/4 reddish brown clay, low-medium plasticity, dry, very stiff. Gray mottling present from 9-9.5. Trace fine gravel present from 13-13.5.	
	SS	75					3.7
5							
	SS	90					2.6
	SS	75	Sample 8-9.5	CL		Gray mottling	4.6
10							
	AU	0		CL			
						13.0 ▽	
	SS	25	Sample 13-15			5YR 4/4 reddish brown clay, low plasticity, wet, very stiff, trace fine gravel.	3.8
15							
	AU	0	Sample 17.5-18.5	CL			
						18.0	
	SS	0				18.5 No recovery, refusal 18.5' bgs	6.2
						Bottom of hole at 18.5 feet.	

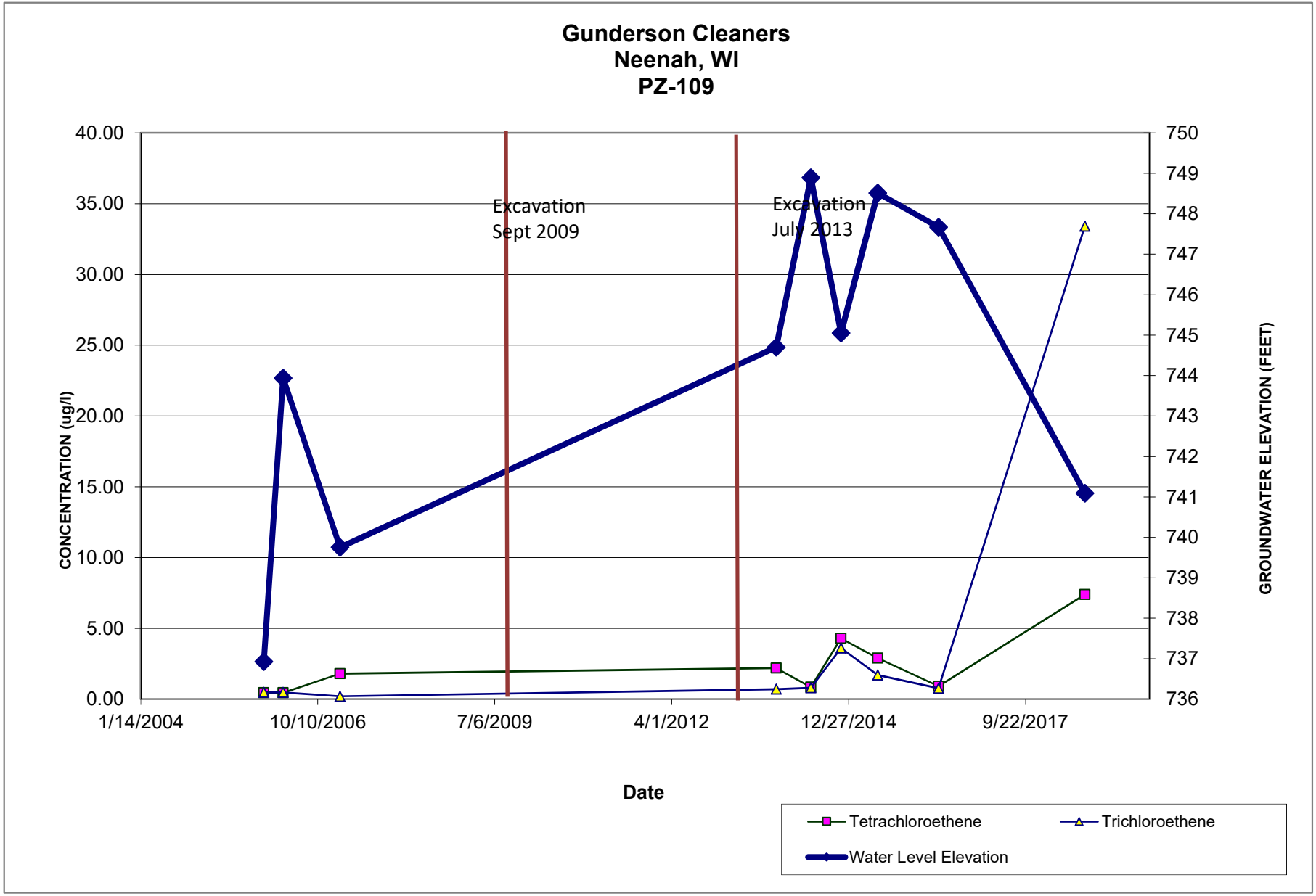
GENERAL BH / TP / WELL 2019.01.03.GPJ GINT US.GDT 1/3/19

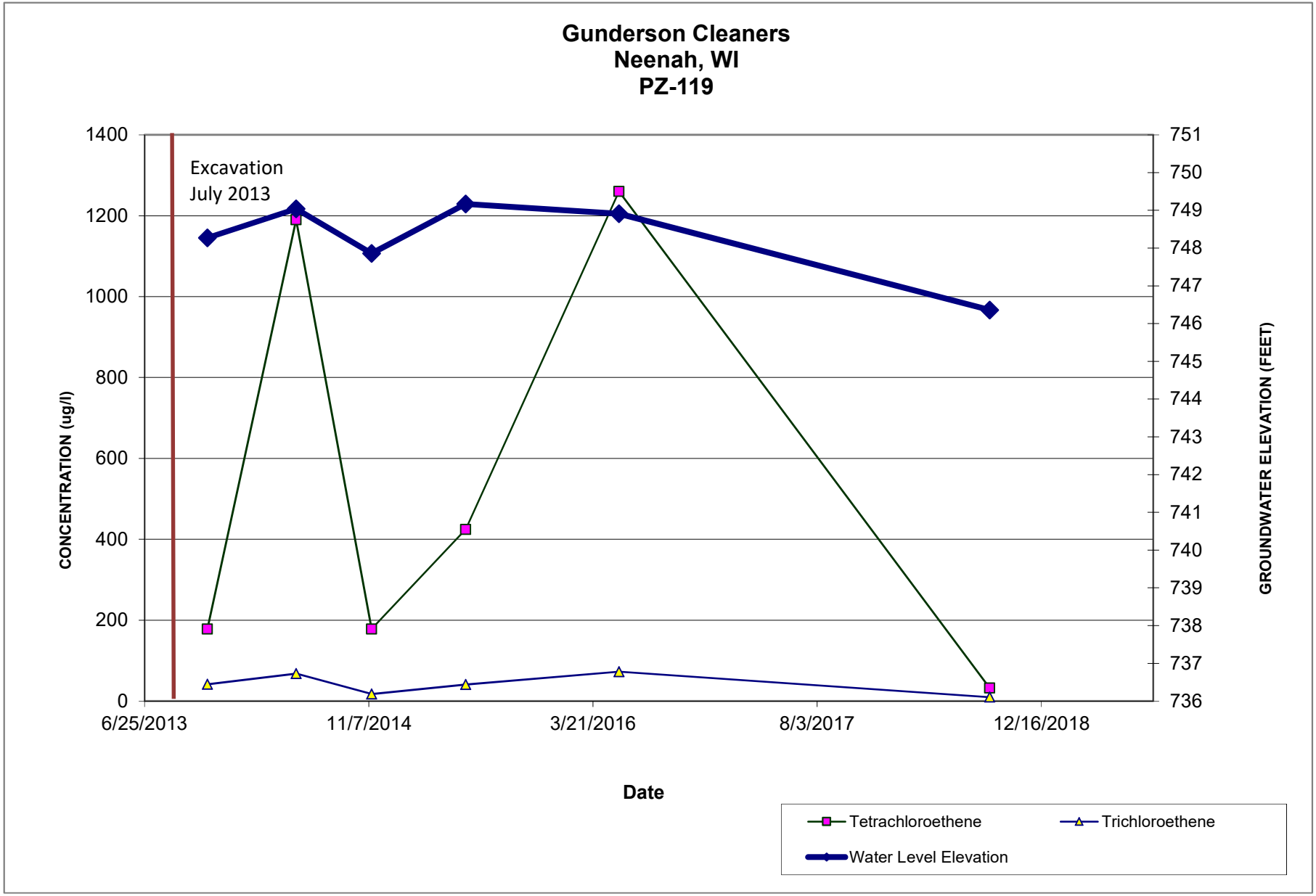
Attachment D
Charts Showing Groundwater Chemistry Versus Time

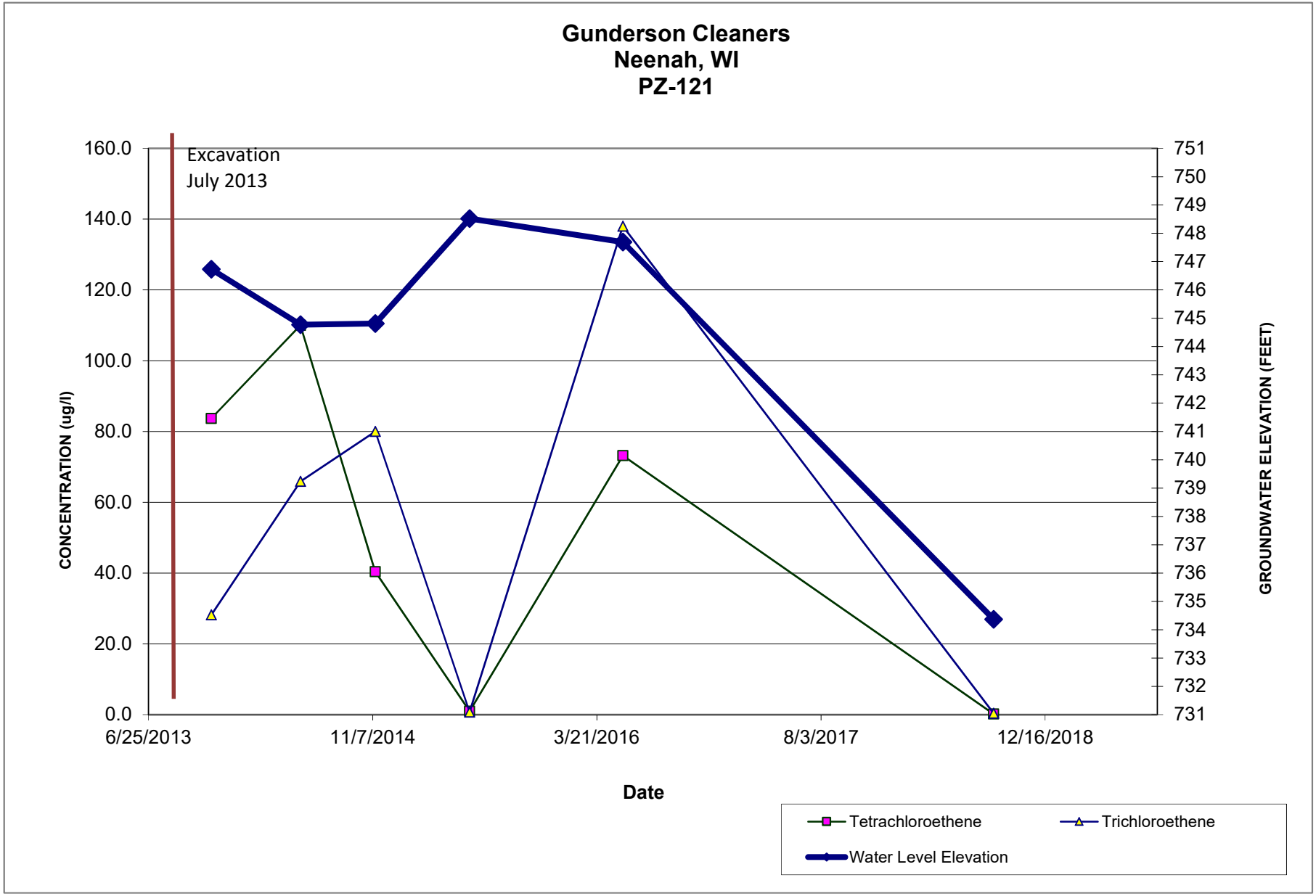

Gunderson Cleaners
Neenah, WI
MW-115
Excavation
Sept 2009
Excavation
July 2013
25.00
20.00
15.00
10.00
5.00
0.00
CONCENTRATION (ug/l)
751
750
749
748
747
746
745
744
743
742
741
740
739
738
737
736
GROUNDWATER ELEVATION (FEET)
1/14/2004
10/10/2006
7/6/2009
4/1/2012
12/27/2014
9/22/2017
Date
Tetrachloroethene
Trichloroethene
Water Level Elevation

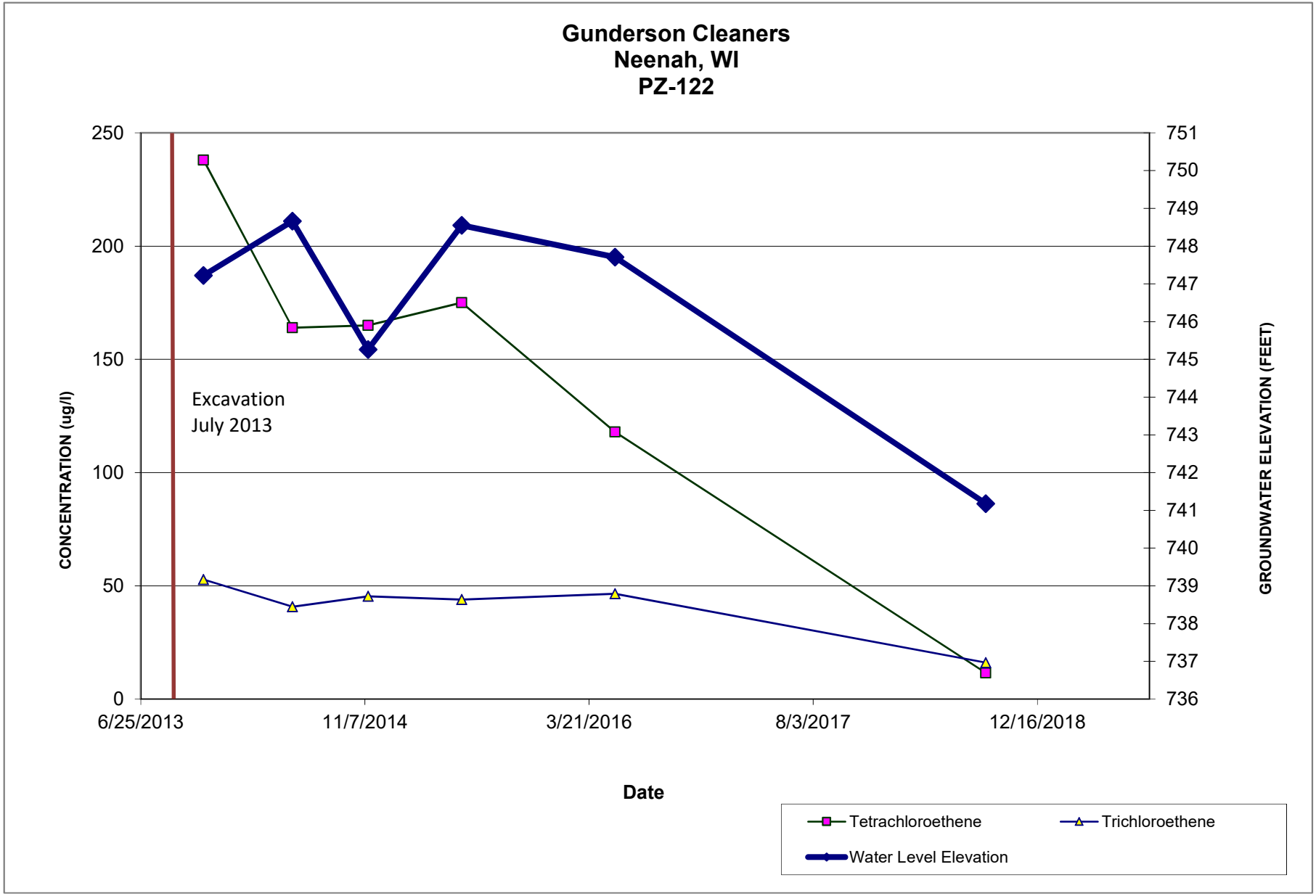

Gunderson Cleaners
Neenah, WI
MW-116
Excavation
July 2013
CONCENTRATION (ug/l)
GROUNDWATER ELEVATION (FEET)
3000
2500
2000
1500
1000
500
0
751
750
749
748
747
746
745
744
743
742
741
740
739
738
737
736
6/25/2013
11/7/2014
3/21/2016
8/3/2017
12/16/2018
Date
Tetrachloroethene
Trichloroethene
Water Level Elevation

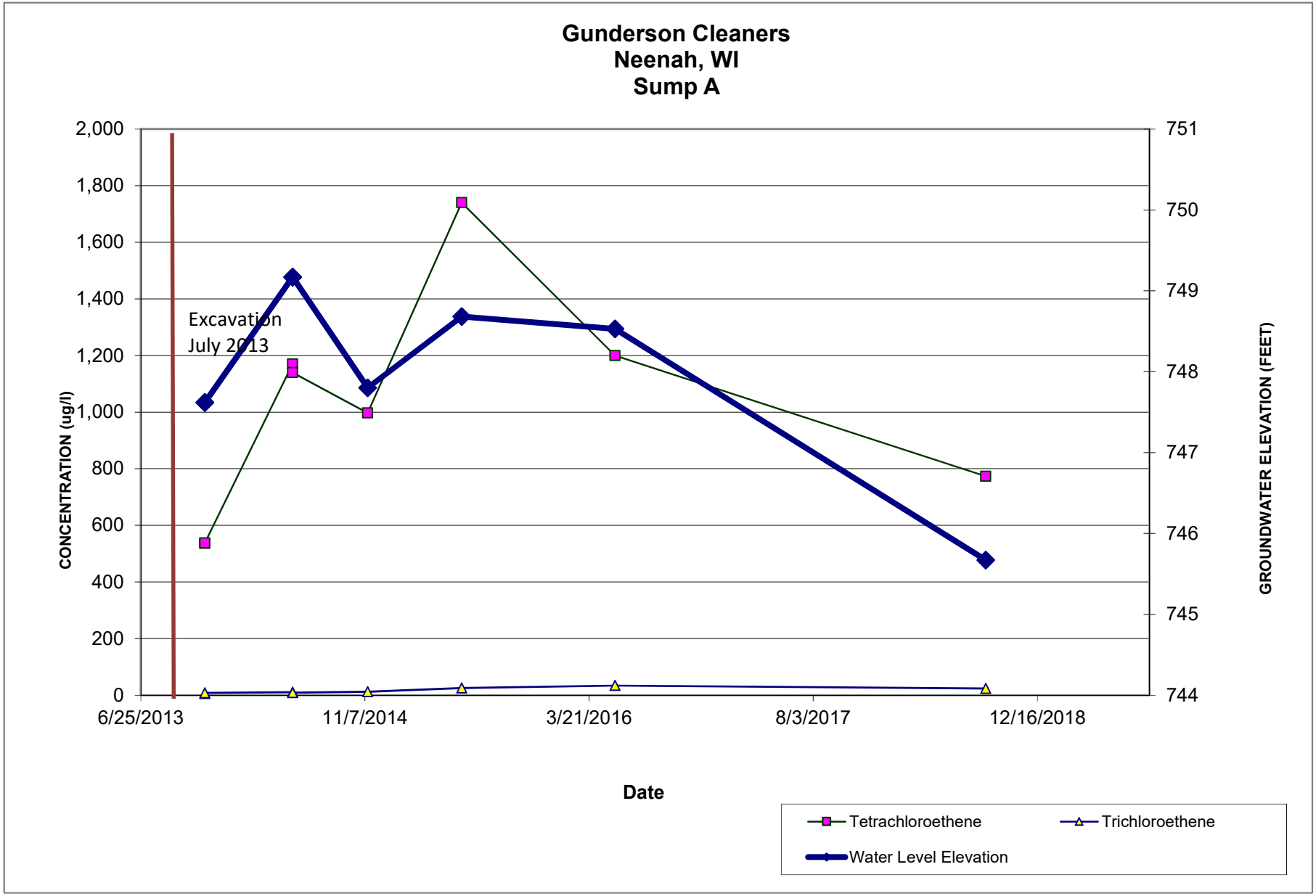

Gunderson Cleaners
Neenah, WI
PZ-107
Excavation
Sept 2009
Excavation
July 2013
CONCENTRATION (ug/l)
GROUNDWATER ELEVATION (FEET)
400
350
300
250
200
150
100
50
0
750
749
748
747
746
745
744
743
742
741
740
739
738
737
736
1/14/2004
10/10/2006
7/6/2009
4/1/2012
12/27/2014
9/22/2017
Date
Tetrachloroethene
Trichloroethene
Water Level Elevation

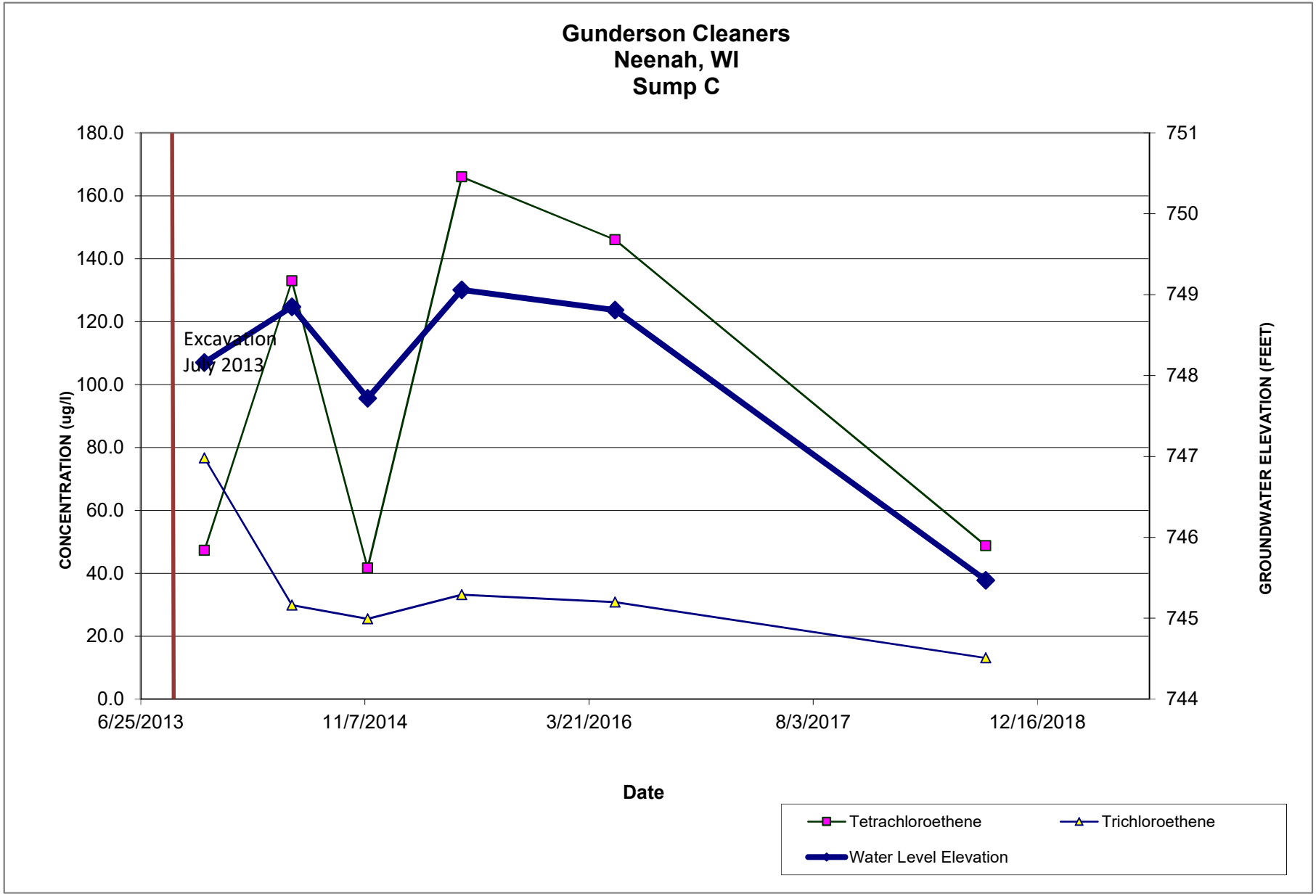

Gunderson Cleaners
Neenah, WI
PZ-109
Excavation
Sept 2009
Excavation
July 2013
CONCENTRATION (ug/l)
GROUNDWATER ELEVATION (FEET)
40.00
35.00
30.00
25.00
20.00
15.00
10.00
5.00
0.00
750
749
748
747
746
745
744
743
742
741
740
739
738
737
736
1/14/2004
10/10/2006
7/6/2009
4/1/2012
12/27/2014
9/22/2017
Date
Tetrachloroethene
Trichloroethene
Water Level Elevation

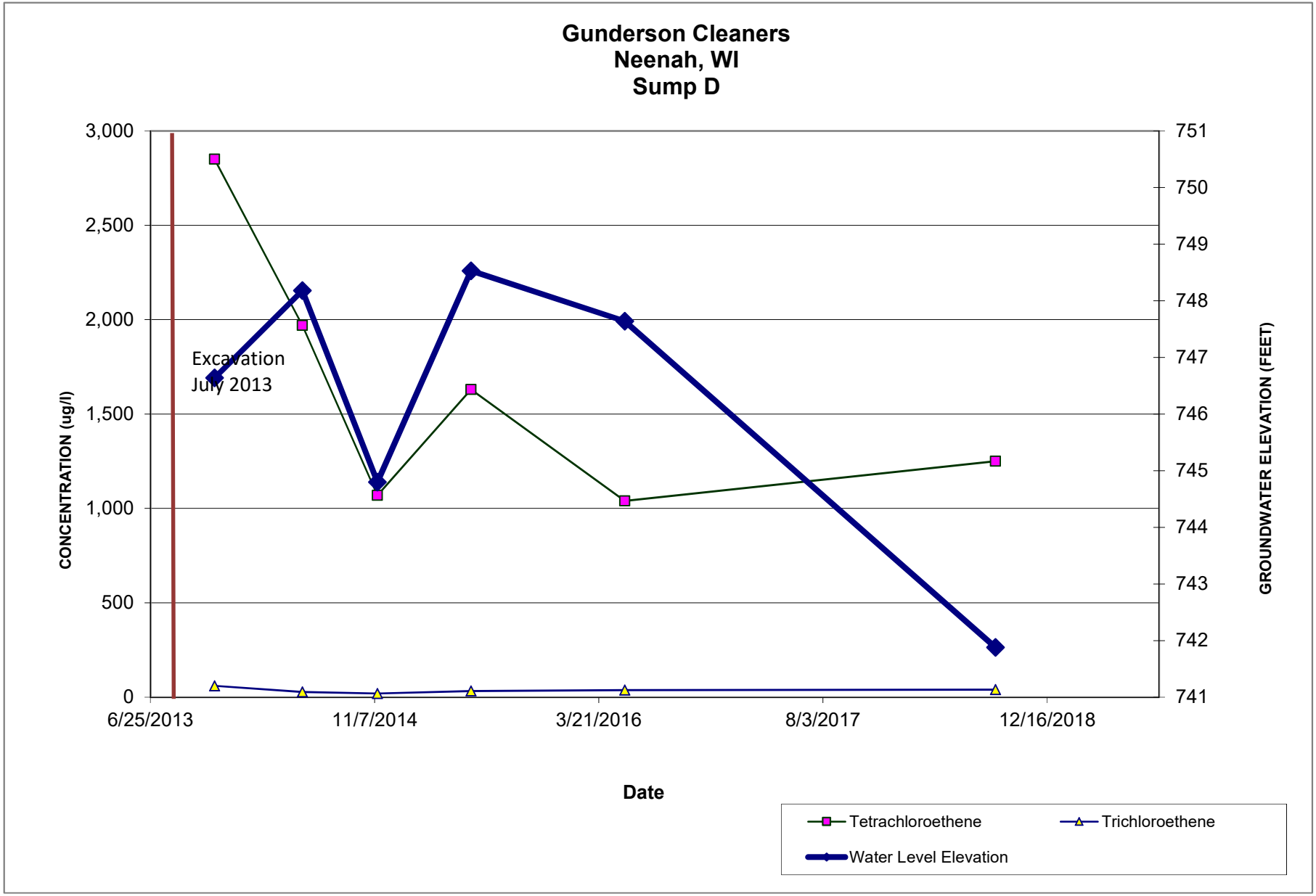

Gunderson Cleaners
Neenah, WI
PZ-119
Excavation
July 2013
CONCENTRATION (ug/l)
GROUNDWATER ELEVATION (FEET)
1400
1200
1000
800
600
400
200
0
751
750
749
748
747
746
745
744
743
742
741
740
739
738
737
736
6/25/2013
11/7/2014
3/21/2016
8/3/2017
12/16/2018
Date
Tetrachloroethene
Trichloroethene
Water Level Elevation


Gunderson Cleaners
Neenah, WI
PZ-121
Excavation
July 2013
160.0
140.0
120.0
100.0
80.0
60.0
40.0
20.0
0.0
CONCENTRATION (ug/l)
751
750
749
748
747
746
745
744
743
742
741
740
739
738
737
736
735
734
733
732
731
GROUNDWATER ELEVATION (FEET)
6/25/2013
11/7/2014
3/21/2016
8/3/2017
12/16/2018
Date
Tetrachloroethene
Trichloroethene
Water Level Elevation


Gunderson Cleaners
Neenah, WI
PZ-122
CONCENTRATION (ug/l)
GROUNDWATER ELEVATION (FEET)
250
200
150
100
50
0
751
750
749
748
747
746
745
744
743
742
741
740
739
738
737
736
Excavation
July 2013
6/25/2013
11/7/2014
3/21/2016
8/3/2017
12/16/2018
Date
Tetrachloroethene
Trichloroethene
Water Level Elevation


Gunderson Cleaners
Neenah, WI
Sump A
2,000
1,800
1,600
1,400
1,200
1,000
800
600
400
200
0
CONCENTRATION (ug/l)
751
750
749
748
747
746
745
744
GROUNDWATER ELEVATION (FEET)
Excavation
July 2013
6/25/2013
11/7/2014
3/21/2016
8/3/2017
12/16/2018
Date
Tetrachloroethene
Trichloroethene
Water Level Elevation


Gunderson Cleaners
Neenah, WI
Sump C
180.0
160.0
140.0
120.0
100.0
80.0
60.0
40.0
20.0
0.0
CONCENTRATION (ug/l)
751
750
749
748
747
746
745
744
GROUNDWATER ELEVATION (FEET)
Excavation
July 2013
6/25/2013
11/7/2014
3/21/2016
8/3/2017
12/16/2018
Date
Tetrachloroethene
Trichloroethene
Water Level Elevation


Gunderson Cleaners
Neenah, WI
Sump D
3,000
2,500
2,000
1,500
1,000
500
0
CONCENTRATION (ug/l)
751
750
749
748
747
746
745
744
743
742
741
GROUNDWATER ELEVATION (FEET)
Excavation
July 2013
6/25/2013
11/7/2014
3/21/2016
8/3/2017
12/16/2018
Date
Tetrachloroethene
Trichloroethene
Water Level Elevation

Attachment E
Drum Disposal Documentation

COVANTA
Environmental Solutions

Covanta Environmental Solutions - Fox Valley
Winneconne WI

Payment Document

Date 8/8/2018

Invoice # 387544

Terms Upon receipt
PO #
SSM Sternard, Steven
Phone Number
Customer Fax
Memo

Bill To

FEHR GRAHAM
1237 PILGRIM ROAD
PLYMOUTH WI 53073

SHIP TO

Gary Gunderson
Gunderson Cleaners
891 S. Green Bay Road
Neenah WI 54956-3629
United States

Generator	Date	Doc #	Description	Quantity	Unit	Price	Amount
Gunderson Cleaners (891 S. Green Bay Road - Neenah)	8/8/2018	1372	Disposal Non Haz Drums 55 Gal (for Solidification)	12	55 Gal. Dr...	85.00	1,020.00
Gunderson Cleaners (891 S. Green Bay Road - Neenah)	8/8/2018		Van Trailer Non-Haz ST	1	Load	300.00	300.00
Gunderson Cleaners (891 S. Green Bay Road - Neenah)	8/8/2018		Energy, Insurance and Security	1	Load	125.40	125.40

Total $1,445.40

This invoice has been reviewed and compared with the respective bid for services.
X Please pay vendor in full
____ Pay vendor as modified
$ 1445.40 Anticipated reimbursable amount
Client: GUNDERSON Project #: 1123
By: [signature] Date: 8-27-18
Fehr Graham

ATTN: MATT

Need to schedule a Load?
Call our Results Delivery Group at (866) 475-3110
or
Schedule a Load online @ www.advancedwasteservices.com.
Click on the Pickup Tab and place your order.

Contact Covanta Environmental Solutions at 800-842-9792 within 30 days of the invoice date for any and all billing discrepancies

Covanta Environmental Solutions.
A nationwide network of Treatment, Recycling, Logistics and Energy-from-Waste resources to help clients reach their sustainability goals and protect tomorrow.

Remittance Address
Covanta Environmental Solutions, LLC
29023 Network Place
Chicago, Il 60673-1290
Courier Address:
JPMorgan Chase
Attn: Covanta Environmental Solutions LLC 29023
131 S. Dearborn, 6th Floor
Chicago, Il 60603

Use following for ACH: JPMORGAN CHASE BANK N.A.
Bank/ABA/Routing # : 071000013, Bank Acct. # :878356844
Chicago Il
Use following for WIRE:
Bank/ABA/Routing# : 021000021, Bank Acct# : 878356844
New York, NY

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of 1	3. Emergency Response Phone (800) 424-9300	4. Waste Tracking Number 1372

GENERATOR

5. Generator's Name and Mailing Address
Cunderson Cleaners (891 S. Green Bay Road - Neenah)
891 S. Green Bay Road
Neenah, WI 54956-3629
Generator's Phone: (920) 727-4010

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: Covanta Environmental Solutions Carriers II, LLC — U.S. EPA ID Number: WIR000165399

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
Covanta Environmental Solutions, LLC - Fox Valley
210 Tower Rd
Winneconne, WI 54986
Facility's Phone: (920)582-7596

U.S. EPA ID Number: WIR000131656

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Soil drums		DM	12		NONF
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
Profile #: 1000179543-5-NR-5-Covanta Environme

Trailer # _____
Emergency Response Guide On-board
Site arrival time _____
Site departure time _____
www.covanta.com

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name | Signature | Month | Day | Year

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: _____
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Ryan Pirman		8	8	18
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) | Month | Day | Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name	Signature	Month	Day	Year
Matt Newman		08	08	18

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DESIGNATED FACILITY TO GENERATOR

1/1

The Waste Certification Statement™

COVANTA Environmental Solutions

Please check the designated Facility:

__ **CES-Milwaukee** 3216 West Villard Avenue Milwaukee, WI 53209 800-842-9792	__ **CES-Portage** 5625 Old Porter Rd Portage, IN 46362 800-842-9792	__ **CES-Griffith** 1408 Gatlin Drive Griffith, IN 46319 800-842-9792	__ **CES-Cedar Rapids** 640 63rd Avenue, SW Cedar Rapids, IA 52404 319-247-2403
__ **CES-New Castle** 101 River Park Drive New Castle, PA 16101 724-657-8777	__ **CES-61 (PA)** 61 River Park Drive New Castle, PA 16101 724-657-8777	X **CES-Fox Valley** 210 Tower Road Winneconne, WI 54971 920-582-7596	__ **CES-Fox Valley** 608 Memorial Drive Ripon, WI 54986 920-582-7596	__ **CES-Indy** 2513 South Holt Road Indianapolis, IN 46241 800-842-9792

Desired Management Technology	____ Waste Water Treatment	____ Solidification	____ Used Oil Management	____ Waste to Energy	____ Recycle

A) Generator Information NAICS Code # _____

Generator Name Gunderson Cleaners Inc.
Street 200 W. Wisconsin Avenue
City Appleton State WI Zip 54911
Contact Name Gary Gunderson
Phone 920-727-4010 Fax _____
Email Ggunderson@Gundersongroup.com
State ID# _____

(Correspondence will be sent to "Customer Name" address)
Customer Name Fehr Graham
Street 909 N. 8th Street, Suite 101
City Sheboygan State WI Zip 53081
Contact Name Ken Ebbott
Phone 920-453-0700 Fax 920-453-0750
Email kebbott@fehr-graham.com

B) Waste Description (It is the legal responsibility of the Generator to accurately characterize its waste. 40 CFR 262.11. All information fields MUST be be completed.)

1) Common Name of Waste: Soil cuttings Is Waste X Wet or ____ Dry?
2) US DOT Proper Shipping Name: _____
3) Process Generating Waste: Drilling groundwater monitoring wells
4) Is this waste a characteristic or listed hazardous waste as defined in CFR 40 Part 261? __ Yes* X No
**If yes, this waste cannot be accepted at a CES treatment facility.*
5) Is this waste "Used Oil" or contain "Used Oil" as defined in 40 CFR 279 or generator state regulations? __ Yes X No
If Yes, please complete Section F. Used Oil Warranty.
6) Method of Shipment: __ Tanker __ Rolloff x Drum - Type/Size 55 gallon Other: _____
7) Frequency of Shipment: ☑ One Time ☐ Monthly ☐ Annually ☐ On Call ☐ Other
8) Amount of Shipment: 12 drums
9) Waste is: __ Industrial Process Waste __ Unused or Off-Spec Product NRC Radioactive? __ Yes __ No
__ Commercial Process Waste X UST or Spill Related Waste
__ Food Related Waste __ Other, please specify: _____
12) MSDS attached? __ Yes X No 9) Analysis Attached? X Yes __ No*
**If no, waste may be rejected on receipt based on CES laboratory analysis.*

C) Physical Data

1) Color: Brown
2) Odor: X None __ Mild __ Strong
3) # of Layers: _____ Liquid 18 %
Solids 82 % Sludge ____ %
4) Is Waste Pumpable? __ Yes X No Pourable? X Yes __ No
5) Flash Point: _____ 8) BOD: _____ ppm
6) pH: _____ 9) COD: _____ ppm
7) Specific Gravity: ____ 10) Does waste contain Mercury? __ No __ Yes* ____ ppm
11) Does waste contain Ammonia? X No __ Yes ____ ppm 12) Does waste contain Cyanide? X No __ Yes ____ ppm
13) Does waste contain Phenol? X No __ Yes ____ ppm 14) Does waste contain PCB's? X No __ Yes ____ ppm
**Wastes containing any concentration of Mercury cannot be wastewater treated by CES. Please consult your RA for alternate disposal method.*

D) Waste Composition

Soil Cuttings	82 %		%
	%		%
	%	Water Content	18 %
			TOTAL 100%

SAMPLE INFORMATION

Is sample provided? __ Yes X No
If yes, then fill out the following:
Date Collected: _____ Time Collected _____
Sampled by: _____ Sample location: _____
Composite ☐ Grab ☐

The Waste Certification Statement™

E) Pollutant Analysis: Based on knowledge or analysis, check if characteristic is Below Regulatory Limits "BRL" or state actual value.

INORGANIC CHARACTERISTICS

(BRL = Below Regulatory Limits)

D004	Arsenic	<5.0	D010	Selenium	<1.0
D005	Barium	<100.0	D011	Silver	<5.0
D006	Cadmium	<1.0		Copper	<100.0
D007	Chromium	<5.0		Zinc	<500.0
D008	Lead	<5.0		Nickel	<500.0
D009	Mercury*	None			

*Waste streams for water treatment may not contain any Mercury.

ORGANIC CHARACTERISTICS (*check if characteristic is Below Regulatory Limits "BRL" or state actual value)*

D018	Benzene	<0.5	☑	D032 Hexachlorobenzene	<0.13 ☑
D019	Carbon Tetrachloride	<0.5	☑	D033 Hexachlorobutadiene	<0.5 ☑
D021	Chlorobenzene	<100	☑	D034 Hexachloroethane	<3.0 ☑
D022	Chloroform	<6.0	☑	D035 Methyl Ethyl Ketone	<200.0 ☐
D023	o-Cresol	<200.0	☐	D036 Nitrobenzene	<2.0 ☐
D024	m-Cresol	<200.0	☐	D037 Pentachlorophenol	<100.0 ☐
D025	p-Cresol	<200.0	☐	D038 Pyridine	<5.0 ☐
D026	Cresol	<200.0	☐	D039 Tetrachloroethylene	<0.7 ☑
D027	1,4-Dichlorobenzene	<7.5	☑	D040 Trichloroethylene	<0.5 ☑
D028	1,2-Dichloroethane	<0.5	☑	D041 2,4,5-Trichlorophenol	<400.0 ☐
D029	1,1-Dichloroethylene	<0.7	☑	D042 2,4,6-Trichlorophenol	<2.0 ☐
D030	2,4-Dinitrotolune	<0.13	☑	D043 Vinyl Chloride	<0.2 ☑

F) Used Oil Warranty (complete if waste is a "Used Oil" or contains "Used Oil") Not Applicable ☑

1) Has this Used Oil* been mixed with Hazardous Waste __ Yes** __ No ***If yes, this waste cannot be accepted at a CES facility.*

**Used oil is oil that has been refined from crude or synthetic oil and used as a lubricant.*

2) Does this Used Oil contain Total Halogens greater than 1,000 ppm? __ Yes *If yes, must complete F(3) below.*
__ No* *(Confirmed by Chlor D Tect or equivalent – US EPA Method 9075)*

** If no, the Used Oil is non-hazardous and the Used Oil Warranty is complete. Please initial Section F & continue to Section G.*

3) If yes to F(2) above, can you rebut the presumption that the Used Oil is a Hazardous Waste? __ Yes __ *No

* *If no to F(3), this waste cannot be accepted at an CES treatment facility.*

(Pursuant to EPA 40 CFR 279, WI DNR NR 679, 35 IL Adm. Code Part 739, 25 PA Chapter 298, IN 329 IAC 13 and IA Code 455B.)

If yes to F(2) above, Generator must Rebut the Presumption by:

a) Demonstrating the total halogen content is due to the presence of a Halogenated Constituent of the oil formulation; for example, Chlorinated Parrafins. This Used Oil has not been mixed with a chlorinated solvent or other hazardous waste. **Material Safety Data Sheet MUST be attached.**

b) Providing a certified laboratory analysis affirming the used oil does not contain a concentration in excess of 100 ppm for any F001/F002 constituent.

Generator's Initials

G) Warranty Statement

I hereby certify the following: The waste identified in Section B of this waste profile form, when measured in each container or vessel, does not contain any material at a concentration which would render it hazardous as defined in 40 CFR 261 to include regulated Pesticides/Herbicides, nor does it contain PCB's at a concentration of >1 ppm, or contaminated with PCB's from a source ≥ 50 ppm nor, if the waste is to be water treated, does it contain any Mercury. I further hereby agree to indemnify and hold Covanta Environmental Solutions harmless from all costs, damages, liability or other expenses (including but not limited to attorneys and expert witness fees) resulting from any inaccurate or incomplete information provided herein by Generator or Client.

Generator's Initials

GENERATOR NON-HAZARDOUS WASTE CERTIFICATION

I, Gary Gunderson certify that I have sufficient "Acceptable Knowledge"* to complete the information submitted above and that all attached documents contain true and accurate descriptions of the waste material. I also certify that the waste is not a Hazarous waste, a PCB TSCA waste, or NRC Regulated Radioactive waste. The waste sample, if provided, is representative of the waste material described above. I hereby agree to indemnify and hold Covanta Environmental Solutions harmless from all costs, damages, liability or other expenses (including but not limited to attorneys and expert witness fees) resulting from any inaccurate or incomplete information provided herein.

** Please reference US EPA Hazarous Waste Generator Improvement rule at* https://www.epa.gov/hwgenerators/final-rule-hazardous-waste-generator-improvements

Signature Gary Gunderson * **Title** Pres. **Date** 8-8-18

** Cannot be signed by a CES employee.*

FOR APPROVAL USE ONLY: OK for Acceptance: __ Yes __ No Approval No. _____ Authorization Initials ____

Date Rec'd: _____ Treatability Code: _____ **Subcategory:** __ **Oil** __ **Metal** __ **Organic** __ **Solid**