

March 11, 2024

Mr. Matt Thompson  
Wisconsin Department of Natural Resources  
1300 W. Clairemont Avenue  
Eau Claire, WI 54701

Subject: 2023 Annual Groundwater Monitoring Report  
BRRTS #02-37-000006  
Wauleco, Inc.  
Wausau, Wisconsin

Dear Mr. Thompson:

On behalf of Wauleco, Inc., TRC Environmental Corporation (TRC) is submitting one copy of the 2023 Annual Groundwater Monitoring Report for the Wauleco, Inc. site in Wausau, Wisconsin. This report includes the results of sampling and laboratory analysis for the groundwater monitoring events at the Wauleco site.

If you have any questions or comments regarding this information, please contact us.

Sincerely,

TRC

A handwritten signature in blue ink, appearing to read "Steve Sellwood".

Steve Sellwood, P.G.  
Senior Hydrogeologist

A handwritten signature in blue ink, appearing to read "Bruce Iverson".

Bruce Iverson, P.E.  
Project Manager

Enclosure: 2023 Annual Groundwater Monitoring Report (electronic only)

cc: Evan Schreiner – Wauleco (3 copies)  
Tom Dushek – TRC, Wauleco (1 copy)  
David Crass – Michael, Best & Friedrich, L.L.P. (electronic only)

**2023 ANNUAL GROUNDWATER MONITORING REPORT**

**WAULECO, INC.  
WAUSAU FACILITY  
WAUSAU, WISCONSIN**

**March 2024**

**Prepared For:  
Wauleco, Inc.  
Wausau, Wisconsin**

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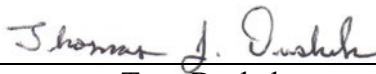
**Prepared By:  
TRC, Inc.  
Madison, Wisconsin**

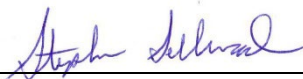
**Project No. 189597**

**2023 ANNUAL GROUNDWATER MONITORING REPORT**

**WAULECO, INC.  
WAUSAU FACILITY  
WAUSAU, WISCONSIN**

**March 2024**

Prepared by:  03/11/2024  
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# 2023 ANNUAL GROUNDWATER MONITORING REPORT

## WAULECO, INC. WAUSAU FACILITY

### INTRODUCTION

This 2023 Annual Groundwater Monitoring Report presents a summary of groundwater quality data collected from the Wauleco, Inc. facility in Wausau, Wisconsin (see Drawing 1) in 2023. The focus of this report is on groundwater quality data collected throughout the year during groundwater remediation system operations and analyses from groundwater samples collected during the semi-annual groundwater monitoring rounds (winter and summer) for 2023. For comparison purposes, this report includes historical groundwater data collected at the site since January 1987.

### BACKGROUND

Periodic groundwater sampling has been conducted and recorded at the Wauleco facility since January 1987. A formal Groundwater Monitoring Plan (GMP) was prepared for the site in January 1992 and, with slight modifications, the first sampling round conducted under the GMP occurred during February 1992. Since 1992, the following changes have been made to the groundwater extraction and treatment system at the Wauleco property:

- The infiltration gallery was discontinued in 1992.
- Pumping well PW09 was added in 1992 and PW10 through PW16 were added in 1993.
- Eleven new extraction wells (PW17 through PW27) were installed in the fall of 1998 and an additional two extraction wells (PW28 and PW29) were installed near the northern property line in September 1999.
- An upgraded control system, with additional monitoring and control capabilities, was added in 1999.
- In the fall of 2007, four focused pumping wells, FP1, FP2, FP3, and FP4 were installed and added to the system. These wells were started in January 2008. Extraction wells PW09, PW22, PW28, and PW29 were taken off the piping system to make room for the new focused pumping wells.
- In early 2011 mobile product recovery was deemed complete and that the mobile product recovery system should be shut down (see correspondence with Wisconsin Department of Natural Resources (WDNR) in Appendix A). Further, the groundwater recovery pumping

rate was revised to assess what effect it had on groundwater concentrations as part of a long-term closure evaluation. The plan agreed upon with the WDNR included:

- Reducing the groundwater extraction system's pumping rate from 40-45 gpm to 22-30 gpm, near the 20 gpm rate used prior to implementation of the enhanced product recovery rate in 1999.
- Monthly water level monitoring and preparation of water table maps for a period of three months and then quarterly to assess seasonal changes. This was extended through October 2012 to measure the effect of the water supply lateral leak (as discussed in more detail in this report under Groundwater Elevations).
- The reduced pumping approach was implemented on March 2, 2011 by reducing the pumping rate to approximately 29 gpm. The pumping rate was further reduced from approximately 29 gpm to 22 gpm on June 7, 2012. WDNR concurrence was secured before each of these pumping rate reductions were implemented.

In addition to changes in the extraction and treatment system, the following changes have been made to the groundwater monitoring program:

- Monitoring wells W06, W15, W20, W37, and W38 were abandoned in 1993.
- Monitoring well W43 was lost during utility work prior to 1993.
- Monitoring wells W06R, W68A, W68B, W69 and W70B were installed in 1993.
- Groundwater sampling reduced from quarterly to semi-annually (summer and winter) in 1997. The wells and parameters included in the semi-annual monitoring program are summarized in Table 1.
- Beginning in January 2010, five groundwater monitoring wells on the 3M site, located north of the Wauleco site, were added to the semi-annual monitoring program for pentachlorophenol (PCP) analysis. Results are listed in the tables in Appendix B2.
- As agreed to in November 2010, Wauleco continued to remove apparent mobile product using the socks in wells approach, to assess whether product in wells is representative of mobile product on the water table or due to product trapped in the wells.
- A group of eight wells in the spring and nine wells in the fall of 2011, and nine wells in the spring of 2012 were sampled for PCP to determine if the reduced pumping rate had an adverse effect on groundwater concentrations near the site. Results are listed in the tables in Appendix B2.
- With WDNR approval, in July 2012, VOCs, except naphthalene, were eliminated from the July 2012 groundwater sampling event. Starting in 2013, VOC analysis was limited to naphthalene, 1,2,4 trimethylbenzene, and xylenes.

- With WDNR approval, in 2013 and 2014 (refer to TRC letter dated October 30, 2013 regarding revisions to groundwater monitoring plan and WDNR’s conditional approval letter dated March 18, 2014), the groundwater monitoring program was revised to include natural attenuation parameters; dissolved iron and manganese, sulfate, and total organic carbon. Chloride was eliminated, along with nitrite plus nitrate which was replaced with nitrate. Wells W14 and W69 were eliminated; wells FP2 and PW17 were added. 3M wells DFOMW9 and DFOMW10A were also eliminated and abandoned in 2015.
- In 2015, monitoring wells PW02 and W70B, that were located within the footprint of the Soil Mound, were abandoned during Soil Mound removal activities. Additional monitoring wells W71, W72, W73 and W74 were installed to provide additional information concerning water elevations and water quality to the south and west of the Wauleco site.
- In 2015, monthly water level monitoring and quarterly water table map preparation was discontinued as recommended in the TRC document titled “2014 Annual Groundwater Report” dated April 2015. Beginning in 2015, quarterly water level monitoring and semi-annual water table map preparation was performed and continues.
- Monitoring wells W19, W26, W29, W39 and W40 were abandoned in March 2019 due to Thomas Street reconstruction by the City of Wausau. Replacement wells W26R, W29R and W40R were installed in June 2019. Monitoring wells W19 and W39 were not replaced.
- Starting August 3, 2020, the City of Wausau began a dewatering program at the City’s Wastewater Treatment Plant (WWTP) for new construction. The City reported that dewatering ended in December 2021 and dewatering equipment was removed in April 2022. Monthly water levels were collected prior to the start of dewatering operations and continued through July 2022 at select wells to monitor changes in groundwater elevations reflected in site wells. A complete summary can be found in the 2022 Annual Groundwater Monitoring Report. Additional sampling of 10 monitoring wells near the WWTP for PCP analysis was conducted quarterly from October 2020 through July 2022.
- During the summer of 2020, the City of Wausau replaced a rock retaining wall on the west bank of the Wisconsin River northwest of the Thomas Street bridge with a driven steel piling wall (refer to Drawing 2). The wall extends for approximately 550 linear feet, with a maximum estimated depth of 35 feet below ground surface.
- On June 29 and 30, 2021, wells W01A and W01B, located along the western fence-line were abandoned due to the railroad property transfer to 3M. These well abandonments were completed per NR-141 and per WDNR approval (WDNR e-mail dated May 28, 2021). The abandonment logs were included in Appendix F of the 2021 Annual Groundwater Monitoring Report dated February 2022.
- The Groundwater Monitoring Report is submitted on an annual basis following completion of the year’s monitoring.



The term “free product” has historically been used in this project to describe the light, non-aqueous phase liquid (LNAPL) that could move into a monitoring well or extraction well. In this report the term “free product” is being replaced by “mobile product” or LNAPL. The term “mobile product” is limited to the observation that the LNAPL has moved into a monitoring well or extraction well.

## **SAMPLING EVENT SUMMARY**

This report provides a presentation and interpretation of data collected at Wauleco beginning in 1987 and continuing through December 2023. Sampling activities since 1992 have been conducted in general accordance with Wauleco’s GMP and the WDNR’s conditional approvals, summarized above. During each sampling event, water levels and LNAPL thickness measurements are first recorded, followed by the purging of each well sampled. The groundwater monitoring program is summarized in Table 1 with a list of sampled wells during 2023 in Table 2. The locations of the groundwater monitoring and extraction wells are shown on Drawing 2. Only one well planned to be sampled contained mobile LNAPL, so groundwater quality samples were collected from all planned wells except W40R in January. Groundwater elevation measurements collected during the January 5 and July 3, 2023 rounds are included in Table 3.

Groundwater samples were submitted as appropriate for laboratory analysis of; nitrate (Method EPA 9056A); dissolved mercury (Method EPA 7470A); dissolved iron and manganese (Method EPA 6010C); sulfate (Method EPA 9056A); total organic carbon (Method EPA 9060A); naphthalene (EPA Method 8020A); phenolic compounds (Method EPA 8270D); volatile organic compounds (VOC’s) (Method EPA 8020A); and total petroleum hydrocarbons (TPH) (Method EPA 8015). A summary of the January and July 2023 groundwater analytical results is provided in Tables 4a and 4b respectively; graphs of PCP results are included in Appendix C; and laboratory reports for January and July 2023 are included in Appendices D1 and D2, respectively.

## **PRESENTATION OF RESULTS**

Discussions of the following data are presented in the subsections below:

- Groundwater Elevations
- Apparent LNAPL Thickness
- LNAPL Recovery
- Dissolved PCP Recovery
- Total PCP Recovered
- Groundwater Quality

## Groundwater Elevations

Groundwater elevations for 2023 are summarized in Table 3, with Figure 1 showing the historical groundwater elevation at this site as the average water level deviation<sup>1</sup>. As shown in Figure 1, since 1990 the average water level deviation has ranged from -2.8 ft to +4.5 ft. The average water level deviation for 2023 indicates water levels are near historical averages.

As agreed with the WDNR in February 2011 (see correspondence in Appendix A), the mobile LNAPL recovery system was terminated, which included reducing the groundwater extraction rates. The pumping rate was reduced from approximately 43 gpm (January and February 2011 average) to between 22.5 and 32 gpm beginning in March 2011. The pumping rate was further reduced from approximately 28 gpm to 22 gpm beginning in June 2012. The configuration of the January and July 2023 water table maps (Drawings 3 and 4, respectively) show a capture zone extending to more than 300 ft. in January and at least 150 ft. in July downgradient of the east property line adjacent to extraction wells FP01 and FP02.

## Apparent LNAPL Thickness

The apparent LNAPL thicknesses during January and July 2023 are shown on Drawings 5 and 6, respectively. Apparent LNAPL thickness represents a measurable thickness of LNAPL that has moved into a monitoring well. As shown in the following table, three monitoring wells and four extraction wells showed apparent mobile LNAPL in 2023. These occurrences are sporadic at each well. This illustrates that the apparent mobile LNAPL at the site is thin and isolated to very small areas.

<b>Well</b>	<b>January 2023 Apparent LNAPL Thickness (ft)</b>	<b>April 2023 Apparent LNAPL Thickness (ft)</b>	<b>July 2023 Apparent LNAPL Thickness (ft)</b>	<b>October 2023 Apparent LNAPL Thickness (ft)</b>
W07	0.16	0.02	0.26	0.02
W35	0.11	0.60	0.17	0.0
W40/W40R	0.14	0.0	0.0	0.0
FP03	0.03	0.0	0.0	0.0
PW16	0.0	0.0	0.01	0.01
PW20	0.0	0.37	0.01	0.01
PW21	0.0	0.07	0.0	0.0

In late 2009 a socks-in-wells approach was implemented to remove small quantities of LNAPL in wells to determine whether the LNAPL returns. This has been described in the Annual Groundwater Monitoring Reports since then. This practice is still in effect where apparent LNAPL thickness is present.

<sup>1</sup> The average water level deviation is an index for tracking the average change in groundwater at the site and consists of calculating, for selected on-site wells, the deviation of each month's water level from the well's historical average, and then averaging the deviations for all selected wells.

As shown in the table above, mobile LNAPL was detected at three monitoring wells and four extraction wells at one to four events throughout the year. Each of these LNAPL appearances occurred while pumping 13 extraction wells and demonstrates that very limited areas of mobile LNAPL exist on-site.

### LNAPL Recovery

Historic LNAPL recovery is summarized in the following table. No LNAPL was recovered in 2023.

Year	LNAPL Recovery (gallons)
1991 through 1997	38,705
1998	12,901
1999 – 1 <sup>st</sup> year with new wells	37,500
2000	31,540
2001	13,987
2002	3,287
2003	822.1
2004	457.6
2005	760.1
2006	3,513.2
2007	547.7
2008 – 1 <sup>st</sup> year with 4 new focused pumping wells	1,964.4
2009	1,198.3
2010	80.8
2011	4.8
2012	0.0
2013	0.0
2014	0.0
2015	0.0
2016	0.0
2017	0.0
2018	0.0
2019	0.0
2020	0.0
2021	0.0
2022	0.0
2023	0.0
Total	147,269

### Dissolved Phase PCP Recovery

Dissolved phase PCP is removed through groundwater extraction. The dissolved phase PCP concentration, as influent to the treatment system, is shown in Table 5. During 2023, a total of approximately 11.18 million gallons of water were treated through the fluidized bed reactor (FBR) system. The average PCP concentration of the influent water was 5,351 micrograms per liter ( $\mu\text{g/L}$ ), and the average PCP concentration in the treatment system effluent was 3.54  $\mu\text{g/L}$ . This translates to 499 pounds (lb) of PCP removed during 2023.

The average PCP concentration of the treatment system influent, as shown in the following table, has declined since 2000, but appears to have stabilized since 2010 between 4,000 ug/L and 6,000 ug/L.

<b>Year</b>	<b>Average Annual Treatment System Influent Concentration (µg/L)</b>
2000	10,226
2001	11,988
2002	9,979
2003	8,566
2004	7,097
2005	7,958
2006	7,199
2007	9,159
2008	7,533
2009	6,213
2010	4,678
2011	5,104
2012	4,966
2013	4,966
2014	5,142
2015	4,377
2016	4,223
2017	4,845
2018	4,428
2019	5,609
2020	5,194
2021	4,636
2022	4,832
2023	5,351

### Total PCP Recovered

The mass of PCP recovered since 1991 is summarized as follows:

<b>Total PCP Recovered</b>			
<b>Year</b>	<b>PCP in LNAPL Recovered<sup>1</sup> (lbs)</b>	<b>PCP in Water<sup>2</sup> (lbs)</b>	<b>Total PCP Recovered (lbs)</b>
Jan. 1991 – Sept. 1996	10,274	5,518	15,792
Oct. 1996 – Sept. 1997	1,942	1,220	3,162
1998 prior to new wells	4,077	1,460	5,537
1999 1 <sup>st</sup> year with new wells	12,645	2,550	15,195
2000	10,635	2,212	12,847
2001	4,716	2,146	6,862 <sup>3</sup>
2002	1,108	1,766	2,874

<b>Total PCP Recovered</b>			
<b>Year</b>	<b>PCP in LNAPL Recovered<sup>1</sup> (lbs)</b>	<b>PCP in Water<sup>2</sup> (lbs)</b>	<b>Total PCP Recovered (lbs)</b>
2003	277	1,408	1,685
2004	153	1,182	1,335
2005	254	1,332	1,586
2006	1,172	1,359	2,531
2007	183	1,628	1,811
2008	655	1,380	2,035
2009	400	1,194	1,594
2010	27	886	913
2011	2	671	673
2012	0	510	510
2013	0	473	473
2014	0	481	481
2015	0	422	422
2016	0	406	406
2017	0	459	459
2018	0	442	442
2019	0	510	510
2020	0	511	511
2021	0	440	440
2022	0	433	433
2023	0	499	499
<b>Total Project to Date</b>	<b>48,520</b>	<b>33,498</b>	<b>82,018</b>

<sup>1</sup> Assumes 5 percent PCP in LNAPL, based on the original LNAPL used and a LNAPL specific gravity of 0.8. The 5% PCP in LNAPL assumption overestimates the mass of PCP in LNAPL recovered based on lower percent PCP in LNAPL as shown in the Residual Phase LNAPL Investigation Technical Memorandum (TRC, 2019).

<sup>2</sup> For Jan. 1991 through Jan. 1999 the calculations use an estimated 10,000 ug/L average PCP in influent and measured pumping rates. For Feb. 1992 through current the calculations use the average concentration removed based on results from three to five sampling rounds per month and measured pumping rates.

## Groundwater Quality

The historical analytical results for each monitoring well location are provided in Appendix B; the analytical results for the 2023 sampling rounds are summarized in Tables 4a and 4b. Time trend graphs for PCP are provided in Appendix C. Isoconcentration maps for PCP; naphthalene; total petroleum hydrocarbons (TPH); 1,2,4-Trimethylbenzene; and total xylene concentrations are provided on Drawings 7 through 11, respectively.

As noted above, all planned wells except W40R in January were sampled during both sampling events in 2023.

Following is a summary of changes or trends by compound compared to the 2022 Annual Groundwater Monitoring Report:

- **PCP**

**Areal Extent** – The extent of PCP, shown on Drawing 7, is very similar to prior maps. The 3,000 ug/L contour shown on Drawing 7 extends from the center of the Wauleco property to W27, following the extent of residual phase LNAPL in that area, also shown on Drawing 7. This part of the plume extends only a short distance downgradient, dropping from 3,000 ug/L at W27 to 120 ug/L at W11 and <3 ug/L at W21.

The PCP concentrations to the northeast of the Wauleco property continue to show a similar distribution, with wells W13, W18, and W28 all being <3 ug/L downgradient of wells within the area of residual phase LNAPL.

Overall PCP concentrations continue to decline. These declines are shown in the time-concentration graphs in Appendix C. In particular:

- Well W10A is continuing its decline from 8,800 ug/L in July 2008 to 84 ug/L in July 2023.
- Well W17 is continuing its decline from 940 ug/L in 2007 to 31 ug/L in July 2023.
- Wells W41 and W27, at the upgradient and downgradient edge of the southeast residual phase LNAPL, have decreased recently. W41 decreased from 2,600 ug/L in January 2019 to 470 ug/L in July 2023. Well W27 decreased from 5,600 ug/L in July 2020 to 3,000 ug/L in July 2023.
- Well DFOMW11 fluctuates but overall continues its decline in PCP concentration, from 5,800 ug/L in 2014 to 300 in July 2023.

The PCP declines in W10A and W17 are long-term declines that have continued following cessation of WWTP dewatering; therefore, the decreasing PCP concentrations in these wells are not related to changes in groundwater flow due to the WWTP dewatering.

A decline in PCP concentration at well W41 occurred between January 2019 and July 2019, prior to the startup of the WWTP dewatering operations, and has continued following cessation of dewatering. Therefore, this decline is also unrelated to that pumping. A similar decline occurred at well W27 between July 2020 and October 2020. The later decline (Well W27) occurred downgradient of well W41. So, these two declines indicate a significant reduction in PCP concentration in this area and is unrelated to the City's WWTP dewatering operations.

Appendix E includes PCP concentration-distance graphs along each of the four profiles, shown on the map in Figure E-1, to illustrate the concentration decline down the groundwater gradient southeast, east, and northeast of Wauleco and down the centerline of the Site. These concentration-distance graphs for July 2023, added to Figures E-2 through E-5, are consistent with prior years, showing strong concentration declines with distance in

the southeast (Figure E-2) and northeast (Figure E-5). The concentration profiles east of Wauleco, shown on Figures E-3 and E-4, extend across multiple areas of the PCP plume and are, therefore, somewhat complicated. Figures E-6 and E-7 show the concentration-distance graphs along the centerline of the Wauleco Site. Details on these graphs are as follows:

- Figure E-2 shows the concentration-distance profile southeast of Wauleco, from well W41 to W21. This shows that the concentration trend is flat or increasing between wells W41 and W27, in the vicinity where there is residual phase LNAPL present. However, downgradient of well W27 the PCP concentration degrades rapidly to non-detect at well W21.
- Figures E-3 and E-4 show the concentration distance profile east of Wauleco, through wells W22 to W32. Figure E-3 shows the profile for all dates, which is fluctuating due to the variable concentrations at wells W26R and W29R. Figure E-4 shows the same profile for selected dates, when the apparent groundwater flow direction occurs in an easterly direction, so that the concentrations at wells W26R and W29R are not due to southerly flow, causing the PCP concentration to be elevated due to the short flow path from residual phase LNAPL to these wells. This situation is described further under the paragraph titled Wells W26R and W29R.
- Figure E-5 shows the concentration-distance profile northeast of Wauleco, from well DFOMW12 to well W18. This shows the concentration decline with distance from historically over 1,000 ug/L at DFOMW12 (i.e., 2,300 ug/L in July 2018 and 9,500 ug/L in July 2012) down to less than 10 ug/L at well W13, and generally non-detect at well W18. The biodegradation causing the PCP decline between wells is resulting in the decline through time in PCP concentration at DFOMW12 (from 9,500 ug/L in 2012 to 660 ug/L in 2021 and 770 in July 2023).
- Figures E-6 and E-7 show the concentration-distance profile through the centerline of the Site, from upgradient of the Site (at well W72) through W10A. This centerline profile is present under the residual phase LNAPL footprint throughout most of this profile, from W01A, through the pumping wells, W03A, out to well W10A. The main trends on this profile on Figures E6 and E7 are:
  - PCP concentration in groundwater increases near well W01A, reaching a peak near the former source area and pumping wells.
  - PCP in groundwater declines between the center of the Site and W03A.
  - PCP in groundwater historically increased between W03A and W10A.
  - Figure E7 shows this centerline profile for years 2010 and 2018 to 2023. The continuing decreasing PCP concentrations at W10A from 2008 to 2023 (see graph in Appendix C) reaches a tipping point in 2019, from increasing between W03A and W10A (see Figure E6) to flat in 2019, and declining between W03A and W10A in 2020 through 2023.

**3M Wells** – The following discussion of PCP around the 3M wells is consistent with the 2019 through 2022 reports. The distribution of PCP concentrations on Drawing 7 includes several 3M wells north of the Site. As shown on this drawing, there is a lobe of dissolved phase PCP present north of the Site, extending from well W02 through 3M wells DFOMW-12 and DFOMW-11. Based on groundwater flow directions and downgradient groundwater quality, this lobe of PCP is shown to be naturally biodegrading. The bases for this observation are as follows:

- Groundwater flow in this area of PCP between wells W02 and DFOMW-11 (see Drawings 3 and 4) is toward well W28. Historically, well W28 has had PCP concentrations of up to 10,000 ug/L (see 1988 in Appendix C) but declined to non-detect in 2002. Well W28 has stayed at non-detect or very low concentrations since that time. A similar history has occurred at adjacent wells W09 and W18.
- The redox conditions in this area of the PCP plume appear to be more aerobic than the remainder of the plume, based on the presence of nitrate-N and the low concentration of TPH (see Appendix B1) in well W28. Similar redox conditions have been present at adjacent well W18 for the majority of time since 1999 and occasionally at W09. At W28 in 2011, the nitrate-N decreased and TPH increased, indicating somewhat more reducing conditions. This is consistent with the small rise in PCP concentration at W28 in 2011. The cause for these less anaerobic conditions is probably due to a combination of the lower TPH concentrations in this area and the infusion of dissolved oxygen into the plume from the sides of the plume and from surface recharge.
- Based on the groundwater flow directions in this area, the history of redox and PCP concentrations, it appears that biodegradation of PCP is occurring in the area between DFOMW-11 and W28. The biodegradation of PCP in this area would be occurring in the same manner as in the FBR, that is, in an area with some dissolved oxygen.
- The biodegradation shown at downgradient well W28, etc. is also occurring within the upgradient, higher concentration areas (i.e., at wells W02, DFOMW11 and DFOMW12). This is demonstrated by the very distinct decline in PCP in well W02 over its history (from mobile phase LNAPL and PCP concentrations over 10,000 ug/L prior to 2003 to 120 ug/L in 2023). This is supported by the observed declines in PCP at well DFOMW-12 (see time-concentration graphs in Appendix C).

### **Wells W09, W18, and W28**

The PCP concentration at well W18 (<3 ug/L in 2023) continues to be low or non-detect downgradient of significant PCP concentrations. This pattern at W18, and adjacent wells W09 (<3 ug/L in 2023) and W28 (<3 ug/L in 2023), demonstrates the effectiveness of natural attenuation in this area.



**Wells W26R and W29R**

The PCP concentrations for wells W26/W26R and W29/W29R are shown in the following table from 2009 to 2023. These two wells are located near the residual phase LNAPL footprint (see outline of the residual phase LNAPL on Drawing 7 with the PCP isoconcentration map) and PCP concentrations at these wells would reflect the PCP leached from the residual phase LNAPL and the subsequent degradation of PCP that would occur during flow downgradient of the residual phase LNAPL.

<b>Date Sampled</b>	<b>W26/W26R (µg/L)</b>	<b>W29/W29R (µg/L)</b>
July, 2009	190	7.7
July, 2010	2,900	50
July, 2011	1,100	1,700
July, 2012	540	1,800
July, 2013	120	6.4
July, 2014	33	690
July, 2015	2,000	3,300
July, 2016	570	6,600
July, 2017	19	5,100
July, 2018	4.5	1,100
July, 2019	1,800 (W26R)	410 (W29R)
July, 2020	720	1,600
July, 2021	39	78
July, 2022	75	7.2
July, 2023	110	24

Due to the proximity of these wells to the residual phase LNAPL, small changes in groundwater flow directions may result in significant changes in PCP concentrations at these wells. When groundwater flow has a component of north to south flow, the travel time between the residual phase LNAPL and these wells can be small. Therefore, there would be less degradation of PCP, resulting in higher PCP concentrations. When flow is consistently from west to east, the flow line from the residual phase LNAPL to these wells would be much longer, with significant degradation occurring. Under this condition, PCP concentrations would fall.

**Wells W02, W03A, W06R, and W40/W40R** – Concentrations from the wells that had LNAPL removed in 2009 (W02, W03A, W06R, and W40) ranged from 120 ug/L at W02 and W03A to 4,700 ug/L at W40R. Results since 2010 are summarized as follows:

<b>Date</b>	<b>W02</b>	<b>W03A</b>	<b>W06R</b>	<b>W40/W40R</b>
July, 2010	2,500	1,300	4,500	8,100
July, 2011	970	640	3,900	6,400
July, 2012	2,000	800	1,000	10,000
July, 2013	1,700	540	3,300	8,300
July, 2014	3,000	450	1,500	8,500
July, 2015	1,900	380	3,200	6,800
July, 2016	1,500	780	210	9,500

Date	W02	W03A	W06R	W40/W40R
July, 2017	830	680	170	19,000
July, 2018	750	500	97	9,600
July, 2019	260	610	2,400	2,000 (W40R)
July, 2020	360	900	330	4,300
July, 2021	690	210	1,200	3,200
July, 2022	290	130	250	No Sample
July, 2023	120	120	610	4,700

Monitoring wells W02, W03A, W06R, and W40/W40R are within the residual phase LNAPL footprint. Wells W02, W03A, and W06R have not had measurable mobile phase LNAPL since 2010 and all have shown declines in PCP concentrations since 2010. While mobile phase LNAPL was observed in W40R during 2022 and in January 2023, PCP concentrations at W40R have been declining during the last several years.

**Well W36** – PCP concentrations at well W36, located within the central part of the Site, have gone from having mobile LNAPL in the early 1990s, to PCP concentrations greater than 6,000 µg/L in the early 1990s to having <31 µg/L since 2007. The presence of chloroform from at least 1996 through at least 2011 at this well (see data in Appendix B3) probably indicates it has received dilution from the documented water supply lateral leak. The same occurrence of chloroform occurred at well W22 when its PCP declined when the nearby water supply lateral leak occurred in 2010 and 2011. In November 2012 the City Water Utility found and repaired a water lateral leak, characterized as about 10 gpm, at the intersection of Rosecrans Street and First Avenue. This leak could have recharged groundwater at this location or flowed along the water line trench, to recharge at some location along the trench. This water line and trench extends east along Rosecrans Street, between 3M and Wauleco.

- **Naphthalene** –Naphthalene concentrations declined below the NR 140 Enforcement Standard (ES; 100 ug/L) across the Site in 2020 and were less than the ES in 2021 and 2022. Monitoring well W40R had a concentration of 130 ug/L in July 2023 and is the only exceedance of the ES since 2019 (see Drawing 8).
- **TPH** – The areal extent of the total petroleum hydrocarbon (TPH) concentrations in 2023 (see Drawing 9) has a similar distribution as in 2022, except that the extent is decreased in the southeast near W11. TPH was not detected at W11 or W29R, reducing the areal extent of the <0.04 mg/L TPH contour in this area.
- **1,2,4-Trimethylbenzene** – The areal extent for 1,2,4-trimethylbenzene has a similar distribution compared to 2022 (Drawing 10). While the 1,2,4-trimethylbenzene concentration at W27 in 2023 (290 ug/L) was higher than in 2022 (190 ug/L), it has decreased from the concentration observed in 2020 (500 ug/L).
- **Total Xylenes** –The extent of total xylenes across the Site continues to be less than the NR 140 Preventive Action Level (PAL; 400 µg/L) since at least 2019 (Drawing 11).

## SUMMARY AND CONCLUSIONS

Groundwater sampling around the Wauleco Site has generally documented continued decreasing contaminant concentrations in 2023 (refer to graphs in Appendix C illustrating trends in PCP concentrations). In addition to the effectiveness of the groundwater pump and treat system, the current biodegradation rate of PCP and mineral spirits constituents in groundwater is continuing to maintain stable to declining concentrations within the groundwater. This stable to declining trend is being maintained with the lower groundwater extraction rate since 2011.

The declining trends in PCP concentrations are illustrated by the declining trend in most of the time-concentration trend graphs, but is shown collectively on the PCP isoconcentration map (Drawing 7) as the area encompassed by the 3,000 ug/L contour line shrinking through time when compared to maps in prior Annual Groundwater Monitoring Reports. This continued biodegradation has reduced the source area of the northern lobe of PCP such that results from the wells within the source area (i.e., DFOMW11, DFOMW12, and W02) have declined.

Detailed summary and conclusions are organized by LNAPL, groundwater containment, and groundwater quality.

### LNAPL

Apparent LNAPL observed during 2023 on the Site is limited to intermittent presence of LNAPL in three monitoring wells and four extraction wells. The apparent LNAPL is thin, and isolated to very small areas.

### Groundwater Containment

Containment of groundwater on the Wauleco site in 2023 is evident as shown in Drawings 3 and 4 for pumping at approximately 22 gpm, extending at least 150 ft. beyond the downgradient property line.

### Groundwater Quality

The distance concentration graphs for the northeast and southeast profiles (see Figures E-2 and E-5 in Appendix E) continue to show good PCP biodegradation downgradient of the residual phase LNAPL footprint, achieving non-detectable concentrations downgradient.

Wells on the centerline profile distance concentration graph (see Figures E-6 and E-7) underlie the residual phase LNAPL footprint (see Figure E1) from near well W01A to W10A. These figures demonstrate that downgradient of the center of the Site, with the decline in PCP concentration at W10A, that the PCP concentration has shifted from increasing between W03A and W10A in 2018 to a continuous decline from the center of the Site, through W03A to W10A in 2020 through 2023.

The areal distributions of naphthalene, TPH, and 1,2,4 trimethylbenzene are similar to the areal extents in 2022 with minor exceptions. Total xylenes concentrations in groundwater were below the NR 140 PAL across the Site in 2023 and naphthalene concentrations were below the NR 140 ES everywhere except W40R.

## RECOMMENDATIONS

TRC recommends the following:

- Continue operation of the groundwater remediation system without LNAPL recovery.
- Continue to implement the current pumping approach.
- Continue to perform semi-annual groundwater monitoring during 2024.
- Continue the quarterly water level monitoring with preparation of a water table map for the January and July monitoring events.
- Continue the use of absorbent socks in groundwater monitoring wells W07, W35, and W40R (if needed), and extraction wells, if LNAPL is present.

**TABLE 1**

**2023 GROUNDWATER MONITORING PROGRAM  
WAULECO, INC.  
WAUSAU, WISCONSIN**

<b>Well Location</b>	<b>Semi-Annual January</b>	<b>Annual July</b>
W1A	Abandoned	Abandoned
W2		S
W3A	W + M	S + M
W3B		S
W6R	W + M	S + M
W8	W + M	S + M
W9		S
W10A	M + P	S + M
W10B		S
W11	M	S + M
W12	M	S + M
W13	W + M	S + M
W16	M	S + M
W17	W + M	S + M
W18	M	S + M
W19	Abandoned	Abandoned
W21		S
W22	W + M	S + M
W25	W	S
W26R	W + M	S + M
W27	M	S + M
W28	M	S + M
W29R	M	S + M
W32		S
W33	W + M	S + M
W36		S
W39	Abandoned	Abandoned
W40R	W + M	S + M
W41	W + M	S + M
DFOMW5	P	P + V + T
DFOMW11	P	P
DFOMW12	P	P
FP2	M	M
PW17	M	M
W71	P	P + V + T
W72	P	P + V + T
W73	P + M	P + V + T + M
W74	P	P + V + T

**Notes:**

W = Designates well locations to be sampled during the winter sampling round and analyzed for:  
phenolic compounds, nitrate, field pH, and field specific conductance.

S = Designates well locations to be sampled during the summer sampling round and analyzed for:  
phenolic compounds, total petroleum hydrocarbons, naphthalene, xylenes, 1,2,4-trimethylbenzene,  
nitrate, dissolved mercury, field pH, and field specific conductance.

M = Designates well locations to be sampled for MNA parameters:  
dissolved manganese and iron, sulfate, total organic carbon, and total petroleum hydrocarbons.  
field pH, and field specific conductance in the summer and winter sampling rounds.

P = Designates well locations to be sampled for pentachlorophenol.

V = VOC's

T = TPH

Updated : T. Dushek, 11/29/2023

Checked : S. Sellwood, 2/7/2024

**TABLE 2**

**SUMMARY OF 2023 GROUNDWATER SAMPLING LOCATIONS  
WAULECO, INC.  
WAUSAU, WISCONSIN**

<b>Well Location</b>	<b>January 2023</b>	<b>July 2023</b>
W1A	Abandoned	Abandoned
W2		X
W3A	X	X
W3B		X
W6R	X	X
W8	X	X
W9		X
W10A	X	X
W10B		X
W11	X	X
W12	X	X
W13	X	X
W16	X	X
W17	X	X
W18	X	X
W19	Abandoned	Abandoned
W21		X
W22	X	X
W25	X	X
W26R	X	X
W27	X	X
W28	X	X
W29R	X	X
W32		X
W33	X	X
W36		X
W39	Abandoned	Abandoned
W40R	Product	X
W41	X	X
DFOMW5	X	X
DFOMW11	X	X
DFOMW12	X	X
FP2	X	X
PW17	X	X
W71	X	X
W72	X	X
W73	X	X
W74	X	X

Notes:

January 2023 (Winter Sampling Round) samples collected on January 9 - 11, 17, 2023.

July 2023 (Summer Sampling Round) samples collected on July 5, 6, 10, and 11, 2023.

X - indicates groundwater sample obtained and sent to laboratory.

Product - indicates a sample was not collected due to the presence of product in the well.

Updated : T. Dushek, 11/29/2023

Checked : S. Sellwood, 2/7/2024

**TABLE 3**  
**2023 Groundwater Elevation Data**  
**Wauleco, Inc.**  
**Wausau, Wisconsin**

Well No.	Current	January 5, 2023		April 11, 2023		July 3, 2023		October 2, 2023	
	Top of Casing Elevation (ft msl)	Oil Thickness (ft)	Water Table Elevation (ft msl)	Oil Thickness (ft)	Water Table Elevation (ft msl)	Oil Thickness (ft)	Water Table Elevation (ft msl)	Oil Thickness (ft)	Water Table Elevation (ft msl)
PW01	1192.22 <sup>3</sup>	0.00	1162.54	0.00	1163.44	0.00	1164.00	0.00	1163.04
PW02	1197.16	-----	Abandoned	-----	Abandoned	-----	Abandoned	-----	Abandoned
PW03	1190.49	0.00	1162.45	0.00	1163.38	0.00	1163.69	0.00	1162.90
PW3S	1189.55	0.00	1161.54	0.00	1163.24	0.00	1162.98	0.00	1162.18
PW04	1190.52	0.00	1161.40	0.00	1163.16	0.00	1162.80	0.00	1162.03
PW05	1188.48	0.00	1161.48	0.00	1163.16	0.00	1162.81	0.00	1162.05
PW06	1191.97	0.00	1161.90	0.00	1163.31	0.00	1163.20	0.00	1162.36
PW07	1189.82	0.00	1161.63	0.00	1163.18	0.00	1162.92	0.00	1162.15
PW08	1191.84	0.00	1162.81	0.00	1163.59	0.00	1164.15	0.00	1163.27
PW9I	1188.58	-----	-----	-----	-----	-----	-----	-----	-----
PW9O	1189.98	0.00	1161.46	0.00	1163.33	0.00	1162.86	0.00	1162.07
PW10	1191.62	0.00	1161.62	0.00	1163.22	0.00	1163.07	0.00	1162.22
PW11	1188.69	0.00	1160.36	0.00	1162.72	0.00	1161.51	0.00	1160.95
PW12	1192.12	0.00	1162.74	0.00	1163.56	0.00	1164.10	0.00	1163.19
PW13	1192.2	0.00	1161.47	0.00	1163.15	0.00	1162.89	0.00	1162.09
PW14	1188.83	0.00	1160.88	0.00	1163.85	0.00	1162.09	0.00	1162.00
PW15	1189.34	0.00	1160.92	0.00	1163.88	0.00	1162.22	0.00	1162.08
PW16	1191.91	0.00	1159.70	0.00	1160.73	0.01	1161.07	0.01	1159.97
PW17	1191.9	0.00	1157.40	0.00	1160.13	0.00	1160.49	0.00	1158.01
PW18	1190.19	0.00	1161.36	0.00	1163.25	0.00	1162.82	0.00	1162.05
PW19	1190.66	0.00	1160.22	0.00	1161.85	0.00	1161.81	0.00	1161.22
PW20	1191.34	0.00	1159.50	0.37	1162.42	0.01	1161.55	0.01	1159.12
PW21	1190.33	0.00	1159.30	0.07	1161.69	0.00	1161.72	0.00	1160.65
PW22	1192.32	0.00	1161.51	0.00	1163.14	0.00	1162.87	0.00	1161.08
PW23	1189.49	0.00	1161.42	0.00	1163.15	0.00	1162.77	0.00	1161.99
PW24	1188.28	0.00	1159.08	0.00	1161.75	0.00	1161.20	0.00	1160.16
PW25	1189.51	0.00	1156.83	0.00	1161.54	0.00	1159.55	0.00	1156.35
PW26	1188.79	0.00	1159.09	0.00	1161.88	0.00	1159.45	0.01	1159.00
PW27	1188.47	0.00	1154.27	0.00	1161.48	0.00	1158.87	0.00	1157.60
PW28	1193.6	0.00	1162.62	0.00	1163.35	0.00	1163.85	0.00	1163.04
PW29	1193.65	0.00	1162.69	0.00	1163.38	0.00	1163.97	0.00	1163.12
P01	1191.48	0.00	1161.38	0.00	1163.17	0.00	1162.79	0.00	1162.04
OW01	1194.62 <sup>3</sup>	0.00	1163.80	0.00	1164.59	0.00	1165.24	0.00	1164.27
W01A	1194.08	-----	Abandoned	-----	Abandoned	-----	Abandoned	-----	Abandoned
W01B	1194.92	-----	Abandoned	-----	Abandoned	-----	Abandoned	-----	Abandoned
W02	1193.71	0.00	1162.31	0.00	1163.19	0.00	1163.56	0.00	1162.74
W03A	1187.76	0.00	1160.79	0.00	1163.49	0.00	1161.83	0.00	1161.62
W03B	1187.77	0.00	1161.47	0.00	1163.07	0.00	1162.11	0.00	1161.80

**TABLE 3**  
**2023 Groundwater Elevation Data**  
**Wauleco, Inc.**  
**Wausau, Wisconsin**

Well No.	Current	January 5, 2023		April 11, 2023		July 3, 2023		October 2, 2023	
	Top of Casing Elevation (ft msl)	Oil Thickness (ft)	Water Table Elevation (ft msl)	Oil Thickness (ft)	Water Table Elevation (ft msl)	Oil Thickness (ft)	Water Table Elevation (ft msl)	Oil Thickness (ft)	Water Table Elevation (ft msl)
W04A	1192.32	0.00	1162.00	0.00	1163.39	0.00	1163.25	0.00	1162.45
W04B	1192.26	0.00	1161.91	0.00	1163.34	0.00	1163.18	0.00	1162.36
W05	1190.63	0.00	1161.46	0.00	1163.12	0.00	1162.88	0.00	1162.07
W06R	1194.06	0.00	1162.86	0.00	1163.53	0.00	1164.38	0.00	1163.33
W07	1192.37 <sup>3</sup>	0.16	1162.59	0.02	1163.45	0.26	1164.06	0.02	1163.08
W08	1206.73	0.00	1170.37	0.00	1172.84	0.00	1174.51	0.00	1171.47
W09	1172.80	0.00	1161.88	0.00	1163.75	0.00	1162.63	0.00	1162.19
W10A	1182.59	0.00	1160.99	0.00	1163.31	0.00	1160.99	0.00	1160.97
W10B	1182.44	0.00	1161.02	0.00	1162.89	0.00	1161.08	0.00	1161.04
W11	1175.25	0.00	1160.85	0.00	1161.95	0.00	1160.91	0.00	1160.87
W12	1173.95	0.00	1160.51	0.00	1161.33	0.00	1160.55	0.00	1160.53
W13	1188.73	0.00	1161.39	0.00	1163.92	0.00	1161.77	0.00	1161.72
W14	1172.41	0.00	1160.70	0.00	1161.50	0.00	1160.73	0.00	1160.77
W16	1180.60	0.00	1161.55	0.00	1163.04	0.00	1162.17	0.00	1161.75
W17	1187.4	0.00	1160.97	0.00	1163.83	0.00	1162.12	0.00	1162.10
W18	1172.92	0.00	1161.07	0.00	1164.12	0.00	1161.02	0.00	1161.09
W19	1194.26	----	Abandoned	----	Abandoned	----	Abandoned	----	Abandoned
W21	1170.14	0.00	1160.81	0.00	1162.02	0.00	1160.75	0.00	1160.80
W22	1186.01	0.00	1160.81	0.00	1163.02	0.00	1161.78	0.00	1161.35
W23	1171.55	0.00	1160.79	0.00	1161.67	0.00	1160.83	0.00	1160.84
W24A	1171.77	0.00	1160.79	0.00	1161.63	0.00	1160.83	0.00	1160.82
W25	1194.48	0.00	1163.03	0.00	1163.61	0.00	1164.45	0.00	1163.40
W26/W26R	1176.90	0.00	1161.07	0.00	1162.36	0.00	1161.05	0.00	1161.08
W27	1180.19	0.00	1161.23	0.00	1162.72	0.00	1161.77	0.00	1161.51
W28	1174.36	0.00	1161.09	0.00	1164.41	0.00	1161.02	0.00	1161.04
W29/W29R	1172.60	0.00	1160.94	0.00	1162.54	0.00	1160.86	0.00	1160.91
W30	1189.97	0.00	1161.36	0.00	1163.14	0.00	1162.76	0.00	1162.01
W31	1169.67	0.00	1160.95	0.00	1163.09	0.00	1160.83	0.00	1160.89
W32	1169.43	0.00	1160.97	0.00	1163.17	0.00	1160.85	0.00	1160.91
W33	1188.51	0.00	1161.71	0.00	1163.21	0.00	1162.98	0.00	1162.20
W34	1191.16	0.00	1161.63	0.00	1163.10	0.00	1162.92	0.00	1162.12
W35	1191.93	0.11	1161.60	0.60	1163.16	0.17	1163.03	0.00	1162.21
W36	1192.34	0.00	1162.17	0.00	1163.40	0.00	1163.60	0.00	1162.69
W39	1187.78	----	Abandoned	----	Abandoned	----	Abandoned	----	Abandoned
W40/W40R	1180.69	0.14	1160.98	0.00	1162.95	0.00	1161.81	0.00	1161.37
W41	1185.04	0.00	1161.61	0.00	1163.21	0.00	1162.86	0.00	1162.03
W42	1194.61	0.00	1162.28	0.00	1163.46	0.00	1163.65	0.00	1162.75
W44	1190.82	0.00	1161.39	0.00	1163.13	0.00	1162.76	0.00	1162.01



**TABLE 3**  
**2023 Groundwater Elevation Data**  
**Wauleco, Inc.**  
**Wausau, Wisconsin**

Well No.	Current	January 5, 2023		April 11, 2023		July 3, 2023		October 2, 2023	
	Top of Casing Elevation (ft msl)	Oil Thickness (ft)	Water Table Elevation (ft msl)	Oil Thickness (ft)	Water Table Elevation (ft msl)	Oil Thickness (ft)	Water Table Elevation (ft msl)	Oil Thickness (ft)	Water Table Elevation (ft msl)
W45	1190.69	0.00	1161.43	0.00	1163.81	0.00	1163.21	0.00	1162.31
W46	1191.49	0.00	1161.20	0.00	1162.92	0.00	1162.60	0.00	1161.82
W47	1189.37	0.00	1160.37	0.00	1162.77	0.00	1161.57	0.00	1160.96
W48	1189.7	0.00	1160.47	0.00	1163.30	0.00	1161.75	0.00	1161.46
W49	1189.2	0.00	1160.93	0.00	1163.95	0.00	1162.28	0.00	1162.13
W66	1192.41	0.00	1162.78	0.00	1163.58	0.00	1164.15	0.00	1163.22
W67	1191.85	0.00	1162.75	0.00	1163.57	0.00	1164.11	0.00	1163.19
W68A	1190.94	0.00	1162.79	0.00	1163.48	0.00	1164.16	0.00	1163.24
W68B	1191.42	0.00	1162.72	0.00	1163.54	0.00	1164.05	0.00	1163.14
W69	1192.23	0.00	1161.73	0.00	1163.19	0.00	1163.12	0.00	1162.26
W70B	1200.29	-----	Abandoned	-----	Abandoned	-----	Abandoned	-----	Abandoned
River	1164.19	-----	-----	-----	-----	-----	-----	-----	-----
IW01	1190.8	0.00	1161.43	0.00	1163.10	0.00	1162.87	0.00	1162.05
IW01A	1190.74	0.00	1161.42	0.00	1163.14	0.00	1162.84	0.00	1162.05
FP01	1188.04	0.00	1159.62	0.00	1162.60	0.00	1160.94	0.00	1160.29
FP02	1187.6	0.00	1160.00	0.00	1162.32	0.00	1161.12	0.00	1160.65
FP03	1186.66	0.03	1158.75	0.00	1161.41	0.00	1160.58	0.00	1159.10
FP04	1188.29	0.00	1159.86	0.00	1162.40	0.00	1160.85	0.00	1160.55
3M Basin		-----	Water/Ice in both Basins	-----	Water in both Basins	-----	Water in both Basins	-----	Water in both Basins
DFOWM 5	1188.3	0.00	1162.40	-----	-----	0.00	1163.62	-----	-----
DFOWM 9	1187.56	-----	Abandoned	-----	Abandoned	-----	Abandoned	-----	Abandoned
DFOWM 10A	1187.7	-----	Abandoned	-----	Abandoned	-----	Abandoned	-----	Abandoned
DFOWM 11	1188.8	0.00	1161.62	-----	-----	0.00	1161.94	-----	-----
DFOWM 12	1187.78	0.00	1162.46	-----	-----	0.00	1163.42	-----	-----
W71	1191.95	0.00	1164.55	0.00	1164.68	0.00	1166.44	0.00	1165.27
W72	1190.97	0.00	1163.14	0.00	1163.80	0.00	1164.81	0.00	1163.67
W73	1192.20	0.00	1162.24	0.00	1163.42	0.00	1163.48	0.00	1162.65
W74	1183.13	0.00	1161.87	0.00	1163.38	0.00	1162.84	0.00	1162.19

**Notes:**

1. ft msl = feet mean sea level
2. PW90 denotes the outer well and PW91 denotes the inner well
3. Re-surveyed after Soil Mound removal in 2015

Updated : T. Dushek, 11/29/2023

Checked : S. Sellwood, 2/6/2024

TABLE 4a

**2023 Winter Groundwater Monitoring Analytical Results  
January 9- 11, 17, 2023  
Wauleco, Inc. - Wausau Facility  
Wausau, Wisconsin**

Sample ID	ES	PAL	W03A	W06R	W08	W10A	W10A Duplicate	W11	W12	W13	W16	W17	W18	W22	W25	W26R	W27
<b>Indicators</b>																	
Total sulfate (mg/L)	250	125	3.6	20	22	4.6	4.8	7.6	23	13	22	5.1	8	4.5		5.8	7.5
Nitrate nitrogen (mg/L)	10	2	<0.12	0.59	<b>5.1</b>					1.0		<0.12		<0.12	<b>6.1</b>	0.22	
Total organic carbon (mg/L)	None	None	4.6	9.5	0.87	6.1	5.9	0.8	0.99	1.1	1.5	2	0.49	10		3.3	16
Dissolved iron	300	150	<b>1,530</b>	<27	<27	<b>2,580</b>	<b>2,570</b>	<27	<27	51.6	<27	<b>437</b>	<27	<b>413</b>		114	<b>7,100</b>
Dissolved manganese	50	25	<b>894</b>	<b>1,340</b>	<1.2	<b>3,670</b>	<b>3,660</b>	<b>578</b>	<1.2	2.8	<1.2	<b>434</b>	2.1	<b>5,220</b>		<b>196</b>	<b>17,000</b>
TPH as mineral spirits (ug/L)	None	None	1,800	3,000	<34	640	620	72	<33	<31	<31	890	<33	1,700		42	1,600
<b>Phenols</b>																	
2,3,4,6-Tetrachlorophenol	None	None	3.4	110	<3.0					<3.0		2		300	<3.0	4.4	
2,4,5-Trichlorophenol	None	None	<3.0	<3.0	<3.0					<3.0		<3.0		<3.0	<3.0	<3.0	
2,4,6-Trichlorophenol	None	None	<3.0	<3.0	<3.0					<3.0		<3.0		<3.0	<3.0	<3.0	
2,4-Dichlorophenol	None	None	<3.0	<3.0	<3.0					<3.0		<3.0		<3.0	<3.0	<3.0	
2,4-Dimethylphenol	None	None	<3.0	<3.0	<3.0					<3.0		<3.0		<3.0	<3.0	<3.0	
2,4-Dinitrophenol	None	None	<3.0 Q	<3.0	<3.0 Q					<3.0		<3.0 Q		<3.0	<3.0 Q	<3.0 Q	
2,6-Dichlorophenol	None	None	<3.0	<3.0	<3.0					<3.0		<3.0		<3.0	<3.0	<3.0	
2-Chlorophenol	None	None	<3.0	<3.0	<3.0					<3.0		<3.0		<3.0	<3.0	<3.0	
2-Methylphenol	None	None	<3.0	<3.0	<3.0					<3.0		<3.0		<3.0	<3.0	<3.0	
2-Nitrophenol	None	None	<3.0	<3.0	<3.0					<3.0		<3.0		<3.0	<3.0	<3.0	
3- and 4-Methylphenol	None	None	<3.0	<3.0	<3.0					<3.0		<3.0		<3.0	<3.0	<3.0	
4,6-Dinitro-2-methylphenol	None	None	<3.0	<3.0	<3.0					<3.0		<3.0		<3.0	<3.0	<3.0	
4-Chloro-3-methylphenol	None	None	<3.0	<3.0	<3.0					<3.0		<3.0		<3.0	<3.0	<3.0	
4-Nitrophenol	None	None	<3.0	<3.0	<3.0					<3.0		<3.0		<3.0	<3.0	<3.0	
Pentachlorophenol	1	0.1	<b>69</b>	<b>2,600</b>	<3.0	<b>65</b>	<b>60</b>			<3.0		<b>190</b>		<b>4,400</b>	<b>2.7</b>	<b>51</b>	
Phenol	6,000	1,200	<3.0	<3.0	<3.0					<3.0		<3.0		<3.0	<3.0	<3.0	
<b>Total Phenols</b>			<b>72.4</b>	<b>2,710</b>	<b>0</b>	<b>65</b>	<b>60</b>	<b>-</b>	<b>-</b>	<b>0</b>	<b>-</b>	<b>192</b>	<b>-</b>	<b>4,700</b>	<b>2.7</b>	<b>55.4</b>	<b>-</b>

NOTES:  
 Units are in µg/L unless otherwise noted.  
 Bold values indicate value above the PAL.  
 Bold and boxed values indicate value above the ES.  
**B** = Analyte detected in the associated Method Blank  
**J** = estimated value.  
**Q** = laboratory control sample outside acceptance limits.  
**M** = matrix spike and/or spike duplicate recovery outside acceptance limits.  
**V** = raised Quantitation or Reporting Limit due to limited sample amount or dilution for matrix background interference.  
**Y** = replicate/duplicate precision outside acceptance limits.

By: T. Dushek 3/13/2023  
 Checked by: A. Voit 10/12/2023

TABLE 4a

**2023 Winter Groundwater Monitoring Analytical Results**  
**January 9- 11, 17, 2023**  
**Wauleco, Inc. - Wausau Facility**  
**Wausau, Wisconsin**

Sample ID	ES	PAL	W27 Duplicate	W28	W29R	W33	W41	DFOMW5	DFOMW11	DFOMW11 Duplicate	DFOMW12	FP2	PW17	W71	W72	W73	W74	Equipment Blank
<b>Indicators</b>																		
Total sulfate (mg/L)	250	125	7.5	14	6	10	4.1					1.6	13			26		<0.80
Nitrate nitrogen (mg/L)	10	2				0.32	0.16											<0.12
Total organic carbon (mg/L)	None	None	16	<0.4	4.7	4.7	24					6.9	14			1.1		<0.40
Dissolved iron (mg/L)	300	150	<b>6,850</b>	<27	44.4	<b>2,200</b>	<b>17,900</b>					<b>16,900</b>	<b>8,460</b>			<b>538</b>		<27
Dissolved manganese (mg/L)	50	25	<b>16,700</b>	1.3	<b>108</b>	<b>2,230</b>	<b>27,900</b>					<b>7,210</b>	<b>2,380</b>			<b>36.8</b>		<1.2
TPH as mineral spirits (ug/L)	None	None	2,200	<32	<32	6,000	1,700					2,400	230			<33		<32
<b>Phenols</b>																		
2,3,4,6-Tetrachlorophenol	None	None				390	33											<3.0
2,4,5-Trichlorophenol	None	None				<3.0	<3.0											<3.0
2,4,6-Trichlorophenol	None	None				<3.0	<3.0											<3.0
2,4-Dichlorophenol	None	None				<3.0	<3.0											<3.0
2,4-Dimethylphenol	None	None				<3.0	<3.0											<3.0
2,4-Dinitrophenol	None	None				<3.0	Q <3.0											<3.0
2,6-Dichlorophenol	None	None				<3.0	<3.0											<3.0
2-Chlorophenol	None	None				<3.0	<3.0											<3.0
2-Methylphenol	None	None				<3.0	<3.0											<3.0
2-Nitrophenol	None	None				<3.0	<3.0											<3.0
3- and 4-Methylphenol	None	None				<3.0	<3.0											<3.0
4,6-Dinitro-2-methylphenol	None	None				<3.0	<3.0											<3.0
4-Chloro-3-methylphenol	None	None				<3.0	<3.0											<3.0
4-Nitrophenol	None	None				<3.0	<3.0											<3.0
Pentachlorophenol	1	0.1				<b>3,400</b>	<b>800</b>	<3.0	<b>280</b>	<b>270</b>	<b>1,400</b>			<3.0	<3.0	<3.0	<3.0	<3.0
Phenol	6,000	1,200				<3.0	<3.0											<3.0
<b>Total Phenols</b>			-	-	-	<b>3,790</b>	<b>833</b>	<b>0</b>	<b>280</b>	<b>270</b>	<b>1,400</b>	-	-	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

NOTES:  
 Units are in µg/L unless otherwise noted.  
 Bold values indicate value above the PAL.  
 Bold and boxed values indicate value above the ES.  
**B** = Analyte detected in the associated Method Blank  
**J** = estimated value.  
**Q** = laboratory control sample outside acceptance limits.  
**M** = matrix spike and/or spike duplicate recovery outside acceptance limits.  
**V** = raised Quantitation or Reporting Limit due to limited sample amount or dilution for matrix background interference.  
**Y** = replicate/duplicate precision outside acceptance limits.

By: T. Dushek 3/13/2023  
 Checked by: A. Voit 10/12/2023

TABLE 4b

2023 Summer Groundwater Monitoring Analytical Results  
 July 5, 6, 10, 11, 2023  
 Wauleco, Inc. - Wausau Facility  
 Wausau, Wisconsin

Sample ID	ES	PAL	W02	W02 Duplicate	W03A	W03B	W06R	W06R Duplicate	W08	W09	W10A	W10A Duplicate	W10B	W11	W12	W13	W16	W17	W18	W21	W22	
<b>Indicators</b>																						
Total sulfate (mg/L)	250	125			17		38	32	15		6.4	6.5		11	20	46	19	24	11		7.7	
Nitrate nitrogen (mg/L)	10	2	<b>3.1</b>	<b>4.1</b>	<0.12	<b>3.5</b>	<b>2</b>	1.7	<b>3.9 H</b>	<0.12	<0.12	<0.12	0.36	<b>3.4</b>	<b>6.8</b>	<b>2.2</b>	<b>4.9</b>	<0.12	1.5	<b>2</b>	0.39	
Total organic carbon (mg/L)	None	None			6.2		3.1	3.4	1.8		5.9	6.5		0.87 Y	<0.4	1.3	2.4	1.5	0.43		6.5	
Dissolved iron	300	150			<b>4,340</b>		<25	<25	43.2		<b>2,750</b>	<b>3,140</b>		<25	<25	<25	33	<b>471</b>	<25		44.9	
Dissolved manganese	50	25			<b>3,470</b>		<b>442</b>	<b>359</b>	<2.4		<b>3,700</b>	<b>3,660</b>		<b>159</b>	<2.4	<2.4	6.8	<b>765</b>	<2.4		<b>3,610</b>	
Dissolved mercury	2	0.2	<0.020	0.026	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
TPH as mineral spirits	None	None	3,000	2,100	28,000	<32	370	460	<32	78	1,300	1,400	44	<33	<32	<32	<33	1,500	<34	<37	1,300	
<b>Phenols</b>																						
2,3,4,6-Tetrachlorophenol	None	None	7.4	7.4	<3.0	<3.0	33	40	<3.0	<3.0	4.9	6.1	0.78	7.5	<3.0	<3.0	<3.0	1.3	<3.0	<3.0	<3.0	180
2,4,5-Trichlorophenol	None	None	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	5.9	6.7	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
2,4,6-Trichlorophenol	None	None	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
2,4-Dichlorophenol	None	None	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
2,4-Dimethylphenol	None	None	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
2,4-Dinitrophenol	None	None	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
2,6-Dichlorophenol	None	None	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
2-Chlorophenol	None	None	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
2-Methylphenol	None	None	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
2-Nitrophenol	None	None	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
3- and 4-Methylphenol	None	None	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
4,6-Dinitro-2-methylphenol	None	None	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
4-Chloro-3-methylphenol	None	None	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
4-Nitrophenol	None	None	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Pentachlorophenol	1	0.1	<b>120</b>	<b>110</b>	<b>120</b>	<b>2.4</b>	<b>610</b>	<b>660</b>	<3.0	<3.0	<b>84</b>	<b>120</b>	<b>5.9</b>	<b>120</b>	<3.0	<3.0	<3.0	<b>31</b>	<3.0	<3.0	<b>2,600</b>	
Phenol	2,000	400	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	
<b>Total Phenols</b>			<b>127.4</b>	<b>117.4</b>	<b>120</b>	<b>2.4</b>	<b>643</b>	<b>700</b>	<b>0</b>	<b>0</b>	<b>94.8</b>	<b>132.8</b>	<b>6.68</b>	<b>127.5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>32.3</b>	<b>0</b>	<b>0</b>	<b>2,780</b>	
<b>Volatile Organics</b>																						
1,2,4-Trimethylbenzene	480 A	96 A	<b>580</b>	<b>560</b>	<b>590</b>	<0.91	75	64	<0.91	<0.91	<b>650</b>	<b>740</b>	1	<0.91	<0.91	<0.91	<0.91	49	<0.91	<0.91	<b>330</b>	
Naphthalene	100	10	<b>57</b>	<b>63</b>	<b>30</b>	<1.1	<5.5	<5.5	<1.1	<1.1	<22	<22	<1.1	<1.1	<1.1	<1.1	<1.1	6.4	<1.1	<1.1	<b>19</b>	
m & p-Xylene	2,000C	400C	<40	<40	<40	<2	<10	<10	<2	<2	<40	<40	<2	<2	<2	<2	<2	<2	<2	<2	<b>20</b>	
o-Xylene	2,000C	400C	62	59	68	<1.1	8.7	7.6	<1.1	<1.1	25	28	<1.1	<1.1	<1.1	<1.1	<1.1	5.5	<1.1	<1.1	120	
<b>Total VOCs</b>			<b>699</b>	<b>682</b>	<b>688</b>	<b>0</b>	<b>83.7</b>	<b>71.6</b>	<b>0</b>	<b>0</b>	<b>675</b>	<b>768</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>60.9</b>	<b>0</b>	<b>0</b>	<b>489</b>	

NOTES:  
 Units are in µg/L unless otherwise noted.  
 Bold values indicate value above the PAL.  
 Bold and boxed values indicate value above the ES.  
 A = ES and PAL for Trimethylbenzenes (1,2,4- and 1,3,5-combined).  
 B = Analyte detected in the associated Method Blank.  
 C = ES and PAL for Xylene includes meta-, ortho-, and para-xylene.  
 Q = laboratory control sample outside acceptance limits.  
 H = analyte hold time exceeded.  
 M = matrix spike and/or spike duplicate recovery outside acceptance limits.  
 Y = replicate/duplicate precision outside acceptance limits.

By: T. Dushek 8/4/2023  
 Checked by: A. Voit 10/12/2023

TABLE 4b

**2023 Summer Groundwater Monitoring Analytical Results  
July 5, 6, 10, 11, 2023  
Wauleco, Inc. - Wausau Facility  
Wausau, Wisconsin**

Sample ID	ES	PAL	W25	W26R	W27	W28	W29R	W32	W33	W36	W40R	W41	FP2	PW17	Field Blank 01	DFOMW5	DFOMW11	DFOMW12	DFOMW12 Duplicate	W71	W72	W73	W74
<b>Indicators</b>																							
Total sulfate (mg/L)	250	125		14	15	11	4.1		9.5		9.7	4	2.1	10	<0.80							16	
Nitrate nitrogen (mg/L)	10	2	<b>6.8</b>	0.63	<0.12	<b>2.7</b>	<0.12	<0.12	<0.12	7	<0.12	<0.12			<0.12							<b>5.3</b>	
Total organic carbon (mg/L)	None	None		2.7	40	<0.4	4.9		5.8		11	16	6.2	3.7	<0.4							2.4	
Dissolved iron	300	150		<25	<b>9,190</b>	<25	81.9		<b>888</b>		<b>4,250</b>	<b>11,900</b>	<b>18,400</b>	<b>2,310</b>	<25							<25	
Dissolved manganese	50	25		<b>1,420</b>	<b>18,900</b>	2.4	<b>86.6</b>		<b>1,930</b>		<b>8,160</b>	<b>24,100</b>	<b>7,680</b>	<b>3,070</b>	<2.4							10.2	
Dissolved mercury	2	0.2	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.026	<0.020	<0.020	<0.020			<0.020							<0.020	
TPH as mineral spirits	None	None	<32	44	3,400	<32	<32	<32	2,200	<32	32,000	1,500	1,900	660	<32	51				<32	<32	<32	<32
<b>Phenols</b>																							
2,3,4,6-Tetrachlorophenol	None	None	<3.0	6.5	150	<3.0	4.6	<3.0	640	<3.0	370	27			<3.0								
2,4,5-Trichlorophenol	None	None	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<3.0								
2,4,6-Trichlorophenol	None	None	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<3.0								
2,4-Dichlorophenol	None	None	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<3.0								
2,4-Dimethylphenol	None	None	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<3.0								
2,4-Dinitrophenol	None	None	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<3.0								
2,6-Dichlorophenol	None	None	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<3.0								
2-Chlorophenol	None	None	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<3.0								
2-Methylphenol	None	None	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<3.0								
2-Nitrophenol	None	None	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<3.0								
3- and 4-Methylphenol	None	None	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<3.0								
4,6-Dinitro-2-methylphenol	None	None	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<3.0								
4-Chloro-3-methylphenol	None	None	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<3.0								
4-Nitrophenol	None	None	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<3.0								
Pentachlorophenol	1	0.1	<b>2.3</b>	<b>110</b>	<b>3,000</b>	<3.0	<b>24</b>	<3.0	<b>4,000</b>	<b>3.1</b>	<b>4,700</b>	<b>470</b>			<b>3.2</b>	<3.0	<b>300</b>	<b>770</b>	<b>870</b>	<3.0	<3.0	<3.0	<3.0
Phenol	2,000	400	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<3.0								
<b>Total Phenols</b>			<b>2.3</b>	<b>116.5</b>	<b>3,150</b>	<b>0</b>	<b>28.6</b>	<b>0</b>	<b>4,640</b>	<b>3.1</b>	<b>5,070</b>	<b>497</b>	-	-	<b>3.2</b>	<b>0</b>	<b>300</b>	<b>770</b>	<b>870</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Volatile Organics</b>																							
1,2,4-Trimethylbenzene	480 A	96 A	<0.91	1.5	<b>290</b>	<0.91	<0.91	<0.91	<b>200</b>	<0.91	<b>1,200</b>	<b>170</b>			<0.91	<0.91				<0.91	<0.91	<0.91	<0.91
Naphthalene	100	10	<1.1	<1.1	<b>46</b>	<1.1	<1.1	<1.1	<b>12</b>	<1.1	<b>130</b>	<b>14</b>			<1.1	2.1				<1.1	<1.1	<1.1	<1.1
m & p-Xylene	2,000C	400C	<2	<2	<20	<2	<2	<2	13	<2	57	<20			<2					<2	<2	<2	<2
o-Xylene	2,000C	400C	<1.1	<1.1	63	<1.1	<1.1	<1.1	68	<1.1	280	21			<1.1	<1.1				<1.1	<1.1	<1.1	<1.1
<b>Total VOCs</b>			<b>0</b>	<b>1.5</b>	<b>399</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>293</b>	<b>0</b>	<b>1,667</b>	<b>205</b>	-	-	<b>0</b>	<b>2.1</b>	-	-	-	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

NOTES:  
 Units are in µg/L unless otherwise noted.  
 Bold values indicate value above the PAL.  
 Bold and boxed values indicate value above the ES.  
 A = ES and PAL for Trimethylbenzenes (1,2,4- and 1,3,5-combined).  
 B = Analyte detected in the associated Method Blank.  
 C = ES and PAL for Xylene includes meta-, ortho-, and para-xylene.  
 Q = laboratory control sample outside acceptance limits.  
 H = analyte hold time exceeded.  
 M = matrix spike and/or spike duplicate recovery outside acceptance limits.  
 Y = replicate/duplicate precision outside acceptance limits.

By: T. Dushek 8/4/2023  
 Checked by: A. Voit 10/12/2023

**TABLE 5****2023 Groundwater Treatment Removal of Pentachlorophenol (PCP)****Wauleco, Inc.  
Wausau, Wisconsin**

Year	Month	Avg Extracted GPM <sup>(1)</sup>	Total Gallons ( <sup>1</sup> )	PCP Conc 1 (ug/L)	PCP Conc 2 (ug/L)	PCP Conc 3 (ug/L)	PCP Conc 4 (ug/L)	PCP Conc 5 (ug/L)	System	
									Influent Avg PCP Conc. (ug/L)	Effluent Avg PCP Conc. (ug/L)
2023	January	21.28	949,736	4,368	4,260	5,203	3,891		4,431	2.97
	February	21.59	870,346	3,882	4,197	5,695	8,526		5,575	4.89
	March	20.45	913,089	8,532	8,088	7,834	7,001	7,802	7,851	5.68
	April	21.38	923,815	5,499	5,651	5,103	5,482		5,434	4.37
	May	22.36	754,617	6,621	4,411	7,143			6,058	4.31
	June	22.64	978,087	6,669	5,130	5,161	5,681	7,299	5,988	3.23
	July	21.06	940,299	6,442	5,823	5,274	5,952		5,873	2.74
	August	21.91	978,208	6,228	4,537	4,693	5,048	4,421	4,985	1.52
	September	22.33	964,445	4,696	4,388	3,861	4,122		4,267	7.20
	October	22.24	992,958	4,248	5,412	5,297	3,933		4,723	1.52
	November	21.73	938,844	4,056	4,697	4,905	4,796	5,235	4,738	1.90
	December	21.88	976,717	4,418	3,703	4,298	4,731		4,288	2.16
Total Discharged to POTW			11,181,161 gallons	Annual Average					5,351	3.54

Total for Year 2023 11,181,161 gallons

Pounds of PCP treated = 499 pounds

**NOTES:**

0.264 gallons = 1 liter.

453.6 grams = 1 pound.

PCP = pentachlorophenol.

PCP concentrations from weekly field samples (PCP Conc 1=week 1, etc.) taken of fluidized bed reactor (FBR) influent (Table 1 of Quarterly Reports).

Effluent average PCP concentrations calculated from field sample results taken of system effluent (Table 1 of Quarterly Reports).

gpm = gallons per minute.

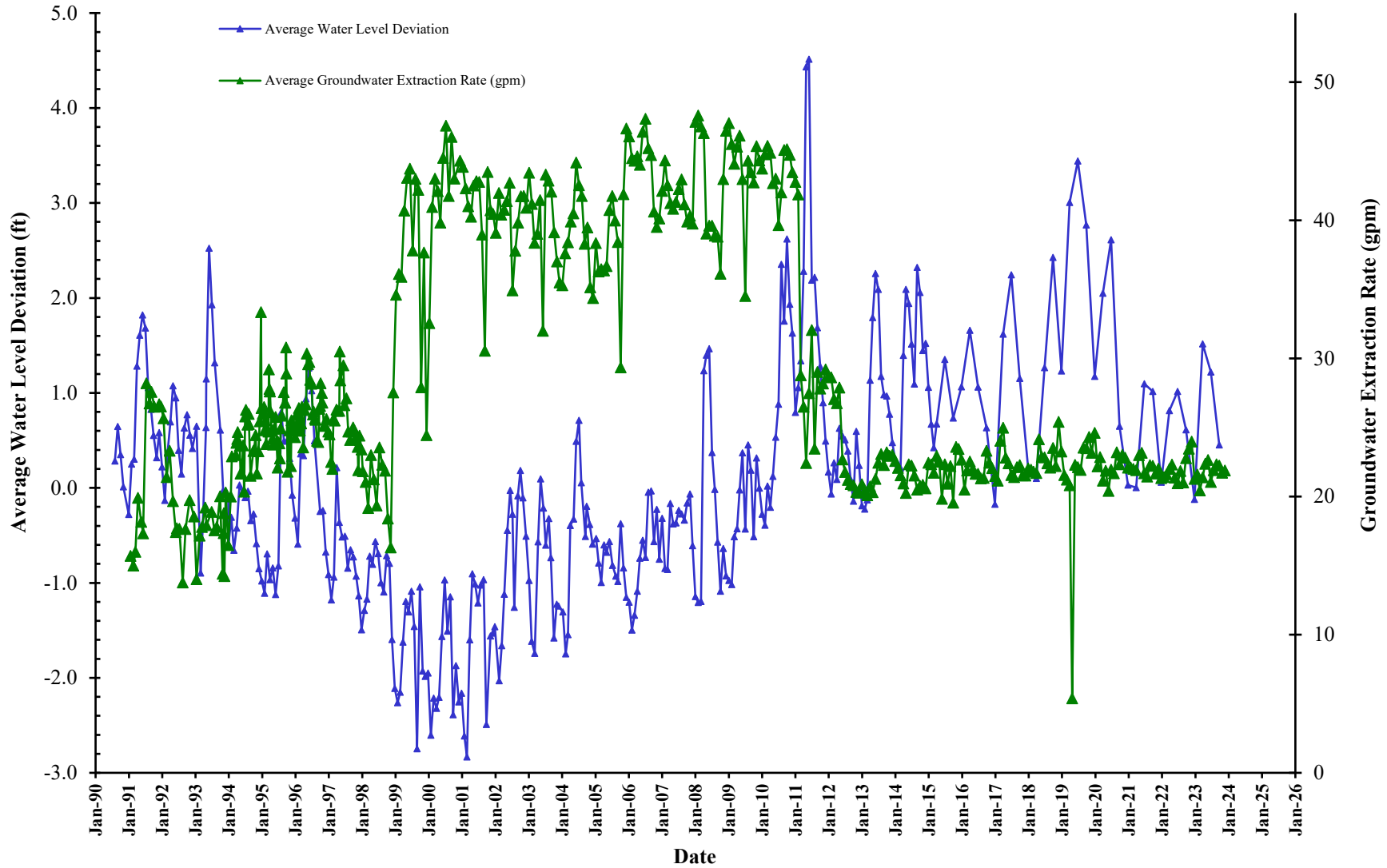
**FOOTNOTES:**<sup>(1)</sup> Values from Table 2 of Quarterly Reports.

Prepared by: T. Dushek, 1/15/2024

Checked by: S. Sellwood, 2/6/2024

FIGURE 1

Average Groundwater Extraction Rates and Water Level Deviation Versus Time  
Wauleco, Inc.  
Wausau, WI

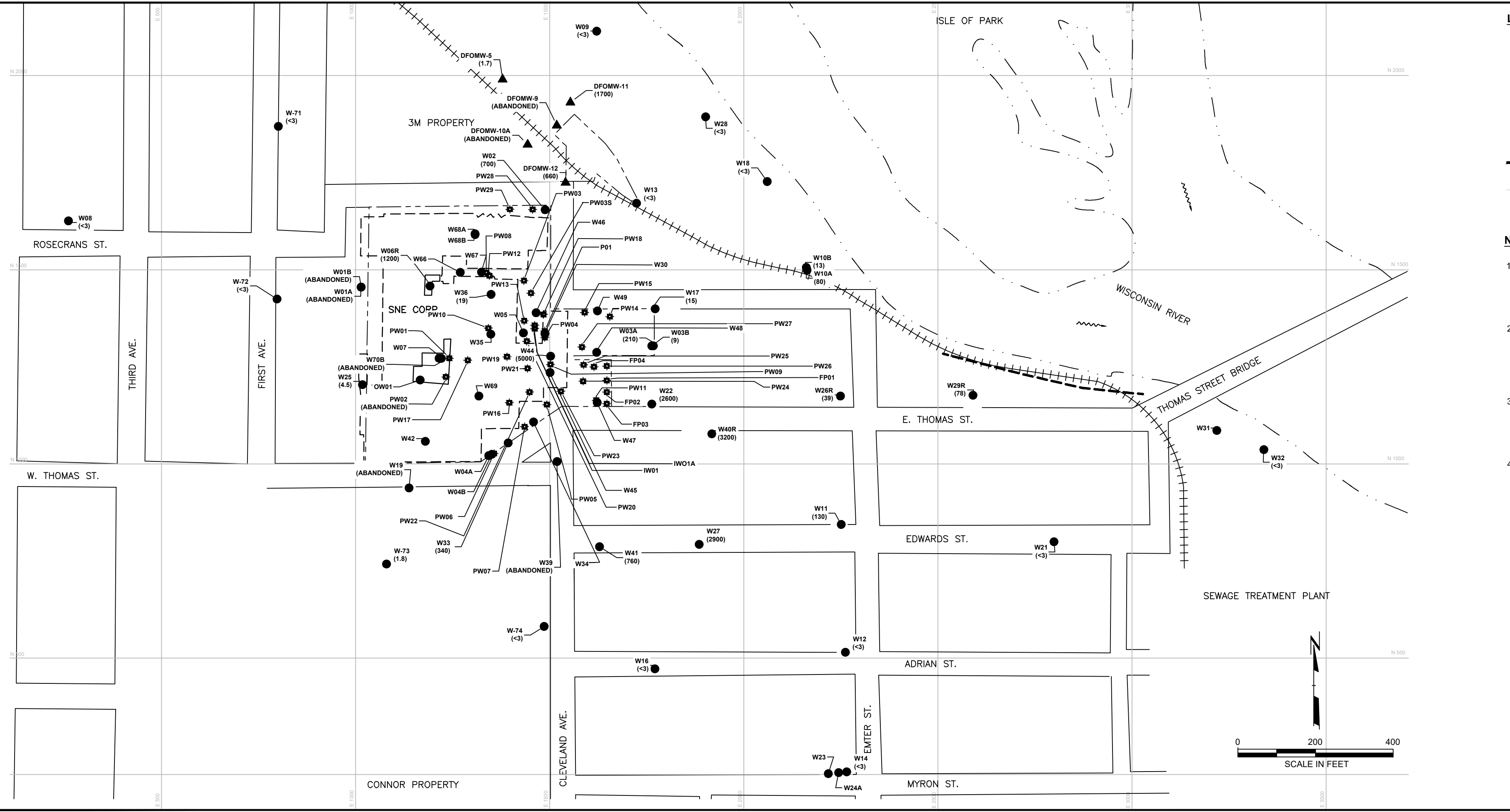


**Note:** The Average Groundwater Extraction Rate is a monthly average of the flow into the treatment system. The monthly average POTW discharge is less than the total extraction rate during the PPT pilot test due to the injection of treated water into IW01.





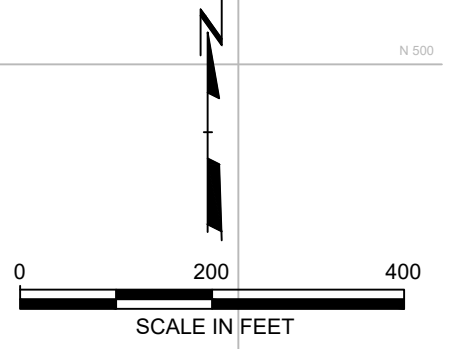
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 Version: 2017.10.21




**LEGEND**

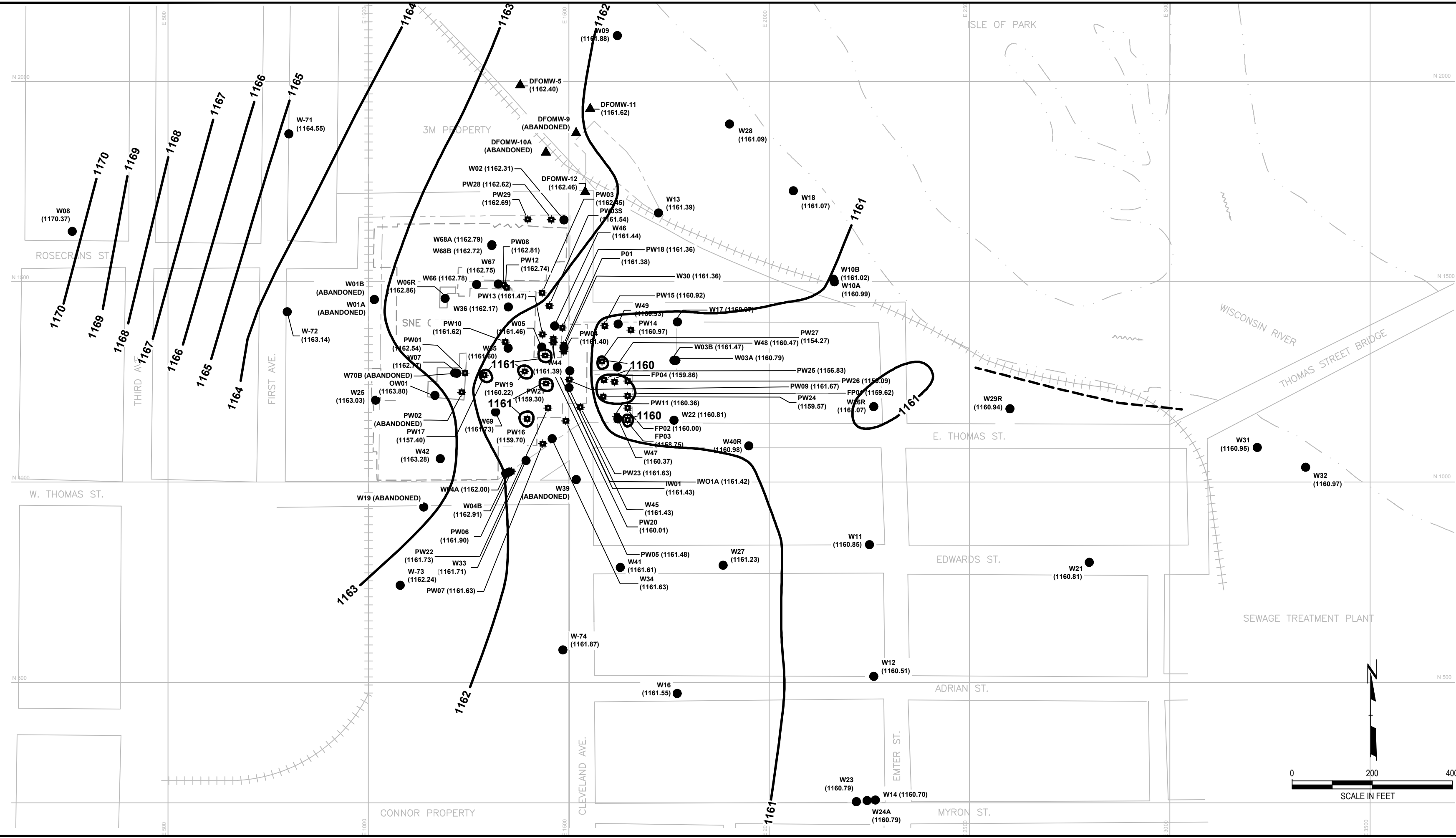
- W7 ● MONITORING WELL LOCATION AND NUMBER
- PW12 ■ EXTRACTION WELL LOCATION AND NUMBER
- DFOMW-9 ▲ (3M) GROUNDWATER MONITORING WELL AND NUMBER
- APPROXIMATE PROPERTY LINE
- FORMER BUILDING OUTLINE
- APPROXIMATE LOCATION OF SHEET PILE WALL

- NOTES**
1. WAULECO WELLS PW02 AND W70B WERE ABANDONED ON 7/21/16 DURING SOIL MOUND REMOVAL ACTIVITIES BY TRC. 3M WELLS DFOMW9 AND DFOMW10A WERE ABANDONED BY 3M IN THE SUMMER OF 2015.
  2. WAULECO WELLS W19 AND W39 WERE ABANDONED ON 3/28/19 PRIOR TO THOMAS STREET RECONSTRUCTION. WELLS W26, W29, AND W40 WERE ALSO ABANDONED ON 3/28/19, WITH REPLACEMENT WELLS W26R, W29R, AND W40R INSTALLED ON 6/24/19.
  3. THE CITY OF WAUSAU INSTALLED A STEEL SHEET PILING WALL IN 2020 TO REPLACE A ROCK WALL ON THE WISCONSIN RIVER BANK LOCATED WEST OF THE THOMAS STREET BRIDGE.
  4. WAULECO WELLS W1A AND W1B WERE ABANDONED ON 6/29/21 AND 6/30/21 DUE TO THE RAILROAD PROPERTY TRANSFER TO 3M.



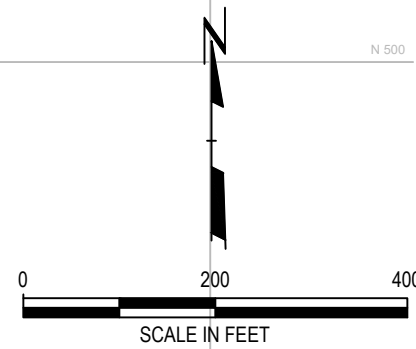
PROJECT:		<b>WAULECO, INC.</b>	
		<b>ANNUAL GROUNDWATER MONITORING REPORT</b>	
		<b>WAUSAU, WISCONSIN</b>	
TITLE:			
<b>SITE FEATURES MAP</b>			
DRAWN BY:	T. FIEBRANZ	PROJ NO.:	189597.0013
CHECKED BY:	T. DUSHEK	<b>DRAWING 2</b>	
APPROVED BY:	S. SELLWOOD		
DATE:	MARCH 2024		
		999 Fourier Drive	
		Suite 101 Madison, WI 53717 Phone: 608.826.3600	
FILE NO.:		189597.0013.02 SF.dwg	

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 DRAWING NAME: J:\Baume\189597 - Annual 2024\0013.04.WT.WJAN23.dwg  
 Version: 2017.10.21



- LEGEND**
- W17 ● (1162.42) MONITORING WELL LOCATION, NUMBER AND WATER TABLE ELEVATION
  - PW12 ■ (1164.12) EXTRACTION WELL LOCATION, NUMBER AND WATER TABLE ELEVATION
  - APPROXIMATE PROPERTY LINE
  - - - - - FORMER BUILDING OUTLINE
  - 1161— WATER TABLE ELEVATION CONTOUR
  - DFOMW-5 ▲ 3M GROUNDWATER MONITORING WELL
  - - - - - APPROXIMATE LOCATION OF SHEET PILE WALL

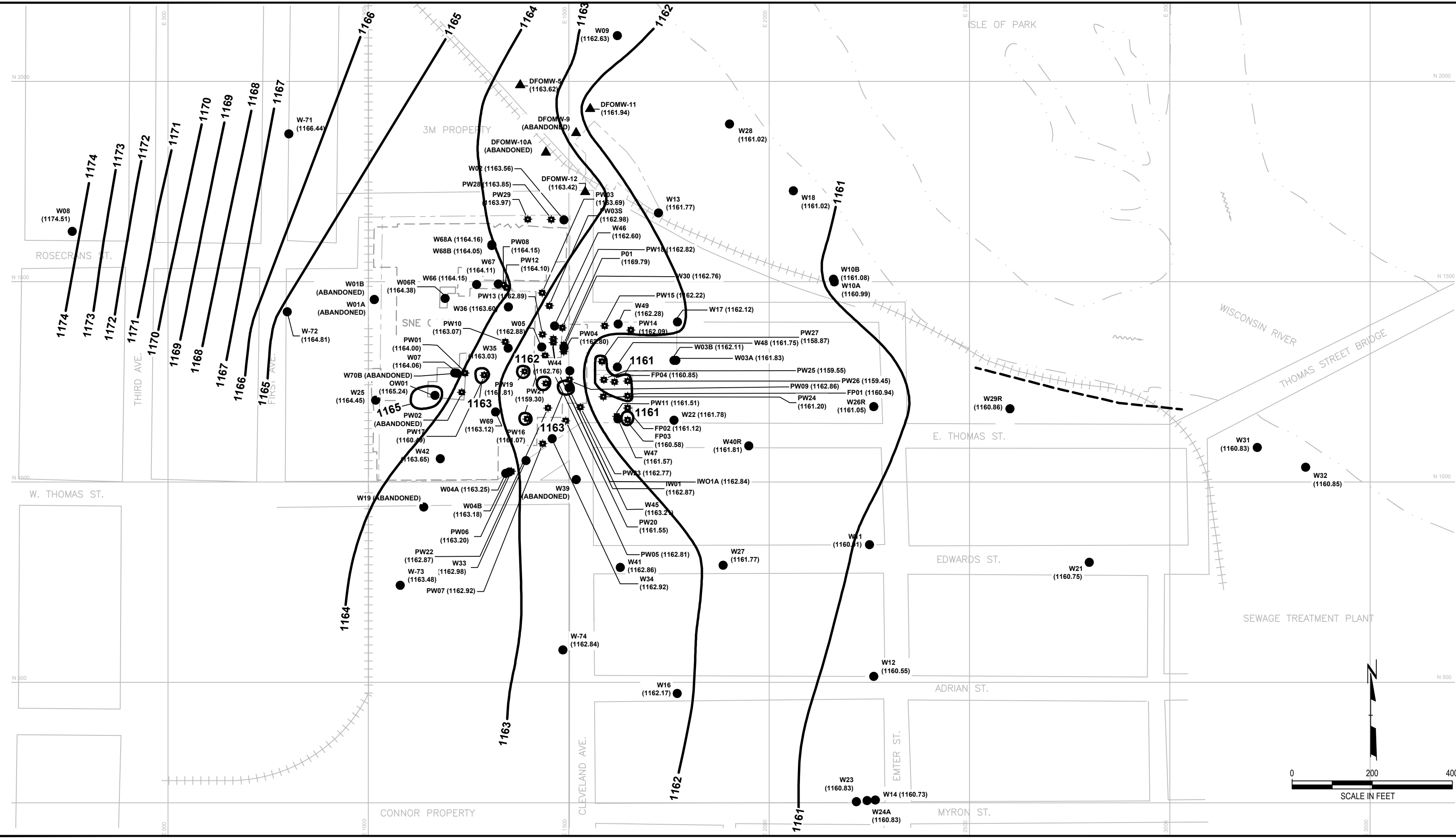
- NOTES**
1. BASE MAP DEVELOPED FROM DRAWING A107250-1 OF THE SEPTEMBER 1992 SEMI-ANNUAL GROUNDWATER MONITORING REPORT BY KEYSTONE ENVIRONMENTAL, MWH DRAWING 2082658.302160101-B1, AND 3M WELLS LOCATION BASED ON 3M MAPS.
  2. WATER ELEVATIONS OBTAINED BY TRC ON JANUARY 5, 2023. ON THIS DATE, THE PUMPING RATE OF THE GROUNDWATER EXTRACTION SYSTEM WAS APPROXIMATELY 22.8 GPM.
  3. WAULECO WELLS PW02 AND W70B WERE ABANDONED ON 7/21/16 DURING SOIL MOUND REMOVAL ACTIVITIES BY TRC. 3M WELLS DFOMW9 AND DFOMW10A WERE ABANDONED BY 3M IN THE SUMMER OF 2015.
  4. WAULECO WELLS W19 AND W39 WERE ABANDONED ON 3/28/19 PRIOR TO THOMAS STREET RECONSTRUCTION. WELLS W26, W29, AND W40 WERE ALSO ABANDONED ON 3/28/19, WITH REPLACEMENT WELLS W26R, W29R, AND W40R INSTALLED ON 6/24/19.
  5. THE CITY OF WAUSAU INSTALLED A STEEL SHEET PILING WALL IN 2020 TO REPLACE A ROCK WALL ON THE WISCONSIN RIVER BANK LOCATED WEST OF THE THOMAS STREET BRIDGE.
  6. WAULECO WELLS W1A AND W1B WERE ABANDONED ON 6/29/21 AND 6/30/21 DUE TO THE RAILROAD PROPERTY TRANSFER TO 3M.



PROJECT:		<b>WAULECO, INC.</b>	
		<b>ANNUAL GROUNDWATER MONITORING REPORT</b>	
		<b>WAUSAU, WISCONSIN</b>	
TITLE:			
<b>WATER TABLE MAP</b>			
<b>(JANUARY 5, 2023)</b>			
DRAWN BY:	T. FIEBRANZ	PROJ NO.:	189597.0013
CHECKED BY:	T. DUSHEK	<b>DRAWING 3</b>	
APPROVED BY:	S. SELLWOOD		
DATE:	MARCH 2024		
		999 Fourier Drive Suite 101 Madison, WI 53717 Phone: 608.826.3600	
FILE NO.:		189597.0013.04.WT.WJAN23.dwg	

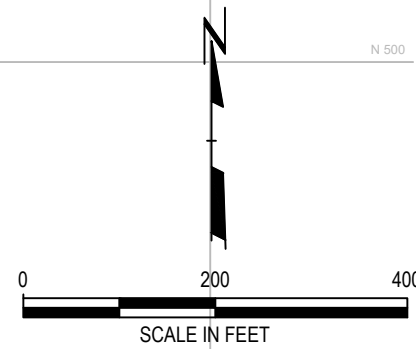
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Version: 2017-10-21



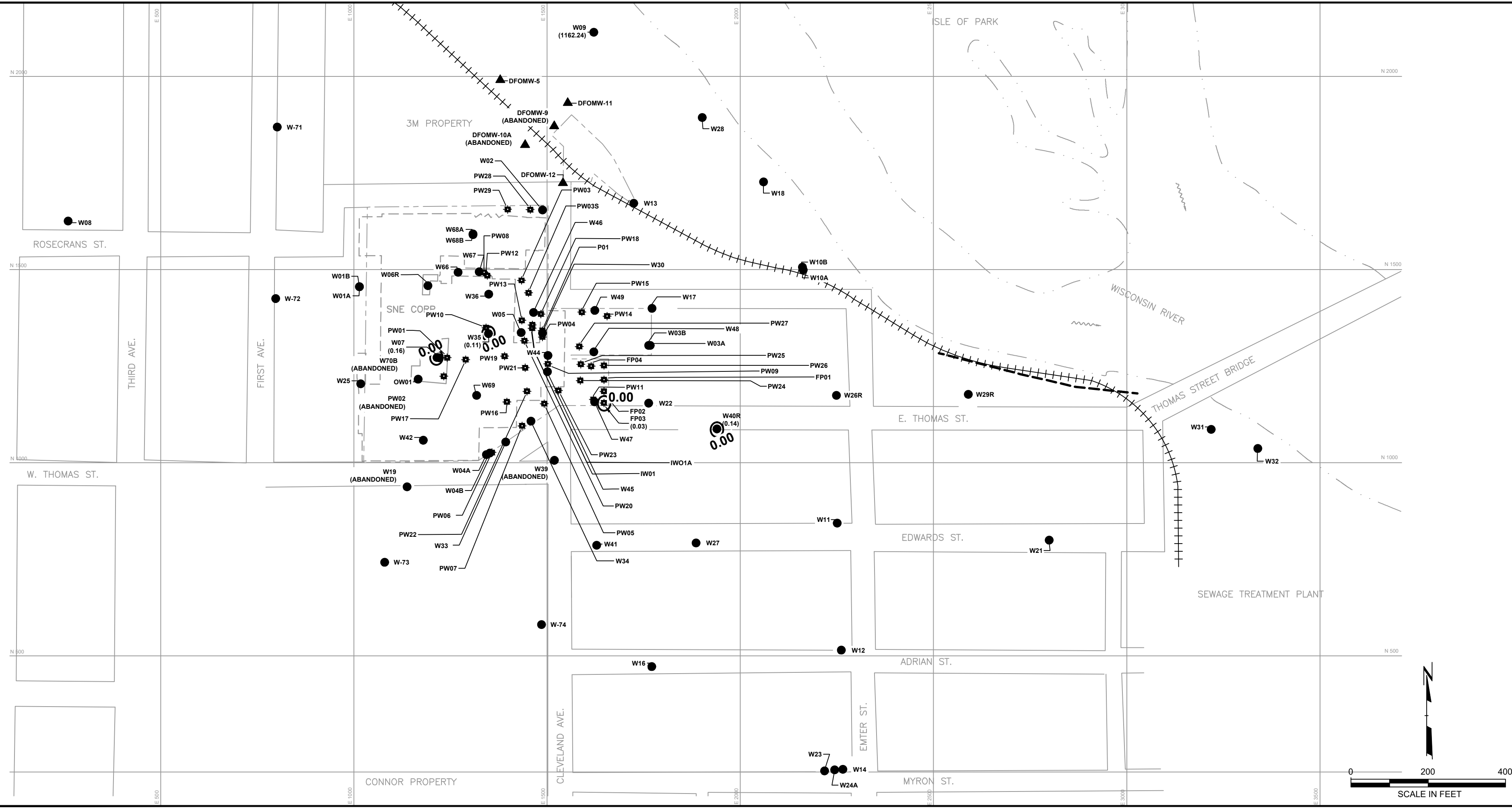
- LEGEND**
- W17 ● (1162.42) MONITORING WELL LOCATION, NUMBER AND WATER TABLE ELEVATION
  - PW12 ■ (1164.12) EXTRACTION WELL LOCATION, NUMBER AND WATER TABLE ELEVATION
  - APPROXIMATE PROPERTY LINE
  - - - FORMER BUILDING OUTLINE
  - 1161— WATER TABLE ELEVATION CONTOUR
  - ▲ DFOMW-5 3M GROUNDWATER MONITORING WELL
  - - - APPROXIMATE LOCATION OF SHEET PILE WALL

- NOTES**
1. BASE MAP DEVELOPED FROM DRAWING A107250-1 OF THE SEPTEMBER 1992 SEMI-ANNUAL GROUNDWATER MONITORING REPORT BY KEYSTONE ENVIRONMENTAL, MWH DRAWING 2082658.302160101-B1, AND 3M WELLS LOCATION BASED ON 3M MAPS.
  2. WATER ELEVATIONS OBTAINED BY TRC ON JULY 3, 2023. ON THIS DATE, THE PUMPING RATE OF THE GROUNDWATER EXTRACTION SYSTEM WAS APPROXIMATELY 21.3 GPM.
  3. WAULECO WELLS PW02 AND W70B WERE ABANDONED ON 7/21/16 DURING SOIL MOUND REMOVAL ACTIVITIES BY TRC. 3M WELLS DFOMW9 AND DFOMW10A WERE ABANDONED BY 3M IN THE SUMMER OF 2015.
  4. WAULECO WELLS W19 AND W39 WERE ABANDONED ON 3/28/19 PRIOR TO THOMAS STREET RECONSTRUCTION. WELLS W26, W29, AND W40 WERE ALSO ABANDONED ON 3/28/19, WITH REPLACEMENT WELLS W26R, W29R, AND W40R INSTALLED ON 6/24/19.
  5. THE CITY OF WAUSAU INSTALLED A STEEL SHEET PILING WALL IN 2020 TO REPLACE A ROCK WALL ON THE WISCONSIN RIVER BANK LOCATED WEST OF THE THOMAS STREET BRIDGE.
  6. WAULECO WELLS W1A AND W1B WERE ABANDONED ON 6/29/21 AND 6/30/21 DUE TO THE RAILROAD PROPERTY TRANSFER TO 3M.



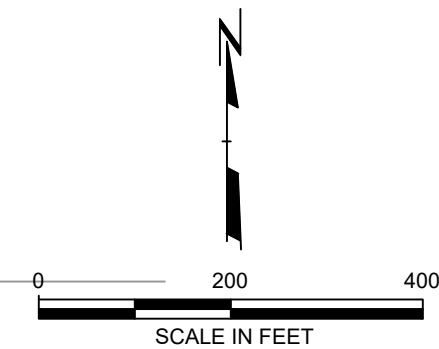
PROJECT:		<b>WAULECO, INC.</b>	
		<b>ANNUAL GROUNDWATER MONITORING REPORT</b>	
		<b>WAUSAU, WISCONSIN</b>	
TITLE:			
<b>WATER TABLE MAP</b>			
<b>(JULY 3, 2023)</b>			
DRAWN BY:	T. FIEBRANZ	PROJ NO.:	189597.0013
CHECKED BY:	T. DUSHEK	<b>DRAWING 4</b>	
APPROVED BY:	S. SELLWOOD		
DATE:	MARCH 2024		
		999 Fourier Drive Suite 101 Madison, WI 53717 Phone: 608.826.3600	
FILE NO.:	189597.0013.04.WT.JULY 23.dwg		

I:\04 - USER: TIEBRANZ - ATTACHED: XREFS - Bearings (Data File) - January 2023 Product Oil Thickness Data - ATTACHED: IMAGES  
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 Version: 2017.10.21

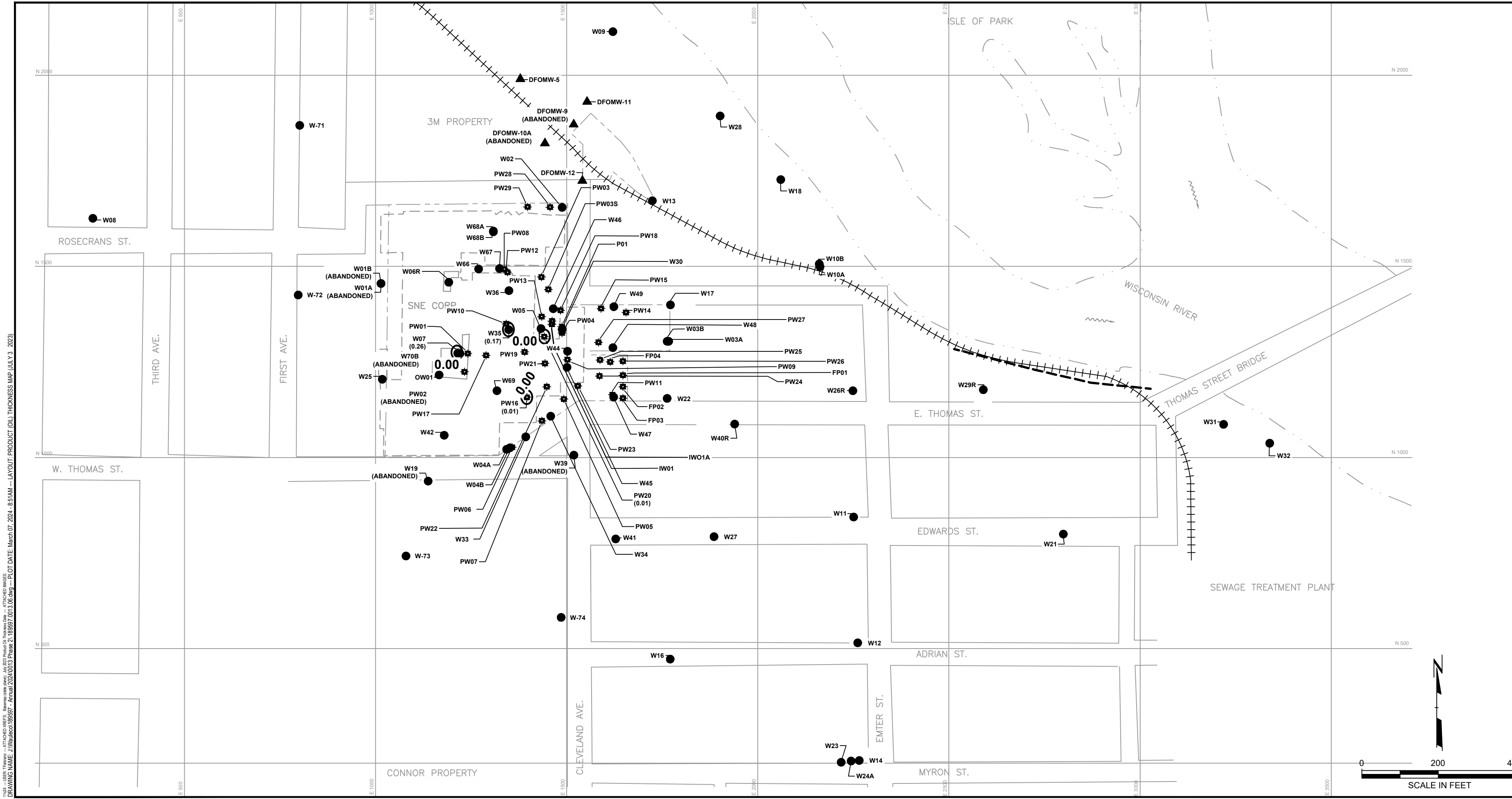


- LEGEND**
- W17 ● MONITORING WELL LOCATION
  - PW12 ☼ EXTRACTION WELL LOCATION AND NUMBER
  - DFOMW-5 ▲ 3M GROUNDWATER MONITORING WELL
  - APPROXIMATE PROPERTY LINE
  - - - FORMER BUILDING OUTLINE
  - 0.00— APPARENT PRODUCT THICKNESS CONTOUR (DASHED WHERE INFERRED)
  - - - - - APPROXIMATE LOCATION OF SHEET PILE WALL

- NOTES**
1. BASE MAP DEVELOPED FROM DRAWING A107250-1 OF THE SEPTEMBER 1992 SEMI-ANNUAL GROUNDWATER MONITORING REPORT BY KEYSTONE ENVIRONMENTAL, MWH DRAWING 2082658.302160101-B1, AND 3M WELLS LOCATION BASED ON 3M MAPS.
  2. PRODUCT THICKNESS OBTAINED BY TRC ON JANUARY 5, 2023.
  3. ALL WELLS WITH NO PRODUCT THICKNESS VALUE INDICATES A VALUE OF "0.00".
  4. WAULECO WELLS PW02 AND W70B WERE ABANDONED ON 7/21/16 DURING SOIL MOUND REMOVAL ACTIVITIES BY TRC. 3M WELLS DFOMW9 AND DFOMW10A WERE ABANDONED BY 3M IN THE SUMMER OF 2015.
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  7. WAULECO WELLS W1A AND W1B WERE ABANDONED ON 6/29/21 AND 6/30/21 DUE TO THE RAILROAD PROPERTY TRANSFER TO 3M.

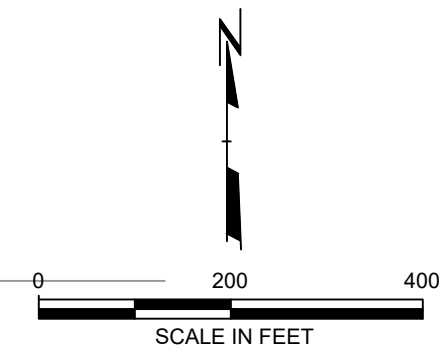


PROJECT:		<b>WAULECO, INC.</b>	
		<b>ANNUAL GROUNDWATER MONITORING REPORT</b>	
		<b>WAUSAU, WISCONSIN</b>	
TITLE:		<b>PRODUCT (OIL) THICKNESS MAP</b>	
		<b>(JANUARY 5, 2023)</b>	
DRAWN BY:	T. FIEBRANZ	PROJ NO.:	189597.0013
CHECKED BY:	T. DUSHEK	<b>DRAWING 5</b>	
APPROVED BY:	S. SELLWOOD		
DATE:	MARCH 2024		
FILE NO.:		189597.0013.05.dwg	
		999 Fourier Drive Suite 101 Madison, WI 53717 Phone: 608.826.3600	



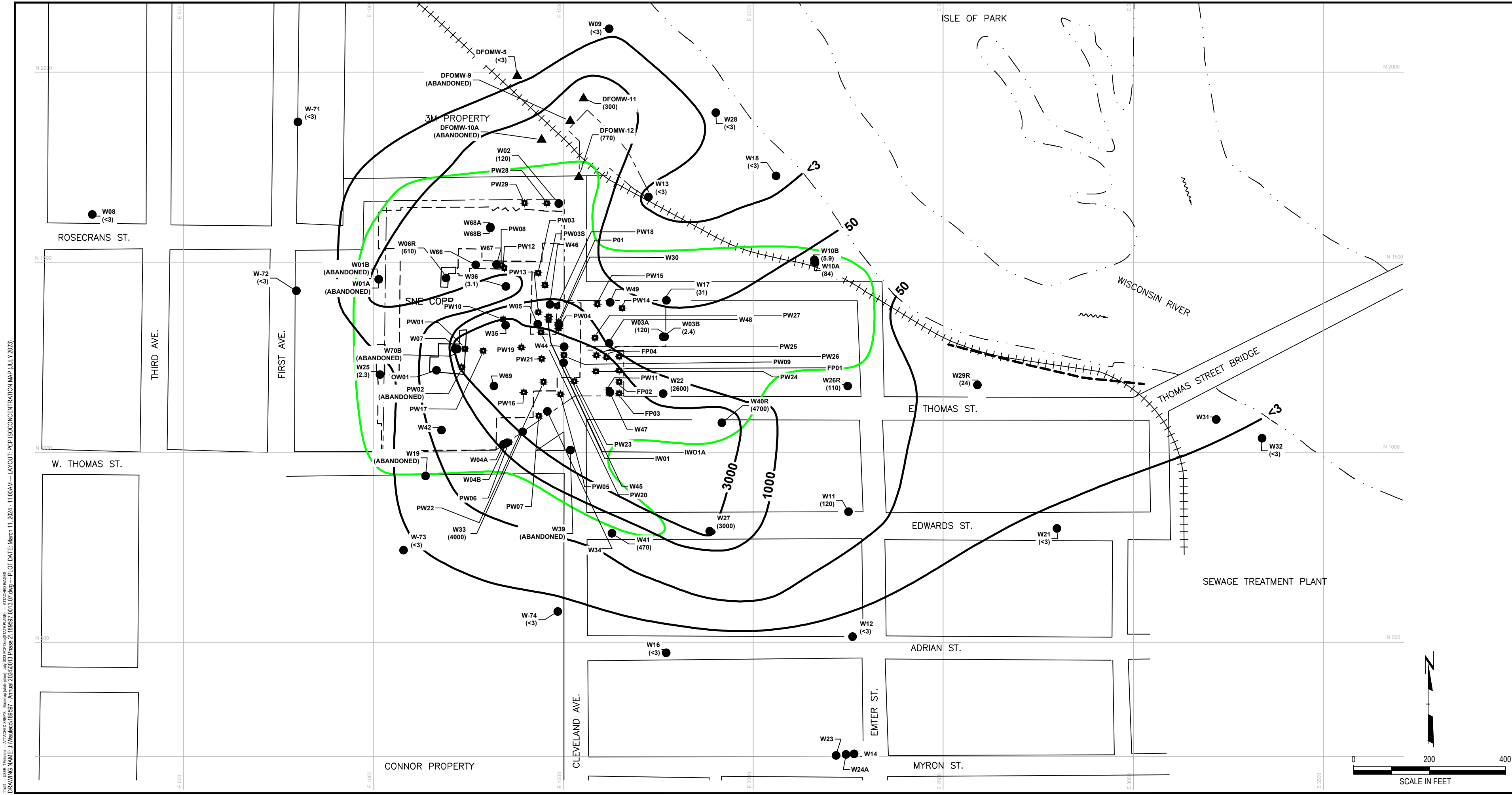
- LEGEND**
- W17 ● MONITORING WELL LOCATION
  - PW12 ☼ EXTRACTION WELL LOCATION AND NUMBER
  - DFOMW-5 ▲ 3M GROUNDWATER MONITORING WELL
  - APPROXIMATE PROPERTY LINE
  - - - - - FORMER BUILDING OUTLINE
  - 0.00— APPARENT PRODUCT THICKNESS CONTOUR (DASHED WHERE INFERRED)
  - - - - - APPROXIMATE LOCATION OF SHEET PILE WALL

- NOTES**
1. BASE MAP DEVELOPED FROM DRAWING A107250-1 OF THE SEPTEMBER 1992 SEMI-ANNUAL GROUNDWATER MONITORING REPORT BY KEYSTONE ENVIRONMENTAL, MWH DRAWING 2082658.302160101-B1, AND 3M WELLS LOCATION BASED ON 3M MAPS.
  2. PRODUCT THICKNESS OBTAINED BY TRC ON JULY 3, 2023.
  3. ALL WELLS WITH NO PRODUCT THICKNESS VALUE INDICATES A VALUE OF "0.00".
  4. WAULECO WELLS PW02 AND W70B WERE ABANDONED ON 7/21/16 DURING SOIL MOUND REMOVAL ACTIVITIES BY TRC. 3M WELLS DFOMW9 AND DFOMW10A WERE ABANDONED BY 3M IN THE SUMMER OF 2015.
  5. WAULECO WELLS W19 AND W39 WERE ABANDONED ON 3/28/19 PRIOR TO THOMAS STREET RECONSTRUCTION. WELLS W26, W29, AND W40 WERE ALSO ABANDONED ON 3/28/19, WITH REPLACEMENT WELLS W26R, W29R, AND W40R INSTALLED ON 6/24/19.
  6. THE CITY OF WAUSAU INSTALLED A STEEL SHEET PILING WALL IN 2020 TO REPLACE A ROCK WALL ON THE WISCINSIN RIVER BANK LOCATED WEST OF THE THOMAS STREET BRIDGE.
  7. WAULECO WELLS W1A AND W1B WERE ABANDONED ON 6/29/21 AND 6/30/21 DUE TO THE RAILROAD PROPERTY TRANSFER TO 3M.



<b>PROJECT:</b>		<b>WAULECO, INC.</b>	
<b>ANNUAL GROUNDWATER MONITORING REPORT</b>		<b>WAUSAU, WISCONSIN</b>	
<b>TITLE:</b>		<b>PRODUCT (OIL) THICKNESS MAP</b>	
<b>(JULY 3, 2023)</b>		<b>DRAWING 6</b>	
<small>DRAWN BY:</small>	<small>T. FIEBRANZ</small>	<small>PROJ NO.:</small>	<small>189597.0013</small>
<small>CHECKED BY:</small>	<small>T. DUSHEK</small>	<b>DRAWING 6</b>	
<small>APPROVED BY:</small>	<small>S. SELLWOOD</small>		
<small>DATE:</small>	<small>MARCH 2024</small>		
		999 Fourier Drive Suite 101 Madison, WI 53717 Phone: 608.826.3600	
<small>FILE NO.:</small>		<small>189597.0013.06.dwg</small>	

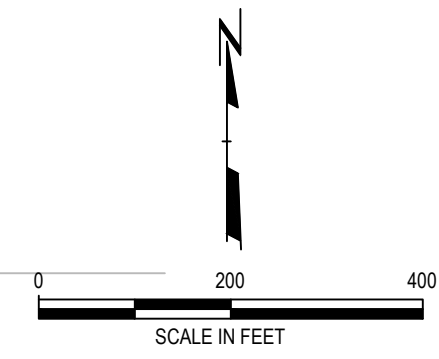
I:\04 - USER: TIEBRANZ - ATTACHED XREFS - Bearings (Data File) - July 2023 Product Oil Thickness Map - ATTACHED IMAGES -  
 DRAWING NAME: J:\Wauleco\189597 - Annual 2024\013 Phase 2\189597.0013.06.dwg - PLOT DATE: March 07, 2024 - 8:51 AM - LAYOUT: PRODUCT (OIL) THICKNESS MAP (JULY 3, 2023)  
 Version: 2017.10.21



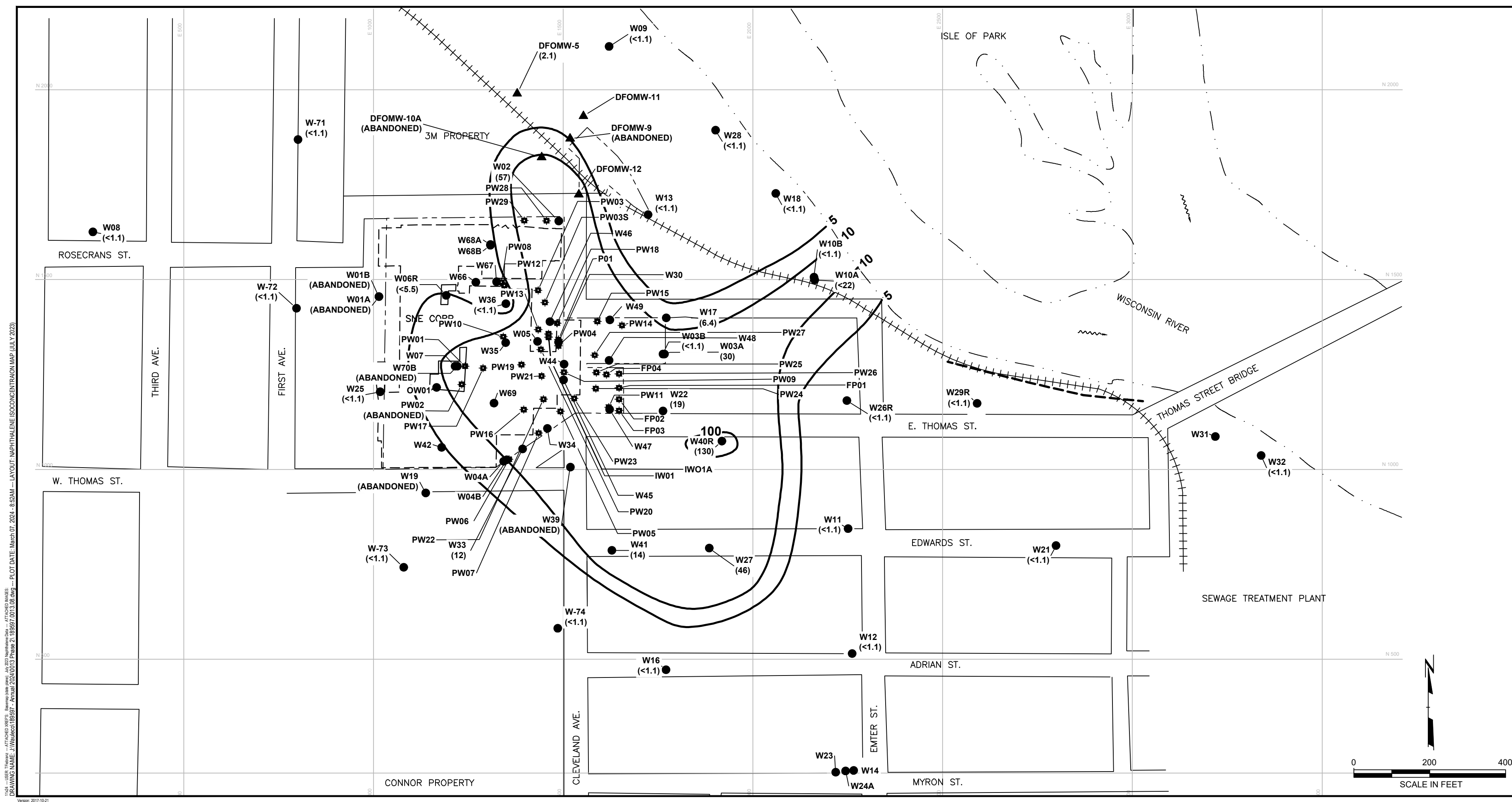
- LEGEND**
- W17 (15) ● MONITORING WELL LOCATION AND PCP CONCENTRATION (ug/L)
  - PW12 ☒ EXTRACTION WELL LOCATION AND NUMBER
  - DFOMW-5 ▲ 3M GROUNDWATER MONITORING WELL
  - APPROXIMATE PROPERTY LINE
  - - - FORMER BUILDING OUTLINE
  - 50 — PCP ISOCONCENTRATION CONTOUR INTERVAL VARIES (DASHED WHERE INFERRED)
  - OUTLINE OF RESIDUAL PHASE PRODUCT
  - - - APPROXIMATE LOCATION OF SHEET PILE WALL

- NOTES**
1. BASE MAP DEVELOPED FROM DRAWING A107250-1 OF THE SEPTEMBER 1992 SEMI-ANNUAL GROUNDWATER MONITORING REPORT BY KEYSTONE ENVIRONMENTAL, MWH DRAWING 2082658.302160101-B1, AND 3M WELLS LOCATION BASED ON 3M MAPS.
  2. GROUNDWATER SAMPLES OBTAINED BY TRC ON JULY 5, 6, 10, 11, 2023.
  3. ANALYTE CONCENTRATIONS OBTAINED FROM LABORATORY DATA BY CT LABORATORIES, INC. IN WELL CLUSTERS THE VALUE FROM THE SHALLOWEST WELL WAS USED TO DETERMINE ISOCONCENTRATIONS FOR THE ANALYTE.
  5. THE NR140 ENFORCEMENT STANDARD (ES) FOR PCP IS 1.0 ug/L. THE NR140 PREVENTIVE ACTION LIMIT (PAL) FOR PCP IS 0.10 ug/L.
  6. WAULECO WELLS PW02 AND W70B WERE ABANDONED ON 7/21/16 DURING SOIL MOUND REMOVAL ACTIVITIES BY TRC. 3M WELLS DFOMW9 AND DFOMW10A WERE ABANDONED BY 3M IN THE SUMMER OF 2015.
  7. WAULECO WELLS W19 AND W39 WERE ABANDONED ON 3/28/19 PRIOR TO THOMAS STREET RECONSTRUCTION. WELLS W26, W29, AND W40 WERE ALSO ABANDONED ON 3/28/19, WITH REPLACEMENT WELLS W26R, W29R, AND W40R INSTALLED ON 6/24/19.
  8. WAULECO WELLS W01A AND W01B WERE ABANDONED ON 6/29/21 AND 6/30/21 DUE TO THE RAILROAD PROPERTY TRANSFER TO 3M.
  9. THE CITY OF WAUSAU INSTALLED A STEEL SHEET PILING WALL IN 2020 TO REPLACE A ROCK WALL ON THE WISCONSIN RIVER BANK LOCATED WEST OF THE THOMAS STREET BRIDGE.

PROJECT:		<b>WAULECO, INC.</b>	
		<b>ANNUAL GROUNDWATER MONITORING REPORT</b>	
		<b>WAUSAU, WISCONSIN</b>	
TITLE:			
<b>PCP ISOCONCENTRATION MAP</b>			
<b>(JULY 2023)</b>			
DRAWN BY:	T. FIEBRANZ	PROJ NO.:	189597.0013
CHECKED BY:	T. DUSHEK	<b>DRAWING 7</b>	
APPROVED BY:	S. SELLWOOD		
DATE:	MARCH 2024		
DRAWING NAME: J:\Wauleco\189597 - Annual 2024\0013 Phase 2\189597.0013.07.dwg		999 Fourier Drive Suite 101 Madison, WI 53717 Phone: 608.826.3600	
FILE NO.:		189597.0013.07.dwg	



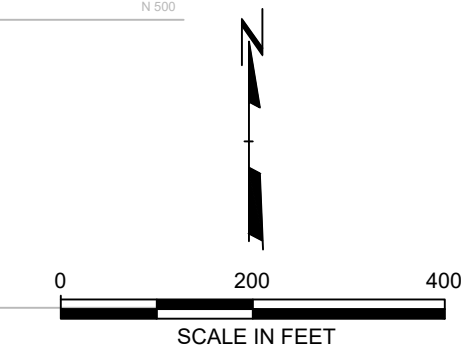
I:\04 - USER FILES - ATTACHED FILES - Bannock (User Name) - JULY 2023 PCP Data (SHEETS) - ATTACHED IMAGES  
 DRAWING NAME: J:\Wauleco\189597 - Annual 2024\0013 Phase 2\189597.0013.07.dwg - PLOT DATE: March 11, 2024 - 11:00AM - LAYOUT: PCP ISOCONCENTRATION MAP (JULY 2023)  
 Version: 2017.10.21



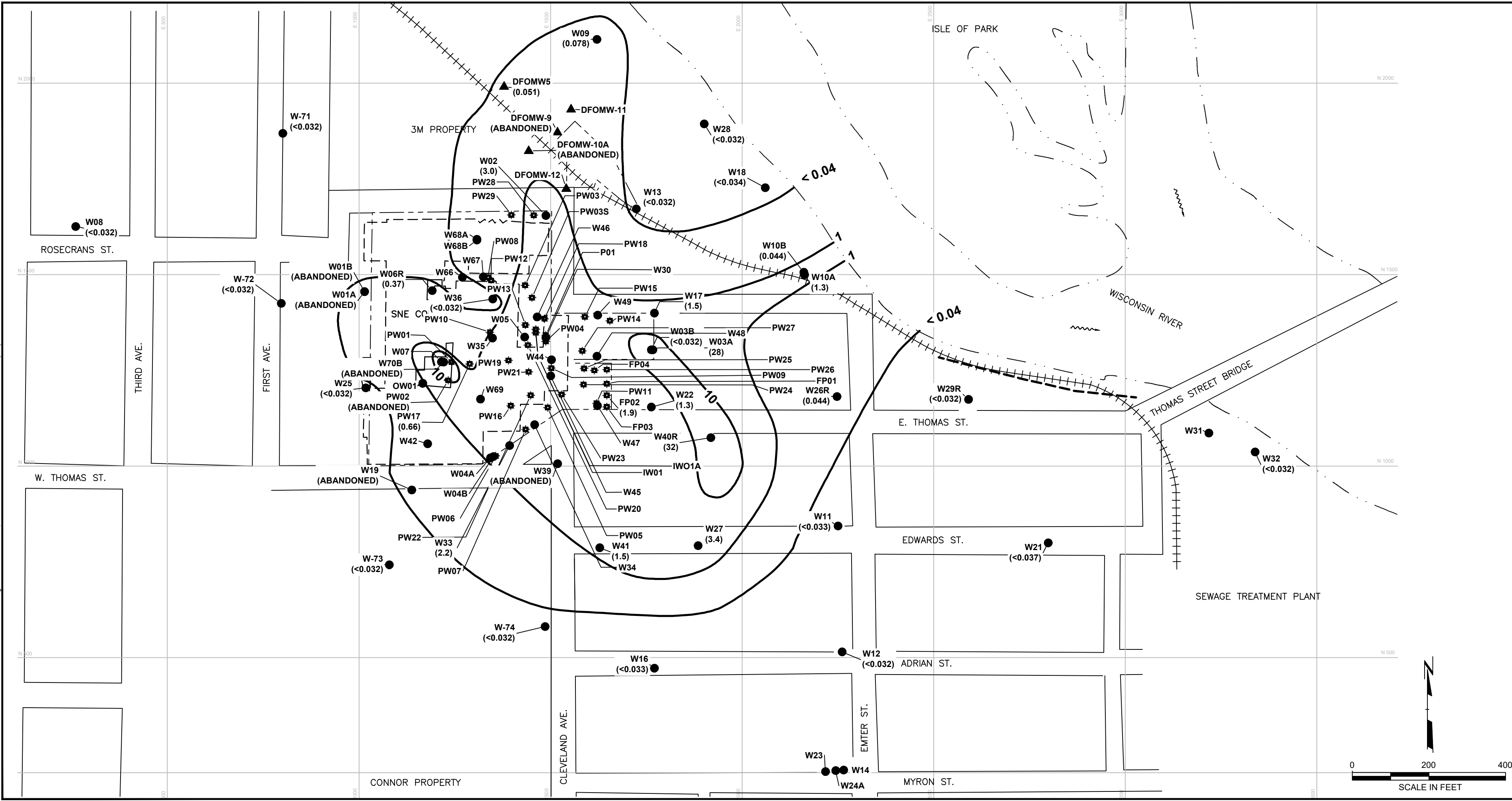
- ### LEGEND
- W17 (2.7) ● MONITORING WELL LOCATION AND NAPHTHALENE CONCENTRATION (ug/L)
  - PW12\* □ EXTRACTION WELL LOCATION AND NUMBER
  - DFOMW-5 ▲ 3M GROUNDWATER MONITORING WELL
  - - - APPROXIMATE PROPERTY LINE
  - - - FORMER BUILDING OUTLINE
  - 10 — NAPHTHALENE ISOCONCENTRATION CONTOUR INTERVAL VARIES (DASHED WHERE INFERRED)
  - - - APPROXIMATE LOCATION OF SHEET PILE WALL
- ### NOTES
1. BASE MAP DEVELOPED FROM DRAWING A107250-1 OF THE SEPTEMBER 1992 SEMI-ANNUAL GROUNDWATER MONITORING REPORT BY KEYSTONE ENVIRONMENTAL, MWH DRAWING 2082658.302160101-B1, AND 3M WELLS LOCATION BASED ON 3M MAPS.
  2. GROUNDWATER SAMPLES OBTAINED BY TRC ON JULY 5, 6, 10, 11, 2023.
  3. ANALYTE CONCENTRATIONS OBTAINED FROM LABORATORY DATA BY CT LABORATORIES, INC.
  4. IN WELL CLUSTERS THE VALUE FROM THE SHALLOWEST WELL WAS USED TO DETERMINE ISOCONCENTRATIONS FOR THE ANALYTE.
  5. THE NR140 ENFORCEMENT STANDARD (ES) FOR NAPHTHALENE IS 100 ug/L. THE NR140 PREVENTIVE ACTION LIMIT (PAL) FOR NAPHTHALENE IS 10 ug/L.
  6. WAULECO WELLS PW02 AND W70B WERE ABANDONED ON 7/21/16 DURING SOIL MOUND REMOVAL ACTIVITIES BY TRC. 3M WELLS DFOMW9 AND DFOMW10A WERE ABANDONED BY 3M IN THE SUMMER OF 2015.
  7. WAULECO WELLS W19 AND W39 WERE ABANDONED ON 3/28/19 PRIOR TO THOMAS STREET RECONSTRUCTION. WELLS W26, W29, AND W40 WERE ALSO ABANDONED ON 3/28/19, WITH REPLACEMENT WELLS W26R, W29R, AND W40R INSTALLED ON 6/24/19.
  8. THE CITY OF WAUSAU INSTALLED A STEEL SHEET PILING WALL IN 2020 TO REPLACE A ROCK WALL ON THE WISCONSIN RIVER BANK LOCATED WEST OF THE THOMAS STREET BRIDGE.
  9. WAULECO WELLS W1A AND W1B WERE ABANDONED ON 6/29/21 AND 6/30/21 DUE TO THE RAILROAD PROPERTY TRANSFER TO 3M.

I:\04 - USER: TIEBRANZ - ATTACHED XREFS - Bearings (Data Entry) - July 2023 Naphthalene Data - ATTACHED MAPS - DRAWING NAME: J:\Wauleco\189597 - Annual 2024\01013 Phase 2\189597.001.08.dwg - PLOT DATE: March 07, 2024 - 8:55AM - LAYOUT: NAPHTHALENE ISOCONCENTRATION MAP (JULY 2023)

PROJECT:		<b>WAULECO, INC.</b>	
		<b>ANNUAL GROUNDWATER MONITORING REPORT</b>	
		<b>WAUSAU, WISCONSIN</b>	
TITLE:			
<b>NAPHTHALENE ISOCONCENTRAION MAP</b>			
<b>(JULY 2023)</b>			
DRAWN BY:	T. FIEBRANZ	PROJ NO.:	189597.0013
CHECKED BY:	T. DUSHEK	<b>DRAWING 8</b>	
APPROVED BY:	S. SELLWOOD		
DATE:	MARCH 2024		
		999 Fourier Drive Suite 101 Madison, WI 53717 Phone: 608.826.3600	
FILE NO.:		189597.0013.08.dwg	



I:\04 - ATTACHED FILES - Bureau (Internal) - July 2023\TPH Data - ATTACHED MAPS - DRAWING NAME - J:\Wauleco\189597 - Annual 2024\013 Phase 21\189597.001.09.dwg -- PLOT DATE: March 07, 2024, 8:52AM -- LAYOUT: TOTAL PETROLEUM HYDROCARBONS (TPH) AS MINER SPIRITS



**LEGEND**

- W17 (0.39) ● MONITORING WELL LOCATION AND TPH CONCENTRATION (mg/L)
- PW12 ● EXTRACTION WELL LOCATION AND NUMBER
- DFOMW-5 ▲ 3M GROUNDWATER MONITORING WELL
- - - APPROXIMATE PROPERTY LINE
- - - FORMER BUILDING OUTLINE
- 1.0 — TPH AS MINERAL SPIRITS ISOCONCENTRATION CONTOUR (mg/L) INTERVAL VARIES (DASHED WHERE INFERRED)
- · - · - APPROXIMATE LOCATION OF SHEET PILE WALL

**NOTES**

1. BASE MAP DEVELOPED FROM DRAWING A107250-1 OF THE SEPTEMBER 1992 SEMI-ANNUAL GROUNDWATER MONITORING REPORT BY KEYSTONE ENVIRONMENTAL, MWH DRAWING 2082658.302160101-B1, AND 3M WELLS LOCATION BASED ON 3M MAPS.
2. GROUNDWATER SAMPLES OBTAINED BY TRC ON JULY 5, 6, 10, 11, 2023.
3. ANALYTE CONCENTRATIONS OBTAINED FROM LABORATORY DATA BY CT LABORATORIES, INC.
4. IN WELL CLUSTERS THE VALUE FROM THE SHALLOWEST WELL WAS USED TO DETERMINE ISOCONCENTRATIONS FOR THE ANALYTE.
5. WAULECO WELLS PW02 AND W70B WERE ABANDONED ON 7/21/16 DURING SOIL MOUND REMOVAL ACTIVITIES BY TRC. 3M WELLS DFOMW9 AND DFOMW10A WERE ABANDONED BY 3M IN THE SUMMER OF 2015.
6. WAULECO WELLS W19 AND W39 WERE ABANDONED ON 3/28/19 PRIOR TO THOMAS STREET RECONSTRUCTION. WELLS W26, W29, AND W40 WERE ALSO ABANDONED ON 3/28/19, WITH REPLACEMENT WELLS W26R, W29R, AND W40R INSTALLED ON 6/24/19.
7. THE CITY OF WAUSAU INSTALLED A STEEL SHEET PILING WALL IN 2020 TO REPLACE A ROCK WALL ON THE WISCONSIN RIVER BANK LOCATED WEST OF THE THOMAS STREET BRIDGE.
8. WAULECO WELLS W1A AND W1B WERE ABANDONED ON 6/29/21 AND 6/30/21 DUE TO THE RAILROAD PROPERTY TRANSFER TO 3M.

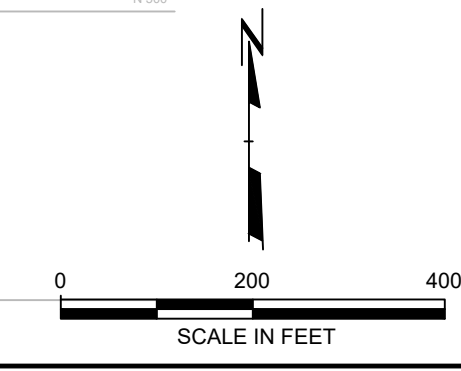
PROJECT: **WAULECO, INC.**  
**ANNUAL GROUNDWATER MONITORING REPORT**  
**WAUSAU, WISCONSIN**

TITLE: **TOTAL PETROLEUM HYDROCARBONS (TPH) AS MINERAL SPIRITS ISOCONCENTRATION MAP (JULY 2023)**

DRAWN BY: T. FIEBRANZ	PROJ NO.: 189597.0013
CHECKED BY: T. DUSHEK	
APPROVED BY: S. SELLWOOD	<b>DRAWING 9</b>
DATE: MARCH 2024	

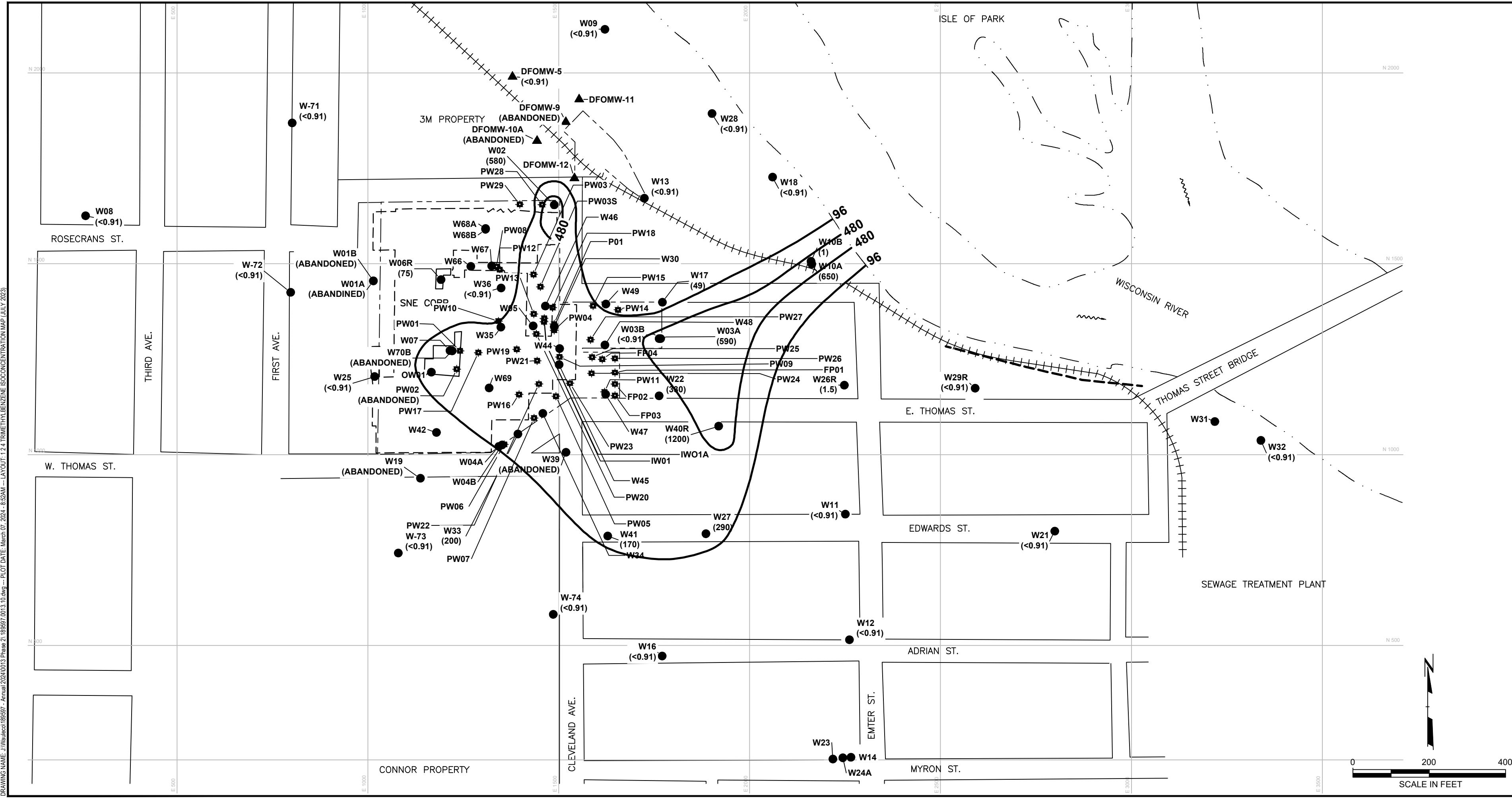
999 Fourier Drive  
 Suite 101  
 Madison, WI 53717  
 Phone: 608.826.3600

FILE NO.: 189597.0013.09.dwg





I:\04 - ATTACHED FILES - Bureau (Internal) - July 2023 TRIMETHYLBENZENE Data - ATTACHED IMAGES  
 DRAWING NAME: J:\Waukeco\189597 - Annual 2024\013 Phase 2\189597.0013.10.dwg --- PLOT DATE: March 07, 2024 - 8:55AM --- LAYOUT: 1,2,4 TRIMETHYLBENZENE ISOCONCENTRATION MAP (JULY 2023)

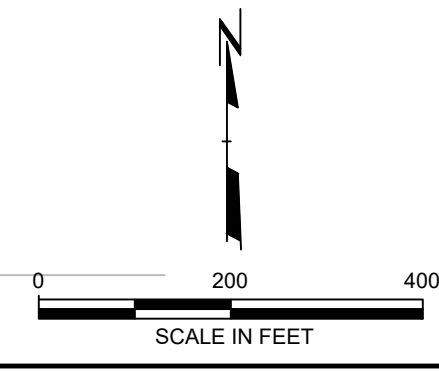


**LEGEND**

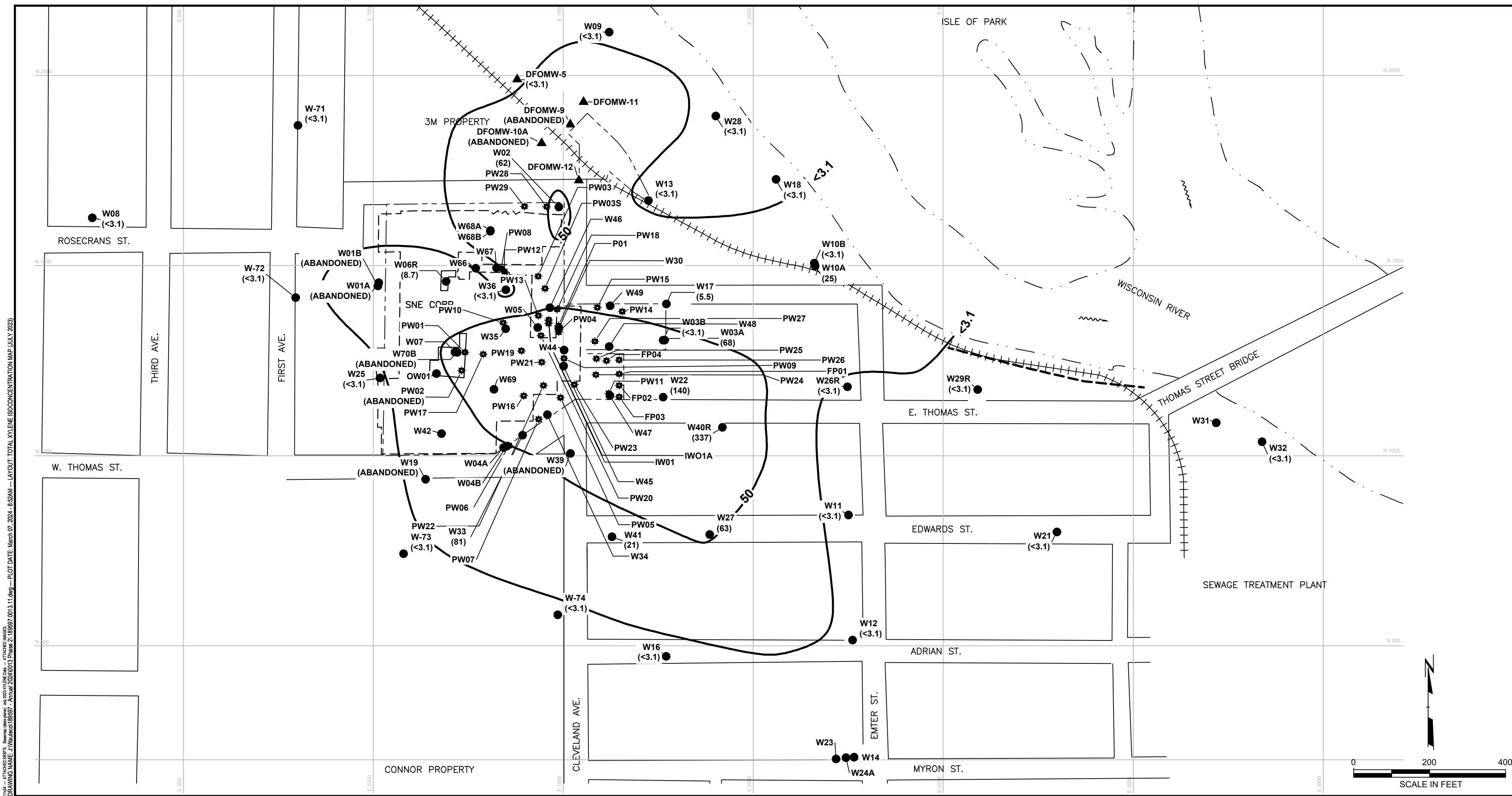
- W17 (22) ● MONITORING WELL LOCATION AND 1,2,4 TRIMETHYLBENZENE CONCENTRATION (ug/L)
- PW12 ■ EXTRACTION WELL LOCATION AND NUMBER
- DFOMW-5 ▲ 3M GROUNDWATER MONITORING WELL
- - - - - APPROXIMATE PROPERTY LINE
- - - - - FORMER BUILDING OUTLINE
- 480— 1,2,4 TRIMETHYLBENZENE ISOCONCENTRATION CONTOUR (ug/L) INTERVAL VARIES (DASHED WHERE INFERRED)
- - - - - APPROXIMATE LOCATION OF SHEET PILE WALL

- NOTES**
1. BASE MAP DEVELOPED FROM DRAWING A107250-1 OF THE SEPTEMBER 1992 SEMI-ANNUAL GROUNDWATER MONITORING REPORT BY KEYSTONE ENVIRONMENTAL, MWH DRAWING 2082658.302160101-B-1, AND 3M WELLS LOCATION BASED ON 3M MAPS.
  2. GROUNDWATER SAMPLES OBTAINED BY TRC ON JULY 5, 6, 10, 11, 2023.
  3. ANALYTE CONCENTRATIONS OBTAINED FROM LABORATORY DATA BY CT LABORATORIES, INC. IN WELL CLUSTERS THE VALUE FROM THE SHALLOWEST WELL WAS USED TO DETERMINE ISOCONCENTRATIONS FOR THE ANALYTE.
  4. THE NR140 ENFORCEMENT STANDARD (ES) FOR TOTAL TRIMETHYLBENZENES IS 480 ug/L. THE NR140 PREVENTIVE ACTION LIMIT (PAL) FOR TOTAL TRIMETHYLBENZENES IS 96 ug/L.
  5. WAULECO WELLS PW02 AND W70B WERE ABANDONED ON 7/21/16 DURING SOIL MOUND REMOVAL ACTIVITIES BY TRC. 3M WELLS DFOMW9 AND DFOMW10A WERE ABANDONED BY 3M IN THE SUMMER OF 2015.
  6. WAULECO WELLS W19 AND W39 WERE ABANDONED ON 3/28/19 PRIOR TO THOMAS STREET RECONSTRUCTION. WELLS W26, W29, AND W40 WERE ALSO ABANDONED ON 3/28/19, WITH REPLACEMENT WELLS W26R, W29R, AND W40R INSTALLED ON 6/24/19.
  7. THE CITY OF WAUSAU INSTALLED A STEEL SHEET PILING WALL IN 2020 TO REPLACE A ROCK WALL ON THE WISCONSIN RIVER BANK LOCATED WEST OF THE THOMAS STREET BRIDGE.
  8. WAULECO WELLS W1A AND W1B WERE ABANDONED ON 6/29/21 AND 6/30/21 DUE TO THE RAILROAD PROPERTY TRANSFER TO 3M.

PROJECT:		<b>WAULECO, INC.</b>	
		<b>ANNUAL GROUNDWATER MONITORING REPORT</b>	
		<b>WAUSAU, WISCONSIN</b>	
TITLE:			
<b>1,2,4 TRIMETHYLBENZENE</b>			
<b>ISOCONCENTRATION MAP (JULY 2023)</b>			
DRAWN BY:	T. FIEBRANZ	PROJ. NO.:	189597.0013
CHECKED BY:	T. DUSHEK	<b>DRAWING 10</b>	
APPROVED BY:	S. SELLWOOD		
DATE:	MARCH 2024		
		999 Fourier Drive Suite 101 Madison, WI 53717 Phone: 608.826.3600	
FILE NO.:		189597.0013.10.dwg	



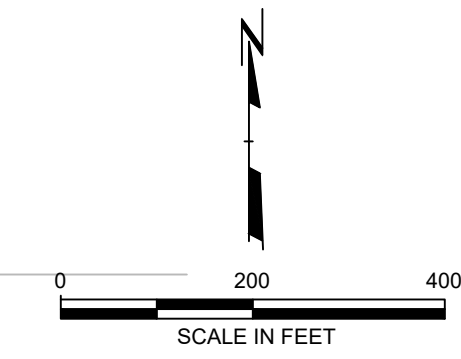
I:\04 - ATTACHED FILES - Bureau (Internal) - July 2023 XYLENE Data - ATTACHED IMAGES  
 DRAWING NAME: J:\Waukeco\189597 - Annual 2024\013 Phase 21\189597.001.11.dwg -- PLOT DATE: March 07, 2024 - 8:52AM -- LAYOUT: TOTAL XYLENE ISOCONCENTRATION MAP (JULY 2023)



- ### LEGEND
- W17 (4.2) ● MONITORING WELL LOCATION AND TOTAL XYLENES CONCENTRATION (ug/L)
  - PW12 ● EXTRACTION WELL LOCATION AND NUMBER
  - DFOMW-5 ▲ 3M GROUNDWATER MONITORING WELL
  - - - APPROXIMATE PROPERTY LINE
  - - - FORMER BUILDING OUTLINE
  - 50 — XYLENE ISOCONCENTRATION CONTOUR (ug/L) INTERVAL VARIES (DASHED WHERE INFERRED)
  - - - APPROXIMATE LOCATION OF SHEET PILE WALL

- ### NOTES
1. BASE MAP DEVELOPED FROM DRAWING A107250-1 OF THE SEPTEMBER 1992 SEMI-ANNUAL GROUNDWATER MONITORING REPORT BY KEYSTONE ENVIRONMENTAL, MWH DRAWING 2082658.302160101-B1, AND 3M WELLS LOCATION BASED ON 3M MAPS.
  2. GROUNDWATER SAMPLES OBTAINED BY TRC ON JULY 5, 6, 10, 11, 2023.
  3. ANALYTE CONCENTRATIONS OBTAINED FROM LABORATORY DATA BY CT LABORATORIES, INC.
  4. IN WELL CLUSTERS THE VALUE FROM THE SHALLOWEST WELL WAS USED TO DETERMINE ISOCONCENTRATIONS FOR THE ANALYTE.
  5. THE NR140 ENFORCEMENT STANDARD (ES) FOR TOTAL XYLENES IS 2000 ug/L. THE NR140 PREVENTIVE ACTION LIMIT (PAL) FOR TOTAL XYLENES IS 400 ug/L.
  6. WAULECO WELLS PW02 AND W70B WERE ABANDONED ON 7/21/16 DURING SOIL MOUND REMOVAL ACTIVITIES BY TRC. 3M WELLS DFOMW9 AND DFOMW10A WERE ABANDONED BY 3M IN THE SUMMER OF 2015.
  7. WAULECO WELLS W19 AND W39 WERE ABANDONED ON 3/28/19 PRIOR TO THOMAS STREET RECONSTRUCTION. WELLS W26, W29, AND W40 WERE ALSO ABANDONED ON 3/28/19, WITH REPLACEMENT WELLS W26R, W29R, AND W40R INSTALLED ON 6/24/19.
  8. THE CITY OF WAUSAU INSTALLED A STEEL SHEET PILING WALL IN 2020 TO REPLACE A ROCK WALL ON THE WISCONSIN RIVER BANK LOCATED WEST OF THE THOMAS STREET BRIDGE.
  9. WAULECO WELLS W1A AND W1B WERE ABANDONED ON 6/29/21 AND 6/30/21 DUE TO THE RAILROAD PROPERTY TRANSFER TO 3M.

<b>PROJECT:</b>		<b>WAULECO, INC.</b>	
<b>ANNUAL GROUNDWATER MONITORING REPORT</b>		<b>WAUSAU, WISCONSIN</b>	
<b>TITLE:</b>			
<b>TOTAL XYLENE ISOCONCENTRATION MAP</b>			
<b>(JULY 2023)</b>			
DRAWN BY:	T. FIEBRANZ	PROJ NO.:	189597.0013
CHECKED BY:	T. DUSHEK	<b>DRAWING 11</b>	
APPROVED BY:	S. SELLWOOD		
DATE:	MARCH 2024		
		999 Fourier Drive Suite 101 Madison, WI 53717 Phone: 608.826.3600	
FILE NO.:		189597.0013.11.dwg	



**APPENDIX A**

**WDNR CORRESPONDENCE**  
**MOBILE LNAPL RECOVERY SYSTEM SHUTDOWN**  
**JANUARY AND FEBRUARY 2011**

## Quinn, Kenneth

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**From:** Gutknecht, Lisa A - DNR <Lisa.Gutknecht@Wisconsin.gov>  
**Sent:** Wednesday, February 23, 2011 10:54 AM  
**To:** Iverson, Bruce  
**Cc:** Brandt Bob; Crass, David A (22267); Quinn, Kenneth  
**Subject:** RE: Wauleco: Proposed Plan to Reduce the Pumping Rate/Responses to Comments

Bruce,

You have answered my questions and the additional activities should be added to your Proposed Plan to Reduce the Pumping Rate.

We can discuss the progress of the plan at the annual meeting or at the end of the year depending on the data that you will have collected. Thanks for addressing these issues. Lisa

 *Lisa Gutknecht*

Remediation & Redevelopment Program  
Wausau Service Center  
Wisconsin Department of Natural Resources  
5301 Rib Mountain Drive  
Wausau, WI 54401

(☎) phone: (715) 359-6514

(☎) fax: (715) 355-5253

(✉) e-mail: Lisa.Gutknecht@Wisconsin.gov

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**From:** Iverson, Bruce [mailto:Bruce.Iverson@rmtinc.com]  
**Sent:** Friday, February 11, 2011 2:36 PM  
**To:** Gutknecht, Lisa A - DNR  
**Cc:** Brandt Bob; Crass, David A (22267); Quinn, Kenneth  
**Subject:** RE: Wauleco: Proposed Plan to Reduce the Pumping Rate/Responses to Comments

Lisa:

This email responds to your questions posed during our February 3, 2010 telephone conversation which was conducted in follow-up to my January 25, 2010 email (below) regarding Wauleco's Proposed Plan to Reduce the Pumping Rate. Specifically, you had two questions:

1. How will this change affect the checking for the presence of residual product in wells?  
**Response:** As we've discussed throughout the years and most recently at the 2010 Annual Meeting, when the project moves to the natural attenuation phase, there will be some residual product left on site. At present, the volume of free phase product is small, especially when compared to historic volumes and the volume that has been removed. In addition, we have shown that measuring the apparent product is not the best indicator of actual residual product present at the site. Indeed, the apparent product at several wells has been shown to be a relic from historic presence of free product. While the free product has been removed, the relic, apparent free product remained in some wells. For example, at last year's Annual Meeting, we discussed results of the free product assessment at wells W3A, W40, and W22 that showed no apparent free product remains in the aquifer at these locations. Since that time and per my 11-

18-2010 email that presented the plan for additional free product assessment (November 2010 Product Plan), we have continued removing apparent product from wells and have seen additional improvement. In summary, we are observing the following:

- a. There are currently no off-site monitoring wells with free phase product. Therefore, the reduced pumping will not impact free phase product at off-site monitoring wells.
  - b. Over the last 15 months at on-site monitoring wells W2, W3A, W6R, W42, and W47, the product has been removed using absorbent socks and has not reappeared. There are currently three on-site wells (W4A, W7, and W35) that have had product re-accumulate after bailing and use of absorbent socks. The product has been bailed again, and use of the absorbent socks will continue.
  - c. In summary, there is relatively little free phase product remaining that could go into residual phase with the reduced pumping rate. Per our telephone conversation on December 13, 2010, once the reduced pumping rate is changed, Wauleco will implement the November 2010 Product Plan for pumping wells.
2. Because we are changing conditions, is more monitoring in wells down-gradient of the site needed to see assess groundwater concentrations?

**Response:** Wauleco proposes to perform quarterly groundwater monitoring at the site for 2011. In addition, to the groundwater monitoring currently being performed during January and July, Wauleco will perform groundwater monitoring in 2011 during: 1) the end of March/beginning of April; and 2) the end of September/beginning of October. This additional monitoring will include the following:

- a. Collect samples at off-site wells W10A, W13, W19, W22, W26, W28, W39, and W41
- b. Analyze samples for PCP.
- c. Report and evaluate results in 2011 Annual Groundwater Monitoring Report that will be prepared and submitted in early 2012. Recommendations for continuing or discontinuing this monitoring will be included in the 2011 Annual Groundwater Monitoring Report.

If you have any questions or comments regarding these responses, please contact us. Thanks, Bruce

Bruce Iverson, Director of Business Development Federal Renewable Energy | **RMT** | 744 Heartland Trail  
Madison WI 53717 Direct: 608.662.5269 | Cell: 608.235.4963 | Fax: 608.831.3334 | CREATING BALANCE

---

**From:** Iverson, Bruce  
**Sent:** Tuesday, January 25, 2011 8:51 AM  
**To:** Gutknecht, Lisa A - DNR  
**Cc:** 'Brandt Bob'; 'Crass, David A (22267)'; Quinn, Kenneth  
**Subject:** Wauleco: Proposed Plan to Reduce the Pumping Rate

Lisa

In follow-up to our telephone conversation this morning, as requested following is a summary of the proposed approach at Wauleco:

1. Consistent with the remediation sequence we have previously discussed, given the lack of product recovery the past two winters, typically our greatest product recovery months, and in particular these past three months were no product was recovered, we would like to turn off the product recovery system and revise the pumping rate to assess what effect it has on groundwater concentrations as part of our long term closure strategy.

2. As part of this, we will perform monthly water table elevations, similar to what is being done as part of the quarterly reports.
3. We'll continue to implement the "socks in wells" approach as presented in my 11-18-10 email to you.
4. We'll prepare water table elevation maps monthly for the first three months to demonstrate that containment is being achieved, and then quarterly to assess seasonal changes.
5. We'll provide this information in the quarterly reports, unless we see something not expected and then we'll contact you to discuss.
6. We can discuss the results as part of our Annual Meeting that we will target for May 2011 at which time we will have 3 months of results we can discuss

As we discussed, neither of us were aware of any specific approvals needed from the WDNR for Wauleco to implement this plan. However, consistent with our approach and relationship with you to date, we wanted to keep you informed of our approach. Let's plan on touching base next week after you have had a chance to review this proposed plan. In the meantime, if you have any questions, please contact me. Thanks, Bruce

Bruce Iverson, Director of Business Development Federal Renewable Energy | **RMT** | 744 Heartland Trail  
Madison WI 53717 Direct: 608.662.5269 | Cell: 608.235.4963 | Fax: 608.831.3334 | CREATING BALANCE

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## **APPENDIX B**

### **HISTORICAL GROUNDWATER ANALYTICAL RESULTS**

- B1 Water Quality Indicators
- B2 Phenolics
- B3 Volatile Organic Compounds



**B1**

**Water Quality Indicators**

Water Quality Indicators - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W01A

Date	#2 Fuel Oil (mg/L)	#6 Fuel Oil (mg/L)	Ammonia Nitrogen Total (mg/L)	Gasoline (mg/L)	Kerosene (mg/L)	Nitrate + Nitrite Nitrogen (mg/L)	Nitrogen, Nitrate (mg/L)	Phosphorus, Phosphate (mg/L)	Total Chloride (mg/L)	Dissolved Mercury (ug/L)	Total Mercury (ug/L)	TPH as Mineral Spirits (ug/L)	Sodium (ug/L)
02/19/1992							3.32		107			<630	
06/14/1992							2.94		85.2			<500	
09/17/1992			<1				1.97	1.86	89.8			<500	43,000
12/18/1992			<1				2.58		62.5			11,000	33,000
03/23/1993			0.24			2.22			83			2,500	36,600
06/28/1993			0.11			2.18			77			2,800	
12/28/1993			<0.2			2.86			92			<1000	
04/25/1994			0.27			1.36			117				
06/21/1994			0.15			1.62			96			6,000	
10/04/1994			0.24			2.3			93				
01/05/1995			0.37			1.69			103				
03/10/1995			0.23			2.2			115				
07/05/1995	<0.25		0.17	<0.25	<0.25	2.77			136			380	
09/13/1995			0.36			1.61			80				
12/18/1995			0.2			2.61			147				
03/21/1996			0.4			2.7			134				
07/10/1996	<0.25	<1	0.16	<0.25	<0.25	2.22			75			950	
09/25/1996			<0.1			2.26			97				
01/21/1997			<0.1			2.14			118				
07/11/1997			<0.1			2.14			89.4			49,000	
01/02/1998			<0.1			2.03			161				
06/23/1998			<0.1			2.1			110	<0.2		33,000	
01/26/1999			<0.1			3.09			245	<0.2			
06/09/1999			0.29			1.98			158			110,000	
01/11/2000			<0.1			2.98			209	<0.16			
07/18/2000			<0.02			3.07			165	<0.16		94,000	
01/31/2001			<0.02			3.80			194	<0.12		560	
07/09/2001			0.15			5.40			100	<0.14		45,000	
01/15/2002			<0.020			4.10			150				
08/06/2002			<0.020			5.80			150	<0.070		13,000	
01/14/2003			<0.070			3.60			76				
07/22/2003			0.14			2.70			51	<0.070		10,000	
01/20/2004			0.068			1.60			65				
07/13/2004			<0.030			3.04			38.1	<0.11		830 Y	
01/19/2005			<0.030			3.20			60				
07/21/2005			<0.030			2.10			66	<0.090		900	
01/17/2006			<0.023			1.73			74.3				
07/18/2006			<0.023			4.00			94	<0.060		15,000	
01/23/2007			<0.023			5.10			190				
07/11/2007			<0.021			4.10			170	0.08		1,800 Q	
01/29/2008			<0.021			5.5 Q			230 Q				
07/23/2008			<0.080			6.60			180	<0.050		500	
01/20/2009			<0.080			4.40			300				
07/06/2009			0.3			7.00			240	<0.040		14,000	
01/18/2010			<0.030			5.20			240				
07/13/2010			<0.050			5.30			290	<0.040		3,800 M	
01/24/2011			0.058			6.50			220				
07/19/2011			0.039			4.90			91	0.10		2,100	
01/23/2012			0.16			3.70			180				
07/06/2012			<0.030			5.10			140	0.020		1,800	
01/04/2013			<0.030			3.20			140				
07/05/2013			0.084			3.30			63	0.030		1,500	
07/07/2014							4.7			<0.016		3,300	
07/07/2015							4.2			<0.050		830	
07/06/2016							4.4			0.042		410	
07/11/2017							4.2			<0.020		360 B	
07/12/2018							3.3			0.054		210 Q	
07/09/2019							3.4			<0.020		120	
07/08/2020							3.7			<0.020		41	

Water Quality Indicators - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W02

Date	#2 Fuel Oil (mg/L)	#6 Fuel Oil (mg/L)	Ammonia Nitrogen Total (mg/L)	Carbon, Total Organic (mg/L)	Gasoline (mg/L)	Kerosene (mg/L)	Nitrate + Nitrite Nitrogen (mg/L)	Nitrogen, Nitrate (mg/L)	Oil and Grease (mg/L)	Phosphorus, Phosphate (mg/L)	Solids, Total Dissolved (mg/L)	Solids, Total Suspended (mg/L)	Sulfate (mg/L)	Total Chloride (mg/L)	Dissolved Mercury (ug/L)	Total Mercury (ug/L)	TPH as Mineral Spirits (ug/L)	Sodium (ug/L)	Arsenic (ug/L)	Barium (ug/L)	Chromium (ug/L)	Chromium, Total (ug/L)	Iron (ug/L)
01/08/1987				7.01				2.94	<5		436	3848	30.2						22.3	769	<10	371	<100
06/04/1987				6.62				2.73	<5		491	9260	29.9						<10	<200	<10		140
09/03/1987				3.9				3.56	<5		421	11100	20.5						<10	<200	<10		
12/03/1987				1.66				3.56	<6		347	1480	38.5										
03/02/1988				3.49				3.16	14.7		457	1590	32.4	125									
04/07/1988				3.68				3.73	<6		441	1900	27	119					<10	<200	<10		
08/10/1988				7.44				1.47	8.53		585	2040	37.9	133					<10	<200	<10		
11/15/1988				12				0.99	9.39		419	352	28.8	122					<10	<200	<10		
01/26/1989				4.37				1.94	6.45		437	629	<10	128									
04/27/1989				10.5				0.71	19.3		373	2660	31	144					<10	<200	<10		
07/27/1989				50.4				0.78	7.76		1,720	1200	32.6	103					<10	<200	<10		
10/26/1989				4.91				1.05	<6		473	1380	35.8	127					<10	<200	<10		
01/25/1990				13.3				0.3	11.4		331	1190	31.7	95.4					<10	<200	<10		
05/03/1990				10.6				0.61	<6		462	808	10.6	129					<10	<200	<10		
09/20/1990				7.24				0.66	9.21		428	1320	29.4	132					<10	<200	<10		
12/11/1990				11.9				1.83	<6		403	1900	33.6	97.5					<10	<200	<10		
01/30/1991				14.2				4.71	11.6		364	936	35.9	95.8					<10	<200	<10		
05/01/1991				23.9				4.13	20		477	894	32.5	107					<10	<200	<10		
10/08/1991				14				<0.02	12.7		450	1460	29.8	117					<10	<200	<10		
02/20/1992								<0.02	0					119			1,110						
06/14/1992								0.054	220					128			<500						
09/17/1992			<1					0.023		2.52				158			<500	65,800					
12/18/1992			<1					0.093						182			35,000	68,300					
03/24/1993			0.17					0.55						239			3,500	88,600					
04/25/1994			0.17					0.18						151									
06/22/1994			<0.1					1.46						146			5,500						
10/04/1994			0.16					0.13						117									
01/05/1995			<0.1					1.11						120									
03/10/1995			0.13					1.34						117									
07/06/1995	<0.25		0.41		<0.25	<0.25		0.79						113			8,800						
09/13/1995			0.13					0.66						114									
12/18/1995			0.14					0.69						97									
03/21/1996			0.13					0.74						89									
07/10/1996	<0.25	<1	0.13		<0.25	<0.25		1.2						58			4,200						
01/21/1997			<0.1					1.13						93									
07/11/1997			<0.1					0.17						54.5			<450						
01/02/1998			<0.1					0.54						76	0.4		9,100						
06/25/1998			<0.1					1.12						76									
01/27/1999			0.1					<0.41						<41	<0.6								
01/15/2003			<0.070					2.4						120									
07/22/2003			0.077					0.96						60	2		35,000						
01/21/2004			0.21 J					0.35 J						35									
01/21/2004			0.19 JB					0.37 J						34									
07/14/2004			0.086 J					1.27						26.9	0.83		9,400 Q						
01/20/2005			0.044Q					0.78						28									
01/20/2005			0.032Q					0.8						28									
07/21/2005			0.16					0.25						44	0.61		19,000						
7/21/2005																							
Duplicate			0.15					0.4						33	0.69		17,000						
01/17/2006			0.15					0.17						31.9									
1/17/2006																							
Duplicate			0.15					0.4						23.4									

Water Quality Indicators - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W02

Date	#2 Fuel Oil (mg/L)	#6 Fuel Oil (mg/L)	Ammonia Nitrogen Total (mg/L)	Carbon, Total Organic (mg/L)	Gasoline (mg/L)	Kerosene (mg/L)	Nitrate + Nitrite Nitrogen (mg/L)	Nitrogen, Nitrate (mg/L)	Oil and Grease (mg/L)	Phosphorus, Phosphate (mg/L)	Solids, Total Dissolved (mg/L)	Solids, Total Suspended (mg/L)	Sulfate (mg/L)	Total Chloride (mg/L)	Dissolved Mercury (ug/L)	Total Mercury (ug/L)	TPH as Mineral Spirits (ug/L)	Sodium (ug/L)	Arsenic (ug/L)	Barium (ug/L)	Chromium (ug/L)	Chromium, Total (ug/L)	Iron (ug/L)
01/18/2010			0.23				1.7							83									
1/18/2010 Duplicate			0.13				3.9 V							79									
07/15/2010			0.24				1.6							180	0.49		13,000						
01/25/2011			0.12				3.1							200									
07/20/2011			0.042				1.8							84	0.86		17,000						
01/18/2012			0.28				2.3							230									
07/10/2012			0.18				1.2							150	0.8		6,100						
7/10/2012 Duplicate			0.17				1.2							200	0.82		2,800						
01/07/2013			<0.030				3.9							72									
07/08/2013			<0.040				1.6							61	0.29		6,400						
07/16/2014								1.5							<0.016		4,500						
07/08/2015								2.1							<0.050		4,600						
07/07/2016								1.6							0.063		2,400						
7/7/2016 Duplicate								1.6							0.065		2,900						
07/13/2017								0.96							<0.020		3,200						
7/13/2017 Duplicate								2.6							<0.020		3,000						
07/12/2018								3.4							0.037		2700 Q						
7/12/2018 Duplicate								1.3							0.03		2400 Q						
07/11/2019								1.8							<0.020		500						
7/11/2019 Duplicate								1.9							<0.020		520						
07/14/2020								1.4							<0.020		640						
7/14/2020 Duplicate								1.4							<0.020		1,100						
07/13/2021								1.7							<0.020		4,000						
7/13/2021 Duplicate								1.7							<0.020		2,900						
07/12/2022								3.6							0.020		2,600						
7/12/2022 Duplicate								5							0.048		2,500						
07/11/2023								3.1							<0.020		3,000						
7/11/2023 Duplicate								4.1							0.026		2,100						

Water Quality Indicators - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W03A

Date	#2 Fuel Oil (mg/L)	Ammonia Nitrogen Total (mg/L)	Nitrate (mg/L)	Nitrate + Nitrite Nitrogen (mg/L)	Total Chloride (mg/L)	Dissolved Mercury (ug/L)	Total Mercury (ug/L)	TPH as Mineral Spirits (ug/L)	Total Sulfate (mg/L)	Total Organic Carbon (mg/L)	Dissolved Iron (mg/L)	Dissolved Manganese (ug/L)
01/18/2010		<0.030		<0.12 V	160							
07/15/2010		<0.050		<0.30 V	560		0.97	45,000 MY				
01/24/2011		<0.050		<0.060	35							
07/20/2011		0.031		<0.18	35		0.64	10,000				
01/18/2012		<0.17		<0.18	17							
1/18/2012 Duplicate		<0.17		<0.18	17							
07/10/2012		<0.030		<0.030	170		0.58	5,900				
01/07/2013		<0.030		<0.040	19							
07/05/2013		<0.040		<0.080	280		0.3	7,900				
01/21/2014			0.19									
07/09/2014			0.13			<0.016		4,600				
7/9/2014 Duplicate			0.13			<0.016		4,800				
01/19/2015			<0.040									
07/08/2015			<0.040			<0.050		9,700				
7/8/2015 Duplicate			<0.040			<0.050		11,000				
01/19/2016			<0.040									
07/07/2016			<0.040			0.046		2,900				
01/19/2017			<0.040									
07/17/2017			<0.040			<0.020		3,400	3.1	4.6	2840	4920
01/11/2018			<0.040					5,000	1.7	6.9	1290	1150
07/18/2018			<0.12			<0.020		4,400	220	6.8	7450	12800 M
01/24/2019			<0.12					5,000	4.3	4.6	1460	800
07/11/2019			<0.12			<0.020		9,300	1.1	4.6 Y	7100	13200
01/13/2020			<0.12					31,000	1.4	5.3	1630	915
07/08/2020			0.33			<0.020		27,000	2.1	6.5	4590	3900
01/12/2021			<0.12					3,300	2.2	3.3	1180	1020
07/13/2021			<0.12			<0.020		16,000	2.5	7.1	1880	1540
7/13/2021 Duplicate			<0.12			<0.020		23,000	2	6.9	2070	1730
01/17/2022			<0.12					2,300	1.9	5.6	911	708
07/11/2022			<0.12			<0.020		11,000	19	4.8	5280 M	6970 M
01/11/2023			<0.12					1,800	3.6	4.6	1530	894
07/10/2023			<0.12			<0.020		28,000	17	6.2	4340	3470

Water Quality Indicators - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W03B

Date	#2 Fuel Oil (mg/L)	#6 Fuel Oil (mg/L)	Ammonia Nitrogen Total (mg/L)	Gasoline (mg/L)	Kerosene (mg/L)	Nitrate + Nitrite Nitrogen (mg/L)	Nitrogen, Nitrate (mg/L)	Phosphorus, Phosphate (mg/L)	Total Chloride (mg/L)	Dissolved Mercury (ug/L)	Total Mercury (ug/L)	TPH as Mineral Spirits (ug/L)	Sodium (ug/L)	Arsenic (ug/L)
06/17/1991						4.2	4.2	<1	18			6000		<1
02/22/1992						4.62	4.62		16.5			1000		
09/17/1992			<1			4.59	4.59	<1	12.2			1100	<5000	
12/18/1992			<1				3.58		13.4			3000	5970	
03/23/1993			<0.1			3.75			14			<500	4900	
06/29/1993			0.33			3.47			18			<1000		
12/28/1993			<0.2			3.88			14			<1000		
06/22/1994			<0.1			4.23			15			<1000		
07/06/1995	<0.25		0.2	<0.25	<0.25	3.66			14			<250		
07/10/1996	<0.25	<1	<0.1	<0.25	<0.25	3.96			14			<250		
07/11/1997			<0.1			3.93			14			<260		
06/24/1998			<0.1			3.48			16.9	<0.2		<250		
06/09/1999			0.12			3.82			15.7			<100		
07/18/2000			<0.02			3.72			20.4	<0.16		<500		
01/31/2001			<0.02			3.87			18.3	<0.12		<500		
07/11/2001			<0.020			3.6			18	<0.14		<500		
08/06/2002			<0.020			4.400			23	<0.070		<500		
07/24/2003			<0.011			3.3			21	<0.070		<27		
07/13/2004			<0.030			4.09			20.8	0.13 J		<27		
07/20/2005			<0.030			3.7			29	<0.090		<27		
07/18/2006			<0.023			2.8			29	<0.060		<510		
07/11/2007			<0.021			2.6			27	<0.080		<27		
07/23/2008			<0.080			3.2			43	<0.050		78		
07/06/2009			0.31			0.74			42	<0.040		<27		
07/15/2010			<0.050			2.5			100	<0.040		430		
07/18/2011			<0.022			2.2			52	<0.030		300		
07/06/2012			<0.030			3.4			57	0.020		50		
07/01/2013			<0.040			2			140	<0.016		110		
07/09/2014							3			<0.016		<27		
07/07/2015							3.3			<0.050		45		
07/05/2016							3.9			0.090		<33		
07/13/2017							2.9			<0.020		57		
07/11/2018							3.4			0.062 M		<31		
07/09/2019							3.1			<0.020		<33		
07/07/2020							3			<0.020		<34		
07/08/2021							3.4			<0.020		<34 Q		
07/11/2022							3.3			<0.020		<32		
07/06/2023							3.5			<0.020		<32		

Water Quality Indicators - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W06R

Date	Ammonia Nitrogen Total (mg/L)	Nitrate (mg/L)	Nitrate + Nitrite Nitrogen (mg/L)	Total Chloride (mg/L)	Dissolved Mercury (ug/L)	Total Mercury (ug/L)	TPH as Mineral Spirits (ug/L)	Total Sulfate (mg/L)	Total Organic Carbon (mg/L)	Dissolved Iron (mg/L)	Dissolved Manganese (ug/L)
07/24/2003	0.018		0.49	47		1.6	140,000				
07/23/2008	0.26		1.4	170		1.6	120,000				
7/23/2008 Duplicate	0.24		1.7	170		0.54	130,000				
01/19/2010	0.096		0.59	140							
07/14/2010	0.23		9.5	96		0.37	69,000				
01/25/2011	0.11		1.7	210							
1/25/2011 Duplicate	0.18		1.4	170							
07/25/2011	<0.022		0.65	86		1.6 Y	10,000				
01/18/2012	0.35		1.6	200							
07/09/2012	0.087		1.3 M	76		0.22	3,900				
01/07/2013	0.068		1.2	77							
07/08/2013	0.14		4.8	52		0.21	14,000				
7/8/2013 Duplicate	0.12		3.9	54		0.24	13,000				
01/21/2014		1.2									
1/21/2014 Duplicate		1.2									
07/09/2014		7.6			<0.016		2,500				
01/19/2015		3									
07/09/2015		3.9			<0.050		3,200				
7/9/2015 Duplicate		3.6			<0.050		2,800				
01/19/2016		3.4									
1/19/2016 Duplicate		3									
07/12/2016		4.6			0.15		400				
01/16/2017		0.8									
07/18/2017		4.9			<0.020		50	83	8.7	<59	12
01/11/2018		1.3					1,900	46 M	7.8	<59	92
07/12/2018		2.7			0.034		97 Q	54 M	3.8	<59	67.7
01/24/2019		0.68					570	30	6	<59	167
07/11/2019		3.2			<0.020		370	50	7.4	<59	652
01/13/2020		0.22					2,900	16	8.6	<59	1010
07/08/2020		3			<0.020		110	35	4.9	<59	53.7
01/07/2021		0.14					4,800	11	15	48	1120 M
07/13/2021		0.98			<0.020		590	38	6.3	<36	219
01/13/2022		0.53					2,100	21	11	67.6	1140
07/12/2022		2.5			<0.020		250	33	3.9	<27	474
01/17/2023		0.59					3,000	20	9.5	<27	1340
07/11/2023		2			<0.020		370	38	3.1	<25	442
7/11/2023 Duplicate		1.7			<0.020		460	32	3.4	<25	359

Water Quality Indicators - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W08

Date	#2 Fuel Oil (mg/L)	#6 Fuel Oil (mg/L)	Alkalinity, Bicarbonate (mg/L)	Ammonia Nitrogen Total (mg/L)	Carbon, Total Organic (mg/L)	Gasoline (mg/L)	Kerosene (mg/L)	Nitrate (mg/L)	Nitrate + Nitrite Nitrogen (mg/L)	Nitrogen, Nitrate (mg/L)	Oil and Grease (mg/L)	Phosphorus, Phosphate (mg/L)	Sulfate (mg/L)	Total Chloride (mg/L)	Dissolved Mercury (ug/L)	Total Mercury (ug/L)	TPH as Mineral Spirits (ug/L)	Sodium (ug/L)	Arsenic (ug/L)	Barium (ug/L)	Chromium (ug/L)	Chromium, Total (ug/L)	Dissolved Iron (ug/L)	Iron (ug/L)	Calcium (ug/L)	Magnesium (ug/L)	Dissolved Manganese (ug/L)	Potassium (ug/L)	
01/08/1987					6.28					<0.02	<5		22.7	33					<10	382.5	<10	96		250					
06/04/1987					2.74					2.18	<5		<10	28.1					<10	<200	<10			130					
09/03/1987					2.9					0.99	18.5		26	24					<10	<200	<10								
12/03/1987					3.52					0.54	<6		30.1	17.2															
03/03/1988					2.44					0.73	<6		20.7	25.7															
04/07/1988					4.7					1.1	7.38		31.5	25.5					<10	<200	<10								
08/10/1988					3.3				220	0.49	<6		79.1	18.2					<10	<200	<10								
11/15/1988					3.59					0.57	9.22		13	23					<10	<200	<10								
01/26/1989					1.93					0.51	<6		<10	21.5															
04/27/1989					2.82					0.63	8.77		20.7	19					<10	<200	<10								
07/27/1989					50.4					1.01	<6		25.5	20.8					<10	<200	<10								
10/26/1989					3.06					0.59	<6		21.5	18					<10	<200	<10								
01/25/1990					2.99					0.5	<6		24.3	16.4					<10	<200	<10								
05/03/1990					2.58					0.35	<6		20.5	16					<10	<200	<10								
09/20/1990					2.69					0.3	<5		<10	19.5					<10	<200	<10								
12/11/1990					5.52					0.58	<5		14.6	17.5					<10	<200	<10								
01/29/1991					4.12					0.74	<6		16.3	19.7					<10	<200	<10								
05/01/1991					5.96					0.58	<6		10.6	14.4					<10	<200	<10								
10/08/1991					2.94					0.86	<6		21.8	48.6					<10	<200	<10								
10/29/1991			79.4										18	42.6			13500			<200	<10				38600	10500		<5000	
12/22/1991			54.5										17.2	31.7			10800			<200	<10				25400	6970			
02/20/1992										2.87				33.7															
06/14/1992										2.66				73					<500										
09/17/1992					<1					2.98		1.53		58					<500	15700									
12/19/1992					<1					2.38				59.8					2000	16000									
03/23/1993					0.2					5.06				60					<500	15300									
06/28/1993					0.18					1.85				66					<1000										
12/27/1993					<0.2					2.58				62					<1000										
04/25/1994					0.1					2.72				74															
06/21/1994					<0.1					2.41				72					<1000										
10/04/1994					<0.1					0.44				56															
01/05/1995					<0.1					2.44				60															
03/09/1995					<0.1					2.52				82															
07/06/1995	<0.25				0.13	<0.25	<0.25			2.53				76					<250										
09/13/1995					<0.1					2.18				73															
12/18/1995					<0.1					1.8				61															
03/20/1996					0.12					3.22				59															
07/08/1996	<0.25	<1			<0.1	<0.25	<0.25			2.18				71					<250										
09/25/1996					<0.1					2.02				46															
01/21/1997					<0.1					2.85				70															
07/11/1997					<0.1					3.62				75.6					<250										
01/02/1998					<0.1					3				74.4															
06/23/1998					<0.1					3.04				84.7		<0.2			<250										
01/26/1999					<0.1					3.18				101															
06/07/1999					<0.1					3.16				73.4					<100										
01/11/2000					<0.1					3.45				122		<0.16													
07/17/2000					<0.02					2.77				174		<0.16			<500										
01/30/2001					<0.02					3.71				148		<0.12			<500										
07/10/2001					<0.02					3.20				72		<0.14			<500										
01/15/2002					<0.020					4.50				260															
08/05/2002					<0.020					4.00				100		<0.070			<500										



Water Quality Indicators - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W08

Date	#2 Fuel Oil	#6 Fuel Oil	Alkalinity, Bicarbonate	Ammonia Nitrogen Total	Carbon, Total Organic	Gasoline	Kerosene	Nitrate	Nitrate + Nitrite Nitrogen	Nitrogen, Nitrate	Oil and Grease	Phosphorus, Phosphate	Sulfate	Total Chloride	Dissolved Mercury	Total Mercury	TPH as Mineral Spirits	Sodium	Arsenic	Barium	Chromium	Chromium, Total	Dissolved Iron	Iron	Calcium	Magnesium	Dissolved Manganese	Potassium	
	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	
01/14/2003				<0.070					5.60					98															
07/22/2003				0.015					3.90					89		<0.070	<27												
01/20/2004				<0.03					4.80					150															
07/12/2004				<0.030					4.34					76.8		<0.11	30 J												
01/19/2005				<0.030					6.90					130															
07/19/2005				<0.030					5.4					110		<0.090	42												
01/17/2006				<0.023					5.88					99.6															
07/18/2006				<0.023					6.10					60		<0.060	<660												
01/23/2007				<0.023					6.70					100															
07/09/2007				<0.021					5.50					96		<0.080	<31												
01/28/2008				<0.021					6.4 Q					100															
07/22/2008				<0.080					4.20					89		<0.050	77												
01/20/2009				<0.080					7.50					120															
07/06/2009				<0.030					6.00					92		<0.040	<26												
01/18/2010				<0.030					<0.12					130															
07/13/2010				<0.050					6.20					120		<0.040	<26												
01/25/2011				<0.050					4.50					120															
07/18/2011				<0.022					3.90					98		0.050	<27												
01/17/2012				<0.17					6.70					120															
07/06/2012				<0.030					5.00					87		0.030	<27												
01/04/2013				<0.030					4.60					82															
07/01/2013				<0.040					3.40					88		<0.016	<26												
01/22/2014					0.75					5.1			26				<27							<5.0			<0.5		
07/07/2014					0.9					3.1			22		<0.016		<27							12.5			<1.6		
01/15/2015					1.2					3.5			18				<27 M							<10			<1.6		
07/06/2015					2.2					4			20		<0.050		<27							<10			<1.6		
01/13/2016					1					5.5			22				<27							135			<1.6		
07/05/2016					0.86					3.5			18		0.030		<34							32.1			<1.6		
01/16/2017					1.6					4.1			23				<33							<59			<2.2		
07/10/2017					0.90					3			18		<0.020		<43							<59			<2.2		
01/10/2018					0.82					4.6			26				<33							<59			<2.2		
07/10/2018					0.43					4.2			16		<0.020		<31							<59			<2.2		
01/22/2019					1.30					3.5			15				<32							<59			<2.2		
07/08/2019					1.30					3			16		<0.020		<32							<59			<2.2		
01/09/2020					2.80					4.3			15				80 B							<59			<2.2		
07/06/2020					1.50					3.7			18		<0.020		<37 Q							<59			<2.2		
01/07/2021					0.77					4.6			20				<34							<36			<1.4		
07/06/2021					<0.4					4.5			20		<0.020		<35							<36			<1.4		
01/11/2022					1.90					5			20				<31							<27			4.8		
07/05/2022					1.50					4.6			16		<0.020		<32							38.2			1.4		
01/09/2023					0.87					5.1			22				<34							<27			<1.2		
07/05/2023					1.8					3.9 H			15		<0.020		<32							43.2			<2.4		

Water Quality Indicators - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W09

Date	#2 Fuel Oil (mg/L)	#6 Fuel Oil (mg/L)	Alkalinity, Bicarbonate (mg/L)	Alkalinity, Total (mg/L)	Ammonia Nitrogen Total (mg/L)	Carbon, Total Organic (mg/L)	Gasoline (mg/L)	Kerosene (mg/L)	Nitrate + Nitrite Nitrogen (mg/L)	Nitrogen, Nitrate (mg/L)	Oil and Grease (mg/L)	Phosphorus, Phosphate (mg/L)	Solids, Total Dissolved (mg/L)	Solids, Total Suspended (mg/L)	Sulfate (mg/L)	Total Chloride (mg/L)	Dissolved Mercury (ug/L)	Total Mercury (ug/L)	TPH as Mineral Spirits (ug/L)	Sodium (ug/L)	Arsenic (ug/L)	Barium (ug/L)	Chromium (ug/L)	Iron (ug/L)	Calcium (ug/L)	Magnesium (ug/L)	Potassium (ug/L)
06/04/1987						19.4				0.22	8.15		455	8790	<10	117					<10	<200	<10	3980			
09/03/1987						7.47				0.04	11.2		381	860	<10	71.9					<10	<200	<10				
12/03/1987						8.63				<0.02	<6		312	407	22	40											
03/02/1988						8.33				0.08	13.4		336	1260	13.8	51.4											
04/07/1988						7.3				0.13	<5		272	812	17.3	48					<10	<200	<10				
08/10/1988						10.6				0.02	9.35		163	6430	29.9	45.6					<10	<200	<10				
11/15/1988						8.68				0.05	<6		1330	128	<10	35					<10	<200	<10				
01/26/1989						6.83				0.03	6.47		310	294	<10	39.1											
04/27/1989						6.79				0.09	6.92		338	987	10.9	55					<10	<200	<10				
07/27/1989						31.8				0.12	<6		358	962	12.3	44.7					<10	<200	<10				
10/26/1989						8.25				0.2	<5		344	960	10	45.6					<10	<200	<10				
01/25/1990						7.84				0.07	<6		333	579	<10	58.8					<10	<200	<10				
05/03/1990						15.9				0.02	<6		366	291	<10	71					<10	<200	<10				
09/20/1990						12.1				0.04	<5		346	490	<10	32.5					<10	<200	<10				
12/11/1990						5.91				0.06	<6		416	336	12.1	98.4					<10	<200	<10				
01/29/1991						8.42				0.04	<6		493	467	11.2	153					<10	<200	<10				
05/01/1991						9.83				0.65	<6		527	454	13.1	144					<10	257	<10				
10/08/1991						70.8				0.44	<6		526	1260	<10	142					<10	<200	<10				
10/29/1991			209	209								1.25			11.5	172				90,300		211			67,600	17,600	<5000
12/22/1991			223	223								2.69			<10	118				83,800		<200			50,000	13,100	<5000
06/18/1992					1.36					<0.02		2.99				82.6			<500								
12/17/1992					<1					0.063						39.3			3,000	76,400							
06/28/1993					0.27					0.5						40			<1000								
12/28/1993					0.83					0.08						135			<1000								
06/22/1994					0.58					0.23						67			<1000								
07/05/1995	<0.25				0.91		<0.25	<0.25		0.1						204			<250								
07/09/1996	<0.25	<1			0.4		<0.25	<0.25		<0.02						67			290								
07/11/1997					0.3					0.16						37.1			<270								
06/24/1998					0.16					<0.14						64		2.5	<250								
06/07/1999					0.39					<0.14						48.2			<100								
07/18/2000					0.08					<0.08						21.9		0.96	<500								
01/30/2001					0.190					<0.08						29.0		1.1	<500								
07/10/2001					0.280					<0.18						31.0		<0.14	<500								
07/23/2003					0.460					<0.13						45.0		0.42	150								
07/12/2004					0.40					<0.13						49.5		0.53	270								
07/18/2005					0.36					<0.10						68		0.92	2,400								
07/18/2006					0.24					220						60		1.0	1,500								
07/10/2007					0.25					0.33						46		2.6	56								
07/23/2008					0.26					<0.12						43		1.1	110								
07/07/2009					0.26					0.48						110		0.22	3,300								
07/13/2010					0.37					0.19 V						180		0.43	1,900								
07/18/2011					0.32					<0.18						370		0.34	2,800								
07/19/2012					0.36					<0.030						480		4.50	2,100								
07/02/2013					0.36					<0.080						280		3.10	560								
07/10/2014										0.16								0.020 B	570								
07/07/2015										<0.040								<0.050	2,100								
07/06/2016										<0.040								0.059	51								
07/11/2017										0.11								<0.020	<38								
07/18/2018										<0.12								<0.020	110								
07/09/2019										<0.12								<0.020	<32								
07/07/2020										0.62								<0.020	<34								
07/12/2021										0.13								<0.020	59 Q								
07/06/2022										<0.12								<0.020	150								
07/06/2023										<0.12								<0.020	78								

Water Quality Indicators - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W10A

Date	#2 Fuel Oil (mg/L)	#6 Fuel Oil (mg/L)	Ammonia Nitrogen Total (mg/L)	Carbon, Total Organic (mg/L)	Gasoline (mg/L)	Kerosene (mg/L)	Nitrate + Nitrite Nitrogen (mg/L)	Nitrogen, Nitrate (mg/L)	Oil and Grease (mg/L)	Phosphorus, Phosphate (mg/L)	Solids, Total Dissolved (mg/L)	Solids, Total Suspended (mg/L)	Sulfate (mg/L)	Total Chloride (mg/L)	Dissolved Mercury (ug/L)	Total Mercury (ug/L)	TPH as Mineral Spirits (ug/L)	Sodium (ug/L)	Arsenic (ug/L)	Barium (ug/L)	Chromium (ug/L)	Chromium, Total (ug/L)	Dissolved Iron (ug/L)	Iron (ug/L)	Dissolved Manganese (ug/L)
01/08/1987				16.2				<0.02	10.5		374	5875	30.4	68					154	1920.5	<10	994		290	
06/04/1987				16.9				<0.02	21.5		328	6360	31.2	74.4					<10	<200	<10			4330	
09/03/1987				7.62				<0.02	35.2		236	7970	24.4	46.9					<10	<200	<10				
12/03/1987				7.21				0.02	8.88		224	1100	38.2	5.07											
03/03/1988				11.2				<0.02	10.5		280	2800	27.6	64.7											
04/07/1988				10.9				0.13	13.7		270	1900	26.2	59.2					<10	<200	<10				
08/10/1988				15.2				<0.02	13.3		153	5930	34.8	58.8					<10	<200	<10				
11/15/1988				15.2				<0.02	21.7		283	153	<10	66					<10	<200	<10				
01/26/1989				13.9				<0.02	18.6		305	399	17	51.8											
04/27/1989				12.3				<0.02	9.5		303	1720	26.7	48					<10	<200	<10				
07/27/1989				68.4				<0.02	15.3		315	2020	32.8	57.6					<10	<200	<10				
10/26/1989				11.2				<0.02	19.3		332	1150	37.4	57					<10	<200	<10				
01/25/1990				17.3				<0.02	15.4		288	1740	36.4	65.6					<10	<200	<10				
05/03/1990				13.1				0.03	19.3		257	214	27.9	55					<10	<200	<10				
09/20/1990				8.34				<0.02	13.7		367	804	23.3	96.8					<10	<200	<10				
12/11/1990				13.4				<0.02	<6		292	684	30.9	66.1					<10	<200	<10				
01/29/1991				14.2				<0.02	18		283	863	26.1	69.1					<10	<200	<10				
05/01/1991				13.8				0.03	10.8		286	1170	23.6	68.3					<10	<200	<10				
10/08/1991				12.5				0.41	14.9		361		25.7	77.4					<10	<200	<10				
07/08/1992				<1				0.22		2.74				124					<500						
12/18/1992				<1				0.096						67					1,000	28,000					
06/30/1993				0.16				<0.02						53					1,200						
12/28/1993				<0.2				0.02						58					<1000						
06/22/1994				0.13				0.03						45					1,400						
07/06/1995	<0.25			0.38				<0.02						49					2,800						
07/09/1996	<0.25	<1		<0.1				<0.02						47					2,400						
07/11/1997				<0.1				<0.14						32.5					<260						
06/24/1998				<0.1				<0.14						59.9		0.5			3,300						
06/08/1999				<0.1				<0.14						80					<1000						
07/17/2000				<0.02				<0.08						77.7		0.55			2,900						
01/30/2001				<0.02				<0.08						80.8		<0.12			3,000						
07/10/2001				<0.02				0.30						51		<0.14			2,200						
08/06/2002				<0.020				<0.18						70		0.15			3,000						
07/23/2003				0.041				<0.13						57		0.38			3,600						
07/14/2004				<0.030				<0.13						47.9		0.36			3,500						
07/20/2005				<0.030				<0.10						40		0.15			5300M						
07/19/2006				<0.023				<0.13						48		0.12			4000 Q						
07/09/2007				<0.021				<0.19						160		0.14			3900 Q						
07/23/2008				0.094				<0.12						180		0.17			2,600						
7/23/2008 Duplicate				0.19				0.35						180		0.15			2,800						
07/06/2009				0.052				<0.12		220				92		0.13			4,600						
7/6/2009 Duplicate				0.6				<0.12						94		0.12			3,400						
07/15/2010				<0.050				<0.30 V						120		0.05			6,400						
07/25/2011				<0.022				<0.18						86		0.42			3,900						
7/25/2011 Duplicate				<0.022				<0.18						89		0.42			4,200						

Water Quality Indicators - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W10A

Date	#2 Fuel Oil (mg/L)	#6 Fuel Oil (mg/L)	Ammonia Nitrogen Total (mg/L)	Carbon, Total Organic (mg/L)	Gasoline (mg/L)	Kerosene (mg/L)	Nitrate + Nitrite Nitrogen (mg/L)	Nitrogen, Nitrate (mg/L)	Oil and Grease (mg/L)	Phosphorus, Phosphate (mg/L)	Solids, Total Dissolved (mg/L)	Solids, Total Suspended (mg/L)	Sulfate (mg/L)	Total Chloride (mg/L)	Dissolved Mercury (ug/L)	Total Mercury (ug/L)	TPH as Mineral Spirits (ug/L)	Sodium (ug/L)	Arsenic (ug/L)	Barium (ug/L)	Chromium (ug/L)	Chromium, Total (ug/L)	Dissolved Iron (ug/L)	Iron (ug/L)	Dissolved Manganese (ug/L)
01/23/2012			<0.060				<0.18							62											
07/09/2012			<0.030				<0.030							59		0.45 B	3,900								
7/9/2012																									
Duplicate			<0.030				<0.030							65		0.40 B	4,800								
07/05/2013			<0.040				0.082							71		0.11	4,900								
7/5/2013																									
Duplicate			<0.040				<0.080							73		0.040	4,600								
01/24/2014				5									14				3,600						1,110		3,460
1/24/2014																									
Duplicate				5.1									14				4,300						1,130		3,510
07/10/2014				5.8				0.14					16		<0.016 Y		3,500						1,030		2,570 M
01/16/2015				5									13				2,200						1,140		2,510
1/16/2015																									
Duplicate				5.4									13				2,500						1,100		2,500
07/09/2015				7.9				<0.040					10		<0.050		3,300						944		3,050
7/09/2015																									
Duplicate				8				<0.040					10		<0.050		3,100						985		3,030
01/14/2016				6.3									11				1,000						876		2,150
1/14/2016																									
Duplicate				6.2									11				950						911		2,150
07/12/2016				7.3				<0.040					12		0.19		950						1,070		2,390
7/12/2016																									
Duplicate				6.5				<0.040					11		0.18		970						1,070		2,390
01/19/2017				7.6									15				1,500						981		1,970
1/19/2017																									
Duplicate				7.2									15				1,400						974		1,950
07/18/2017				9.4				<0.040					9.6		<0.020		1,700						1,030		3,050
7/18/2017																									
Duplicate				8.7				0.056					10		<0.020		1,800						1,040		3,080
01/11/2018				6.1									9.4				640						1,520		2,790
1/11/2018																									
Duplicate				6.1									9.4				660						1,530		2,840
07/18/2018				7				<0.12					9.6		<0.020		1,600						1,350		3,550
7/18/2018																									
Duplicate				6.3				<0.12					11		0.024		1,300						1,330		3,340
01/24/2019				6.9									8.4				1,100						1,460		3,240
1/24/2019																									
Duplicate				7									8.7				910						1,300		3,240
07/15/2019				7				<0.12					7.2		<0.020		870						1,370		3,000
7/15/2019																									
Duplicate				7.1				<0.12					7.3		<0.020		820						1,390		3,870
01/14/2020				4.5									5.2				1,000						2,060		3,850
1/14/2020																									
Duplicate				3.3									4.6				1000 B						1,940		3,690
07/13/2020				6.3				0.25					4.1		<0.020		1,900						1,860		4190 M
7/13/2020																									
Duplicate				5.6				<0.12					5.3		<0.020		1,900						1,900		4,240
01/12/2021				4									6.1				160						1,760		2,770
1/12/2021																									
Duplicate				3.8									6.1				220						1,740		2,750
07/13/2021				7.6				<0.12					4		0.025		1,500						2,100		3,790
7/13/2021																									
Duplicate				5.7				<0.12					3.8		<0.020		1,700						2,100		3,840

Water Quality Indicators - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W10A

Date	#2 Fuel Oil (mg/L)	#6 Fuel Oil (mg/L)	Ammonia Nitrogen Total (mg/L)	Carbon, Total Organic (mg/L)	Gasoline (mg/L)	Kerosene (mg/L)	Nitrate + Nitrite Nitrogen (mg/L)	Nitrogen, Nitrate (mg/L)	Oil and Grease (mg/L)	Phosphorus, Phosphate (mg/L)	Solids, Total Dissolved (mg/L)	Solids, Total Suspended (mg/L)	Sulfate (mg/L)	Total Chloride (mg/L)	Dissolved Mercury (ug/L)	Total Mercury (ug/L)	TPH as Mineral Spirits (ug/L)	Sodium (ug/L)	Arsenic (ug/L)	Barium (ug/L)	Chromium (ug/L)	Chromium, Total (ug/L)	Dissolved Iron (ug/L)	Iron (ug/L)	Dissolved Manganese (ug/L)
01/17/2022				5.1									4.8				370						2,160		3,150
1/17/2022 Duplicate				4.6									4.8				380						2,080		3,140
07/11/2022				8.2				<0.12					5.9		<0.020		1,400						2,160		4,090
7/11/2022 Duplicate				7.3				<0.12					6.7		<0.020		1,300						2,160		4,130
01/10/2023				6.1									4.6				640						2,580		3,670
1/10/2023 Duplicate				5.9									4.8				620						2,570		3,660
07/10/2023				5.9				<0.12					6.4		<0.020		1,300						2,750		3,700
7/10/2023 Duplicate				6.5				<0.12					6.5		<0.020		1,400						3,140		3,660

Water Quality Indicators - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W10B

Date	#2 Fuel Oil (mg/L)	#6 Fuel Oil (mg/L)	Ammonia Nitrogen Total (mg/L)	Gasoline (mg/L)	Kerosene (mg/L)	Nitrate + Nitrite Nitrogen (mg/L)	Nitrogen, Nitrate (mg/L)	Phosphorus, Phosphate (mg/L)	Total Chloride (mg/L)	Dissolved Mercury (ug/L)	Total Mercury (ug/L)	TPH as Mineral Spirits (ug/L)	Sodium (ug/L)
07/08/1992			<1				0.191	0.279	37			<500	6680
12/18/1992			<1				0.427		3.57			600	6680
06/29/1993			<0.1			0.37			3			<1000	
12/28/1993			<0.2			0.36			<2			<1000	
06/22/1994			0.16			0.42			<2			<1000	
07/06/1995	<0.25		0.3	<0.25	<0.25	0.33			<2			<250	
07/09/1996	<0.25	<1	<0.1	<0.25	<0.25	0.43			<2			<250	
07/11/1997			<0.1			0.36			2.34			<0.27	
06/24/1998			<0.1			0.35			1.05	<0.2		<250	
06/08/1999			<0.1			0.37			1.16			<100	
07/17/2000			<0.02			0.28			1.85	<0.16		<500	
01/30/2001			<0.02			0.33			1.15	<0.12		<500	
07/10/2001			<0.020			0.37			1.2	<0.14		<500	
08/06/2002			<0.020			1.3			9.7	<0.070		<500	
07/23/2003			<0.011			0.38			3.2	<0.070		<28	
07/14/2004			<0.030			0.750			4.46	<0.11		<27 Q	
07/14/2004			<0.030			0.750			3.42	<0.11		110 Q	
07/20/2005			<0.030			0.610			2.1	<0.090		<27	
7/20/2005 Duplicate			<0.030			0.540			2.2	<0.090		<27	
07/19/2006			<0.023			0.910			2.6	<0.060		<520	
07/09/2007			<0.021			0.420			1.5	<0.080		<26	
07/23/2008			<0.080			0.670			8.8	<0.050		83	
07/06/2009			<0.030			0.280			4.3	<0.040		<27	
07/15/2010			<0.050			0.810			2.5	<0.040		47	
07/20/2011			<0.022			0.510			6.3	<0.030		190	
01/23/2012			<0.060			0.370			3				
07/06/2012			<0.030			0.420			3.5	<0.016		98	
07/05/2013			<0.040			0.380			6.2	<0.016		81	
07/08/2014							0.5			<0.016		<27	
07/07/2015							0.58			<0.050		<27	
07/07/2016							0.6			0.051		<34	
07/17/2017							0.62			<0.020		52	
07/11/2018							0.56			<0.020		<32	
07/15/2019							0.51			<0.020		<33	
07/13/2020							0.63			<0.020		<34	
07/07/2021							0.5			<0.020		<34	
07/06/2022							0.26			<0.020		100	
07/06/2023							0.36			<0.020		44	

Water Quality Indicators - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W11

Date	#2 Fuel Oil (mg/L)	#6 Fuel Oil (mg/L)	Ammonia Nitrogen Total (mg/L)	Carbon, Total Organic (mg/L)	Gasoline (mg/L)	Kerosene (mg/L)	Nitrate + Nitrite Nitrogen (mg/L)	Nitrogen, Nitrate (mg/L)	Oil and Grease (mg/L)	Phosphorus, Phosphate (mg/L)	Solids, Total Dissolved (mg/L)	Solids, Total Suspended (mg/L)	Sulfate (mg/L)	Total Chloride (mg/L)	Dissolved Mercury (ug/L)	Total Mercury (ug/L)	TPH as Mineral Spirits (ug/L)	Sodium (ug/L)	Arsenic (ug/L)	Barium (ug/L)	Chromium (ug/L)	Chromium, Total (ug/L)	Dissolved Iron (ug/L)	Iron (ug/L)	Dissolved Manganese (ug/L)
01/08/1987				7.62				2.32	<5		404	2192	23.6	71.9					48.7	936.5	<10	275		<100	
06/04/1987				4.19				2.17	10.2		300	1430	<10	49.8					<10	<200	<10			160	
09/03/1987				5.23				3.04	26.1		253	500	21.8	30.2					<10	<200	<10				
12/03/1987				2.45				2.24	8.31		222	470	26.4	21.7							<10				
03/03/1988				4.55				1.16	<6		267	624	16.2	45.2							<10				
04/07/1988				4.04				1.55	9.97		224	592	14.9	42.9					<10	<200	<10				
08/10/1988				3.87				1.09	19.8		153	3680	31.8	64.1					<10	<200	<10				
11/15/1988				2.54				1.42	6.62		403	424	<10	58					<10	<200	<10				
01/26/1989				4.27				1.55	<6		263	521	<10	45.7							<10				
04/27/1989				12.3				2.14	<6		303	838	14.3	67					<10	<200	<10				
07/27/1989				18.8				2.37	<6		372	1050	18	61.5					<10	<200	<10				
10/26/1989				2.42				0.21	<6		205	340	14.1	22.8					<10	<200	<10				
01/25/1990				3.75				1.35	<6		255	690	16.8	69.4					<10	<200	<10				
05/03/1990				3.54				4.02	<6		268	158	20	60					<10	<200	<10				
09/21/1990				3.87				5.14	6.34		253	366	20.2	54.6					<10	<200	<10				
12/11/1990								6.36																	
12/12/1990				11.8					7.87		325	257	23.9	62.8					<10	<200	<10				
01/30/1991				6.35				8.04	7.2		338		30.6	66.7					<10	<200	<10				
05/01/1991				3.1				7.38	<6		313	606	27	50					<10	<200	<10				
10/08/1991				2.65				2.91	<5		240	670	20.2	26.8					<10	<200	<10				
06/18/1992				<1				2.67		0.736				31.4					<500						
12/17/1992				<1				2.3						32.2			17,500		<500						
06/30/1993				0.1			1.78							31						<1000					
12/28/1993				<0.2			1.89							26						<1000					
06/21/1994				<0.1			0.99							20						<1000					
07/05/1995	<0.25		<0.1		<0.25	<0.25	1.18							25						<250					
07/09/1996	<0.25	<1	<0.1		<0.25	<0.25	0.46							47						<250					
07/11/1997			<0.1				0.52							277						<250					
06/24/1998			<0.1				2.38							38.1	<0.2					<250					
06/08/1999			<0.1				2.56							30.7						<100					
07/18/2000			<0.02				1.43							40.7	0.16					<500					
01/30/2001			<0.02				0.99							39.2	<0.12					<500					
07/11/2001			<0.02				1.6							49	<0.14					<500					
08/06/2002			<0.020				1.2							60	<0.070					<500					
07/22/2003			0.021				1.2							55	<0.070					<30					
07/13/2004			<0.030				1.17							58.9	<0.11					<27					
07/19/2005			<0.030				0.49		220					62	<0.090					130					
07/19/2006			<0.023				0.62							85	<0.060					<520					
07/09/2007			<0.021				0.79							56	<0.080					<27					
07/23/2008			<0.080				0.91							70	<0.050					99					
07/07/2009			<0.030				0.78							58	<0.040					<27					
07/14/2010			<0.050				1.4							64	<0.040					340					
07/19/2011			<0.022				4.4							53	<0.030					90					
07/09/2012			<0.030				1.7							60	<0.016					190					
07/01/2013			<0.040				0.5							54	<0.016					480					
7/1/2013 Duplicate			<0.040				0.49							54	<0.016					490					
01/24/2014				1.1									13							300				<5.0	22.8
07/08/2014				2.4				0.67					16		<0.016					<26				<10	49.1
01/16/2015				2									13							270				323	188
07/06/2015				1.8				1.6					14		<0.050					200				<10	76.5
01/12/2016				1.7									14							59				<10	106
07/05/2016				1.1				1.4					15		0.096					<34				<10	79.7

Water Quality Indicators - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W11

Date	#2 Fuel Oil (mg/L)	#6 Fuel Oil (mg/L)	Ammonia Nitrogen Total (mg/L)	Carbon, Total Organic (mg/L)	Gasoline (mg/L)	Kerosene (mg/L)	Nitrate + Nitrite Nitrogen (mg/L)	Nitrogen, Nitrate (mg/L)	Oil and Grease (mg/L)	Phosphorus, Phosphate (mg/L)	Solids, Total Dissolved (mg/L)	Solids, Total Suspended (mg/L)	Sulfate (mg/L)	Total Chloride (mg/L)	Dissolved Mercury (ug/L)	Total Mercury (ug/L)	TPH as Mineral Spirits (ug/L)	Sodium (ug/L)	Arsenic (ug/L)	Barium (ug/L)	Chromium (ug/L)	Chromium, Total (ug/L)	Dissolved Iron (ug/L)	Iron (ug/L)	Dissolved Manganese (ug/L)
01/16/2017				2.1									13				270						<59		485
07/17/2017				2.4				0.93					21		<0.020		48						<59		84.2
01/10/2018				1.6									13				<34						<59		385
07/11/2018				1.1				1.6					15		<0.020		<31						<59		151
01/22/2019				1.4									11				<32						<59		415
07/09/2019				2.1				0.35					13		<0.020		<34						<59		1520
01/10/2020				1.2									10				<33						88.3		1400
07/07/2020				1.5				1.2					14		<0.020		<34						<59		372
01/11/2021				1.2									14				<32						<36		659
07/13/2021				1.2				2					8.2		<0.020		<33						<36		386
01/12/2022				1.8									8.2				82						67.2		566
07/06/2022				1.3				1.3					7.9		<0.020		68						<27		494
01/10/2023				0.8									7.6				72						<27		578
07/10/2023				0.87 Y				3.4					11		<0.020		<33						<25		159



Water Quality Indicators - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W12

Date	#2 Fuel Oil (mg/L)	#6 Fuel Oil (mg/L)	Ammonia Nitrogen Total (mg/L)	Gasoline (mg/L)	Kerosene (mg/L)	Nitrate + Nitrite Nitrogen (mg/L)	Nitrogen, Nitrate (mg/L)	Phosphorus, Phosphate (mg/L)	Total Chloride (mg/L)	Dissolved Mercury (ug/L)	Total Mercury (ug/L)	TPH as Mineral Spirits (ug/L)	Sodium (ug/L)	Dissolved Iron (ug/L)	Dissolved Manganese (ug/L)	Sulfate (ug/L)	Total Organic Carbon (ug/L)
06/18/1992			<1				9.28	1.35	159			<500					
12/17/1992			<1				10.3		140			<500	63,000				
06/29/1993			<0.1			11.3			126			<1000					
12/28/1993			0.22			8.14			108			<1000					
06/21/1994			<0.1			7.43			102			<1000					
07/06/1995	<0.25		0.28	<0.25	<0.25	6.25			105			<250					
07/08/1996	<0.25	<1	<0.1	<0.25	<0.25	7.7			89			<250					
07/11/1997			<0.1			5.5			83.6			<260					
06/23/1998			<0.1			3.97			100	<0.2		<250					
06/08/1999			<0.1			3.25			107			<100					
07/17/2000			<0.02			3.675			103.5	<0.16		<500					
01/30/2001			<0.02			5.30			106	<0.12		<500					
07/10/2001			<0.02			8.40			94	<0.14		<500					
08/05/2002			<0.020			8.50			110	<0.070		<500					
07/22/2003			0.05			8.20			94	0.08	29						
07/13/2004			<0.030			7.08			76	<0.11		<27					
07/19/2005			<0.030			3.60			93	<0.090		<27					
07/19/2006			<0.023			8.70			150	<0.060		<540					
07/09/2007			<0.021			8.40			150	<0.080		<26					
07/23/2008			<0.080			9.10			120	<0.050	88						
07/06/2009			<0.030			9.50			140	<0.040		<27					
07/14/2010			<0.050			8.200			150	<0.040		<26					
07/18/2011			<0.022			4.80			160	<0.030		<27					
01/23/2012			<0.060			1.90			91								
07/09/2012			<0.030			2.00			81	0.020 B	300						
07/01/2013			<0.040			5.80			310	<0.016		<26					
01/24/2014												<27	<5.0	<0.50		26	1.2
07/07/2014							6.8			<0.016		<27	<10	<1.6		31	2.2
01/12/2015												<27	<10	<1.6		31	1.1
07/06/2015							6.5			<0.050		<27	<10	<1.6		25	1.8
01/12/2016												<26	50.4	<1.6	<1.0		1.6
07/05/2016							6.1			0.093		<33	<10	<1.6		25	1.8
01/16/2017												<34	<59	<2.2		26	1.8
07/11/2017							6.3			<0.020		35 B	<59	<2.2		22	1.6
01/10/2018												<33	<59	<2.2		23	1.1
07/10/2018							5.9			0.13		<33	<59	<2.2		23	0.48
01/22/2019												<31	<59	<2.2		24	1.1
07/08/2019							5.1			<0.020		<32	<59	<2.2		26	2
01/07/2020												60 B	141	41.3		18	3
07/06/2020							5.7			<0.020		<34 Q	455	82.1		17	2
01/11/2021												<31	<36	<1.4		19	0.64
07/06/2021							5.2			<0.020		<35	<36	<1.4		18	0.6
01/12/2022												<33	<27	6.8		23	1.4
07/06/2022							4.8			<0.020		<32	<27	<1.2		21	1.2
01/10/2023												<33	<27	<1.2		23	0.99
07/06/2023							6.8			<0.020		<32	<25	<2.4		20	<0.4

Water Quality Indicators - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W13

Sampled	#2 Fuel Oil (mg/L)	#6 Fuel Oil (mg/L)	Ammonia Nitrogen Total (mg/L)	Gasoline (mg/L)	Kerosene (mg/L)	Nitrate (mg/L)	Nitrate + Nitrite Nitrogen (mg/L)	Nitrogen, Nitrate (mg/L)	Phosphorus, Phosphate (mg/L)	Total Chloride (mg/L)	Dissolved Mercury (ug/L)	Total Mercury (ug/L)	TPH as Mineral Spirits (ug/L)	Sodium (ug/L)	Dissolved Iron (ug/L)	Dissolved Manganese (ug/L)	Sulfate (ug/L)	Total Organic Carbon (ug/L)
06/22/1992			<1					0.825	4.46	77.4			<500					
12/19/1992			<1					1.48		146			<500	83300				
06/30/1993			<0.1				1.38			80			<1000					
12/27/1993			<0.2				5.01			200			<1000					
04/25/1994			<0.1				2.36			167								
06/22/1994			<0.1				2.84			152			<1000					
10/04/1994			0.2				5.590			132								
03/10/1995			<0.1				7.22			184								
07/06/1995	<0.25		0.3	<0.25	<0.25		6.66			163			<250					
09/13/1995			<0.1				4.59			96								
03/20/1996			0.1				4.65			133								
07/10/1996	<0.25	<1	<0.1	<0.25	<0.25		4.87			83			<250					
09/25/1996			<0.1				4.37			101								
07/11/1997			<0.1				<0.14			75.5			<270					
01/02/1998			<0.1				4.41			211								
06/24/1998			<0.1				3.57			150		<0.2	<250					
01/26/1999			<0.1				4.97			135		<0.2						
06/09/1999			<0.1				3.045			89.4			<100					
01/11/2000			<0.1				1.37			106		0.26						
07/18/2000			<0.02				4.05			119		<0.16	<500					
01/30/2001			<0.02				1.24			135		<0.12	<500					
07/10/2001			<0.02				7.9			95		<0.14	<500					
01/15/2002			0.096				2.6			94								
08/06/2002			<0.020				6.9			84		<0.070	<500					
01/14/2003			<0.070				3.5			210								
07/23/2003			<0.011				4.7			82		0.11	<27					
01/21/2004			<0.03				1.1			130								
01/21/2004			<0.03				0.90			120								
07/14/2004			<0.030				2.42			57.1		<0.11	36 J,Q					
01/19/2005			<0.030				4.9			150								
07/21/2005			<0.030				2.1			76		0.11	67					
01/17/2006			<0.023				1.36			40.3								
07/18/2006			<0.023				1.6			78		0.07	<510					
01/23/2007			<0.023				1.7			36								
1/23/2007 Duplicate			<0.023				1.6			35								
07/09/2007			<0.021				1.9			180		<0.080	<31					
01/28/2008			<0.021				2.3 Q			77								
07/24/2008			<0.080				1.2			75		0.05	83					
01/20/2009			<0.080				2.1			210								
07/06/2009			0.23				<0.12			630		<0.040	<27					
01/18/2010			<0.030				1			85								
07/13/2010			<0.050				1.7			220		0.04	29					
01/25/2011			<0.050				0.51			60								
07/19/2011			<0.022				1.0			50		0.060	42					
01/17/2012			<0.17				0.77			88								
07/06/2012			<0.030				1.00			540		<0.016	34					
01/08/2013			<0.030				1.30			120								
07/10/2013			<0.040				1.10			56		<0.016	46					
01/22/2014								1.6					<27		<5.0	11.7	12	1.6
07/16/2014								1.2			<0.016		58		<10	51.6	20	1.2
01/19/2015								0.67					<27		43.2	77.5	8.2	1.1
07/08/2015								1.3			<0.050		51		38.5 M	43.7	21	2.1
01/14/2016								1					<27		<10	19.4	9.4	2.5
07/11/2016								0.99			0.095		<33		128	40.7	16	3.1

Water Quality Indicators - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W13

Sampled	#2 Fuel Oil (mg/L)	#6 Fuel Oil (mg/L)	Ammonia Nitrogen Total (mg/L)	Gasoline (mg/L)	Kerosene (mg/L)	Nitrate (mg/L)	Nitrate + Nitrite Nitrogen (mg/L)	Nitrogen, Nitrate (mg/L)	Phosphorus, Phosphate (mg/L)	Total Chloride (mg/L)	Dissolved Mercury (ug/L)	Total Mercury (ug/L)	TPH as Mineral Spirits (ug/L)	Sodium (ug/L)	Dissolved Iron (ug/L)	Dissolved Manganese (ug/L)	Sulfate (ug/L)	Total Organic Carbon (ug/L)
01/23/2017							0.89						<34		<59	14.1	12	3.9
07/20/2017							0.66 Y				<0.020		49 B		<59	84.7	19	3.2
01/09/2018							1.7						<33		<59	19.9	12	2.1
07/16/2018							4.4				<0.020		<32		<59	<2.2	19 M	0.67
01/22/2019							0.66						<32		<59	10.4	9.2	1.1
07/16/2019							1.9				<0.020		<34		180	8.1	42	2.3
01/14/2020							0.83						<32		<59	5.2	9.1	2.5
07/13/2020							1.1				<0.020		<34		<59	<2.2	23	1.5
01/13/2021							1.1 H						<34		<36	3.5	5.4	0.89
07/12/2021							1.1				<0.020		<32 Q		<36	<1.4	33	3.5
01/13/2022							0.77						<32		<27	2	4.5	1.4
07/13/2022							1.5				<0.020		<31		<27	7	65	2.2
01/11/2023							1						<31		51.6	2.8	13	1.1
07/10/2023							2.2				<0.020		<32		<25	<2.4	46	1.3

Water Quality Indicators - Historical Data  
WAULECO, INC - Wausau Facility  
Well - W14

Date	#2 Fuel Oil (mg/L)	#6 Fuel Oil (mg/L)	Ammonia Nitrogen Total (mg/L)	Carbon, Total Organic (mg/L)	Gasoline (mg/L)	Kerosene (mg/L)	Nitrate + Nitrite Nitrogen (mg/L)	Nitrogen, Nitrate (mg/L)	Oil and Grease (mg/L)	Phosphorus, Phosphate (mg/L)	Solids, Total Dissolved (mg/L)	Solids, Total Suspended (mg/L)	Sulfate (mg/L)	Total Chloride (mg/L)	Total Mercury (ug/L)	TPH as Mineral Sprits (ug/L)	Sodium (ug/L)	Arsenic (ug/L)	Barium (ug/L)	Chromium (ug/L)	Chromium, Total (ug/L)	Iron (ug/L)
01/08/1987				4.51				5.51	<5		574	1684	30.5	128				32.6	1356.5	<10	239	<100
06/04/1987				2.22				4.46	30		443	1670	<10	123				<10	<200	<10		<100
09/03/1987				6.5				3.76	30.1		434	820	18.3	127				<10	<200	<10		
12/03/1987				2.05				4.69	<5		413	2260	32.2	127						<10		
03/03/1988				3.78				6.34	8.74		439	972	22.7	128								
04/07/1988				2.93				6.19	<6		429	1540	21.2	101				<10	<200	<10		
08/10/1988				2.99				5.34	5.7		338	4660	32.2	109				<10	<200	<10		
11/15/1988				2.85				5.96	<5		473	70	<10	115				<10	<200	<10		
01/26/1989				1.71				5.37	<6		469	458	<10	118								
04/27/1989				3.42				5.52	<6		439	2600	22.5	112				<10	<200	<10		
07/27/1989				64.6				5.7	<6		596	2910	23.5	137				<10	<200	<10		
10/26/1989				2.54				5.57	<6		470	1,190	29.2	104				<10	<200	<10		
01/25/1990				1.74				5.31	<6		418	1,800	24.3	87.7				<10	<200	<10		
05/03/1990				4.92				4.46	<5		389	553	22.5	95				<10	<200	<10		
09/21/1990				2.12				5.33	<5		425	912	23.2	107				<10	<200	<10		
12/11/1990								6.07														
12/12/1990				12.4					<6		497	664	21.3	116				<10	253	<10		
01/30/1991				2.86				6.62	<6		463	621	23.8	116				<10	249	<10		
05/01/1991				8.06				6.3	<5		463	1,460	24.7	115				<10	212	<10		
06/18/1991								2														
10/08/1991				1.78				6.47	<6		490	1,320	22.4	114				<10	<200	<10		
06/24/1992								6.04	6	1.96				114				<500				
12/18/1992			<1					5.78						94.7			41,200	<1	<200	<10		
06/29/1993			<0.1				5.76							110				<1000				
12/28/1993			<0.2				4.68							113				<1000				
06/21/1994			<0.1				4.18							112				<1000				
07/06/1995	<0.25		0.4		<0.25	<0.25	4.51							117				<250				
07/08/1996	<0.25	<1	<0.1		<0.25	<0.25	4.98							120				<250				
07/11/1997			<0.1				2.44							186				<260				
06/23/1998			<0.1				1.76							241	<0.2	<250						
06/07/1999			<0.1				2.88							125		<100						
07/17/2000			<0.02				3.63							112	<0.16	<500						
01/30/2001			<0.02				3.88							122	<0.12	<500						
07/10/2001			<0.02				3.8							110	<0.14	<500						
08/05/2002			<0.020				4.0							130	<0.070	<500						
07/22/2003			0.026				5.4							130	<0.070	<29						
07/12/2004			<0.030				5.12		220					208	<0.11	<28						
07/19/2005			<0.030				5.5							83	<0.090	<27						
07/18/2006			<0.023				5.1							100	<0.060	<740						
07/09/2007			<0.021				4.4							130	<0.080	<29						
07/22/2008			0.12				4.8							210	<0.050	75						
07/06/2009			<0.030				5.1							170	<0.040	<27						
07/13/2010			<0.050				5.9							170	<0.040	<27						
07/18/2011			<0.022				5.3							160	<0.030	<27 M						
07/09/2012			<0.030				5.3							110	<0.016	<27						
07/01/2013			<0.040				4.8							170	<0.016	<26						

Note:  
WDNR letter dated March 18, 2014 concurred with TRC letter dated October 13, 2013 that this well could be eliminated from the monitoring network.

Water Quality Indicators - Historical Data  
WAULECO, INC - Wausau Facility  
Well - W16

Date	#2 Fuel Oil (mg/L)	#6 Fuel Oil (mg/L)	Alkalinity, Bicarbonate (mg/L)	Alkalinity, Total (mg/L)	Ammonia Nitrogen Total (mg/L)	Carbon, Total Organic (mg/L)	Gasoline (mg/L)	Kerosene (mg/L)	Nitrate + Nitrite Nitrogen (mg/L)	Nitrogen, Nitrate (mg/L)	Oil and Grease (mg/L)	Phosphorus, Phosphate (mg/L)	Solids, Total Dissolved (mg/L)	Solids, Total Suspended (mg/L)	Sulfate (mg/L)	Total Chloride (mg/L)	Dissolved Mercury (ug/L)	Total Mercury (ug/L)	TPH as Mineral Spirits (ug/L)	Sodium (ug/L)	Arsenic (ug/L)	Barium (ug/L)	Chromium (ug/L)	Chromium, Total (ug/L)	Dissolved Iron (ug/L)	Iron (ug/L)	Calcium (ug/L)	Magnesium (ug/L)	Dissolved Manganese (ug/L)	Potassium (ug/L)		
01/08/1987						5.8			8.8	<5		762	1168	31.6	175					188.5	2220	<10	479		<100							
06/04/1987						5.26			11.8	11.6		605	14900	36.8	162						<10	<200	<10			<100						
09/03/1987						3.93			9.27	16		552	12100	24.1	177						<10	<200	<10									
12/03/1987						4.1			7.95	<6		449	2080	35.9	159						<10	<200	<10									
03/03/1988						2.33			10.1	15.4		490	880	31	164						<10	<200	<10									
04/07/1988						4.06			10.3	<5		4.85	6650	25.3	141						<10	<200	<10									
08/10/1988						4.84			12.6	6.88		322	22200	39.9	121						<10	<200	<10									
11/15/1988						4.12			11.1	10		519	519	<10	131						<10	<200	<10									
01/26/1989						2.59			8.12	<5		471	2880	<10	136						<10	<200	<10									
04/27/1989						2.69			8.03	<6		476	5860	27.2	134						<10	<200	<10									
07/27/1989						36.2			9.78	<6		680	4480	27.4	170						<10	<200	<10									
10/26/1989						2.33			7.28	<6		5.49	2460	29.6	157						<10	<200	<10									
01/25/1990						3.45			5.91	<6		525	2,890	25	180						<10	<200	<10									
05/03/1990						3.35			9.75	<6		626	1,750	28.8	186						<10	<200	<10									
09/21/1990						2.57			11	<5		621	3,570	29	178						<10	<200	<10									
12/11/1990									11.5																							
12/12/1990						5.94				<5		615	2,040	29.3	190						<10	<200	<10									
01/30/1991						5.44			11.1	<6		543	1,280	29.6	198						<10	<200	<10									
05/01/1991						3.95			11	<6		460	5,170	31.4	137						<10	<200	<10									
10/08/1991						2.86			13.5	<6		648	7,340	25.9	158						<10	<200	<10									
10/29/1991			94.5	94.5										32.6	170				#####		0	<200	<10				71800	17900				
12/22/1991			99.5	99.5										33	126				#####		<1	<200	<10				55400	14100		12500 9980		
06/16/1992									5.8						101			1,600			<1	<200										
12/18/1992					<1				10.4						125			<500	#####													
06/29/1993					0.53				7.86						126			<1000														
12/28/1993					<0.2				11.5						155			<1000														
06/21/1994					<0.1				6.27						128			<1000														
07/06/1995	<0.25				0.17		<0.25	<0.25	6.03						106			<250														
07/08/1996	<0.25	<1			<0.1		<0.25	<0.25	0.84						28			<250														
07/11/1997					<0.1				5.44						173			<260														
06/24/1998					<0.1				4.13						221		<0.2	<250														
06/07/1999					<0.1				3.24						155			<100														
07/18/2000					<0.02				4.74						122		0.26	<500														
01/30/2001					<0.02				3.39						127		1.2	<500														
07/10/2001					<0.02				220						860		<0.14	<500														
08/05/2002					<0.020				7.2						120		<0.070	<500														
07/22/2003					0.034				6.3						84		<0.070	<28														
07/12/2004					<0.030				6.66						92.5		<0.11	29 J														
07/19/2005					<0.030				6.4						180		<0.090	<28														
07/19/2006					<0.023				5.7						110		<0.060	<520														
07/09/2007					<0.021				6.4						120		<0.080	<33														
07/23/2008					<0.080				6.9						160		<0.050	83														
07/06/2009					<0.030				6.4						110		<0.040	<26														
07/13/2010					<0.050				6.3						190		<0.040	<28														
07/18/2011					<0.022				<0.18						110		0.060	2,000														
01/23/2012					0.12				6.7						240																	
1/23/2012 Duplicate					0.11				6.7						250																	
07/09/2012					<0.030				6.1						280		0.070 B	27														
07/01/2013					<0.040				4.6						190		0.140	<27														
01/24/2014						1.4								28													<5.0				<0.50	
07/08/2014						4.5				5.1				24		<0.016										<10					<1.6	

Water Quality Indicators - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W16

Date	#2 Fuel Oil (mg/L)	#6 Fuel Oil (mg/L)	Alkalinity, Bicarbonate (mg/L)	Alkalinity, Total (mg/L)	Ammonia Nitrogen Total (mg/L)	Carbon, Total Organic (mg/L)	Gasoline (mg/L)	Kerosene (mg/L)	Nitrate + Nitrite Nitrogen (mg/L)	Nitrogen, Nitrate (mg/L)	Oil and Grease (mg/L)	Phosphorus, Phosphate (mg/L)	Solids, Total Dissolved (mg/L)	Solids, Total Suspended (mg/L)	Sulfate (mg/L)	Total Chloride (mg/L)	Dissolved Mercury (ug/L)	Total Mercury (ug/L)	TPH as Mineral Spirits (ug/L)	Sodium (ug/L)	Arsenic (ug/L)	Barium (ug/L)	Chromium (ug/L)	Chromium, Total (ug/L)	Dissolved Iron (ug/L)	Iron (ug/L)	Calcium (ug/L)	Magnesium (ug/L)	Dissolved Manganese (ug/L)	Potassium (ug/L)	
01/12/2015						1.5									24				30							12.3					1.8
07/06/2015						2.5				4.5					20		<0.050		<26						<10					<1.6	
01/12/2016						2.1									22				<27						<10					<1.6	
07/05/2016						1.4				5.4					21		0.094		<33						<10					<1.6	
01/16/2017						1.8									25				<33						<59					<2.2	
07/10/2017						2.7				5.4					21		<0.020		39 B						<59					<2.2	
01/10/2018						1.3									28				<33						<59					<2.2	
07/10/2018						0.71				4.7					21		<0.020		<34						<59					<2.2	
01/22/2019						1.6									20				<31						<59					<2.2	
07/08/2019						2.8				3.7					18		<0.020		<32						607					123	
01/07/2020						3.4									21				52 B						<59					4.9	
07/06/2020						1.3				4.7					17		<0.020		<34 Q						<59					<2.2	
01/11/2021						1.5									28				<31						<36					<1.4	
07/06/2021						1.2				4.2					22		<0.020		<31						<36					7.1	
01/12/2022						2.1									27				<31						<27					<1.2	
07/05/2022						1.4				4.8					20		<0.020		<32						<27					<1.2	
01/10/2023						1.5									22				<31						<27					<1.2	
07/05/2023						2.4				4.9					19		<0.020		<33						33					6.8	

Water Quality Indicators - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W17

Date	Ammonia Nitrogen Total (mg/L)	Nitrate (mg/L)	Nitrate + Nitrite Nitrogen (mg/L)	Total Chloride (mg/L)	Dissolved Mercury (ug/L)	Total Mercury (ug/L)	TPH as Mineral Spirits (ug/L)	Dissolved Iron (ug/L)	Dissolved Manganese (ug/L)	Sulfate (ug/L)	Total Organic Carbon (ug/L)
07/24/2003	<0.011		<0.13	44		0.09	1,600				
07/13/2004	<0.030		<0.13	48.6		<0.11	13,000 Y				
01/20/2005	<0.030		0.31 J	51							
1/20/2005 Duplicate	<0.030		0.30 J	52							
07/20/2005	<0.030		0.77	380		<0.090	1,800				
07/18/2006	<0.023		0.19	200		0.11	1,500				
01/23/2007	<0.023		<0.13	21							
01/23/2007 Duplicate	<0.023		<0.13	23							
07/09/2007	<0.021		0.62	220		0.09	570				
01/28/2008	<0.021		<0.19	32							
07/23/2008	<0.080		0.32	66		0.06	260 M,Y				
07/06/2009	0.2		<0.12	370		<0.040	1,000				
7/6/2009 Duplicate	0.24		<0.12	280		<0.040	<27				
01/18/2010	<0.030		<0.12	30							
07/15/2010	<0.050		<0.30 V	67		0.26	8,800				
01/24/2011	0.069		<0.060	19							
07/19/2011	0.042		0.68	36		0.27	4,600				
01/23/2012	<0.060		<0.18	29							
07/06/2012	0.050		0.036	82		0.12 B	7,300				
7/6/2012 Duplicate	0.092		0.062	81		0.13 B	2,600				
01/07/2013	<0.030		<0.040	27							
07/02/2013	<0.040		0.16	51		0.05	330				
01/22/2014		0.11					760	489	601	3.5	2.9
07/16/2014		0.12			<0.016		2,100	407	2,250	2.3	3.5
01/15/2015		0.16					1,100	262	550	2.2	4.0
1/15/2015 Duplicate		0.16					2,300	250	565	2.1	2.4
07/09/2015		<0.040			<0.050		1,800	366	1,160	5.6	6.6
01/14/2016		<0.040					1,500	305	467	2.2	7.0
1/14/2016 Duplicate		<0.040					3,400	599	827	2.5	7.1
07/07/2016		<0.040			0.052		1,400	850	1,410	2.7	87.0
01/16/2017		0.099					650	250	310	5.0	4.5
07/17/2017		0.070			0.050		710	184	1,440	3.6	4.7
01/11/2018		<0.040					420	332	422	3.1	3.6
07/11/2018		0.310			0.032		2,400	<59	6.5	3.2	1.4
01/24/2019		<0.12					580	895	391	3.3	3.4
07/11/2019		1.9			<0.020		390	<59	241	10	1.9
01/13/2020		<0.12					<33	98.7	258	3.4	2.7
07/08/2020		0.36			<0.020		360	<59	648 M	3.7	2.0
01/11/2021		<0.12					1,000	307	365	4.5	2.0
07/12/2021		<0.12			<0.020		1800 Q	376	405	3.4	2.7
01/17/2022		<0.12					140	54.8	260	3.6	2.7
07/11/2022		<0.12			0.023		1,900	430	727	15.0	1.7
01/09/2023		<0.12					890	437	434	5.1	2.0
07/10/2023		<0.12			<0.020		1,500	471	765	24	1.5

Water Quality Indicators - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W18

Date	#2 Fuel Oil (mg/L)	#6 Fuel Oil (mg/L)	Ammonia Nitrogen Total (mg/L)	Gasoline (mg/L)	Kerosene (mg/L)	Nitrate + Nitrite Nitrogen (mg/L)	Nitrogen, Nitrate (mg/L)	Phosphorus, Phosphate (mg/L)	Total Chloride (mg/L)	Dissolved Mercury (ug/L)	Total Mercury (ug/L)	TPH as Mineral Spirits (ug/L)	Sodium (ug/L)	Total Sulfate (mg/L)	Total Organic Carbon (mg/L)	Dissolved Iron (mg/L)	Dissolved Manganese (ug/L)
02/25/1992							<0.02		52.4			1,000					
07/08/1992			<1				<0.02	4.02	131			<500					
09/17/1992			<1				<0.02	1.6	50.5			<500	21,100				
12/17/1992			<1				0.05		52.7			1,000	22,800				
03/23/1993			0.14				<0.02		52			2,100	21,800				
06/29/1993			<0.1				0.04		43			<1000					
12/28/1993			<0.2				<0.02		69			1,000					
06/22/1994			<0.1				<0.02		45			<1000					
07/05/1995	<0.25		0.22	<0.25	<0.25	<0.02			39			1,900					
07/09/1996	<0.25	<1	<0.1	<0.25	<0.25	<0.02			28			940					
07/11/1997			<0.1				<0.14		40.7			<260					
06/24/1998			<0.1				<0.14		37.1	<0.2		250					
06/08/1999			<0.1				1.26		23.3			<100					
07/18/2000			<0.02				2.01		34.2	0.27		<500					
01/31/2001			<0.02				0.380		10.8	<0.12		<500					
07/11/2001			<0.020				2.1		25	<0.14		<500					
08/06/2002			<0.020				3.9		29	<0.070		<500					
07/23/2003			<0.011				2.7		45	0.09		<28					
07/12/2004			<0.030				1.840		22.2	<0.11		<27					
07/18/2005			<0.030				2.1		120	<0.090Y		62					
07/18/2006			<0.023				3.0		92	<0.060		<510					
07/09/2007			<0.021				1.2		42	<0.080		<27					
07/23/2008			<0.080				3.0		64	<0.050		66					
07/07/2009			<0.030				1.9		140	<0.040		<26					
07/13/2010			<0.050				2.8		86	<0.040		<27					
07/19/2011			<0.022				<0.18		200	<0.030		330					
01/17/2012			<0.17				0.60		72								
07/19/2012			<0.030				0.45		50	<0.016		38					
07/02/2013			<0.040				1.20		270	<0.016		<27					
07/10/2014							0.92			<0.016		<27					
07/07/2015							0.69			<0.050		<27					
07/06/2016							0.60			<0.020		<34					
07/11/2017								0.15 M		<0.020		34 B	8.9	1	<59	<2.2	
01/10/2018												<33	22	0.96	<59	<2.2	
07/11/2018							0.84			<0.020		<34	20	<0.40	<59	<2.2	
01/23/2019												<32	18	1	<59 M,Y	<2.2	
07/08/2019							0.47			<0.020		<32	6.8	<0.40	<59	5	
01/07/2020												49 B	16	3.1	<59	<2.2	
07/07/2020							1.10			<0.020		<34	6.8	0.85	<59	<2.2	
01/07/2021												<34	19	0.45	<36	2.2	
07/06/2021							0.94			<0.020		<32	15	1.1	<36	<1.4	
01/12/2022												<31	14	1.4	<27	<1.2	
07/06/2022							1.20			<0.020		<31	6.7	0.7	28	1.5	
01/10/2023												<33	8	0.49	<27	2.1	
07/05/2023							1.5			<0.020		<34	11	0.43	<25	<2.4	



Water Quality Indicators - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W19

Date	Ammonia Nitrogen Total (mg/L)	Nitrate (mg/L)	Nitrate + Nitrite Nitrogen (mg/L)	Total Chloride (mg/L)	Dissolved Mercury (ug/L)	Total Mercury (ug/L)	TPH as Mineral Spirits (ug/L)	Total Sulfate (mg/L)	Total Organic Carbon (mg/L)	Dissolved Iron (mg/L)	Dissolved Manganese (ug/L)
06/24/92				388							
12/18/92				270							
06/30/93				87							
12/28/93				154							
04/25/94				164							
06/21/94				53							
10/04/94				48							
03/10/95				235							
07/06/95				238							
09/13/95				68							
03/20/96				43							
07/10/96				140							
09/25/96				188							
07/11/97				221							
12/31/97				1220							
06/01/1998				648							
07/18/2000	<0.02		3.66	1,610		1	41,000				
07/11/2001	<0.020		4.1	530		0.65	19,000				
01/15/2002	<0.020		3.3	2000							
08/06/2002	<0.020		4.6	630		0.47	37,000				
01/14/2003	<0.070		3.9	400							
07/22/2003	0.046		4.4	260		1.3	16,000				
01/20/2004	0.13 J		4.7	390							
07/13/2004	0.074 J		4.26	653		1.6	12,000 Q				
01/20/2005	<0.030		3.70	720							
07/20/2005	<0.030		3.90	520		0.58	1,100				
01/17/2006	<0.023		4.53	387							
07/20/2006	<0.023		5.30	610		0.47	30000 Q				
01/23/2007	<0.023		3.80	1500							
07/11/2007	<0.021		3.30	880		0.98	5700 Q				
7/11/2007 Duplicate	<0.021		3.00	740		1.3	10000 Q				
01/28/2008	<0.021		3.8 Q	560							
07/24/2008	0.12		4.30	520		0.68	2,100				
01/20/2009	<0.080		5.70	580							
07/07/2009	0.085		3.70	660		1.1	5,900				
01/18/2010	0.088		4.3 V	660							
07/14/2010	<0.050		4.30	440		0.35	330				
01/25/2011	<0.050		2.50	300							
07/19/2011	<0.022		1.50	600		1.4	360				
01/17/2012	0.24		3.10	500							
07/06/2012	<0.030		3.20	430		0.56 B	430				
01/04/2013	<0.030		2.40	450							
07/01/2013	0.047		1.10	370		1.6	330				
01/21/2014		2.10									
07/08/2014		1.50			0.020 B		410				
01/15/2015		1.50									
07/08/2015		2.10			<0.050		430				
01/14/2016		3.10									
07/07/2016		1.60			0.074		310				
01/16/2017		3.40									
07/17/2017		1.60			<0.020		47	16	4	665	82.6
01/10/2018		4.10					190	19	2.4	172	340
07/11/2018		2.90			0.027		170	19	3.2	1210	469
01/23/2019		1.80					<34	20	2.3	<59	80.1

Water Quality Indicators - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W21

Date	#2 Fuel Oil	#6 Fuel Oil	Alkalinity, Bicarbonate	Alkalinity, Total	Ammonia Nitrogen Total	Carbon, Total Organic	Gasoline	Kerosene	Nitrate + Nitrite Nitrogen	Nitrogen, Nitrate	Oil and Grease	Phosphorus, Phosphate	Solids, Total Dissolved	Solids, Total Suspended	Sulfate	Total Chloride	Dissolved Mercury	Total Mercury	TPH as Mineral Spirits	Sodium	Arsenic	Barium	Chromium	Chromium, Total	Iron	Calcium	Magnesium	Potassium	
	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	
01/08/1987						11				4.02	<5		390	2935	21.8	82.6					64	991	<10	473	360				
06/04/1987						13.8				1.72	<5		293	5760	32	52.7						<10	<200	<10		310			
09/03/1987						3.62				1.74	12.6		243	2480	20.2	53.2						<10	<200	<10					
12/03/1987						3.89				4.59	<6		302	313	33.5	68.4													
03/03/1988						5.6				2.44	<6		331	1560	19.6	69.9													
04/07/1988						2.93				2.76	<6		296	1650	28.9	83						<10	<200	<10					
08/10/1988						5.92				3.25	8.46		127	4420	59.3	71						<10	<200	<10					
11/15/1988						3.86				4.83	10.6		313	170	<10	81						<10	<200	<10					
01/26/1989						2.34				3.91	24.6		392	556	<10	89.8													
04/27/1989						3.54				5.95	8.07		415	2090	19.5	115						<10	<200	<10					
07/27/1989						30				6.45	<6		460	1420	21	101						<10	<200	<10					
10/26/1989						3.74				0.23	<6		161	324	15.8	14.2						<10	<200	<10					
01/25/1990						3.49				2.92	<6		190	450	24.2	33.7						<10	<200	<10					
05/03/1990						4.01				1.2	<6		248	236	14.2	53						<10	<200	<10					
09/21/1990						2.93				0.53	<6		141	106	18.8	30.4						<10	<200	<10					
12/11/1990						0				0.58																			
12/12/1990						5.34					<6		198	175	15.1	31.8						<10	<200	<10					
01/30/1991						4.46				0.83	<6		204	98	13.6	40.6						<10	<200	<10					
05/01/1991						6.74				1.11	<6		175	648	11.2	32.8						<10	<200	<10					
10/08/1991						2.76				0.88	<5		253	388	15.5	56.6						<10	<200	<10					
10/29/1991			94.5	94.5								0.392				16.2	54.8			32400	0	<200				33100	9780	<5000	
12/22/1991			85.8	85.8							0.267					35.2	13.8			25000		<200				24300	7430	<5000	
06/24/1992										2.5		3.18				40.4					<500								
12/18/1992					<1					2.3						59					<500								
06/29/1993					<0.1				1.83							62													
12/28/1993					<0.2				2.4							74													
06/22/1994					0.31				1.3							43													
07/06/1995	<0.25				0.16		<0.25	<0.25	0.78							44													
07/08/1996	<0.25	<1			<0.1		<0.25	<0.25	4.36							88													
07/11/1997					<0.1				2.58							79.1													
06/23/1998					<0.1				2.93							130													
06/07/1999					<0.1				1.69							110													
07/17/2000					<0.02				1.51							87.7													
01/30/2001					<0.02				1.34							48.0													
07/10/2001					<0.02				220							99.0													
08/05/2002					<0.020				3.1							91.0													
07/22/2003					0.015				4.0							68.0													
07/13/2004					<0.030				2.77							110													
07/19/2005					<0.030				3.10							110													
07/18/2006					<0.023				1.60							130													
07/09/2007					<0.021				4.10							120													
07/22/2008					<0.080				3.60							190													
07/07/2009					<0.030				2.3Y							180													
07/14/2010					<0.050				2.70							110													
07/18/2011					<0.022				2.40							130													
07/09/2012					<0.030				2.30							75													
07/01/2013					<0.040				2.20							130													
07/08/2014										1.9																			
07/07/2015										1.6 H																			
07/05/2016										1.3																			
07/10/2017										1.8																			

Water Quality Indicators - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W21

Date	#2 Fuel Oil	#6 Fuel Oil	Alkalinity, Bicarbonate	Alkalinity, Total	Ammonia Nitrogen Total	Carbon, Total Organic	Gasoline	Kerosene	Nitrate + Nitrite Nitrogen	Nitrogen, Nitrate	Oil and Grease	Phosphorus, Phosphate	Solids, Total Dissolved	Solids, Total Suspended	Sulfate	Total Chloride	Dissolved Mercury	Total Mercury	TPH as Mineral Spirits	Sodium	Arsenic	Barium	Chromium	Chromium, Total	Iron	Calcium	Magnesium	Potassium
	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)
07/10/2018										1.4							0.340		<34									
07/09/2019										2.3							<0.020		<34									
07/06/2020										2							<0.020		<34 Q									
07/07/2021										0.77							<0.020		<34									
07/06/2022										2.1							<0.020		<31									
07/05/2023										2.0							<0.020		<37									

Water Quality Indicators - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W22

Date	#2 Fuel Oil (mg/L)	#6 Fuel Oil (mg/L)	Ammonia Nitrogen Total (mg/L)	Gasoline (mg/L)	Kerosene (mg/L)	Nitrate (mg/L)	Nitrate + Nitrite Nitrogen (mg/L)	Nitrogen, Nitrate (mg/L)	Phosphorus, Phosphate (mg/L)	Total Chloride (mg/L)	Dissolved Mercury (ug/L)	Total Mercury (ug/L)	TPH as Mineral Spirits (ug/L)	Dissolved Iron (ug/L)	Dissolved Manganese (ug/L)	Sodium (ug/L)	Sulfate (ug/L)	Total Organic Carbon (ug/L)
02/25/1992								<0.02		386			3000					
06/14/1992								0.14		299			550					
09/17/1992			<1					0.675	0.632	19.6			<500			11300		
12/18/1992			<1					0.081		313			3000			131000		
03/24/1993			<0.1				0.02			307			9900			124000		
06/30/1993			<0.1				0.73			25			<1000					
12/28/1993			0.22				0.06			356			2000					
04/25/1994			0.24				0.13			247								
06/22/1994			<0.1				0.05			180			<1000					
10/04/1994			<0.1				0.15			240								
01/05/1995			<0.1				0.27			248								
03/09/1995			0.13				0.21			196								
07/06/1995	<0.25		0.49	<0.25	<0.25		0.02			167			2000					
09/13/1995			<0.1				0.22			119								
12/18/1995			0.13				<0.1			183								
03/21/1996	<0.25	<1	0.12	<0.25	<0.25		<0.1			138								
07/10/1996			<0.1				0.28			95			1800					
09/25/1996			<0.1				<0.08			100								
01/21/1997			<0.1				0.15			118								
07/11/1997			<0.1				0.2			184			2800					
01/02/1998			<0.1				<0.14			392								
06/24/1998			<0.1				0.16			428		0.3	2900					
01/26/1999			<0.1				<0.14			432.5		1.05						
08/07/2002			<0.020				<0.18			230		0.23	51,000					
01/14/2003			<0.070				<0.18			140								
01/20/2005			<0.030				0.47			150								
07/21/2005			<0.030				<0.10			280		0.36	230,000					
01/17/2006			<0.023				<0.10			441								
07/20/2006			<0.023				<0.13			640		0.27	38000 Q					
01/23/2007			<0.023				0.2			510								
07/11/2007			<0.021				0.41 Y			170		0.33	1900 Q					
01/28/2008			<0.021				<0.019 Q			150 Q								
07/24/2008			<0.080				<0.12			160		0.51	3,000					
01/21/2009			<0.080				0.76			91								
07/07/2009			<0.030				0.26		220	450		0.2	2,400					
01/19/2010			<0.030				1			68								
07/15/2010			<0.050				2.9			160		0.1	2,400					
7/15/2010 Duplicate			<0.050				2.8			160		0.27	5,100					
01/25/2011			<0.050				1.9			82								
07/19/2011			<0.022				0.55			40		0.70	54					
01/18/2012			<0.17				0.51			190								
07/10/2012			<0.030				1.7			270		0.21	3,800					
01/07/2013			<0.030				0.26			240								
1/7/2013 Duplicate			<0.030				0.11			220								
07/08/2013			<0.040				0.43			230		0.62	4,300					
01/22/2014								0.33					3,700	<5.0	2600		13	9.3
07/08/2014								0.56			<0.016		3,400	13.8	768		21	11
01/15/2015								0.32					2,900	22.2	614		11	6.7
07/09/2015								0.51			<0.050		2,900	<10	790		16	9
01/13/2016								0.57					2,100	23.5	965		18	10
07/11/2016								0.6			0.12		1,700	21.1	1010		14	8.9

Water Quality Indicators - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W22

Date	#2 Fuel Oil (mg/L)	#6 Fuel Oil (mg/L)	Ammonia Nitrogen Total (mg/L)	Gasoline (mg/L)	Kerosene (mg/L)	Nitrate (mg/L)	Nitrate + Nitrite Nitrogen (mg/L)	Nitrogen, Nitrate (mg/L)	Phosphorus, Phosphate (mg/L)	Total Chloride (mg/L)	Dissolved Mercury (ug/L)	Total Mercury (ug/L)	TPH as Mineral Sprits (ug/L)	Dissolved Iron (ug/L)	Dissolved Manganese (ug/L)	Sodium (ug/L)	Sulfate (ug/L)	Total Organic Carbon (ug/L)
01/19/2017								<0.24					5,200	392	3310		11	11
1/19/2017 Duplicate								<0.040					5,800	<59	3250		8.1	10
07/18/2017								0.25			<0.020		1,400	191	1370 M		11	9.9
01/15/2018								0.079					4,000	82.2	3590		8.3	12
1/15/2018 Duplicate								<0.040					4,100	86.7	3660		7.4	14
07/18/2018								0.41			<0.020		2,600	<59	2940		15	6.1
01/28/2019								0.6					1,500	<59	1980		26	9.1
1/28/2019 Duplicate								0.47					1,500	<59	1990		22	8.3
07/18/2019								6			<0.020		<34	<59	6.7		32	4.6 Y
01/22/2020								0.82					490	<59	1140		13	4.9
07/13/2020								1.9			<0.020		600	<59	610		14	5.6
01/12/2021								0.43					2,200	<36	4790		6.5	6.2
07/13/2021								1.9			0.023		1,400	573	1620		10	8.1
01/17/2022								<0.12					2,300	52.5	3990		5.1	11
07/12/2022								0.23			<0.020		1,600	161	4080		4.9	9.6
01/17/2023								<0.12					1,700	413	5220		4.5	10
07/11/2023								0.39			<0.020		1,300	44.9	3610		7.7	6.5

Water Quality Indicators - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W25

Date	#2 Fuel Oil (mg/L)	Ammonia Nitrogen Total (mg/L)	Gasoline (mg/L)	Kerosene (mg/L)	Nitrate (mg/L)	Nitrate + Nitrite Nitrogen (mg/L)	Nitrogen, Nitrate (mg/L)	Phosphorus, Phosphate (mg/L)	Total Chloride (mg/L)	Dissolved Mercury (ug/L)	Total Mercury (ug/L)	TPH as Mineral Sprits (ug/L)	Sodium (ug/L)
02/19/1992							7.64		75.8			<610	
07/29/1992							4.66		60.4			<500	
09/17/1992		<1					6.04	1.96	34.6			<500	31900
12/17/1992		<1					6.52		39.3			<500	33700
03/23/1993		<0.1				4.37			77			<500	40200
06/28/1993		0.2				4.2			71			<1000	
12/28/1993		0.26				8.07			136			<1000	
04/25/1994		0.2				1.14			90				
06/21/1994		0.17				2.69			84			1600	
10/04/1994		<0.1				6.02			89				
03/10/1995		0.23				0.58			68				
07/05/1995	<0.25	0.71	<0.25	<0.25		2.58			91			850	
09/13/1995		<0.1				1.14			25				
03/21/1996		0.11				4.55			54				
07/11/1997		<0.1				5.5			156			<260	
01/02/1998		<0.1				3.4			81.2				
06/23/1998		<0.1				2.61			110		<0.2	<250	
01/26/1999		<0.1				4.5			144		<0.2		
06/09/1999		0.2				4.9			187			<100	
01/11/2000		<0.1				4.75			207		<0.16		
07/18/2000		<0.02				5.74			186		<0.16	<500	
01/30/2001		<0.02				5.18			308		144	<500	
07/10/2001		<0.02				4.4			160		<0.14	<500	
01/15/2002		<0.020				5.0			240				
08/05/2002		<0.020				8.4			140		<0.070	<500	
01/14/2003		<0.070				10.0			110				
07/22/2003		0.023				5.6			150		<0.070	<27	
01/20/2004		0.042				3.2			230				
07/13/2004		<0.030				7.70			40.7		<0.11	27 J	
01/19/2005		<0.030				6.30			88				
07/21/2005		<0.030				3.60			120		<0.090	340	
7/21/2005 Duplicate		<0.030				3.8			120		<0.090	380	
07/18/2006		<0.023				2.20			82		<0.060	<530	
7/18/2006 Duplicate		<0.023				2.1			89		<0.060	<530	
01/23/2007		<0.023				2.80			200				
07/11/2007		<0.021				4.8			220		0.14	65	
01/29/2008		<0.021				4.5 Q			190 Q				
07/23/2008		<0.080				7.30			71		0.05	92 Q	
01/20/2009		<0.080				12.00			250M				
07/06/2009		<0.030				6.60			120		<0.04	86	
01/18/2010		<0.030				5.40			150				
07/13/2010		<0.050				4.90			180		0.06	630	
7/13/2010 Duplicate		<0.050				5.10			180		0.04	570	
01/24/2011		<0.050				4.80			46				
07/19/2011		<0.022				4.30			16		0.090	100	
7/19/2011 Duplicate		<0.022				4.30			15		0.160	130	
01/23/2012		0.09				3.90			110				
07/06/2012		<0.030				4.10			150		0.060 B	230	
01/04/2013		<0.030				2.60			60				
07/05/2013		<0.040				4.90			28		0.030	54 MY	
01/21/2014							4.5						
07/09/2014							5.8			<0.016		<27	

Water Quality Indicators - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W25

Date	#2 Fuel Oil (mg/L)	Ammonia Nitrogen Total (mg/L)	Gasoline (mg/L)	Kerosene (mg/L)	Nitrate (mg/L)	Nitrate + Nitrite Nitrogen (mg/L)	Nitrogen, Nitrate (mg/L)	Phosphorus, Phosphate (mg/L)	Total Chloride (mg/L)	Dissolved Mercury (ug/L)	Total Mercury (ug/L)	TPH as Mineral Spirits (ug/L)	Sodium (ug/L)
01/19/2015							5.2						
07/08/2015							5.4			<0.050		45	
01/14/2016							6						
07/06/2016							5.9			0.050		<33	
01/16/2017							4.2						
07/11/2017							6.8			<0.020		47 B	
01/09/2018							3.9		220				
07/11/2018							5.8			<0.020		<33	
01/21/2019							5.4						
07/08/2019							6.2			<0.020		<32	
01/13/2020							3.3						
07/07/2020							5.9			<0.020		<34	
01/11/2021							4.3						
07/07/2021							3.8			<0.020		<32	
01/13/2022							4.3						
07/06/2022							6.4			<0.020		<31	
01/10/2023							6.1						
07/06/2023							6.8			<0.020		<32	

Water Quality Indicators - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W26-W26R

Date	#2 Fuel Oil (mg/L)	#6 Fuel Oil (mg/L)	Ammonia Nitrogen Total (mg/L)	Gasoline (mg/L)	Kerosene (mg/L)	Nitrate (mg/L)	Nitrate + Nitrite Nitrogen (mg/L)	Nitrogen, Nitrate (mg/L)	Phosphorus, Phosphate (mg/L)	Total Chloride (mg/L)	Dissolved Mercury (ug/L)	Total Mercury (ug/L)	TPH as Mineral Spirits (ug/L)	Dissolved Iron (ug/L)	Dissolved Manganese (ug/L)	Sodium (ug/L)	Sulfate (ug/L)	Total Organic Carbon (ug/L)
02/25/1992								0.034		103								1,000
06/14/1992								0.093		130								<500
09/17/1992			<1					0.031	1.96	166						62,800		650
12/18/1992			<1					0.337		139						66,000		1,000
03/24/1993			0.18				0.12			136						52,800		4,800
06/30/1993			0.19				0.12			133								<1000
12/27/1993			<0.2				0.16			155								1,000
04/25/1994			0.11				<0.02			212								
06/22/1994			<0.1				<0.02			181			1,200					
10/04/1994			<0.1				<0.02			178								
03/09/1995			0.12				0.05			169								
07/06/1995	<0.25		0.24	<0.25	<0.25		0.04			143			4,400					
09/13/1995			<0.1				<0.02			245								
03/21/1996			0.16				<0.04			118								
07/09/1996	<0.25	<1	<0.1	<0.25	<0.25		0.81			488			900					
09/25/1996			<0.1				<0.08			359								
07/11/1997			<0.1				0.25			207			<260					
01/02/1998			<0.1				<0.14			287								
06/24/1998			<0.1				<0.14			349		0.2	3,800					
01/27/1999			<0.1				<0.14			691		<0.2						
06/09/1999			<0.1				<0.14			677			<1000					
01/11/2000			<0.1				<0.14			193.5		0.355						
07/18/2000			<0.02				<0.08			375		<0.16	4,800					
01/31/2001			<0.02				<0.08			254		<0.12	2,600					
07/11/2001			<0.020				0.95			420		<0.14	1,700					
01/15/2002			<0.020				<0.18			56								
08/06/2002			<0.020				<0.18			250		<0.070	1,300					
01/14/2003			<0.070				<0.18			340								
07/24/2003			0.042				0.27			300		0.19	410					
01/21/2004			0.045				<0.13			260								
07/13/2004			<0.030				0.60			230		<0.11	230					
01/20/2005			<0.030				0.78			390								
07/20/2005			<0.030				0.84			320		<0.090	850					
01/17/2006			<0.023				0.36			373								
07/20/2006			<0.023				0.68			400		0.10	1600 Q					
7/20/2006 Duplicate			<0.023				0.53			420		0.10	1800 Q					
01/23/2007			<0.023				0.14			1100								
07/09/2007			<0.021				<0.19			460		0.18	320					
7/9/2007 Duplicate			<0.021				<0.19			530		0.21	380					
01/28/2008			<0.021				<0.19			350								
01/28/2008 Duplicate			<0.021				<0.19			410								
07/24/2008			<0.080				<0.12			270		0.06	1,000					
01/20/2009			<0.080				0.310			67								
07/07/2009			<0.030				0.120			22		0.14	<27					
7/7/2009 Duplicate			<0.030				0.140			22		0.13	<27					



Water Quality Indicators - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W26-W26R

Date	#2 Fuel Oil (mg/L)	#6 Fuel Oil (mg/L)	Ammonia Nitrogen Total (mg/L)	Gasoline (mg/L)	Kerosene (mg/L)	Nitrate (mg/L)	Nitrate + Nitrite Nitrogen (mg/L)	Nitrogen, Nitrate (mg/L)	Phosphorus, Phosphate (mg/L)	Total Chloride (mg/L)	Dissolved Mercury (ug/L)	Total Mercury (ug/L)	TPH as Mineral Spirits (ug/L)	Dissolved Iron (ug/L)	Dissolved Manganese (ug/L)	Sodium (ug/L)	Sulfate (ug/L)	Total Organic Carbon (ug/L)
01/18/2010			<0.030				<0.12			100								
07/15/2010			<0.050				2.20			370		<0.040	3,400					
01/25/2011			<0.050				3.10			560								
07/20/2011			<0.022				4.70			700		0.090	960					
7/20/2011 Duplicate			<0.022				4.70			660		0.090	970					
01/23/2012			<0.060				3.80			620								
07/10/2012			<0.030				3.10			770		<0.016	360					
01/04/2013			<0.030				1.20			590								
07/02/2013			<0.040				1.30			780		<0.016	49					
01/22/2014								3.5	220				50	<5.0	599		26	2.6
07/07/2014								2.5			<0.016		<26	<10	259		29	3.9
01/15/2015								3.7					<27	<10	138		42	3.3
07/09/2015								1.4			<0.050		1,100	<10	263		44	5.2 Y
01/13/2016								3.1					60	<10	265		36	2.3
07/07/2016								2.7			0.042		<33	<10	221		40	3.7
01/16/2017								1.7					420	<59	76.1		28	3.7
07/17/2017								1.8			<0.020		51	<59	270		16	3.2
01/10/2018								1.4					<33	<59	88.3		20	3.2
07/12/2018								1.9			<0.020		<33 Q	<59	<2.2		31	1.2
01/24/2019								3.5					<33	<59	21		33	3.5
07/15/2019								0.54			<0.020		760	164	4270		18	8.1
01/13/2020								0.64					340	<59	640		11	4.9
07/14/2020								0.27			<0.020		120	<59	211		8.8	<0.40
01/11/2021								<0.12					880	60.3	658		5.7	4.6
07/12/2021								0.19			<0.020		72 Q	116	196		4.8	3.4
01/17/2022								<0.12					440	<27	526		6.5	4.5
07/11/2022								0.71			<0.020		80	<27	574		7.2	2.5
01/09/2023								0.22					42	114	196		5.8	3.3
07/06/2023								0.63			<0.020		44	<25	1420		14	2.7

Water Quality Indicators - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W27

Date	#2 Fuel Oil (mg/L)	#6 Fuel Oil (mg/L)	Ammonia Nitrogen Total (mg/L)	Gasoline (mg/L)	Kerosene (mg/L)	Nitrate + Nitrite Nitrogen (mg/L)	Nitrogen, Nitrate (mg/L)	Total Chloride (mg/L)	Dissolved Mercury (ug/L)	Total Mercury (ug/L)	TPH as Mineral Spirits (ug/L)	Sodium (ug/L)	Arsenic (ug/L)	Dissolved Iron (ug/L)	Dissolved Manganese (ug/L)	Sulfate (ug/L)	Total Organic Carbon (ug/L)
06/24/1992							0.926	103			500						
12/17/1992							0.324	140			2,000	58,000	<1				
06/30/1993			<0.1			2.62		162			<1000						
12/28/1993			0.26			0.39		129			1,000						
06/22/1994			<0.1			0.36		116			<1000						
07/06/1995	<0.25		0.47	<0.25	<0.25	1.41		123			3,800						
07/09/1996	<2.5	<10	<0.1	<2.5	<2.5	0.16		173			6,500						
07/11/1997			<0.1			0.32		214			<250						
06/24/1998			<0.1			0.64		187		1	4,900						
06/08/1999			0.25			0.42		359			2,800						
07/18/2000			<0.02			0.295		341.5		0.87	3,850						
01/31/2001			<0.02			0.180		232		0.37	5,300						
07/11/2001			0.12			1.1		520		0.17	<500						
08/06/2002			<0.020			0.81		710		0.31	2,700						
07/22/2003			0.35			0.55		240		0.53	2,800						
07/13/2004			0.44			1.32		189		0.41	3,500						
07/19/2005			0.55			0.72		190		0.4	4,600						
07/19/2006			0.50			0.43		140		0.24	4,100						
07/09/2007			0.64			0.46		260		0.27	3600 Q						
07/23/2008			1.30			0.39		330		0.17	3,200						
07/07/2009			0.54			0.44		280		0.21	3,600						
07/14/2010			0.59			0.94		260		0.12	14,000						
7/14/2010 Duplicate			0.57			1.2 Y		260		0.1	17,000						
07/25/2011			0.15			0.22		46		0.33	7,900						
07/10/2012			0.25			0.051		61		0.15	9,900						
07/05/2013			0.26			1.400		110		0.06	9,000						
01/24/2014											4,900			4,480	11,800	18	8.9
07/09/2014							0.2		<0.016		4,400			5,450	18,800	22 M	17
01/16/2015											6,200			5,290	13,700	22	9.3
07/09/2015							0.23		<0.050		9,200			9,120	20,100	40	22
01/13/2016											7,000			7,020	17,800	38	18
07/11/2016							0.17		0.17		4,300			8,550	19600 M	47	23
01/19/2017											9,800			7,550	22,100	26	18
07/18/2017							<0.040		<0.020		6,300			4,610	15,900	69	52
7/18/2017 Duplicate							<0.040		<0.020		7,200			4,860	16,500	86	47
01/11/2018											6,000			6,000	16,400	25	21
07/18/2018							0.13		<0.020		4,600			5,040	15,300	43	33
01/24/2019											3,000			4,360	16,000	31	14
07/18/2019							<0.12		<0.020		3,200			3,490	10,300	20	44
7/18/2019 Duplicate							<0.12		<0.020		3,000			3,440	9,900	21	46
01/23/2020											2,900			4,210	14,800	6.6	9.8
07/16/2020							0.14		<0.020		2,000			5,040	18,700	8.6	6.9
01/12/2021											3,100			5,040	16,700	6	12
07/12/2021							0.18		<0.020		2100 Q			4,340	17,100	8.9	14
01/18/2022											2,400			5,110	15,400	6.2	19
07/12/2022							0.13		<0.020		3,500			5,890	17,800	18	35
7/12/2022 Duplicate							0.12		<0.020		3,200			5530 M	17700 M	19	29
01/17/2023											1,600			7,100	17,000	7.5	16
1/17/2023 Duplicate											2,200			6,850	16,700	7.5	16
							<0.12		<0.020		3,400			9,190	18,900	15	40

Water Quality Indicators - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W28

Date	#2 Fuel Oil	#6 Fuel Oil	Ammonia Nitrogen Total	Carbon, Total Organic	Gasoline	Kerosene	Nitrate + Nitrite Nitrogen	Nitrogen, Nitrate	Oil and Grease	Phosphorus, Phosphate	Solids, Total Dissolved	Solids, Total Suspended	Sulfate	Total Chloride	Dissolved Mercury	Total Mercury	TPH as Mineral Spirits	Sodium	Arsenic	Barium	Chromium	Chromium, Total	Dissolved Iron	Iron	Dissolved Manganese
	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)
01/08/1987				7.31				<0.02	<5		485	8170	36.8	102					30.45	2285	<10	965		<100	
06/04/1987				4.6				0.29	5.08		385	4290	37.3	88.4					<10	<200	<10			370	
09/03/1987				29.5				0.14	29		343	1650	20.2	102					<10	<200	<10				
12/03/1987				5.64				0.15	<6		351	768	42.7	14							<10				
03/03/1988				12				<0.02	9.52		471	2070	43.5	129											
04/07/1988				8.47				<0.02	<5		386	3300	47.2	123					<10	<200	<10				
08/10/1988				4.63				0.23	8.32		206	4310	53	107					<10	<200	<10				
11/15/1988				4.84				0.18	10.5		402	1970	19.6	100					<10	<200	<10				
01/26/1989				4.66				<0.02	9.28		423	567	<10	121											
04/27/1989				7.26				0.04	7.68		392	1020	35.2	115					<10	<200	<10				
07/27/1989				35.6				0.19	<6		388	2450	38.5	94.3					<10	<200	<10				
10/26/1989				2.77				0.2	<6		365	1050	46.5	85.5					<10	<200	<10				
01/25/1990				4.05				0.11	<6		466	1130	33.6	93.5					<10	<200	<10				
05/03/1990				12				<0.02	<6		384	540	37.1	96					<10	<200	<10				
09/20/1990				4.55				<0.02	<5		317	918	33.6	89.9					<10	<200	<10				
12/11/1990				5.62				0.19	<6		324	528	33.8	79					<10	<200	<10				
01/29/1991				4.41				<0.02	<6		293	963	31.6	76.1					<10	<200	<10				
05/01/1991				7.05				0.08	7.56		281	1400	30.1	74.8					<10	<200	<10				
10/08/1991				4.99				<0.02	<5		329	840	23.3	73.4					<10	<200	<10				
07/08/1992				<1				0.115		0.918									<500						
12/17/1992				<1				0.051						98.3				49,100							
06/29/1993				0.17				<0.02						88						<1000					
12/28/1993				<0.2				0.13						158						<1000					
06/22/1994				<0.1				0.03						130						<1000					
07/05/1995	<0.25			0.14	<0.25	<0.25	0.25							99						<250					
07/09/1996	<0.25	<1	<0.1	<0.1	<0.25	<0.25	0.1							65						<250					
07/11/1997				<0.1			<0.14							75.5						<270					
06/24/1998				<0.1			0.19							57.2		<0.2	<250								
06/08/1999				<0.1			0.24							53.6						<100					
07/18/2000				<0.02			0.21							50.9		0.24	<500								
01/30/2001				<0.02			0.160							47.4		3.9	<500								
07/10/2001				<0.02			0.84							32		<0.14	<500								
08/06/2002				<0.020			0.80							28		<0.070	<500								
07/23/2003				<0.011			0.77							26		<0.070	110								
07/12/2004				<0.030			0.75							59.2		<0.11	28 J								
07/18/2005				<0.030			1.10							70		<0.090	<27								
07/18/2006				<0.023			2.10							110		<0.060	<520								
07/09/2007				<0.021			1.70							87		<0.080	<31								
07/23/2008				<0.080			2.10							53		<0.050	320								
07/07/2009				<0.030			1.10							78		<0.040	<26								
07/13/2010				<0.050			0.33		220					190		<0.040	<27								
07/18/2011				<0.022			0.50							150		<0.030	90								
01/17/2012				<0.060			0.31							180											
07/19/2012				<0.030			<0.030							56		<0.016	31								
07/02/2013				<0.040			0.64							270		<0.016	<27								
01/24/2014				0.73									20										<5.0	23.2	
07/10/2014				0.58				0.99					15		<0.016		<26						15.7	13.3	
01/16/2015				1.2									17										<27	<1.6	
07/07/2015				1.8				1.2 H					16		<0.050		<27						<10	<0.050	
01/12/2016				1.3									16										<10	<1.6	
07/06/2016				1				1.2					15		<0.020		<33						<10	<1.6	
01/16/2017				1.8									15										<59	<2.2	
07/11/2017				1.5				0.81					10		<0.020		34 B						<59	<2.2	

Water Quality Indicators - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W28

Date	#2 Fuel Oil	#6 Fuel Oil	Ammonia Nitrogen Total	Carbon, Total Organic	Gasoline	Kerosene	Nitrate + Nitrite Nitrogen	Nitrogen, Nitrate	Oil and Grease	Phosphorus, Phosphate	Solids, Total Dissolved	Solids, Total Suspended	Sulfate	Total Chloride	Dissolved Mercury	Total Mercury	TPH as Mineral Spirits	Sodium	Arsenic	Barium	Chromium	Chromium, Total	Dissolved Iron	Iron	Dissolved Manganese
	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)
01/10/2018				1.3									13				<33						<59		<2.2
07/11/2018				<0.40				1.2					11		<0.020		<32						<59		<2.2
01/23/2019				1									13				<32						70.5		31.1
07/08/2019				1				2.5					16		<0.020		<34						<59		<2.2
01/13/2020				1									17				<32						<59		<2.2
07/07/2020				1.4				1.3					14		<0.020		<34						<59		<2.2
01/07/2021				0.48									13				<34						<36		<1.4
07/06/2021				0.88				1.1					13		<0.020		<33						262		22.3
01/13/2022				1.6									21				<32						<27		2.7
07/06/2022				1.1				0.69					12		<0.020		<32						<27		<1.2
01/10/2023				<0.4									14				<32						<27		1.3
07/05/2023				<0.4				2.7					11		<0.020		<32						<25		2.4

Water Quality Indicators - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W29-W29R

Date	#2 Fuel Oil (mg/L)	#6 Fuel Oil (mg/L)	Ammonia Nitrogen Total (mg/L)	Carbon, Total Organic (mg/L)	Gasoline (mg/L)	Kerosene (mg/L)	Nitrate + Nitrite Nitrogen (mg/L)	Nitrogen, Nitrate (mg/L)	Oil and Grease (mg/L)	Solids, Total Dissolved (mg/L)	Solids, Total Suspended (mg/L)	Sulfate (mg/L)	Total Chloride (mg/L)	Dissolved Mercury (ug/L)	Total Mercury (ug/L)	TPH as Mineral Spirits (ug/L)	Sodium (ug/L)	Arsenic (ug/L)	Barium (ug/L)	Chromium (ug/L)	Chromium, Total (ug/L)	Iron (ug/L)	Dissolved Iron (mg/L)	Dissolved Manganese (ug/L)
01/08/1987				18.9				0.53	9.8	446	3785	41.1	87.4					50	676	<10	310	2820		
06/04/1987				26.3				0.23	16.8	436	2740	46.1	117					<10	<200	<10		4060		
09/03/1987				27.7				0.95	12.2	308	765	21.3	70.9					<10	<200	<10				
12/03/1987				22.8				0.16	20.2	452	2220	48.1	118											
03/03/1988				16				0.42	13.7	327	1470	34	66.8											
04/07/1988				5.46				2.8	<5	154	1050	30.2	13.2					<10	<200	<10				
08/10/1988				25.2				0.39	20.3	224	5150	55.7	95.6					<10	<200	<10				
11/15/1988				34.3				0.19	27.9	366	1620	48.9	99.5					<10	<200	<10				
01/26/1989				25.3				0.23	28.7	374	361	<10	86.2											
04/27/1989				27.8				<0.02	32.9	408	2060	32.4	81					<10	<200	<10				
07/27/1989				69.8				0.07	16.6	502	1120	50	116					<10	<200	<10				
10/26/1989				15.8				0.34	15.3	395	372	40.2	87.4					<10	<200	<10				
01/25/1990				11.6				0.32	<6	218	758	25.7	45.3					<10	<200	<10				
05/03/1990				4.36				2.07	<6	159	170	11.9	17					<10	<200	<10				
09/21/1990				5.23				0.69	<5	158	376	16.3	23					<10	<200	<10				
12/11/1990				14.3				0.26	<6	192	297	34	19.8					<10	<200	<10				
01/30/1991				5.26				0.28	<6	165	291	13.1	15.1					<10	<200	<10				
05/01/1991				13.1				0.31	<6	190	500	14.4	17.4					<10	<200	<10				
06/25/1992								0.027					21.1						<500					
12/18/1992			<1					0.231					25.9					<500	22,100	<1				
06/30/1993			0.15				0.44						43					<1000						
12/28/1993			<0.2				0.1						24					<1000						
06/22/1994			<0.1				0.6						157					<1000						
07/05/1995	<0.25		0.97		<0.25	<0.25	<0.02						35					<250						
07/09/1996	<0.25	<1	<0.1		<0.25	<0.25	0.08						60					690						
07/11/1997			<0.1				0.15						30.4					<260						
06/23/1998			<0.1				0.14						95.2		<0.2			470						
06/08/1999			<0.1				0.66						354					<100						
07/18/2000			<0.02				1.04						98.7		0.21			<500						
01/30/2001			<0.02				0.290						34.1		<0.12			<500						
07/11/2001			<0.020				0.31						53		<0.14			<500						
08/07/2002			<0.020				<0.18						28		<0.070			<500						
07/24/2003			<0.011				0.24						31		<0.070			<28						
07/13/2004			<0.030				0.400 J						43.1		<0.11			<27						
07/20/2005			<0.030				0.55						13		<0.090			150						
07/19/2006			<0.023				<0.13						30		<0.060			<540						
07/09/2007			<0.021				0.62						18		<0.080			<27						
07/24/2008			<0.080				0.32						79		<0.050			85						
7/24/2008 Duplicate			<0.080				0.35						75		<0.050			86						
07/07/2009			<0.030				<0.12						46		<0.040			<26						
07/14/2010			<0.050				0.57						67		<0.040			31						
07/19/2011			<0.022				<0.18						89		<0.030	1300 M								
07/09/2012			0.073				0.15		220				120		<0.016	1,000								
07/02/2013			<0.040				0.56						70		<0.016	<26								
07/07/2014								0.22						<0.016				140						
07/07/2015								0.29 H						<0.050				1,300						
07/11/2016								1.3						<0.020 M				600						
7/11/2016 Duplicate								1.1						<0.020				600						
07/17/2017				4.9				0.27				20		<0.020				350					<59	35.5

Water Quality Indicators - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W29-W29R

Date	#2 Fuel Oil	#6 Fuel Oil	Ammonia Nitrogen Total	Carbon, Total Organic	Gasoline	Kerosene	Nitrate + Nitrite Nitrogen	Nitrogen, Nitrate	Oil and Grease	Solids, Total Dissolved	Solids, Total Suspended	Sulfate	Total Chloride	Dissolved Mercury	Total Mercury	TPH as Mineral Spirits	Sodium	Arsenic	Barium	Chromium	Chromium, Total	Iron	Dissolved Iron	Dissolved Manganese
	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(mg/L)	(ug/L)
01/11/2018				3.1								6				<33							<59	25.1
07/19/2018				2.5				0.13				13		0.022		<32							<59	6.2
7/19/2018 Duplicate				1.8				0.14				13		<0.020		<33							<59	5.5
01/23/2019				2.8								17				42							<59	166
07/16/2019				11				0.47				14		<0.020		<34							<59	103
01/13/2020				8.1								18				140 B							<59	219
07/07/2020				5.6				1.9				22		<0.020		120							<59	53.9
01/12/2021				6.1								4.7				<32							37.5	96.1
07/12/2021				6.7				0.12				8		<0.020		<32 Q							77.3	101
01/13/2022				5.5								5.4				<32							90.8	104
07/11/2022				6.9				0.14				3.8		<0.020		<32							73.1	86.4
01/10/2023				4.7								6				<32							44.4	108
07/06/2023				4.9				<0.12				4.1		<0.020		<32							81.9	86.6

Water Quality Indicators - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W32

Date	#2 Fuel Oil (mg/L)	#6 Fuel Oil (mg/L)	Ammonia Nitrogen Total (mg/L)	Carbon, Total Organic (mg/L)	Gasoline (mg/L)	Kerosene (mg/L)	Nitrate + Nitrite Nitrogen (mg/L)	Nitrogen, Nitrate (mg/L)	Oil and Grease (mg/L)	Phosphorus, Phosphate (mg/L)	Solids, Total Dissolved (mg/L)	Solids, Total Suspended (mg/L)	Sulfate (mg/L)	Total Chloride (mg/L)	Dissolved Mercury (ug/L)	Total Mercury (ug/L)	TPH as Mineral Spirits (ug/L)	Sodium (ug/L)	Arsenic (ug/L)	Barium (ug/L)	Chromium (ug/L)	Chromium, Total (ug/L)	Iron (ug/L)
01/08/1987				34.1				0.03	<5		168	2210	45.9	15.5					48.4	712	<10	361	30500
06/04/1987				23.9				<0.02	<5		221	1730	53	17.6					<10	<200	<10		49500
09/03/1987				14.8				<0.02	<5		191	245	36.2	12.5					<10	<200	<10		
12/03/1987				14.5				<0.02	<6		175	182	57.8	14									
03/03/1988				11.5				<0.02	8.62		89	416	32.6	7.19									
04/07/1988				9.31				<0.02	<5		124	87	32.4	8.11					<10	<200	<10		
08/10/1988				21.1				<0.02	<6		21	1410	58.8	13.8					<10	<200	<10		
11/15/1988				15.7				<0.02	<6		181	342	56.4	15					<10	<200	<10		
01/26/1989				9.35				<0.02	<6		196	91	75.5	12.1									
04/27/1989				16.7				<0.02	<6		193	373	9.8	20					<10	<200	<10		
07/27/1989				42.8				<0.02	<6		224	171	1.5	16.9					<10	<200	<10		
10/26/1989				8				<0.02	<6		136	90	25.1	8.55					<10	<200	<10		
01/25/1990				9.81				<0.02	7.64		111	140	5.7	10.6					<10	<200	<10		
05/03/1990				10.6				<0.02	<6		140	18	4	11					<10	<200	<10		
09/21/1990				13.9				<0.02	<5		81	41	<1	6.1					<10	<200	<10		
12/11/1990				14.1				<0.02	<6		130	30	<1	5.8					<10	<200	<10		
01/30/1991				15.1				<0.02	<6		108	24	<1	4					<10	<200	<10		
05/01/1991				29.2				<0.02	<6		477	109	46.4	72.9					<10	269	<10		
10/08/1991				15.1				<0.02	<5		183	86	<1	5.96					<10	<200	<10		
06/24/1992								<0.02		2.8				27.2				<500		2.64			
12/19/1992			1.96					0.052						25.9				<500	21,800				
06/29/1993			1.8				0.07							56						<1000			
12/28/1993			1.31				0.08							7						<1000			
06/22/1994			1.21				0.04							11						<1000			
07/05/1995	<0.25		1.46		<0.25	<0.25	0.03							12						<250			
07/08/1996	<0.25	<1	1.72		<0.25	<0.25	<0.06							38						<250			
07/11/1997			0.9				0.15							9.4						<270			
06/23/1998			0.92				<0.14							12.1		<0.2				<250			
06/07/1999			1.49				0.15							21.9						<100			
07/17/2000			1.02				<0.08							14.9		<0.16				<500			
01/30/2001			<0.02				<0.08							7.11		0.60				<500			
07/10/2001			1.1				<0.18							23		<0.14				<500			
08/06/2002			<0.020				<0.18							17		<0.070				<500			
07/24/2003			0.99				<0.13							8.5		0.19				<27			
07/13/2004			1.6				<0.13							35.6		<0.11				28 J			
07/20/2005			1.1				<0.10							8.5		<0.090				<27			
07/18/2006			1.2				<0.13							11		<0.060				<540			
07/09/2007			1.3				<0.19							14		<0.080				<33			
07/22/2008			1.4				<0.12							56		<0.050				77			
07/07/2009			1.4				<0.12							45		<0.040				<26			
07/14/2010			1.4				<0.30 V		220					27		<0.040				39			
07/18/2011			1				0.46							22		<0.030				<28			
07/09/2012			0.94				<0.030							14		<0.016				41			
07/01/2013			1.10				0.27 MY							65		<0.016				<26			
07/07/2014							0.13									<0.016				<27			
07/06/2015							<0.040									<0.050				<27			
07/05/2016							<0.040									0.092				<34			
07/10/2017							<0.040									<0.020				39 B			
07/10/2018							<0.12									<0.020				<34			
07/08/2019							<0.12									<0.020				<32			
07/06/2020							0.2									<0.020				<34 Q			
07/07/2021							<0.12									<0.020				<34			
07/06/2022							<0.12									<0.020				<32			
07/05/2023							<0.12									<0.020				<32			

Water Quality Indicators - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W33

Date	Ammonia Nitrogen Total (mg/L)	Nitrate (mg/L)	Nitrate + Nitrite Nitrogen (mg/L)	Total Chloride (mg/L)	Dissolved Mercury (ug/L)	Total Mercury (ug/L)	TPH as Mineral Spirits (ug/L)	Dissolved Iron (ug/L)	Dissolved Manganese (ug/L)	Sulfate (ug/L)	Total Organic Carbon (ug/L)
08/07/2002	<0.020		0.98	630		3.4	100,000				
07/24/2003	0.018		1.3	370		10	86,000				
07/14/2004	<0.030		1.55	355		2.7	180,000 Q.M				
07/21/2005	<0.030		2	370		13	190,000				
01/23/2007	0.040		1	560							
07/11/2007	0.052		1.3	460		7.1	120,000 Q				
07/24/2008	0.200		1.5	440		12	28,000				
07/07/2009	<0.030		2	470		1.1	12,000				
01/19/2010	0.240		<2.4 V	440							
07/15/2010	0.075		<0.30 V	470		2.7	21,000				
01/25/2011	0.520		<0.30 V	410							
07/25/2011	0.350		0.23	57		3.7	3,800				
01/23/2012	0.230		0.93	170							
07/19/2012	0.073 M		<0.030	190		2.3	15000 M				
01/08/2013	0.150		<0.040	210							
07/08/2013	<0.040		0.23	110		4.3	17,000				
01/22/2014		0.17					26,000	3,140	2,750	20	8.6
07/07/2014		0.2			<0.016		26,000	1,810	2,030	17	11.0
01/15/2015		0.17					15,000	1,400	1,880	23	9.7
07/09/2015		0.37			<0.050		6,500	851	1360 M	12	7.0
01/14/2016		0.10					12,000	1,680	1,430	17	6.7
07/12/2016		0.15			0.21		4,800	1,600	1,500	13	6.4
01/19/2017		<0.040					9,400	2,560	1,510	20	21.0
07/18/2017		0.44			<0.020		3,500	693	1,850	12	9.3
01/11/2018		<0.040					14,000	1,160	1,720	15	9.5
07/19/2018		<0.12			<0.020		7,400	847	1,550	14	5.2
01/28/2019		<0.12					5,700	1,130	2,170	15	7.9
07/15/2019		2.1			<0.020		<34	<59	36.5	7.3	4.6
01/14/2020		1.9					2,400	510	1,480	10	6.9
07/14/2020		0.3			0.94		440	257	423 M	9.8	2.9
01/12/2021		<0.12					4,100	504	1,910	14.0	9.7
07/14/2021		0.67			0.022		2,900	187	1,130	6.0	<0.4
01/18/2022		<0.12					3,900	1,260	2,160	13.0	8.1
1/18/2022 Duplicate		<0.12					3,100	1,270	2,170	13.0	7.0
07/11/2022		0.13			0.029		26,000	428	1,840	10.0	6.7
01/11/2023		0.32					6,000	2,200	2,230 M	10	4.7
07/11/2023		<0.12			0.026		2,200	888	1,930	9.5	5.8



Water Quality Indicators - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W36

Sampled	#2 Fuel Oil (mg/L)	#6 Fuel Oil (mg/L)	Ammonia Nitrogen Total (mg/L)	Gasoline (mg/L)	Kerosene (mg/L)	Nitrate + Nitrite Nitrogen (mg/L)	Nitrogen, Nitrate (mg/L)	Phosphorus, Phosphate (mg/L)	Total Chloride (mg/L)	Dissolved Mercury (ug/L)	Total Mercury (ug/L)	TPH as Mineral Spirits (ug/L)
02/20/1992							<0.02		100			1200
08/03/1992							0.048		102			1000
09/17/1992			<1				0.055	2.93	48.7			650
09/13/1995			<0.1			2.31						136
07/10/1996	<0.25	<1	<0.1	<0.25	<0.25	0.21			120			1800
07/11/1997			<0.1			1.4			77			33000
01/02/1998			<0.1			1.33			94.2			
06/25/1998			<0.1			2.44			92.8		11.5	2400
01/27/1999			<0.1			2.8			95.1		23	
06/09/1999			0.11			2.755			96.05			<100
01/11/2000			<0.1			3.16			118		10.7	
07/18/2000			<0.02			2.88			133		4.45	1300
01/31/2001			0.250			3.27			107		6.9	<500
07/11/2001			<0.020			3.8			92		<0.14	<500
01/15/2002			0.260			3.6			110			
08/06/2002			<0.020			4			130		<0.070	<500
01/15/2003			<0.070			4.2			150			
07/22/2003			0.053			3.9			250		1.8	150
01/21/2004			<0.030			3.8			230			
07/14/2004			<0.030			4.17			190		0.49	430 Q
01/20/2005			<0.030			4.2			160			
07/21/2005			<0.030			3.6			160		0.91	230
01/18/2006			<0.023			3.420			163			
07/18/2006			<0.023			3.7			150		0.32	<520
01/23/2007			<0.023			4.7			200			
07/09/2007			<0.021			4.4			220		0.29	<28
7/9/2007 Duplicate			<0.021			4.5			220		0.32	<27 MY
01/29/2008			<0.021			5.6 Q			240			
01/29/2008 Duplicate			<0.021			5.6 Q			230			
07/23/2008			<0.080			<0.12			230		0.21	78
01/20/2009			<0.080			5.5			230			
1/20/2009 Duplicate			<0.080			5.6			220			
07/06/2009			<0.030			6.2			250		0.21	<27
01/18/2010			<0.030			6.6			290			
07/14/2010			<0.050			6.4			220		0.37	<27
01/24/2011			<0.050			5.7			210			
07/19/2011			0.042			5.2			180		0.58	<27
01/18/2012			<0.17			2.1			320			
07/09/2012			<0.030			5.2			210		0.86 B	<27
01/07/2013			<0.030			5.4			200			
07/02/2013			<0.040			5.2			200		1.5	<27
07/09/2014							5.4			<0.016		<26
07/07/2015							4.7			<0.050		<27
07/06/2016							5.4			0.049		<33
07/11/2017							5.7			<0.020		44 B
07/12/2018							6.7			<0.020		<33 Q
07/09/2019							5.8			<0.020		<33
07/08/2020							6.4			<0.020		<34
07/07/2021							5.7			<0.020		<33
07/06/2022							6			<0.020		<31
07/06/2023							7			<0.020		<32

Water Quality Indicators - Historical Data  
WAULECO, INC - Wausau Facility  
Well - W39

Date	#2 Fuel Oil (mg/L)	#6 Fuel Oil (mg/L)	Ammonia Nitrogen Total (mg/L)	Gasoline (mg/L)	Kerosene (mg/L)	Nitrate (mg/L)	Nitrate + Nitrite Nitrogen (mg/L)	Nitrogen, Nitrate (mg/L)	Phosphorus, Phosphate (mg/L)	Total Chloride (mg/L)	Dissolved Mercury (ug/L)	Total Mercury (ug/L)	TPH as Mineral Spirits (ug/L)	Sodium (ug/L)	Arsenic (ug/L)
06/17/1992								0.461	5.36	193			<500		<1
12/18/1992			<1					0.905		195			75,000	96,200	
06/21/1994			<0.1				0.58			185			<1000		
03/10/1995			0.3				0.4			75					
09/13/1995			0.16				0.1			62					
12/18/1995			0.45				0.24			141					
03/20/1996			0.13				<0.1			69					
07/09/1996	<13	<50	0.11	<13	<13		0.08			170			95,000		
01/21/1997			<0.1				1			122					
07/11/1997			<0.1				1.24			163			160,000		
01/02/1998			<0.1				0.57			207					
06/24/1998			<0.1				0.6			189		2.2	45,000		
06/09/1999			0.36				2.78			155			27,000		
07/19/2000			<0.02				1.4			168		3.2	240,000		
07/11/2001			<0.020				1.8			200			1.0	34,000	
08/06/2002			<0.020				2.1			97		0.25	140,000		
01/15/2003			<0.070				3.6			310					
07/22/2003			0.053				2.3			180		1.10	28,000		
01/20/2004			0.037				3.900			320					
07/14/2004			<0.030				3.41			292		1.40	33,000 Q		
01/20/2005			<0.030				3.3			290					
07/20/2005			<0.030				4			210		0.18	1,300		
01/17/2006			<0.023				2.23			297					
07/19/2006			<0.023				2.7			140		0.29	16000 Q		
7/19/2006 Duplicate			<0.023				2.0			140		0.33	15000 Q		
01/23/2007			0.25				1.1			260					
07/11/2007			0.25				1.1			170		1.50	22000 Q		
01/28/2008			<0.021				2.4 Q			190					
07/24/2008			0.59				1.6			270		4.90	9,500		
01/21/2009			<0.080				2.4			370					
07/07/2009			0.17				3.7			320		0.71	11,000		
01/19/2010			0.24				1.3 V			360					
1/19/2010 Duplicate			0.18				1.6 V			350					
07/14/2010			0.51				0.54 V			52		5.40	13,000		
01/25/2011			0.59				<0.060			81					
1/25/2011 Duplicate			0.60				<0.060			78					
07/25/2011			0.067				0.36			61		5.30	6,100		
01/17/2012			0.97				<0.18			150					
1/17/2012 Duplicate			1.00				<0.18			150					
07/10/2012			1.10				1.1			230		1.10	3,600		
01/04/2013			0.65				0.63			240					
1/4/2013 Duplicate			0.71				0.64			230					
07/08/2013			1.40				0.22			360		2.00	4,000		
01/21/2014								0.21							
07/08/2014								0.33			0.030 B		8,600		
01/15/2015								0.22							
07/09/2015								2			<0.050		3,000		
01/14/2016								0.23							
07/07/2016								0.38			0.082		2,000		
01/19/2017								0.15							
07/17/2017								<0.040			0.058		980		
01/09/2018								<0.040							
07/12/2018								<0.12			0.062		2000 Q		
01/21/2019								<0.12							
1/21/2019 Duplicate								<0.12							

Water Quality Indicators - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W40-W40R

Date	Ammonia Nitrogen Total (mg/L)	Nitrate (mg/L)	Nitrate + Nitrite Nitrogen (mg/L)	Total Chloride (mg/L)	Dissolved Mercury (ug/L)	Total Mercury (ug/L)	TPH as Mineral Spirits (ug/L)	Total Sulfate (mg/L)	Total Organic Carbon (mg/L)	Dissolved Iron (mg/L)	Dissolved Manganese (ug/L)
01/19/2010	<0.030		<1.2 V	290							
07/15/2010	<0.050		<0.30 V	360		7.9	250,000				
01/25/2011	<0.050		<0.30 V	210							
07/25/2011	0.048		0.38	160		3.8	130,000				
01/18/2012	<0.17		0.69	240							
07/19/2012	<0.030		<0.030	220		4.2	56,000				
01/07/2013	<0.030		0.13	210							
07/08/2013	<0.040		<0.080	690		2.5	280,000				
01/21/2014		<0.080									
07/08/2014		<0.080			<0.016		47,000				
01/15/2015		0.15									
07/09/2015		<0.040			<0.050		38,000				
01/19/2016		<0.040									
07/12/2016		<0.040			0.12		28,000				
01/19/2017		<0.040									
07/18/2017		<0.040			<0.020		250,000	10	43	3360	8080
01/15/2018		<0.040					360,000	8.1	72	2460	3210
07/19/2018		<0.12			<0.020		300,000	7.9 M	37	4540	5680
01/28/2019		<0.12					140,000	7.6	24	5050	12800
07/18/2019		<0.12			<0.020		31,000	16	8.8	109	6580 M
01/23/2020		<0.12					36,000	9.5	16	1220	5220
07/16/2020		<0.12			<0.020		15,000	8.8	5.5	374	4670 M
7/16/2020 Duplicate		0.12			<0.020		19,000	8.6	3.1	392	4670
01/13/2021		<0.12					7,600	5.7	8.6	1030	4830 M
07/14/2021		<0.12			0.021		18,000	5.9	10	1430	4000
07/11/2023		<0.12			<0.020		32,000	9.7	11	4250	8160

Water Quality Indicators - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W41

Date	#2 Fuel Oil (mg/L)	#6 Fuel Oil (mg/L)	Ammonia Nitrogen Total (mg/L)	Gasoline (mg/L)	Kerosene (mg/L)	Nitrate (mg/L)	Nitrate + Nitrite Nitrogen (mg/L)	Nitrogen, Nitrate (mg/L)	Phosphorus, Phosphate (mg/L)	Total Chloride (mg/L)	Dissolved Mercury (ug/L)	Total Mercury (ug/L)	TPH as Mineral Spirits (ug/L)	Sodium (ug/L)	Arsenic (ug/L)	Total Sulfate (mg/L)	Total Organic Carbon (mg/L)	Dissolved Iron (mg/L)	Dissolved Manganese (ug/L)
02/25/1992								0.759		80.6			141,000						
06/16/1992								0.345	5.11	246			500						
09/17/1992			<1					0.543	2.55	168			900	67,800	<1				
12/19/1992			<1					0.228		211			9,000	103,000					
03/24/1993			0.66				0.34			122			7,100	107,000					
06/30/1993			0.12				0.05			124			330,000						
12/28/1993			0.34				1.75			218			5,600						
04/25/1994			0.34				0.04			115									
06/21/1994			0.22				0.04			91			2,800						
10/04/1994			0.6				0.34			44									
03/10/1995			0.47				0.53			191									
07/06/1995	<0.25		0.85	<0.25	<0.25		0.9			132			5,500						
09/13/1995			0.57				0.29			100									
03/20/1996			0.54				<0.2			162									
07/09/1996	<2.5	<10	0.26	<2.5	<2.5		<0.02			137			13,000						
09/25/1996			0.2				0.74			164									
07/11/1997			0.3				3.76			146			10,000						
01/02/1998			0.26				0.75			323									
06/24/1998			0.22				0.52			281	0.4		5,200						
01/26/1999			0.15				0.35			318	0.4								
06/08/1999			0.57				0.5			414			5,900						
01/11/2000			0.5				0.213			250	0.75								
07/19/2000			0.290				0.55			248	0.22		11,000						
01/31/2001			0.360				<0.08			206	0.21		5,600						
07/11/2001			0.40				0.64			210	0.21		6,300						
01/15/2002			0.88				<0.18			110									
08/06/2002			<0.020				0.63			230	0.12		8,600						
01/14/2003			0.53				1.1			200									
07/22/2003			0.74				1.2			170	0.48		7,000						
01/20/2004			1.10				0.62			240									
07/13/2004			0.90				0.81			1080	0.52		8300 Y						
07/13/2004			0.98				1.28			255	0.43		9300 Y						
01/20/2005			1.00				1.60			220									
07/19/2005			1.20				1.70			230	0.44		8,300						
01/17/2006			0.98				0.89			187									
07/19/2006			0.89				0.54			190	0.48		6,600						
01/23/2007			0.80				0.46			190									
07/09/2007			0.67				0.70			130	0.38		5600 Q						
01/28/2008			0.59				1.6 Q			160									
07/24/2008			0.53				1.40			220	0.62		9,100						
01/21/2009			0.85				1.20			300									
1/21/2009 Duplicate			0.94				0.68			300									
07/07/2009			0.75				1.80			280	0.28		3,300						
01/19/2010			0.77				1.7 V			250									
07/14/2010			0.21				3.80			110	0.2		2,900						
01/25/2011			0.32				1.40			89									
07/20/2011			0.13				<0.18			25	0.34		2,500						
01/17/2012			0.60				<0.18			84									
07/10/2012			0.46				0.098			140	0.94		5,600						
01/04/2013			0.51				0.350			210									
07/05/2013			0.37				<0.080			190	0.27		11,000						
01/21/2014								0.22											
07/09/2014								0.20			<0.016		9,100						

Water Quality Indicators - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W41

Date	#2 Fuel Oil (mg/L)	#6 Fuel Oil (mg/L)	Ammonia Nitrogen Total (mg/L)	Gasoline (mg/L)	Kerosene (mg/L)	Nitrate (mg/L)	Nitrate + Nitrite Nitrogen (mg/L)	Nitrogen, Nitrate (mg/L)	Phosphorus, Phosphate (mg/L)	Total Chloride (mg/L)	Dissolved Mercury (ug/L)	Total Mercury (ug/L)	TPH as Mineral Spirits (ug/L)	Sodium (ug/L)	Arsenic (ug/L)	Total Sulfate (mg/L)	Total Organic Carbon (mg/L)	Dissolved Iron (mg/L)	Dissolved Manganese (ug/L)
01/15/2015 07/08/2015								0.15 <0.040			<0.050		8,200						
01/14/2016 07/12/2016								0.27 <0.040			0.15		2,500						
01/19/2017 07/18/2017								0.20 0.14			<0.020		1,400			22	20	1380	14300
01/11/2018 07/18/2018								<0.040 0.15			<0.020		1,600 1,300			14 9.7	31 26	8200 M 6930	12700 M 14600
01/24/2019 07/15/2019								<0.12 0.36			<0.020		2,400 680			4.1 7.9	48 7.7	7940 6070	17100 13700
01/22/2020 1/22/2020 Duplicate								<0.12 <0.12					2,300 1,500			1.7 1.5	31 34	15300 M 15300	18700 M 19300
07/08/2020								0.22			<0.020		1,100			1.6	9.6	13700	15100
01/13/2021 1/13/2021 Duplicate								<0.12 H <0.12 H					2,900 2,400			4.4 3.1	20 18	18500 19900	31200 33000
07/13/2021								0.39			<0.020		1,800			9.7	23	3160	18900
01/17/2022 07/11/2022								<0.12 0.2			0.024		1,500 1,300			6.3 3.4	21 21	13300 8360	24400 22300
01/17/2023 07/11/2023								0.16 <0.12					1,700 1,500			4.1 4	24 16	17900 11900	27900 24100

Water Quality Indicators - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W69

Date	Ammonia Nitrogen Total (mg/L)	Nitrate + Nitrite Nitrogen (mg/L)	Total Chloride (mg/L)	Total Mercury (ug/L)	TPH as Mineral Spirits (ug/L)
07/24/2003	0.095	0.77	120	23	61,000
01/21/2004	0.15 J	0.23 J	130		
07/14/2004	<0.030	1.25	96.7	35.0	76,000 Q
7/14/2004 Duplicate	<0.030	1.20	75.1	16.0	72,000 Q
01/20/2005	0.048 J	0.75	83		
07/23/2008	<0.080	0.92	150	7.4	8,300
01/21/2009	<0.080	1.30	140		
01/25/2011	0.23	0.98	59		
07/25/2011	0.059	0.28	35	56.8	7,900 MY
01/18/2012	<0.17	<0.18	71		
07/10/2012	0.18	0.44	81	<0.016	8,600 M
01/07/2013	0.26	0.054 M	44		
07/08/2013	<0.040	0.120	25	12.6	6,500

Note:

WDNR letter dated March 18, 2014 concurred with TRC letter dated October 13, 2013 that this well could be eliminated from the monitoring network.

Water Quality Indicators - Historical Data  
WAULECO, INC - Wausau Facility  
Well - W71

Date	TPH as Mineral Spirits (ug/L)
07/01/2016	<34
07/10/2017	35 B
07/10/2018	<34
07/15/2019	<33
07/06/2020	<35 Q
07/06/2021	<31
07/05/2022	<31
07/05/2023	<32

Water Quality Indicators - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W72

Date	TPH as Mineral Spirits (ug/L)
07/01/2016	<33
07/10/2017	<34
07/10/2018	<34
07/11/2019	<34
07/06/2020	<34 Q
07/06/2021	<32
07/05/2022	<31
07/05/2023	<32



Water Quality Indicators - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W73

Date	TPH as Mineral Spirits (ug/L)	Nitrate Nitrogen (mg/L)	Total Sulfate (mg/L)	Total Organic Carbon (mg/L)	Dissolved Mercury (mg/L)	Dissolved Iron (mg/L)	Dissolved Manganese (ug/L)
07/01/2016	<34						
07/10/2017	39 B		17	10		<59	10.1
01/09/2018	<33		32	4.8		<59 M,Y	2.4 M,Y
07/10/2018	<31		22	1.5		<59	22.4
01/22/2019	<32		20	2.8		<59	51.4
07/11/2019	<34	4.4	19	3.9		118	70.2
01/10/2020	<32		21	1.9		<59	2.8
07/07/2020	<34		19	2.5	<0.020	<59	17.9
01/07/2021	<33		25	1.5		<36	1.8
07/08/2021	<34 Q		21	2		<36	<1.4
01/12/2022	<31		29	1.9		<27	1.6
07/05/2022	<31		20	1.3		<27	2.2
01/09/2023	<33		26	1.1		538	36.8
07/05/2023	<32	5.3	16	2.4	<0.020	<25	10.2

Water Quality Indicators - Historical Data  
WAULECO, INC - Wausau Facility  
Well - W74

Date	TPH as Mineral Spirits (ug/L)
07/01/2016	<33
07/10/2017	36 B
07/10/2018	<34
07/11/2019	<33
07/07/2020	<34
07/06/2021	<31
07/05/2022	<31
07/05/2023	<32

Water Quality Indicators - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - FP2

Date	Nitrate Nitrogen (mg/L)	Total Sulfate (mg/L)	Total Organic Carbon (mg/L)	Dissolved Iron (mg/L)	Dissolved Manganese (ug/L)	TPH as Mineral Spirits (ug/L)
01/24/2014		3.9	6.9	14,000	9,790	8,300
07/10/2014		6.3	10	12,100	8,340	5,900
01/12/2015		3.5	8.1	15,200	9,970	6,200
07/09/2015	<0.040	4.4	8.6	11,300	7,720	5,800
01/12/2016		2.5	7.9	12,200	7,000	3,700
07/06/2016		2.3	7.8	11,500	7,330 M	3,000
01/16/2017		3.8	12	15,600 M	7,300 M	5,500
07/18/2017		3.3	9.4	16,400	9,430	3,900
01/11/2018		2.6	8.6	13,500	6,600	3,000
07/12/2018		2.9	7.3	16,800	9,500	2,700 Q
01/22/2019		3	7.7	15,600	7,210	2,600
07/11/2019		6.2	8.2	15,900	8,370	1,200
01/13/2020		1.7	6.6	14,400 M	7,310 M	3,500
07/08/2020		2.4	8.8	14,700	7,780	2,400
01/12/2021		1.7	7.3	15,100	7,240	3,100
07/07/2021		2.1	8.1	10,500 M	4,850 M	2,300
01/17/2022		1.5	10	12,600	5,930	2,600
07/12/2022		1.3	7.3	13,200	6,900	2,500
01/11/2023		1.6	6.9	16,900	7,210	2,400
07/11/2023		2.1	6.2	18,400	7,680	1,900

Water Quality Indicators - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - PW17

Date	Nitrate Nitrogen (mg/L)	Total Sulfate (mg/L)	Total Organic Carbon (mg/L)	Dissolved Iron (mg/L)	Dissolved Manganese (ug/L)	TPH as Mineral Spirits (ug/L)	Dissolved Mercury (ug/L)
01/24/2014		7.8	13	4,250 M	5,980 M	7,300	7,300
07/10/2014		16	6.7	3,910	3,150	3,500	3,500
7/10/2014 Duplicate		16	7.2	3,970	3,140	3,400	3,400
01/12/2015		16	8.3	2770	2680	5,500	
07/09/2015	0.26	14	6.9	5920	3630	3,600	
01/12/2016		13	7	8310	3730	1,800	
07/06/2016		15	5.9	5440	3030	800	
01/16/2017		21	6.6	221	1380	1300	
07/18/2017		12	7.4	3960	3790	2100	
01/11/2018		13	6.5	2520	2110	1400	
07/12/2018		13	5.2	3600	3630	1100 Q	
01/02/2019		9.3	7.3	2910	2810	2200	
07/11/2019		22	11	4840	3930	260	
01/13/2020		11	5.3	3150	2350	<32	
07/08/2020		17	9	6190	4770	2400	
01/12/2021		12	6.4	773	1730	1300	
07/07/2021		12	11	5610	3380	1200	
01/17/2022		11	7.7	2610	2840	1300	
07/12/2022		9.9	4.2	3070	3660	690	
01/11/2023		13	14	8460	2380	230	
07/11/2023		10	3.7	2310	3070	660	

Water Quality Indicators - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - DFOMW5

Date	TPH as Mineral Spirits (ug/L)
07/11/2016	250
07/20/2017	92 B
07/16/2018	290
07/16/2019	<34
07/13/2020	61
07/12/2021	180 Q
07/13/2022	200
07/10/2023	51

**B2**

**Phenolics**

Phenolics - Historical Data  
WAULECO, INC - Wausau Facility  
Well - W01A

Date	2,3,4,6-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	3&4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Chloro-3-Methylphenol	4-Nitrophenol	Dinoseb	Pentachlorophenol	Phenol	Phenol/2-Chlorophenol
02/19/92		<1		<1	<0.5	5.91	5.27		<0.5		<0.5		<1	<0.5	<1		101	<0.5	
06/14/92		<1.02		<1.02	<0.51	<0.51	<1.02		24.3		<0.51		<1.02	<0.51	<1.02		168	<0.51	
09/17/92		<1		34.3	<0.5	67.8	<1		<0.5		<0.5		<1	<0.5	42.1		193	<0.5	
12/18/92		<1		5.18	23.3	<0.5	6.69		<0.5		<0.5		<1	1.77	2.51		150	24.1	
03/23/93		<20		<60	<2	<2	<6		<2		<2		<10	<10	<10		219	<2	
06/28/93	40		<20	<10	<10	<10	310	<10		170	<10	<20	37	<10	430	<10	210		<20
12/28/93	<160		<320	<160	<160	190	<320	<160		<160	<160	<320	<160	<160	<320	<160	310		240
04/25/94	<10		59	55	<10	<10	67	<10		<10	<10	<20	<10	19	24	<10	20		<20
06/21/94	69		160	120	130	29	110	27		64	200	<20	46	59	65	<10	120		<20
10/04/94	<10		58	65	<10	86	34	<10		22	<10	<20	<10	18	<20	<10	89		<20
01/05/95	28		<20	<10	<10	<10	<20	<10		<10	<10	<20	<10	20	<20	<10	50		<20
03/10/95	<10		26	18	10	44	<20	<10		44	50	41	<10	12	21	<10	28		35
07/05/95	<25		<10	<10	<10	<10	<50		<10	<10	<10	<20	<50	<20	<50	<25	<50	<10	
09/13/95	20		70	130	53	42	89	24	<10	26	21	20	<10	91	29	<10	150	<10	
12/18/95	<100		<100	<100	<100	<100	<200	<100	<100	<100	<100	<200	<100	<100	<200	<100	180	<100	
03/21/96	<10		86	53	12	16	<20	13	<10	<10	<10	<20	20	48	24	<10	140	<10	
07/10/96	<10		<10	<10	<10	<10	<20	<10	<10	<10	14	<20	<10	16	<20	<10	64	<10	
09/25/96	0.77		<0.73	<0.71	<0.8	<1.5	<0.72	<0.87	<1.2	<0.79	<1.5	1.7	<0.75	<0.69	<0.74	<0.85	0.68	<1	
01/21/97	<7.9		<7.5	<7.3	<8.2	<16	<7.4	<9	<12	<8.1	<16	<18	<7.7	<7.1	<7.6	<8.8	185	<11	
07/11/97	<0.182		130	110	310	210	<0.269	690	<0.194	360	380	230	<0.362	300	170		340	230	
01/02/98	50		110	70	260	100	550	410	140	270	230	<0.128	170	65	<0.351		80	<0.127	
06/23/98	67		78	80	200	120	380	440	200	200	320	88	170	160	<60		63	130	
01/26/99			95	68		78	190	110		120	150	86		90	140			120	
06/09/99	<300		<300	<300	500	<300	440	630	2100	340	1100	1200	<300	<300	<300		520	4400	
01/11/00	<75		<75	<75	<75	<75	<75	<75	<75	<75	<75	<75	<75	<75	<75		140	<75	
07/18/00	<150		970	210	2100	1600	<150	2500	3100	2000	2500	2900	200	300	3500		690	2700	
01/31/01	<30		<30	<30	<30	<30	<30	<30	<30	41	<30	<30	<30	<30	79		<30	<30	
07/09/01	<150		<150	<150	<150	<150	<150	<150	<150	<150	<150	<150	<150	<150	<150		280	<150	
08/06/02	<150		<150	<150	200	210	<150	330	190	440	340	730	<150	310	<150		<150	860	
01/14/03	80		<30	42	410	<30	<30	<30	<30	250	510	<30	<30	<30	<30		35	<30	
07/22/03	9.3		<6	<6	59	21	<6	<6	<6	70	72	94	<6	<6	<6		71	7	
01/20/04	15		9.2	<6.0 J	40	9.9 J	15	<6.0	21	81	93	120	<6.0 J	<6.0	8.0		97	22	
07/13/04	<6.0		17	11	28	7.5J	14	10	<6.0	18	7.7J	23	<6.0	<6.0	<8.0		33	37	
01/19/05	<3.0		<3.0	<3.0	4.4	<3.0	<3.0	<3.0	8.2	6	29	9.3	<3.0	<3.0	<3.0		7.9	7.7	
07/21/05	<6.0 V		<6.0 V	<6.0 V	<6.0 V	<6.0 V	<6.0 V	<6.0 V	22 V	14 V	62 V	19 V	<6.0 V	<6.0 V	<6.0 V		70 V	<6.0 V	
01/17/06	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		5.6	<3.0	
07/18/06	<60		<60	<60	170	230	88	130	740	600	1800	690	65	62	<60		130	860	
01/24/07	<3.0		<3.0	<3.0	11	4.9	<3.0	<3.0	<3.0	7.7	100	11	<3.0	<3.0	<3.0		13	<3.0	
07/11/07	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		18	<3.0	
01/29/08	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		18	<3.0	
07/23/08	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		22	<3.0	

Phenolics - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W01A

Date	2,3,4,6-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	3&4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Chloro-3-Methylphenol	4-Nitrophenol	Dinoseb	Pentachlorophenol	Phenol	Pheno/2-Chlorophenol
01/20/09	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0Q	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<b>9.5</b>	<3.0	
07/06/09	<b>3.7</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<b>47</b>	<3.0	
01/18/10	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<b>20</b>	<3.0	
07/13/10	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<b>20</b>	<3.0	
01/24/11	<b>4.2</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<b>45</b>	<3.0	
07/19/11	<b>1.6</b>		<1.3	<1.2	<1.2	<0.95	<1.7	<1.4	<1.0	<1.0	<1.0	<1.6	<1.9	<0.88	<1.3		<b>11</b>	<0.56	
01/23/12	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<b>2.5</b>	<3.0	
07/06/12	<b>2.1</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<b>21</b>	<3.0	
01/04/13	<b>1.4</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<b>14</b>	<3.0	
07/05/13	<b>4.2</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<b>42</b>	<3.0	
07/07/14	<b>4.1</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<b>42</b>	<3.0	
07/07/15	<b>5.8</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<b>1.1</b>	<3.0	<3.0			<b>60</b>	<3.0	
07/06/16	<b>2.5</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<b>31</b>	<3.0	
07/11/17	<b>2.2</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<b>27</b>	<3.0	
07/12/18	<b>3.8</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<b>40</b>	<3.0	
07/09/19	<b>0.94</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<b>11</b>	<3.0	
07/08/20	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<b>5.6</b>	<3.0	

Notes: Prepared By: T. Dushak, 8/7/20 Checked By: A. Voit, 11/23/20

- 1.) All units are in ug/L.
- 2.) Bold Values indicate detections
- 3.) J = Estimated Value
- 4.) M = Matrix spike and/or Matrix Spike duplicate recovery outside acceptance limits.
- 5.) Q = Laboratory Control Sample outside acceptance limits.
- 6.) Y = Replicate/Duplicate precision outside acceptance limits.
- 7.) V = Raised quantitation or reporting limit due to limited sample amount or dilution for matrix background interference.



Phenolics - Historical Data  
WAULECO, INC - Wausau Facility  
Well - W02

Date	2,3,4,6-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	3&4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Chloro-3-Methylphenol	4-Nitrophenol	Dinoseb	Pentachlorophenol	Phenol	Phenol/2-Chlorophenol
01/08/87																	1220		
06/04/87																	6520		
09/03/87																	394		
12/03/87																	180		
03/02/88																	1200		
04/07/88																	10		
08/10/88																	4200		
11/15/88																	4700		
01/26/89																	455		
04/27/89																	6550		
07/27/89																	5940		
10/26/89																	2340		
01/25/90																	8450		
05/03/90																	2380		
09/20/90																	5940		
12/11/90																	6400		
01/30/91																	11400		
05/01/91																	47000		
06/18/91																	15100		
10/08/91																	14800		
02/20/92				<1	<0.5	19.8	<1		<0.5		<0.5		<1	<0.5	46.3		7550	<0.5	
06/14/92		<1.05		146	<0.526	5.42	47.2		<0.526		<0.526		<1.05	<0.526	39.6		10900	<0.526	
09/17/92		39.4		<1	36.7	1.99	<1		<0.5		<0.5		2.87	<0.5	52.6		9590	<0.5	
12/18/92		12.9		<1	<0.5	<0.5	4.35		<0.5		<0.5		<1	1.77	4.93		12700	45.7	
03/24/93		<20		<6	<2	<2	<6		<2		<2		<10	<10	<10		<10	<2	
04/25/94	600		190	490	<10	89	95	110		300	68	110	75	130	110	40	1500		230
06/22/94	1300		400	290	560	110	340	370		210	410	<200	<100	<100	240	<100	5000		<200
10/04/94	1400		<1000	<500	<500	<500	<1000	<500		<500	<500	<1000	<500	<500	<1000	<500	14000		<1000
01/05/95	1400		<1000	<500	<500	<500	<1000	<500		<500	<500	<1000	<500	<500	<1000	<500	16000		<1000
03/10/95	<1000		<2000	<1000	<1000	<1000	<2000	<1000		<1000	<1000	<2000	<1000	<1000	<2000	<1000	6900		<2000
07/06/95	<2500		<1000	<1000	<1000	<1000	<5000		<1000	<1000	<1000	<2000	<5000	<2000	<5000	<2500	11000	<1000	
09/13/95	<1000		<1000	<1000	<1000	<1000	<2000	<1000		<1000	<1000	<2000	<1000	<1000	<2000	<1000	9200	<1000	
12/18/95	<5000		<5000	<5000	<5000	<5000	<10000	<5000		<5000	<5000	<10000	<5000	<5000	<10000	<5000	6700	<5000	
03/21/96	<1000		<1000	<1000	<1000	<1000	<2000	<1000		<1000	<1000	<2000	1100	<1000	<2000	<1000	11000	<1000	
07/10/96	<5000		<5000	<5000	<5000	<5000	<10000	<5000		<5000	<5000	<10000	<5000	<5000	<10000	<5000	1400	<5000	
01/21/97	1750		<75	<73	<82	<159	<74	<90	<121	<81	<159	<178	<77	<71	<76	<88	10900	<107	
07/11/97	<0.182		<0.453	<0.469	<0.344	<0.148	<0.269	<0.397	1200	<0.252	<0.104	<0.128	<0.362	<0.105	2300		21000	<0.127	
01/02/98	<0.182		<0.453	<0.469	<0.344	<0.148	<0.269	<0.397	<0.194	<0.252	<0.104	<0.128	<0.362	<0.105	<0.351		12000	<0.127	
06/25/98	<3000		<3000	<3000	<3000	<3000	<3000	<3000	<3000	<3000	<3000	<3000	<3000	<3000	<3000		26000	<3000	
01/27/99						3200	3700	3100									25000		
01/15/03	1500		<1500	<1500	3900	<1500	4500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500		13000	<1500	<1500
07/22/03	<1500		<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500		10000	<1500	<1500
07/13/04	<600		<600	<600J	<600	<600	1100	<600	<600	<600	<600	<600	<600	<600	<800		6600	810	
01/21/04	<1500		<1500	<1500	<1500	<1500	<1500	<1500	<1500 J	<1500 J	<1500	<1500	<1500J	<1500	<1500J		15000	<1500J	
01/20/05	700 JV		<600 V	<600 V	<600 V	<600 V	<600 V	<600 V	<600 V	<600 V	1700 V	<600 V	<600 V	<600 V	<600 V		9600 V	690 V	
1/20/2005																			
Duplicate	640 JV		<600 V	<600 V	<600 V	<600 V	<600 V	<600 V	<600 V	<600 V	2200 V	<600 V	<600 V	<600 V	<600 V		8700 V	760 V	
07/21/05	670 V		<600 V	<600 V	<600 V	<600 V	<600 V	<600 V	<600 V	<600 V	2500 V	<600 V	<600 V	<600 V	<600 V		9300V	<600 V	
7/21/2005																			
Duplicate	<600 V		<600 V	<600 V	<600 V	<600 V	<600 V	<600 V	<600 V	<600 V	920 V	<600 V	<600 V	<600 V	<600 V		8300V	<600 V	

Phenolics - Historical Data  
WAULECO, INC - Wausau Facility  
Well - W02

Date	2,3,4,6-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	3&4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Chloro-3-Methylphenol	4-Nitrophenol	Dinoseb	Pentachlorophenol	Phenol	Phenol/2-Chlorophenol
01/17/06	<600 V		<600 V	<600 V	<600 V	<600 V	<600 V	<600 V	<600 V	<600 V	<600 V	<600 V	<600 V	<600 V	<600 V		<b>7800V</b>	<600 V	
1/17/2006 Duplicate	<600 V		<600 V	<600 V	<600 V	<600 V	<600 V	<600 V	<600 V	<600 V	<b>1200 V</b>	<600 V	<600 V	<600 V	<600 V		<b>8500V</b>	<600 V	
01/18/10	<b>140</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<b>31</b>	<3.0	<3.0	<3.0		<b>3200</b>	<3.0	
1/18/2010 Duplicate	<b>110</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<b>27</b>	<3.0	<3.0	<3.0		<b>2600</b>	<3.0	
07/15/10	<b>120 Y</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<b>&lt;3.0</b>	<3.0	<3.0	<3.0		<b>2500</b>	<3.0	
01/25/11	<b>100</b>		<11	<10	<10	<8.4	<15	<12	<8.9	<8.8	<9.2	<14	<16	<7.8	<11		<b>1500</b>	<4.9	
07/20/11	<110		<1.1	<1.0	<1.0	<0.84	<1.5	<1.2	<0.89	<0.88	<0.92	<1.4	<1.6	<0.78	<1.1		<b>970</b>	<0.49	
01/18/12	<b>81</b>		<11	<10	<10	<8.3	<15	<12	<8.8	<8.7	<9.1	<14	<16	<7.7	<11		<b>1500</b>	<4.8	
07/09/12	<b>170</b>		<5.8	<5.3	<5.3	<4.3	<7.9	<6.3	<4.6	<4.5	<4.7	<7.4	<8.4	<4.0	<5.8		<b>2000</b>	<3.0	
7/9/2012 Duplicate	<b>190</b>		<5.7	<5.2	<5.2	<4.2	<7.7	<6.2	<4.5	<4.4	<4.6	<7.2	<8.2	<3.9	<5.7		<b>2100</b>	<3.0	
01/07/13	<b>160</b>		<56	<51	<51	<41	<76	<61	<44	<43	<45	<71	<81	<38	<56		<b>2800</b>	<24	
07/08/13	<110		<110	<100	<100	<84	<150	<120	<89	<88	<92	<140	<160	<78	<110		<b>1700</b>	<49	
07/16/14	<220		<220	<200	<200	<170	<310	<240	<180	<180	<180	<290	<330	<160	<220		<b>3000</b>	<98	
07/08/15	<b>100</b>		<26	<6.3	<26	<9.4	<78	<21	<6.3	<21	<15	<21	<31	<14	<31		<b>1900</b>	<6.8	
07/07/16	<b>67</b>		<6.1	<26	<6.6	<10	<15	<20	<6.1	<7.7	<6.1	<8.7	<15	<7.1	<10		<b>1500</b>	<12	
7/7/2016 Duplicate	<b>57</b>		<6.1	<26	<6.6	<10	<15	<20	<6.1	<7.7	<6.1	<8.7	<15	<7.1	<10		<b>1400</b>	<12	
07/13/17	<b>49</b>		<6.1	<25	<6.6	<10	<15	<20	<6.1	<7.6	<6.1	<8.6	<15	<7.1	<10		<b>830</b>	<12	
7/13/2017 Duplicate	<b>39</b>		<6.2	<26	<6.7	<10	<15	<21	<6.2	<7.7	<6.2	<8.8	<15	<7.2	<10		<b>690</b>	<12	
07/12/18	<b>47</b>		<5.5	<5	<6.2	<4.8	<6.9	<5	<5.7	<4.8	<5	<5.5	<7.1	<5.2	<5.7		<b>750</b>	<6.2	
7/12/2018 Duplicate	<b>76</b>		<5.5	<5	<6.2	<4.8	<6.9	<5	<5.7	<4.8	<5	<5.5	<7.1	<5.2	<5.7		<b>1100</b>	<6.2	
07/11/19	<b>13</b>		<4.6	<4.2	<5.3	<4	<5.9	<4.2	<4.8	<4	<4.2	<4.6	<6.1	<4.4	<4.8		<b>280</b>	<5.3	
7/11/2019 Duplicate	<b>15</b>		<4.7	<4.3	<5.3	<4.1	<5.9	<4.3	<4.9	<4.1	<4.3	<4.7	<6.1	<4.5	<4.9		<b>260</b>	<5.3	
7/14/2020	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>360</b>	<3.0	
7/14/2020 Duplicate	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>330</b>	<3.0	
07/13/21	<b>49 Q</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>700</b>	<3.0	
7/13/2021 Duplicate	<b>42 Q</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>690</b>	<3.0	
07/12/22	<b>18</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>290</b>	<3.0	
7/12/2022 Duplicate	<b>17</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>270</b>	<3.0	
07/11/23	<b>7.4</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>120</b>	<3.0	
7/11/2023 Duplicate	<b>7.4</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>110</b>	<3.0	

Notes:

Prepared By: T. Dushek, 7/31/23

Checked By: A. Voit, 10/11/23

- 1.) All units are in ug/L.
- 2.) Bold Values indicate detections
- 3.) J = Estimated Value
- 4.) M = Matrix spike and/or Matrix Spike duplicate recovery outside acceptance limits.
- 5.) Q = Laboratory Control Sample outside acceptance limits.
- 6.) Y = Replicate/Duplicate precision outside acceptance limits.
- 7.) V = Raised quantitation or reporting limit due to limited sample amount or dilution for matrix background interference.

Phenolics - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W03A

Date	2,3,4,6-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	3&4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Chloro-3-Methylphenol	4-Nitrophenol	Dinoseb	Pentachlorophenol	Phenol	Phenol/2-Chlorophenol
01/08/87																	1220		
06/04/87																	6520		
09/03/87																	394		
12/03/87																	180		
03/02/88																	1200		
04/07/88																	10		
08/10/88																	4200		
11/15/88																	4700		
01/26/89																	455		
04/27/89																	6550		
07/27/89																	5940		
10/26/89																	2340		
01/25/90																	8450		
05/03/90																	2380		
09/20/90																	5940		
12/11/90																	6400		
01/30/91																	11400		
05/01/91																	47000		
06/18/91																	15100		
10/08/91																	14800		
02/20/92		<1		<1	<0.5	19.8	<1		<0.5		<0.5		<1	<0.5	46.3		7550	<0.5	
06/14/92		<1.05		146	<0.526	5.42	47.2		<0.526		<0.526		<1.05	<0.526	39.6		10900	<0.526	
09/17/92		39.4		<1	36.7	1.99	<1		<0.5		<0.5		2.87	<0.5	52.6		9590	<0.5	
12/18/92		12.9		<1	<0.5	<0.5	4.35		<0.5		<0.5		<1	1.77	4.93		12700	45.7	
03/24/93		<20		<6	<2	<2	<6		<2		<2		<10	<10	<10		<10	<2	
04/25/94	600		190	490	<10	89	95	110		300	68	110	75	130	110	40	1500		230
06/22/94	1300		400	290	560	110	340	370		210	410	<200	<100	<100	240	<100	5000		<200
10/04/94	1400		<1000	<500	<500	<500	<1000	<500		<500	<500	<1000	<500	<500	<1000	<500	14000		<1000
01/05/95	1400		<1000	<500	<500	<500	<1000	<500		<500	<500	<1000	<500	<500	<1000	<500	16000		<1000
03/10/95	<1000		<2000	<1000	<1000	<1000	<2000	<1000		<1000	<1000	<2000	<1000	<1000	<2000	<1000	6900		<2000
07/06/95	<2500		<1000	<1000	<1000	<1000	<5000		<1000	<1000	<1000	<2000	<5000	<2000	<5000	<2500	11000	<1000	
09/13/95	<1000		<1000	<1000	<1000	<1000	<2000	<1000		<1000	<1000	<2000	<1000	<1000	<2000	<1000	9200	<1000	
12/18/95	<5000		<5000	<5000	<5000	<5000	<10000	<5000		<5000	<5000	<10000	<5000	<5000	<10000	<5000	6700	< 5000	
03/21/96	<1000		<1000	<1000	<1000	<1000	<2000	<1000		<1000	<1000	<2000	1100	<1000	<2000	<1000	11000	<1000	
07/10/96	<5000		<5000	<5000	<5000	<5000	<10000	<5000		<5000	<5000	<10000	<5000	<5000	<10000	<5000	1400	<5000	
01/21/97	1750		<75	<73	<82	<159	<74	<90	<121	<81	<159	<178	<77	<71	<76	< 88	10900	<107	
07/11/97	<0.182		<0.453	<0.469	<0.344	<0.148	<0.269	<0.397	1200	<0.252	<0.104	<0.128	<0.362	<0.105	2300		21000	<0.127	
01/02/98	<0.182		<0.453	<0.469	<0.344	<0.148	<0.269	<0.397	<0.194	<0.252	<0.104	<0.128	<0.362	<0.105	<0.351		12000	<0.127	
06/25/98		<3000	<3000	<3000	<3000	<3000	<3000	<3000	<3000	<3000	<3000	<3000	<3000	<3000	<3000		26000	<3000	
01/27/99							3200		3700	3100							25000		
01/19/10	370 M		<8.1	<8.8	<6.2	<12	<16 M	<9.4	<6.9	<6.1	<6.8	<9.5	<11	<6.3 M		3,700 M	<3.2		
07/15/10	75		<45	<41	<41	<33	<61	<49	<36	<35	<37	<57	<31	<45		1,300	<2.0		
01/24/11	130		<11	<10	<10	<8.5	<15	<12	<9	<8.9	<9.3	<14	<16	<7.8	<11		1,900	<4.9	
07/20/11	47		<1.1	<1.0	<1.0	<0.84	<1.5	<1.2	<0.89	<0.88	<0.92	2.9	<1.6	<0.78	<1.1		640	<0.49	
10/03/11																	1,500		

Phenolics - Historical Data  
WAULECO, INC - Wausau Facility  
Well - W03A

Date	2,3,4,6-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	3&4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Chloro-3-Methylphenol	4-Nitrophenol	Dinoseb	Pentachlorophenol	Phenol	Phenol/2-Chlorophenol
01/18/12	<b>33</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>530</b>	<3.0	
1/18/2012 Duplicate	<b>27</b>		<11	<10	<10	<8.3	<15	<12	<8.8	<8.7	<9.1	<14	<16	<7.7	<11		<b>1,100</b>	<4.8	
04/03/12																	<b>390</b>		
07/10/12	<b>44</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>800</b>	<3.0	
01/07/13	<23		<23	<21	<21	<17	<32 M	<25	<18	<18	<19	<29	<34 M	<16	<23 Y		<b>320 M</b>	<10	
07/05/13	<b>29</b>		<28	<26	<26	<21	<39	<31	<22	<22	<23	<36	<41	<20	<28		<b>540</b>	<12	
01/21/14	<31		<31	<28	<28	<23	<43 M	<34	<25	<24	<26	<40	<45	<22	<31		<b>580</b>	<14	
07/09/14	<28		<28	<26	<26	<21	<38	<31	<22	<22	<23	<36	<41	<19	<28		<b>450</b>	<12	
7/9/2014 Duplicate	<28		<28	<26	<26	<21	<39	<31	<22	<22	<23	<36	<41	<20	<28		<b>390</b>	<12	
01/19/15	<26		<13	<3.1	<13	<4.6	<38	<10	<3.1	<10	<7.1	<10	<15	<6.9	<15		<b>200</b>	<3.3	
07/08/15	<26		<13	<3.1	<13	<4.6	<39	<10	<3.1	<10	<7.2	<10	<15	<7.0	<15		<b>380</b>	<3.4	
7/8/2015 Duplicate	<b>27</b>		<13	<3.1	<13	<4.6	<39	<10	<3.1	<10	<7.2	<10	<15	<7.0	<15		<b>550</b>	<3.4	
01/19/16	<b>26</b>		<13	<3.0	<13	<4.5	<38	<10	<3.0	<10	<7.1	<10	<15	<6.8	<15		<b>440</b>	<3.3	
07/07/16	<b>39</b>		<3.0	<13	<3.3	<5.1	<7.3	<10	<3.0	<3.8	<3.0	<4.3	<7.6	<3.5	<5.1		<b>780</b>	<6.1	
01/19/17	<b>17</b>		<3.0	<5.0	<3.0	<3.0	<3.0	<4.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>320</b>	<3.0	
07/17/17	<b>53</b>		<3.0	<13	<3.3	<5.1	<7.3	<10	<3.0	<3.8	<3.0	<4.3	<7.6	<3.5	<5.1		<b>680</b>	<6.1	
01/11/18	<b>20</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>340</b>	<3.0	
07/18/18	<b>34 Q</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>500</b>	<3.0	
01/24/19	<b>15</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>290</b>	<3.0	
07/11/19	<b>38</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.1	<3.0	<3.0		<b>610</b>	<3.0	
01/13/20	<b>24 Q</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>410</b>	<3.0	
07/08/20	<b>47</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>900</b>	<3.0	
01/12/21	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>140</b>	<3.0	
07/13/21	<3.0 Q		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>210</b>	<3.0	
7/13/2021 Duplicate	<b>30 Q</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>400</b>	<3.0	
01/17/22	<b>4.7</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>80</b>	<3.0	
07/11/22	<b>8.9</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>130</b>	<3.0	
01/11/23	<b>3.4</b>		<3.0	<3.0	<3.0	<3.0	<3.0 Q	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>69</b>	<3.0	
07/10/23	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>120</b>	<3.0	

Notes: Prepared By: T. Dushek, 7/31/23 Checked By: A. Voit, 10/11/23

- 1.) All units are in ug/L.
- 2.) Bold Values indicate detections
- 3.) J = Estimated Value
- 4.) M = Matrix spike and/or Matrix Spike duplicate recovery outside acceptance limits.
- 5.) Q = Laboratory Control Sample outside acceptance limits.
- 6.) Y = Replicate/Duplicate precision outside acceptance limits.
- 7.) V = Raised quantitation or reporting limit due to limited sample amount or dilution for matrix background interference.

Phenolics - Historical Data  
WAULECO, INC - Wausau Facility  
Well - W03B

Date	2,3,4,6-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	3&4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Chloro-3-Methylphenol	4-Nitrophenol	Dinoseb	Pentachlorophenol	Phenol
06/17/91		<1.02		<b>5.17</b>	<0.51	<0.51	<b>2.1</b>		<0.51		<0.51		<1.02	<0.51	<1.02		<b>394</b>	<0.51
02/22/92		<1		<1	<0.5	<0.5	<1		<b>1.9</b>		<0.5		<1	<0.5	<1		<b>25.4</b>	<0.5
09/17/92		<1		<b>1.04</b>	<0.5	<0.5	<1		<0.5		<0.5		<1	<0.5	<1		<b>215</b>	<0.5
12/18/92		<1		<1	<0.5	<0.5	<1		<b>1.61</b>		<0.5		<1	<0.5	<1		<b>103</b>	<b>1.31</b>
03/23/93		<10		<3	<1	<1	<3		<1		<1		<5	<5	<5		<b>17.8</b>	<1
06/29/93	<b>75</b>		<20	<10	<10	<10	<20	<10		<10	<10	<20	<10	<10	<20	<10	<b>1300</b>	
12/28/93	<10		<20	<10	<10	<10	<20	<10		<10	<10	<20	<10	<10	<20	<10	<b>24</b>	
06/22/94	<b>11</b>		<20	<10	<10	<10	<20	<10		<10	<10	<20	<10	<10	<20	<10	<b>180</b>	
07/06/95	<25		<10	<10	<10	<10	<50		<10	<10	<10	<20	<50	<20	<50	<25	<b>60</b>	<10
07/10/96	<10		<10	<10	<10	<10	<20	<10	<10	<10	<10	<20	<b>11</b>	<10	<20	<10	<b>110</b>	<10
07/11/97	<0.182		<0.453	<0.469	<0.344	<0.148	<0.269	<0.397	<0.194	<0.252	<0.104	<0.128	<0.362	<0.105	<0.351	<10	<b>71</b>	<0.127
06/24/98	<3		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3		<b>16</b>	<3
06/09/99	<b>3.2</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>25</b>	<3.0
07/18/00	<3		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3		<b>4.4</b>	<3
01/31/01	<3		<b>17</b>	<3	<3	<3	<b>3.0</b>	<3	<3	<3	<3	<3	<3	<3	<3		<b>18</b>	<3
07/11/01	<b>4.4</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>9.7</b>	<3.0
08/06/02	<b>5.7</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>43</b>	<3.0
07/24/03	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>7.6</b>	<3.0
07/13/04	<3.0		<3.0	<3.0	<3.0	<3.0	<4.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<4.0		<b>5.7</b>	<3.0
07/20/05	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/18/06	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>3.6</b>	<3.0
07/11/07	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>4</b>	<3.0
07/23/08	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/06/09	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/14/10	<b>31</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>250</b>	<3.0
07/18/11	<b>10</b>		<1.1	<1.0	<1.0	<0.84	<1.5	<1.2	<0.89	<0.88	<0.92	<1.4	<1.6	<0.78	<1.1		<b>120</b>	<0.49
07/06/12	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>1.9</b>	<3.0
07/01/13	<b>3.3</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>48</b>	<3.0
07/09/14	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>9.4</b>	<3.0
07/07/15	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>8.5</b>	<3.0
07/05/16	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>2</b>	<3.0
07/13/17	<b>0.74</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>19</b>	<3.0
07/11/18	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>7</b>	<3.0
07/09/19	<b>0.24</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>20</b>	<3.0
07/07/20	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>16</b>	<3.0
07/08/21	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>9</b>	<3.0
07/11/22	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>2.8</b>	<3.0
07/06/23	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>2.4</b>	<3.0

Notes: Prepared By: T. Dushak, 7/31/23 Checked By: A. Voit, 10/11/23

- 1.) All units are in ug/L.
- 2.) Bold Values indicate detections
- 3.) J = Estimated Value
- 4.) M = Matrix spike and/or Matrix Spike duplicate recovery outside acceptance limits.
- 5.) Q = Laboratory Control Sample outside acceptance limits.
- 6.) Y = Replicate/Duplicate precision outside acceptance limits.
- 7.) V = Raised quantitation or reporting limit due to limited sample amount or dilution for matrix background interference.

Phenolics - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W06R

Date	2,3,4,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	3,6,4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Chloro-3-Methylphenol	4-Nitrophenol	Pentachlorophenol	Phenol
07/24/03	<3000	<3000	<3000	<b>3,600</b>	<3000	<3000	<3000	<3000	<b>6,300</b>	<b>3,700</b>	<3000	<3000	<3000	<3000	<b>7,200</b>	<3000
07/23/08 7/23/2008 Duplicate	<b>410</b>	<81	<89	<63	<120	<160	<95	<70	<90	<62	<69	<96	<110	<64	<b>5,100</b>	<32
01/19/10 07/14/10	<b>1,800</b> <b>290</b>	<81 <110	<88 <100	<62 <100	<120 <84	<160 <150	<94 <120	<69 <89	<61 <88	<61 <92	<68 <140	<95 <160	<110 <78	<63 <110	<b>15,000</b> <b>4,500</b>	<32 <49
01/25/11 1/25/2011 Duplicate	<b>490</b> <b>490 M</b>	<110 <1.1	<100 <1.0	<100 <1.0	<82 <0.84	<150 <1.5	<120 <1.2	<87 <0.89	<86 <0.88	<90 <0.92	<140 <1.4	<160 <1.6	<76 <0.78	<110 <1.1	<b>5,300</b> <b>3,900 M</b>	<48 <0.49
01/18/12 07/09/12	<b>290</b> <b>120 M</b>	<11 <5.8	<10 <5.3	<10 <5.3	<8.5 <4.3	<15 <7.9	<12 <6.3	<9 <4.6	<8.9 <4.5	<9.3 <4.7	<14 <7.4	<16 <8.4	<7.8 <4.0	<11 <5.8	<b>2,900</b> <b>1,000 M</b>	<4.9 <3.0
01/07/13 07/08/13 7/8/2013 Duplicate	<b>750</b> <b>300</b> <b>340</b>	<110 <110 <110	<100 <100 <100	<100 <100 <100	<84 <85 <84	<150 <150 <150	<120 <120 <120	<89 <90 <89	<88 <89 <88	<92 <93 <92	<140 <140 <140	<160 <160 <160	<78 <78 <78	<110 <110 <110	<b>9,000</b> <b>3,300</b> <b>3,600</b>	<49 <49 <49
01/21/14 1/21/2014 Duplicate	<b>580</b> <b>500</b> <b>120</b>	<120 <110 <110	<110 <100 <100	<110 <100 <100	<87 <85 <85	<160 <150 <150	<130 <120 <120	<93 <90 <90	<91 <89 <89	<96 <93 <93	<150 <140 <140	<170 <160 <160	<81 <78 <78	<120 <110 <110	<b>5,700</b> <b>5,800</b> <b>1,500</b>	<51 <49 <49
01/19/15 07/09/15 7/9/2015 Duplicate	<b>320</b> <b>230</b> <b>170</b>	<51 <51 <51	<12 <12 <12	<51 <51 <51	<18 <18 <18	<150 <150 <150	<41 <41 <41	<12 <12 <12	<41 <41 <41	<29 <29 <29	<41 <41 <41	<61 <61 <61	<28 <28 <28	<61 <61 <61	<b>4,100</b> <b>3,200</b> <b>2,300</b>	<13 <13 <13
01/19/16 1/19/2016 Duplicate	<b>140</b> <b>100</b> <b>14</b>	<51 <51 <3.0	<12 <12 <3.0	<51 <51 <3.0	<18 <18 <3.0	<150 <150 <3.0	<40 <41 <3.0	<12 <12 <3.0	<40 <41 <3.0	<28 <29 <3.0	<40 <41 <3.0	<61 <61 <3.0	<27 <28 <3.0	<61 <61 <3.0	<b>1,700</b> <b>1,300</b> <b>210</b>	<13 <13 <3.0
01/16/17 07/18/17	<b>370</b> <b>12</b>	<24 <3.0	<100 <3.0	<26 <3.0	<40 <3.0	<58 <3.0	<80 <3.0	<24 <3.0	<30 <3.0	<24 <3.0	<34 <3.0	<60 <3.0	<28 <3.0	<40 <3.0	<b>5,500</b> <b>170</b>	<48 <3.0
01/11/18 07/12/18	<b>170</b> <b>8</b>	<3.0 <3.0	<3.0 <3.0	<3.0 <3.0	<3.0 <3.0	<3.0 <3.0	<3.0 <3.0	<3.0 <3.0	<3.0 <3.0	<3.0 <3.0	<3.0 <3.0	<3.0 <3.0	<3.0 <3.0	<3.0 <3.0	<b>2,500</b> <b>97</b>	<3.0 <3.0
01/24/19 07/11/19	<b>93</b> <b>150</b>	<12 <11	<11 <10	<13 <13	<10 <9.6	<15 <14	<11 <10	<12 <12	<10 <9.6	<11 <10	<12 <11	<15 <14	<11 <11	<12 <12	<b>1,600</b> <b>2,400</b>	<13 <13
01/13/20 07/08/20	<b>210 Q</b> <3.0	<3.0 <3.0	<3.0 <3.0	<3.0 <3.0	<3.0 <3.0	<3.0 <3.0	<3.0 <3.0	<3.0 <3.0	<3.0 <3.0	<3.0 <3.0	<3.0 <3.0	<3.0 <3.0	<3.0 <3.0	<3.0 <3.0	<b>3,200</b> <b>330</b>	<3 <3
01/07/21 07/13/21	<b>230</b> <b>95 Q</b>	<3.0 <3.0	<3.0 <3.0	<3.0 <3.0	<3.0 <3.0	<3.0 <3.0	<3.0 <3.0	<3.0 <3.0	<3.0 <3.0	<3.0 <3.0	<3.0 <3.0	<3.0 <3.0	<3.0 <3.0	<3.0 <3.0	<b>4,600</b> <b>1,200</b>	<3 <3
01/13/22 07/12/22	<b>120</b> <b>16</b>	<3.0 <3.0	<3.0 <3.0	<3.0 <3.0	<3.0 <3.0	<3.0 <3.0	<3.0 <3.0	<3.0 <3.0	<3.0 <3.0	<3.0 <3.0	<3.0 <3.0	<3.0 <3.0	<3.0 <3.0	<3.0 <3.0	<b>2,100</b> <b>250</b>	<3 <3
01/17/23 07/11/23 7/11/2023 Duplicate	<b>110</b> <b>33</b> <b>40</b>	<3.0 <3.0 <3.0	<3.0 <3.0 <3.0	<3.0 <3.0 <3.0	<3.0 <3.0 <3.0	<3.0 <3.0 <3.0	<3.0 <3.0 <3.0	<3.0 <3.0 <3.0	<3.0 <3.0 <3.0	<3.0 <3.0 <3.0	<3.0 <3.0 <3.0	<3.0 <3.0 <3.0	<3.0 <3.0 <3.0	<3.0 <3.0 <3.0	<b>2,600</b> <b>610</b> <b>660</b>	<3 <3 <3

Notes: Prepared By: T. Dushek, 7/31/23 Checked By: A. Voit, 10/11/23

- 1.) All units are in ug/L.
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- 4.) M = Matrix spike and/or Matrix Spike duplicate recovery outside acceptance limits.
- 5.) Q = Laboratory Control Sample outside acceptance limits.
- 6.) Y = Replicate/Duplicate precision outside acceptance limits.
- 7.) V = Raised quantitation or reporting limit due to limited sample amount or dilution for matrix background interference.

Phenolics - Historical Data  
WAULECO, INC - Wausau Facility  
Well - W08

Date	2,3,4,6-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	3&4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Chloro-3-Methylphenol	4-Nitrophenol	Dimoseb	Pentachlorophenol	Phenol
01/08/87																	<1	
06/04/87																	<b>14.8</b>	
09/03/87																	<1	
12/03/87																	<1	
03/03/88																	<1	
04/07/88																	<1	
08/10/88																	<b>220</b>	
11/15/88																	<b>153</b>	
01/26/89																	<b>3.63</b>	
04/27/89																	<b>1.18</b>	
07/27/89																	<1	
10/26/89																	<1	
01/25/90																	<b>11.5</b>	
05/03/90																	<b>4.04</b>	
09/20/90																	<b>3.3</b>	
12/11/90																	<1	
01/29/91																	<b>3.21</b>	
05/01/91																	<b>36.7</b>	
06/17/91																	<b>1.12</b>	
10/08/91																	<b>4.7</b>	
02/20/92		<1		<b>1.02</b>	<0.5	<0.5	<1		<0.5		<0.5		<1	<0.5	<1		<b>11</b>	<b>3.5</b>
06/14/92		<1.05		<b>6.69</b>	<0.526	3.77	<1.05		<0.526		<0.526		<1.05	<0.526	<1.05		<b>55.3</b>	<0.526
09/17/92		<1		<1	<0.5	<0.5	<1		<0.5		<0.5		<1	<0.5	<1		<b>23</b>	<0.5
12/19/92		<1		<1	<0.5	<0.5	<1		<0.5		<0.5		<1	<0.5	<1		<b>4.85</b>	<0.5
03/23/93		<20		<6	<2	<2	<6		<2		<2		<10	<10	<10		<10	<2
06/28/93	<b>19</b>		<20	<10	<10	<10	<20	<10		<10	<10	<20	<10	<10	<10	<10	<b>130</b>	
12/27/93	<10		<20	<10	<10	<10	<20	<10		<10	<10	<20	<10	<10	<10	<10	<b>12</b>	
04/25/94	<1		<1	<1	<1	<10	<1	<1		<10	<1	<20	<1	<10	<1	<1	<1	
06/21/94	10		<20	<10	<10	<10	<20	<10		<10	<10	<20	<10	<10	<20	<10	<b>480</b>	
10/04/94	<50		<100	<50	<50	<50	<100	<50		<50	<50	<100	<50	<50	<100	<50	<b>470</b>	
01/05/95	<10		<20	<10	<10	<10	<20	<10		<10	<10	<20	<10	<10	<20	<10	<b>98</b>	
03/09/95	<10		<20	<10	<10	<10	<20	<10		<10	<10	<20	<10	<10	<20	<10	<10	
07/06/95	<25		<10	<10	<10	<10	<50	<10	<10	<10	<10	<20	<50	<20	<50	<25	<50	<10
09/13/95	<10		<10	<10	<10	<10	<20	<10	<10	<10	<10	<20	<10	<10	<20	<10	<1	<10
12/18/95	<10		<10	<10	<10	<10	<20	<10	<10	<10	<10	<20	<10	<10	<20	<10	<1	<10
03/20/96	<10		<10	<10	<10	<10	<20	<10	<10	<10	<10	<20	<10	<10	<20	<10	<b>6.4</b>	<10
07/08/96	<10		<10	<10	<10	<10	<20	<10	<10	<10	<10	<20	<10	<10	<20	<10	<b>1.4</b>	<10
09/25/96	<1.5		<1.5	<1.4	<1.6	<3.1	<1.4	<1.7	<2.3	<1.6	<3.1	<3.5	<1.5	<1.4	<1.5	<1.7	<1.4	<2.1
01/21/97	<1.4		<1.3	<1.2	<1.4	<2.7	<1.3	<1.5	<2.1	<1.4	<2.7	<3	<1.3	<1.2	<1.3	<1.5	<1.2	<1.8
07/11/97	<0.182		<0.453	<0.469	<0.344	<0.148	<0.269	<0.397	<0.194	<0.252	<0.104	<0.128	<0.362	<0.105	<b>5.6</b>		<0.209	<0.127
01/02/98	<0.182		<0.453	<0.469	<0.344	<0.148	<b>8.4</b>	<0.397	<0.194	<0.252	<0.104	<0.128	<0.362	<0.105	<b>4.3</b>		<0.209	<0.127
06/23/98	<3		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3		<3	<3
01/26/99			<b>11</b>	<b>7.7</b>	<b>3.6</b>		<b>3</b>											
06/07/99	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
01/11/00	<3		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3		<3	<3
07/17/00	<3		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	3.5		<3	<3
01/30/01	<3.0		<b>12</b>	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/10/01	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
01/15/02	<b>5.4</b>		<b>11</b>	<b>6.5</b>	<b>25</b>	<b>15</b>	<b>11</b>	<b>14</b>	<b>53</b>	<b>49</b>	<b>62</b>	<b>38</b>	<b>10</b>	<3.0	<b>31</b>		<b>14</b>	<b>57</b>
08/05/02	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0

Phenolics - Historical Data  
WAULECO, INC - Wausau Facility  
Well - W08

Date	2,3,4,6-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	3&4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Chloro-3-Methylphenol	4-Nitrophenol	Dimoseb	Pentachlorophenol	Phenol
01/14/03	<3.0		<b>5</b>	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<b>6.7</b>	<3.0
07/22/03	<3.0			<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<3.0	<3.0
01/20/04	<3.0		<3.0 J	<3.0	<3.0 J	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<3.0	<3.0 J
07/12/04	<3.0		<3.0	<3.0	<3.0	<3.0	<4.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<4.0			<b>6.4</b>	<3.0
01/19/05	<3.0		<3.0	<3.0	<3.0	<3.0 M	<3.0 MY	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0 M			<3.0	<3.0 M
07/19/05	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<3.0	<3.0
01/17/06	<b>8.1</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<b>5.6</b>	<3.0
07/18/06	<b>45</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<b>18</b>	<3.0
01/23/07	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<3.0	<3.0
07/09/07	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<3.0	<3.0
01/28/08	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<3.0	<3.0
07/22/08	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<3.0	<3.0
01/20/09	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0 Q	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<3.0	<3.0
07/06/09	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<3.0	<3.0
01/18/10	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<3.0	<3.0
07/13/10	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<3.0	<3.0
01/25/11	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<3.0	<3.0
07/18/11	<1.1		<1.1	<1.0	<1.0	<0.82	<1.5 Q	<1.2	<0.87	<0.86	<0.90	<1.4	<1.6 Q	<0.76	<1.1		<1.1 Q	<0.48
01/17/12	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<3.0	<3.0
07/06/12	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<3.0	<3.0
01/04/13	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<3.0	<3.0
07/01/13	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<3.0	<3.0
01/22/14	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<3.0	<3.0
07/07/14	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<3.0	<3.0
01/15/15	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<b>1.8</b>	<3.0
07/06/15	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<3.0	<3.0
01/13/16	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<3.0	<3.0
07/05/16	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<3.0	<3.0
01/16/17	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<3.0	<3.0
07/10/17	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<3.0	<3.0
01/10/18	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<3.0	<3.0
07/10/18	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<3.0	<3.0
01/22/19	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<3.0	<3.0
07/08/19	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<3.0	<3.0
01/09/20	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<3.0	<3.0
07/06/20	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<3.0	<3.0
01/07/21	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<3.0	<3.0
07/06/21	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<3.0	<3.0
01/12/22	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<3.0	<3.0
07/05/22	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<3.0	<3.0
01/09/23	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0 Q	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<3.0	<3.0
07/05/23	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			<3.0	<3.0

Notes:

Prepared By: T. Dushek, 7/31/23

Checked By: A. Voit, 10/11/23

- 1.) All units are in ug/L.
- 2.) Bold Values indicate detections
- 3.) J = Estimated Value
- 4.) M = Matrix spike and/or Matrix Spike duplicate recovery outside acceptance limits.
- 5.) Q = Laboratory Control Sample outside acceptance limits.
- 6.) Y = Replicate/Duplicate precision outside acceptance limits.
- 7.) V = Raised quantitation or reporting limit due to limited sample amount or dilution for matrix background interference.



Phenolics - Historical Data  
WAULECO, INC - Wausau Facility  
Well - W09

Date	2,3,4,6-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	3&4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Chloro-3-Methylphenol	4-Nitrophenol	Dinoseb	Pentachlorophenol	Phenol
06/04/87																	2.2	
09/03/87																	<1	
12/03/87																	<1	
03/02/88																	<1	
04/07/88																	<1	
08/10/88																	1.05	
11/15/88																	<1	
01/26/89																	<1	
04/27/89																	<1	
07/27/89																	<1	
10/26/89																	<1	
01/25/90																	6.51	
05/03/90																	<1	
09/20/90																	2.37	
12/11/90																	1.53	
01/29/91																	8.59	
05/01/91																	2.07	
06/18/91																	<1	
10/08/91																	5.23	
06/18/92		11		3.79	<0.515	1.29	<1.03		<0.515		<0.515		<1.03	<0.515	<1.03		21.9	2.28
12/17/92		<1		<1	<0.5	<0.5	<1		<0.5		<0.5		<1	<0.5	1.77		26.7	<0.5
06/28/93	<1		<1	<1	<1	<10	<1	<1		<10	<1	<20	<1	<10	<1	<1	<1	
12/28/93	<100		<200	<100	<100	<100	<200	<100		<100	<100	<200	<100	<100	<200	360	640	
06/22/94	<100		<200	<100	<100	<100	<200	<100		<100	<100	<200	<100	<100	<200	<100	120	
07/05/95	<26		<10	<10	<10	<10	<51		<10	<10.2	<10	<20.4	<51	<20	<51	<26	<51	<10
07/09/96	<100		<100	<100	<100	<100	<200	<100	<100	<100	<100	<200	<100	<100	<200	<100	57	<100

Phenolics - Historical Data  
WAULECO, INC - Wausau Facility  
Well - W09

Date	2,3,4,6-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	3&4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Chloro-3-Methylphenol	4-Nitrophenol	Dinoseb	Pentachlorophenol	Phenol
07/11/97	<0.182		<0.453	<0.469	<0.344	<0.148	<0.269	<0.397	<0.194	<0.252	<0.104	<0.128	<0.362	<0.105	<0.351		<b>250</b>	<0.127
06/24/98	<3		<b>7.7</b>	<b>5.6</b>	<3	<3	<b>8.5</b>	<3	<3	<3	<3	<3	<b>7.3</b>	<b>3.4</b>	<b>5.2</b>		<b>4.4</b>	<3
06/07/99	<b>4.00</b>		<3.0	<3.0	<3.0	<3.0	<b>20.0</b>	<3.0	<3.0	<3.0	<b>3.90</b>	<3.0	<3.0	<3.0	<3.0		<b>7.00</b>	<3.0
07/18/00	<15		<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<b>62</b>	<15	<b>59</b>		<b>33</b>	<15
01/30/01	<30		<30	<30	<30	<30	<b>67</b>	<30	<30	<30	<30	<30	<30	<30	<b>140</b>		<30	<30
07/10/01	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
08/06/02	<b>10</b>		<b>9.7</b>	<b>7.5</b>	<b>3.1</b>	<3.0	<3.0	<3.0	<3.0	<b>3.4</b>	<b>4.2</b>	<b>3.0</b>	<3.0	<3.0	<b>7.4</b>		<b>6.1</b>	<3.0
07/23/03	<b>150</b>		<60	<60	<60	<60	<60	<60	<60	<60	<60	<60	<60	<60	<60		<b>140</b>	<60
07/12/04	<30		<30	<30	<30	<30	<b>95</b>	<30	<30	<30	<30	<30	<b>49</b>	<30	<40		<b>63</b>	<30
07/18/05	58 V		<30 V	<30 V	<30 V	<30 V	<30 V	<30 V	<30 V	<30 V	<30 V	<30 V	<30 V	<30 V	<30 V		<b>49 V</b>	<30 V
07/18/06	<3.0		<3.0	<3.0	<3.0	<3.0	<b>10</b>	<b>3.4</b>	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<b>18</b>		<b>14</b>	<3.0
07/10/07	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/23/08	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/07/09	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/13/10	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/18/11	<1.2		<1.2	<1.1	<1.1	<0.86	<1.6 Q	<1.3	<0.92	<0.91	<0.95	<1.5	<1.7 Q	<0.80	<1.2		<1.2 Q	<0.51
07/19/12	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>5.5</b>	<3.0
07/02/13	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0 Y		<3.0	<3.0
07/10/14	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/07/15	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/06/16	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>0.26</b>	<3.0
07/11/17	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/18/18	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>2.5</b>	<3.0
07/09/19	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>1.8</b>	<3.0
07/07/20	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/12/21	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/06/22	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/06/23	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0

Notes:

Prepared By: T. Dushek, 7/31/23

Checked By: A. Voit, 10/11/23

- 1.) All units are in ug/L.
- 2.) Bold Values indicate detections
- 3.) J = Estimated Value
- 4.) M = Matrix spike and/or Matrix Spike duplicate recovery outside acceptance limits.
- 5.) Q = Laboratory Control Sample outside acceptance limits.
- 6.) Y = Replicate/Duplicate precision outside acceptance limits.
- 7.) V = Raised quantitation or reporting limit due to limited sample amount or dilution for matrix background interference.

Phenolics - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W10A

Date	2,3,4,6-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	3&4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Chloro-3-Methylphenol	4-Nitrophenol	Dinoseb	Pentachlorophenol	Phenol
01/08/87																	10,800	
06/04/87																	3,200	
09/03/87																	7,510	
12/03/87																	4,830	
03/03/88																	13,500	
04/07/88																	12,100	
08/10/88																	11,900	
11/15/88																	8,600	
01/26/89																	11,500	
04/27/89																	8,580	
07/27/89																	15,200	
10/26/89																	10,100	
01/25/90																	12,700	
05/03/90																	8,450	
09/20/90																	8,520	
12/11/90																	9,320	
01/29/91																	12,300	
05/01/91																	29,800	
06/19/91																	9,550	
10/08/91																	16,500	
07/08/92																	7,400	0.714
12/18/92																	11,800	60.4
06/30/93	650		220	<100	<100	<100	450	<100		<100	<100	<200	<100	<100	<200	<100	11,000	
12/28/93	1,000		<200	<100	120	<100	<200	<100		<100	<100	<200	<100	<100	<200	<100	14,000	
06/22/94	1,600		540	450	<100	<100	470	<100		<100	<100	<200	<100	<100	240	<100	17,000	
07/06/95	960		<250	<250	<250	<250	<1300		<250	<250	<250	<500	<1300	<500	<1300	<630	6,600	<250
07/09/96	<5000		<5000	<5000	<5000	<5000	<10000	<5000	<5000	<5000	<5000	<10000	<5000	<5000	<10000	<5000	970	<5000
07/11/97	1,700		<0.453	<0.469	<0.344	<0.148	<0.269	<0.397	<0.194	<0.252	<0.104	<0.128	<0.362	<0.105	<0.351		24,000	800
06/24/98	<150		<150	<150	<150	<150	<150	<150	<150	<150	<150	<150	<150	<150	<150		600	<150
06/08/99	<750		<750	<750	<750	<750	<750	<750	<750	<750	<750	<750	<750	<750	<750		3,450	<750
07/17/00	<300		<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	340		9,900	770
01/30/01	<1500		<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500		16,000	<1500
07/10/01	<1500		<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500		4,500	<1500
08/06/02	<600		<600	<600	<600	<600	<600	<600	1,100	<600	<600	<600	<600	<600	<600		5,500	<600
07/23/03	750		<300	<300	<300	<300	<300	<300	1,300	<300	<300	<300	<300	<300	<300		7,300	<300
07/14/04	<300J		<300J	550	<300	<300	570	<300	600	<300	<300	<300	<300	<300	<400		5,100	390
07/20/05	410 V		<300 V	<300 V	<300 V	<300 V	<300 V	<300 V	<300 V	<300 V	<300 V	<300 V	<300 V	<300 V	<300 V		5200 V	<300 V
07/19/06	370		<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300		5,800	<300
07/10/07	670		<150	<180	<120	<91	<180	<230	<130	<55	<110	<99	<130	<57	<110		6,700	<46
07/23/08	700		<180	<190	<140	<270	<360	<210	<150	<200	<130	<150	<210	<250	<140		8,800	<70
7/23/2008 Duplicate	740		<180	<200	<140	<280	<370	<210	<160	<200	<140	<150	<210	<250	<140		9,300	<71
07/06/09	370		<160	<170	<120	<240	<320	<190	<140	<180	<120	<140	<190	<220	<130		5,500	<63
7/6/2009 Duplicate	410		<160	<180	<120	<240	<330	<190	<140	<180	<120	<140	<190	<220	<130		6,000	<63
07/15/10	450		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		6,200	<3.0

Phenolics - Historical Data  
WAULECO, INC - Wausau Facility  
Well - W10A

Date	2,3,4,6-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	3&4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Chloro-3-Methylphenol	4-Nitrophenol	Dinoseb	Pentachlorophenol	Phenol
04/06/11																	6,300	
4/6/2011 Duplicate																	5,300	
07/25/11	280		<1.1	<1.0	<1.0	<0.85	<1.5	<1.2	<0.90	<0.89	<0.93	<1.4	<1.6	<0.78	<1.1		4,200	<0.49
7/25/2011 Duplicate																	2,300	<0.49
10/03/11	160		<1.1	<1.0	<1.0	<0.84	<1.5	<1.2	<0.89	<0.88	<0.92	<1.4	<1.6	<0.78	<1.1		3,900	
10/3/2011 Duplicate																	3,100	
01/23/12	280 M		<11	<10	<10	<8.5	<15 M	<12	<9.0	<8.9	<9.3	<14	<16 M	<7.8 Y	<11 M		4,500 M	<4.9
04/03/12																	4,200	
4/3/2012 Duplicate																	3,900	
07/09/12	260 V		<11 V	<10 V	<10 V	<8.4 V	<15 V	<12 V	<8.9 V	<8.8 V	<9.2 V	<14 V	<16 V	<7.8 V	<11 V		3,400 V	<4.9 V
7/9/2012 Duplicate																	3,300 V	<4.8 V
07/05/13	210		<110	<100	<100	<85	<150	<120	<90	<89	<93	<140	<160	<78	<110		3,400	<49
7/5/2013 Duplicate																	3,700	<49
07/10/14	170		<110	<100	<100	<85	<150	<120	<90	<89	<93	<140	<160	<78	<110		3,700	<49
07/09/15	120		<52	<12	<52	<19	<150	<41	<12	<41	<29	<41	<62	<28	<62		2,500	<13
7/9/2015 Duplicate																	2,300	<13
07/12/16	58		<6.3	<26	<6.8	<11	<15	<21	<6.3	<7.9	<6.3	<8.9	<16	<7.4	<11		1,400	<13
7/12/2016 Duplicate																	1,500	<12
07/18/17	57		<12	<52	<13	<21	<30	<41	<12	<15	<12	<18	<31	<14	<21		1,200	<25
7/18/2017 Duplicate																	1,100	<25
07/18/18	56 Q		<11	<10	<12	<9.5	<14	<10	<11	<9.5	<10	<11	<14	<10	<11		1,200	<12
7/18/2018 Duplicate																	1,100	<12
07/15/19	26		<12	<11	<13	<10	<15	<11	<12	<10	<11	<12	<15	<11	<12		610	<13
7/15/2019 Duplicate																	740	<13
07/13/20	40		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		320	<3.0
7/13/2020 Duplicate																	310	<3.0
07/13/21	<3.0 Q		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		80	<3.0
7/13/2021 Duplicate																	90	<3.0
01/17/22																	130	
1/17/2022 Duplicate																	140	
07/11/22	7.3		8.9	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		120	<3.0
7/11/2022 Duplicate																	130	<3.0
01/10/23																	65	
1/10/2023 Duplicate																	60	
07/10/23	4.9		5.9	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		84	<3.0
7/10/2023 Duplicate																	120	<3.0

Notes: Prepared By: T. Dushak, 7/31/23 Checked By: A. Voit, 10/11/23

- 1.) All units are in ug/L.
- 2.) Bold Values indicate detections
- 3.) J = Estimated Value
- 4.) M = Matrix spike and/or Matrix Spike duplicate recovery outside acceptance limits.
- 5.) Q = Laboratory Control Sample outside acceptance limits.
- 6.) Y = Replicate/Duplicate precision outside acceptance limits.
- 7.) V = Raised quantitation or reporting limit due to limited sample amount or dilution for matrix background interference.

Phenolics - Historical Data  
WAULECO, INC - Wausau Facility  
Well - W10B

Date	2,3,4,6-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	3,8,4-Methylphenol	4-Chloro-3-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Nitrophenol	Dinoseb	Pentachlorophenol	Phenol
07/08/92		<1.07		<1.07	1.31	<0.535	<1.07		<0.535		<0.535		<0.535	<1.07	<1.07		<b>39.2</b>	<0.535
12/18/92		<1		<1	<0.5	<0.5	<1		<0.5		<0.5		<0.5	<1	<1		<b>30.3</b>	<0.5
06/29/93	<b>1.8</b>		<1	<1	<1	<10	<1	<1		<10	<1	<20	<10	<1	<1	<1	<b>8.4</b>	
12/28/93	<10		<20	<10	<10	<10	<20	<10		<10	<10	<20	<10	<10	<20	<20	<b>23</b>	
06/22/94	<b>66</b>		<b>27</b>	<b>16</b>	<10	<10	<20	<10		<10	<10	<20	<b>17</b>	<10	<20	<10	<b>33</b>	
07/06/95	<25		<10	<10	<10	<10	<50		<10	<10	<10	<20	<20	<50	<50	<25	<50	<10
07/09/96	<10		<10	<10	<10	<10	<20	<10	<10	<10	<10	<20	<10	<10	<20	<10	<b>7.7</b>	<10
07/11/97	<b>8.5</b>		<0.453	<0.469	<0.344	<0.148	<0.269	<0.397	<0.194	<0.252	<0.104	<0.128	<0.105	<0.362	<0.351		<b>76</b>	<0.127
06/24/98	<3		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3		<b>11</b>	<3
06/08/99	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>3.4</b>	<3.0
07/17/00	<30		<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30		<30	<30
01/30/01	<3.0		<b>15</b>	<3.0	<3.0	<3.0	<b>4.3</b>	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>9.8</b>	<3.0
07/10/01	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>3.3</b>	<3.0
08/06/02	<b>4.9</b>		<3.0	<b>3.0</b>	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>7.9</b>	<3.0
07/23/03	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/13/04	<3.0		<3.0	<3.0	<b>4.6</b>	<3.0	<4.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<4.0		<b>25</b>	<3.0
07/20/05	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>8.8</b>	<3.0
7/20/2005 Duplicate	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>10</b>	<3.0
07/19/06	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>7.4</b>	<3.0
07/10/07	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>5.6</b>	<3.0
07/23/08	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>40</b>	<3.0
07/06/09	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>12</b>	<3.0
07/15/10	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>49</b>	<3.0
07/20/11	<b>9.4</b>		<1.1	<1.0	<1.0	<0.84	<1.5	<1.2	<0.89	<0.88	<0.92	<1.4	<1.6	<0.78	<1.1		<b>120</b>	<0.49
01/23/12	<5.9		<5.9	<5.3	<5.3	<4.4	<8	<6.4	<4.6	<4.6	<4.8	<7.4	<8.5	<4.0	<5.9		<b>86</b>	<3.0
04/09/12																	<b>42</b>	
07/06/12	<b>5.5</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>87</b>	<3.0
07/05/13	<5.6		<5.6	<5.1	<5.1	<4.1	<7.6	<6.1	<4.4	<4.3	<4.5	<7.1	<8.1	<3.8	<5.6		<b>72</b>	<3.0
07/08/14	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>16</b>	<3.0
07/07/15	<b>1.1</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>22</b>	<3.0
07/07/16	<b>0.61</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>14</b>	<3.0
07/17/17	<b>0.54</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>7.5 B</b>	<3.0
07/11/18	<b>2.2</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>40</b>	<3.0
07/15/19	<b>1.5</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>27</b>	<3.0
07/13/20	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>5.2</b>	<3.0
07/07/21	<b>2.9</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>13</b>	<3.0
07/06/22	<b>3.5</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>14</b>	<3.0
07/06/23	<b>0.78</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>5.9</b>	<3.0

Notes:

Prepared By: T. Dushek, 7/31/23

Checked By: A. Voit, 10/11/23

- 1.) All units are in ug/L.
- 2.) Bold Values indicate detections
- 3.) B = Analyte detected in the associated Method Blank
- 4.) J = Estimated Value
- 5.) M = Matrix spike and/or Matrix Spike duplicate recovery outside acceptance limits.
- 6.) Q = Laboratory Control Sample outside acceptance limits.
- 7.) Y = Replicate/Duplicate precision outside acceptance limits.
- 8.) V = Raised quantitation or reporting limit due to limited sample amount or dilution for matrix background interference.

Phenolics - Historical Data  
WAULECO, INC - Wausau Facility  
Well - W11

Date	2,3,4,6-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	3&4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Chloro-3-Methylphenol	4-Nitrophenol	Pentachlorophenol	Phenol	Dimoseb
01/08/87																2050		
06/04/87																2410		
09/03/87																49.3		
12/03/87																163		
03/03/88																824		
04/07/88																<1		
08/10/88																1000		
11/15/88																329		
01/26/89																321		
04/27/89																384		
07/27/89																142		
10/26/89																1.66		
01/25/90																300		
05/03/90																736		
09/21/90																2940		
12/12/90																2690		
01/30/91																3080		
05/01/91																2410		
06/19/91																1420		
10/08/91																891		
06/18/92		<1.02		<1.02	<0.51	<0.51	<1.02		<0.51		<0.51		<1.02	<0.51	<1.02	44.4	7.16	
12/17/92		<1		<1	<0.5	<0.5	<1		<0.5		<0.5		<1	<0.5	<1	209	<0.5	
06/30/93	<1		<1	<1	<1	<10	<1	<1		<10	<1	<20	<1	<10	<1	82		<1
12/28/93	<10		<20	<10	<10	<10	<20	<10		<10	<10	<20	<10	<10	<20	70		<10
06/21/94	17		<20	<10	<10	<10	<20	<10		<10	<10	<20	<10	<10	<20	140		<10
07/05/95	<25		<10	<10	<10	<10	<50		<10	<10	<10	<20	<50	<20	<50	<50	<10	<25
07/09/96	<10		<10	<10	<10	<10	<20	<10	<10	<10	<10	<20	<10	<10	<20	25	<10	<10
07/11/97	<0.182		<0.453	<0.469	<0.344	<0.148	<0.269	<0.397	<0.194	<0.252	<0.104	<0.128	<0.362	<0.105	<0.351	8.3	<0.127	
06/24/98	<15		<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	88	<15	
06/08/99	<75		<75	<75	<75	<75	180	<75	<75	<75	<75	<75	<75	<75	<75	180	<75	
07/18/00	3.6		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	170	<3	
01/30/01	<60		<60	<60	<60	<60	<60	<60	<60	<60	<60	<60	<60	<60	<60	600	<60	
07/11/01	3.7		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	84	<3.0	

Phenolics - Historical Data  
WAULECO, INC - Wausau Facility  
Well - W11

Date	2,3,4,6-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	3&4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Chloro-3-Methylphenol	4-Nitrophenol	Pentachlorophenol	Phenol	Dimoseb
08/06/02	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	
07/22/03	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<b>43</b>	<3.0	
07/13/04	<3.0		<3.0	<3.0	<3.0	<3.0	<4.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<4.0	<b>64</b>	<3.0J	
07/19/05	<b>4.8</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<b>180</b>	<3.0	
07/19/06	<15		<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<b>270</b>	<15	
07/10/07	<b>57</b>		<8.5	<10	<6.7	<5.1	<10	<13	<7.1	<3.1	<6.2	<5.5	<7.5	<3.2	<6.1	<b>540</b>	<3	
07/23/08	<b>13</b>		<3.4	<3.7	<3.0	<5.2	<6.9	<4.0	<3.0	<3.7	<3.0	<3.0	<4.0	<4.7	<3.0	<b>140</b>	<3.0	
07/07/09	<b>47</b>		<16	<17	<12	<24	<32	<19	<14	<18	<12	<14	<19	<22	<13	<b>660</b>	<6.3	
07/14/10	<b>46</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<b>440</b>	<3.0	
07/19/11	<b>12</b>		<1.1	<1.0	<1.0	<0.82	<1.5	<1.2	<0.87	<0.86	<0.90	<1.4	<1.6	<0.76	<1.1	<b>97</b>	<0.48	
07/09/12	<b>34</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<b>360</b>	<3.0	
07/01/13 7/1/2013	<b>78</b>		<5.6	<5.1	<5.1	<4.2	<7.7	<6.1	<4.4	<4.4	<4.6	<7.1	<8.2	<3.9	<5.6	<b>960</b>	<3.0	
Duplicate	<b>67</b>		<5.6	<5.1	<5.1	<4.2	<7.7	<6.1	<4.4	<4.4	<4.6	<7.1	<8.2	<3.9	<5.6	<b>950</b>	<3.0	
07/08/14	<b>37</b>		<5.5	<5.0	<5.0	<4.1	<7.5	<6.0	<4.4	<4.3	<4.5	<7.0	<8.0	<3.8	<5.5	<b>660</b>	<b>3.2</b>	
07/06/15	<b>18</b>		<5.2	<3.0	<5.2	<3.0	<15	<4.1	<3.0	<4.1	<3.0	<4.1	<6.2	<3.0	<6.2	<b>400</b>	<3.0	
07/05/16	<b>6.5</b>		<3.0	<5.2	<3.0	<3.0	<3.0	<4.2	<3.0	<3.0	<3.0	<3.0	<3.1	<3.0	<3.0	<b>180</b>	<3.0	
07/17/17	<b>2.3</b>		<3.0	<5.1	<3.0	<3.0	<3.0	<4.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<b>52</b>	<3.0	
07/11/18	<b>4.7</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<b>120</b>	<3.0	
07/09/19	<b>9.0</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<b>170</b>	<3.0	
07/07/20	<b>5.1</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<b>90</b>	<3.0	
10/05/20																<b>84</b>		
01/11/21																<b>170</b>		
04/12/21																<b>270</b>		
07/13/21	<3.0 Q		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<b>130</b>	<3.0	
10/18/21																<b>300</b>		
01/12/22																<b>410</b>		
04/12/22																<b>690</b>		
07/06/22	<b>19</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<b>310</b>	<3.0	
07/10/23	<b>7.5</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<b>120</b>	<3.0	

Notes: Prepared By: T. Dushek, 7/31/23 Checked By: A. Voit, 10/11/23

- 1.) All units are in ug/L.
- 2.) Bold Values indicate detections
- 3.) J = Estimated Value
- 4.) M = Matrix spike and/or Matrix Spike duplicate recovery outside acceptance limits.
- 5.) Q = Laboratory Control Sample outside acceptance limits.
- 6.) Y = Replicate/Duplicate precision outside acceptance limits.
- 7.) V = Raised quantitation or reporting limit due to limited sample amount or dilution for matrix background interference.

Phenolics - Historical Data  
WAULECO, INC - Wausau Facility  
Well - W12

Date	2,3,4,6-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	3&4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Chloro-3-Methylphenol	4-Nitrophenol	Dinoseb	Pentachlorophenol	Phenol
06/18/92		<1.03		<1.03	<0.515	<0.515	<1.03		<0.515		<0.515		<1.03	<0.515			2.83	11.4
12/17/92		△		<1	<0.5	<0.5	<1		<0.5		<0.5		<1	<0.5			3.67	<0.5
06/29/93	<1		<1	<1	<1	<1	<1	<1		<10	<1	<20	<1	<10	<1	<1	<1	<1
12/28/93	<1.1		<1.1	<1.1	<1.1	<1.1	<1.1	<1.1		<11	<1.1	<22	<1.1	<11	<1.1	<1.1	<1.1	<1.1
06/21/94	<10		<20	<10	<10	<10	<20	<10		<10	14	<20	<10	<10	<20	<10	73	
07/06/95	47		<10	<10	<10	<10	<50		<10	<10	<10	<20	<50	<20	<50	<25	210	<10
07/08/96	<10		<10	<10	<10	<10	<20	<10	<10	<10	<10	<20	<10	<10	<20	<10	1.5	<10
07/11/97	<0.182		<0.453	<0.469	<0.344	<0.148	<0.269	<0.397	<0.194	<0.252	<0.104	<0.128	<0.362	<0.105	<0.351		3.5	<0.127
06/23/98	<30		<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30		220	<30
06/08/99	<150		<150	<150	<150	<150	<150	<150	<150	<150	<150	<150	<150	<150	<150		290	<150
07/17/00	21.5		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	3.15		510	<3
01/30/01	<60		<60	<60	<60	<60	<60	<60	<60	<60	<60	<60	<60	<60	<60		950	<60
07/10/01	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
08/05/02	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/22/03	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/13/04	<3.0		<3.0	<3.0	<3.0	<3.0	<4.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<4.0		<3.0	<3.0
07/19/05	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/19/06	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/09/07	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/23/08	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/06/09	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/14/10	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/18/11	<1.2		<1.2	<1.1	<1.1	<0.88	<1.6 Q	<1.3	<0.94	<0.92	<0.97	<1.5	<1.7 Q	<0.82	<1.2		<1.2 Q	<0.52
01/23/12	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		2.9	<3.0
04/09/12																	450	
4/9/2012 Duplicate																	470	
07/09/12	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		420	<3.0
07/01/13	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/07/14	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/06/15	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/05/16	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/11/17	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/10/18	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/08/19	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/06/20	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
10/05/20																	<3.0	
01/11/21																	<3.0	
04/12/21																	<3.0	
07/06/21	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
10/18/21																	<3.0	
01/12/22																	<3.0	
04/12/22																	<3.0	
07/06/22	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/06/23	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0

- Notes: Prepared By: T. Dushak, 7/31/23 Checked By: A. Voit, 10/11/23
- 1.) All units are in ug/L.
  - 2.) Bold Values indicate detections
  - 3.) J = Estimated Value
  - 4.) M = Matrix spike and/or Matrix Spike duplicate recovery outside acceptance limits.
  - 5.) Q = Laboratory Control Sample outside acceptance limits.
  - 6.) Y = Replicate/Duplicate precision outside acceptance limits.
  - 7.) V = Raised quantitation or reporting limit due to limited sample amount or dilution for matrix background interference.



Phenolics - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W13

Date	2,3,4,6-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	3&4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Chloro-3-Methylphenol	4-Nitrophenol	Dinoseb	Pentachlorophenol	Phenol
06/22/92		<1.02		<1.02	<0.51	<0.51	<1.02		<0.51		<0.51		<1.02	<0.51	<1.02		636	4.42
12/19/92		<1		<1	<0.5	<0.5	<1		<0.5		<0.5		<1	<0.5	<1		4,550	<0.5
06/30/93	<100		<200	<100	<100	<100	<200	<100		<100	<100	<200	<100	<100	<200	<100	540	
12/27/93	120		<200	<100	<100	<100	<200	<100		<100	<100	<200	<100	<100	<200	<100	1,800	
04/25/94	190		25	<10	<10	<10	21	<10		<10	<10	<20	11	<10	<20	<10	520	
06/22/94	120		<200	<100	<100	<100	<200	<100		<100	<100	<200	<100	<100	<200	<100	1,500	
10/04/94	12		<20	<10	<10	<10	<20	<10		<10	<10	<20	<10	<10	<20	<10	220	
03/10/95	<100		<200	<100	<100	<100	<200	<100		<100	<100	<200	<100	<100	<200	<100	530	
07/06/95	33		<10	<10	<10	<10	<50		<10	<10	<10	<20	<50	<20	<50	<25	390	<10
09/13/95	<100		<100	<100	<100	<100	<200	<100	<100	<100	<100	<200	<100	<100	<200	<100	110	<100
03/20/96	<100		<100	<100	<100	<100	<200	<100	<100	<100	<100	<200	<100	<100	<200	<100	740	<100
07/10/96	<100		<100	<100	<100	<100	<200	<100	<100	<100	<100	<200	<100	<100	<200	<100	28	<100
09/25/96	99		<0.73	1.4	<0.8	<1.5	<0.72	<0.87	<1.2	<0.79	<1.5	<1.7	<0.75	<0.69	<0.74	<0.85	754	<1
07/11/97	<0.182		<0.453	<0.469	<0.344	<0.148	<0.269	<0.397	<0.194	<0.252	<0.104	<0.128	<0.362	<0.105	<0.351		260	<0.127
01/02/98	<0.182		<0.453	<0.469	<0.344	<0.148	<0.269	<0.397	<0.194	<0.252	<0.104	<0.128	<0.362	<0.105	<0.351		140	<0.127
06/24/98	<30		<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30		150	<30
01/26/99																	120	
06/09/99	<30		<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30		56	<30
01/11/00	20		<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15		290	<15
07/18/00	16		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		300	<3.0
01/31/01	<60		<60	<60	<60	<60	<60	<60	<60	<60	<60	<60	<60	<60	<60		400	<60
07/10/01	12		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		150	<3.0
01/15/02	24		<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15		180	<15
08/06/02	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
01/14/03	<3.0		<3.0	<3.0	<3.0	<3.0	3.3	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		3.1	<3.0
07/23/03	5.6		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		79	<3.0
01/21/04	<15J		<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15J		190	<15
07/14/04	<3.0		<3.0	<3.0	<3.0	<3.0	<4.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<4.0		45	<3.0
01/19/05	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/21/05	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
01/17/06	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		3.7	<3.0
07/18/06	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
01/23/07	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
1/23/2007 Duplicate	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/10/07	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0

Phenolics - Historical Data  
WAULECO, INC - Wausau Facility  
Well - W13

Date	2,3,4,6-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	3&4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Chloro-3-Methylphenol	4-Nitrophenol	Dinoseb	Pentachlorophenol	Phenol
01/28/08	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/24/08	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
01/20/09	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0Q	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/06/09	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
01/18/10	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/13/10	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
01/25/11	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
04/05/11																	<3.0	
07/19/11	<1.1		<1.1	<1.0	<1.0	<0.82	<1.5	<1.2	<0.87	<0.86	<0.90	<1.4	<1.6	<0.76	<1.1	<1.1	<0.48	
10/03/11																	<b>3.2</b>	
01/17/12	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
04/03/12																	<3.0	
07/06/12	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
01/08/13	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/10/13	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>1.4</b>	<3.0	
01/22/14	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/16/14	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>1.6</b>	<3.0	
01/19/15	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>2.5</b>	<3.0	
07/08/15	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
01/14/16	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/11/16	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
01/23/17	<b>0.66</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>3.7</b>	<3.0	
07/20/17	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>0.75 B</b>	<3.0	
01/09/18	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/16/18	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>2.7</b>	<3.0	
01/22/19	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/16/19	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
01/14/20	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/13/20	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
01/13/21	<3.0		<3.0	<3.0	<3.0	<3.0 Q	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/12/21	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
01/13/22	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/13/22	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
01/11/23	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0 Q	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/10/23	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	

Notes: Prepared By: T. Dushek, 7/31/23 Checked By: A. Voit, 10/11/23

- 1.) All units are in ug/L.
- 2.) Bold Values indicate detections
- 3.) B = Analyte detected in the associated Method Blank
- 4.) J = Estimated Value
- 5.) M = Matrix spike and/or Matrix Spike duplicate recovery outside acceptance limits.
- 6.) Q = Laboratory Control Sample outside acceptance limits.
- 7.) Y = Replicate/Duplicate precision outside acceptance limits.
- 8.) V = Raised quantitation or reporting limit due to limited sample amount or dilution for matrix background interference.

Phenolics - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W14

Date	2,3,4,6-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	3&4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Chloro-3-Methylphenol	4-Nitrophenol	Dimoseb	Pentachlorophenol	Phenol
01/08/87																	<1	
06/04/87																	<1	
09/03/87																	<1	
12/03/87																	<b>4.74</b>	
03/03/88																	<1	
04/07/88																	<1	
08/10/88																	<1	
11/15/88																	<1	
01/26/89																	<b>1.93</b>	
04/27/89																	<1	
07/27/89																	<1	
10/26/89																	<1	
01/25/90																	<1	
05/03/90																	<1	
09/21/90																	<b>1.64</b>	
12/12/90																	<1	
01/30/91																	<b>1.65</b>	
05/01/91																	<b>2.79</b>	
06/18/91																	<1	
10/08/91																	<b>6.49</b>	
06/24/92		<1.02		<1.02	<b>2.39</b>	<0.51	<1.02		<0.51		<0.51		<b>1.23</b>	<b>0.582</b>	<1.02		<1.02	<0.51
12/18/92		<1		<1	<0.5	<0.5	<1		<0.5		<0.5		<1	<0.5	<1		<b>2.43</b>	<0.5
06/29/93	<1		<1	<1	<1	<10	<1	<1		<10	<1	<20	<1	<10	<1	<1	<1	
12/28/93	<10		<20	<10	<10	<10	<20	<10		<10	<10	<20	<10	<10	<20	<10	<b>11</b>	
06/21/94	<10		<20	<10	<10	<10	<20	<10		<10	<10	<20	<10	<10	<20	<10	<b>26</b>	
07/06/95	<25		<10	<10	<10	<10	<50		<10	<10	<10	<20	<50	<20	<50	<25	<50	<10
07/08/96	<10		<10	<10	<10	<10	<20	<10	<10	<10	<10	<20	<10	<10	<20	<10	<1	<10
07/11/97	<0.182		<0.453	<0.469	<0.344	<0.148	<0.269	<0.397	<0.194	<0.252	<0.104	<0.128	<0.362	<0.105	<b>5</b>		<b>4.7</b>	<0.127
06/23/98	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>6.6</b>	<3.0
06/07/99	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/17/00	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<b>4</b>		<b>7.4</b>	<3.0
01/30/01	<3.0		<b>11</b>	<3.0	<3.0	<3.0	<b>4.0</b>	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<b>6.7</b>		<3.0	<3.0
07/10/01	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0

Phenolics - Historical Data  
WAULECO, INC - Wausau Facility  
Well - W14

Date	2,3,4,6-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	3&4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Chloro-3-Methylphenol	4-Nitrophenol	Dinoseb	Pentachlorophenol	Phenol
08/05/02	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/22/03	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/12/04	<3.0		<3.0	<3.0	<b>14</b>	<3.0	<4.0	<3.0J	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/19/05	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/18/06	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/09/07	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/22/08	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/06/09	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/13/10	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/18/11	<1.2		<1.2	<1.1	<1.1	<0.86	<1.6 Q	<1.3	<0.92	<0.91	<0.95	<1.5	<1.7 Q	<0.80	<1.2	<1.2 Q	<0.51	
07/09/12	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/01/13	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/06/20																	<3.0	
10/05/20																	<3.0	
01/11/21																	<3.0	
04/12/21																	<3.0	
07/08/21																	<3.0	
10/18/21																	<3.0	
01/12/22																	<3.0	
04/12/22																	<3.0	
07/06/22																	<3.0	

Notes:

Prepared By: T. Dushek, 8/9/22

Checked By: A. Voit, 9/11/22

- 1.) All units are in ug/L.
- 2.) Bold Values indicate detections
- 3.) J = Estimated Value
- 4.) M = Matrix spike and/or Matrix Spike duplicate recovery outside acceptance limits.
- 5.) Q = Laboratory Control Sample outside acceptance limits.
- 6.) Y = Replicate/Duplicate precision outside acceptance limits.
- 7.) V = Raised quantitation or reporting limit due to limited sample amount or dilution for matrix background interference.
- 8.) WDNR letter dated March 18, 2014 concurred with a TRC letter dated October 13, 2013 that this well could be eliminated from the monitoring network.

Phenolics - Historical Data  
WAULECO, INC - Wausau Facility  
Well - W16

Date	2,3,4,6-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	3&4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Chloro-3-Methylphenol	4-Nitrophenol	Dinoseb	Pentachlorophenol	Phenol	
01/08/87																	12.4		
06/04/87																	27.3		
09/03/87																	<1		
12/03/87																	<1		
03/03/88																	13.9		
04/07/88																	<1		
08/10/88																	13.7		
11/15/88																	19.8		
01/26/89																	2.34		
04/27/89																	265		
07/27/89																	2.04		
10/26/89																	1.49		
01/25/90																	31		
05/03/90																	1.66		
09/21/90																	3.44		
12/12/90																	1.93		
01/30/91																	4.53		
05/01/91																	<1		
06/19/91																	2.03		
10/08/91																	5.35		
06/16/92		<1.02		<1.02	<0.51	<0.51	<1.02		<0.51		<0.51		<1.02	<0.51	<1.02		<1.02	27.6	
12/18/92		<1		<1	<0.5	<0.5	<1		<0.5		<0.5		<1	<0.5	<1		4.79	<0.5	
06/29/93	<1		<1	<1	<1	<10	<1	<1		<10	<1	<20	<1	<10	<1	<1	<1		
12/28/93	<10		<20	<10	<10	<10	<20	<10		<10	<10	<20	<10	<10	<20	<10	11		
06/21/94	<10		<20	<10	<10	<10	<20	<10		<10	<10	<20	<10	<10	<20	<10	43		
07/06/95	<34		<14	<14	<14	<14	<69		<14	<13.7	<14	<27.4	<69	<27	<69	<34	<69	<14	
07/08/96	<10		<10	<10	<10	<10	<20	<10	<10	<10	<10	<20	<10	<10	<20	<10	<1	<10	
07/11/97	<0.182		<0.453	<0.469	<0.344	<0.148	<0.269	<0.397	<0.194	<0.252	<0.104	<0.128	<0.362	<0.105	<0.351		2.9	<0.127	
06/24/98	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
06/07/99	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/18/00	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		3.2	9.6	<3.0
01/30/01	<3.0		10	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/10/01	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	

Phenolics - Historical Data  
WAULECO, INC - Wausau Facility  
Well - W16

Date	2,3,4,6-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	3&4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Chloro-3-Methylphenol	4-Nitrophenol	Dinoseb	Pentachlorophenol	Phenol
08/05/02	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/22/03	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<b>3.3</b>	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/12/04	<3.0		<3.0	<3.0	<3.0	<3.0	<4.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<4.0		<3.0	<3.0	
07/19/05	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/19/06	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/09/07	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/23/08	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/06/09	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/13/10	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/18/11	<b>190</b>		<1.2	<1.1	<1.1	<0.89	<1.6 Q	<1.3	<0.95	<0.93	<0.98	<1.5	<1.7 Q	<0.83	<1.2	<b>3,000</b>	<0.52	
01/23/12	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
1/23/2012 Duplicate	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
04/09/12																	<3.0	<3.0
07/06/12	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/01/13	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/08/14	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/06/15	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/05/16	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/10/17	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/10/18	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/08/19	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/06/20	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
10/05/20																	<3.0	<3.0
01/11/21																	<3.0	<3.0
04/12/21																	<3.0	<3.0
07/06/21	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
10/18/21																	<3.0	<3.0
01/12/22																	<3.0	<3.0
04/12/22																	<3.0	<3.0
07/05/22	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/05/23	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	

Notes: Prepared By: T. Dushek, 7/31/23 Checked By: A. Voit, 10/11/23

- 1.) All units are in ug/L.
- 2.) Bold Values indicate detections
- 3.) J = Estimated Value
- 4.) M = Matrix spike and/or Matrix Spike duplicate recovery outside acceptance limits.
- 5.) Q = Laboratory Control Sample outside acceptance limits.
- 6.) Y = Replicate/Duplicate precision outside acceptance limits.
- 7.) V = Raised quantitation or reporting limit due to limited sample amount or dilution for matrix background interference.

Phenolics - Historical Data  
WAULECO, INC - Wausau Facility  
Well - W17

Date	2,3,4,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	3&4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Chloro-3-Methylphenol	4-Nitrophenol	Pentachlorophenol	Phenol
07/24/03	<b>72</b>	<60	<60	<b>250</b>	<b>98</b>	<60	<60	<60	<b>340</b>	<b>340</b>	<60	<60	<60	<60	<b>1,400</b>	<b>91</b>
07/13/04	<60	<60J	<60J	<60	<60J	<b>110</b>	<b>130</b>	<60	<b>190</b>	<b>180</b>	<b>150</b>	<60	<60	<60	<b>1,000</b>	<b>390</b>
01/21/05 1/21/2005	<30 V	<30 V	<30 V	<30 V	<30 V	<30 V	<30 V	<b>94 V</b>	<b>65 V</b>	<b>420 V</b>	<b>67 V</b>	<30 V	<30 V	<30 V	<b>240 V</b>	<b>110 V</b>
Duplicate 07/20/05	<30 V	<30 V	<30 V	<30 V	<30 V	<30 V	<30 V	<b>95 V</b>	<b>67 V</b>	<b>420 V</b>	<b>68 V</b>	<30 V	<30 V	<30 V	<b>230 V</b>	<b>70 V</b>
07/18/06	<60	<b>91</b>	<60	<60	<60	<60	<60	<60	<60	<b>260</b>	<60	<60	<60	<60	<b>830</b>	<b>69</b>
01/23/07 1/23/2007	<60	<60	<60	<60	<60	<60	<60	<60	<60	<b>110</b>	<60	<60	<60	<60	<b>940</b>	<60
Duplicate 07/10/07	<60	<60	<60	<60	<60	<60	<60	<60	<60	<b>160</b>	<60	<60	<60	<60	<b>920</b>	<60
01/28/08	<21	<17	<20	<13	<10	<20	<26	<14	<6	<12	<11	<15	<6.3	<12	<b>620</b>	<5.1
07/23/08	<b>20</b>	<16	<18	<13	<25	<33	<19	<14	<18	<12	<14	<19	<23	<13	<b>460</b>	<6.4
07/06/09 7/6/2009	<b>19</b>	<16	<18	<12	<24	<33	<19	<14	<18	<12	<14	<19	<22	<13	<b>570</b>	<6.3
Duplicate	<b>17</b>	<16	<18	<12	<24	<33	<19	<14	<18	<12	<14	<19	<22	<13	<b>530</b>	<6.3
01/18/10	<b>25</b>	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<b>440</b>	<3.0
07/15/10	<b>42</b>	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<b>520</b>	<3.0
01/24/11	<b>21</b>	<11.0	<10.0	<10.0	<8.5	<15.0	<12.0	<9.0	<8.9	<9.3	<14.0	<16.0	<7.8	<11.0	<b>370</b>	<4.9
07/19/11	<b>17</b>	<1.1	<1.0	<1.0	<0.84	<1.5	<1.2	<0.89	<0.88	<0.92	<1.4	<1.6	<0.78	<1.1	<b>180</b>	<0.49
01/23/12	<b>11</b>	<6	<5.5	<5.5	<4.5	<8.2	<6.6	<4.8	<4.7	<4.9	<7.7	<8.8	<4.2	<6	<b>330</b>	<3.0
07/06/12 7/6/2012	<b>8.1</b>	<b>1.1</b>	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<b>190</b>	<3.0
Duplicate	<b>8.2</b>	<b>1.2</b>	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<b>140</b>	<3.0
01/07/13	<11	<11	<10	<10	<8.3	<15	<12	<8.8	<8.7	<9.1	<14	<16	<7.7	<11	<b>220</b>	<4.8
07/02/13	<b>16</b>	<11	<10	<10	<8.5	<15	<12	<9	<8.9	<9.3	<14	<16	<7.8	<11	<b>370</b>	<4.9
01/22/14	<12	<12	<11	<11	<9	<16	<13	<9.6	<9.5	<9.9	<15	<18	<8.4	<12	<b>190</b>	<5.3
07/16/14	<b>11</b>	<11	<10	<10	<8.4	<15	<12	<8.9	<8.8	<9.2	<14	<16	<7.8	<11	<b>230</b>	<4.9
01/15/15 1/15/2015	<10	<5.2	<3.0	<5.2	<3.0	<15	<4.1	<3.0	<4.1	<3.0	<4.1	<6.2	<3.0	<6.2	<b>300</b>	<3.0
Duplicate 07/09/15	<10	<5.1	<3.0	<5.1	<3.0	<15	<4.1	<3.0	<4.1	<3.0	<4.1	<6.1	<3.0	<6.1	<b>81</b>	<3.0
07/09/15	<b>11</b>	<5.2	<3.0	<5.2	<3.0	<15	<4.1	<3.0	<4.1	<3.0	<4.1	<6.2	<3.0	<6.2	<b>260</b>	<3.0
01/14/16 1/14/2016	<10	<5.2	<3.0	<5.2	<3.0	<15	<4.1	<3.0	<4.1	<3.0	<4.1	<6.2	<3.0	<6.2	<b>110</b>	<3.0
Duplicate 07/07/16	<10	<5.2	<3.0	<5.2	<3.0	<15	<4.1	<3.0	<4.1	<3.0	<4.1	<6.2	<3.0	<6.2	<b>120</b>	<3.0
07/07/16	<b>1.3</b>	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<b>60</b>	<3.0
01/16/17	<b>3.6</b>	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<b>170</b>	<3.0
07/11/17	<b>3.2</b>	<3.0	<5.1	<3.0	<3.0	<3.0	<4.1	<3.0	<3.0	<3.0	<3.0	<3.1	<3.0	<3.0	<b>69</b>	<3.0
01/11/18	<b>2.6</b>	<b>0.52</b>	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<b>72</b>	<3.0
07/11/18	<b>4.6</b>	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.1	<3.0	<3.0	<b>99</b>	<3.0
01/24/19	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<b>67</b>	<3.0
07/11/19	<b>3.9</b>	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<b>77</b>	<3.0
01/13/20 07/08/20	<b>3.1 Q</b>	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<b>61</b>	<3.0
07/08/20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<b>17</b>	<3.0
01/11/21	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<b>42</b>	<3.0
07/12/21	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<b>15</b>	<3.0
01/17/22	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<b>120</b>	<3.0
07/11/22	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<b>61</b>	<3.0
01/09/23	<b>2</b>	<3.0	<3.0	<3.0	<3.0	<3.0 Q	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<b>190</b>	<3.0
07/10/23	<b>1.3</b>	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<b>31</b>	<3.0

Notes: Prepared By: T. Dushek, 7/31/23 Checked By: A. Voit, 10/11/23

- 1.) All units are in ug/L.
- 2.) Bold Values indicate detections
- 3.) J = Estimated Value
- 4.) M = Matrix spike and/or Matrix Spike duplicate recovery outside acceptance limits.
- 5.) Q = Laboratory Control Sample outside acceptance limits.
- 6.) Y = Replicate/Duplicate precision outside acceptance limits.
- 7.) V = Raised quantitation or reporting limit due to limited sample amount or dilution for matrix background interference.

Phenolics - Historical Data  
WAULECO, INC - Wausau Facility  
Well - W18

Date	2,3,4,6-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	3&4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Chloro-3-Methylphenol	4-Nitrophenol	Dinoseb	Pentachlorophenol	Phenol
02/25/92		<10		<b>146</b>	<5	<5	<10		<5		<b>17.3</b>		<10	<5	<10		<b>11,800</b>	<5
07/08/92		<b>17</b>		<1.02	<b>70.8</b>	<b>9.67</b>	<b>85.9</b>		<0.51		<b>3.6</b>		<1.02	<b>24.9</b>	<1.02		<b>9,380</b>	<b>27</b>
09/17/92		<b>47.8</b>		<1	<b>29.6</b>	<0.5	<1		<b>1.68</b>		<b>4.25</b>		<b>4.39</b>	<0.5	<b>102</b>		<b>11,600</b>	<0.5
12/17/92		<b>33.8</b>		<1	<b>15</b>	<0.5	<1		<0.5		<0.5		<1	<0.5	<1		<b>19,500</b>	<b>60.7</b>
03/23/93		<20		<6	<2	<2	<6		<2		<2		<10	<10	<10		<b>7,470</b>	<2
06/29/93	<b>750</b>		<200	<100	<100	<100	<200	<100	<100	<100	<200	<100	<100	<200	<100		<b>13,000</b>	
12/28/93	<b>840</b>		<b>52</b>	<b>170</b>	<10	<b>23</b>	<b>45</b>	<b>16</b>		<b>14</b>	<10	<20	<10	100	<20	<10	<b>5,600</b>	
06/22/94	<b>1,000</b>		<b>400</b>	<b>400</b>	<b>220</b>	<100	<b>350</b>	<100		<100	<100	<200	<100	<100	<200	<100	<b>11,000</b>	
07/05/95	<640		<260	<260	<260	<1000	<1300		<260	<255	<260	<510	<1300	<510	<1300	<640	<b>5,100</b>	<260
07/09/96	<5000		<5000	<5000	<5000	<5000	<10000	<5000	<5000	<5000	<5000	<10000	<5000	<5000	<10000	<5000	<b>1,100</b>	<5000
07/11/97	<0.182		<b>55</b>	<0.469	<0.344	<b>53</b>	<0.269	<0.397	<0.194	<0.252	<0.104	<0.128	<0.362	<b>67</b>	<0.351		<b>15,000</b>	<b>320</b>
06/24/98	<300		<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300		<b>2,500</b>	<300
06/08/99	<30.0		<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0		<b>250</b>	<30.0
07/18/00	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<b>3.3</b>		<b>80</b>	<3.0
01/31/01	<3.0		<b>9.5</b>	<3.0	<3.0	<3.0	<b>3.8</b>	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<b>7.1</b>		<b>32</b>	<3.0
07/11/01	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>16</b>	<3.0
08/06/02	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>3.6</b>	<3.0
07/23/03	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>4.7</b>	<3.0
07/12/04	<3.0		<3.0	<3.0	<3.0	<3.0	<4.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<4.0		<3.0	<3.0
07/18/05	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0 M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0 M	<3.0	<3.0 M		<3.0 M	<3.0 M
07/18/06	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<b>5.8</b>
07/10/07	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/23/08	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/07/09	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/13/10	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/19/11	<b>19</b>		<1.2	<1.1	<1.1	<0.87	<1.6	<1.3	<0.93	<0.91	<0.96	<1.5	<1.7	<0.81	<1.2		<b>230</b>	<0.51
01/17/12	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>2.9</b>	<3.0
04/09/12																	<3.0	
07/19/12	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>2.6</b>	<3.0
07/02/13	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/10/14	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/07/15	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/06/16	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/11/17	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/11/18	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/08/19	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>2.0</b>	<3.0
07/07/20	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/06/21	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/06/22	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/06/23	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0

Notes: Prepared By: T. Dushek, 7/31/23 Checked By: A. Voit, 10/11/23

- 1.) All units are in ug/L.
- 2.) Bold Values indicate detections
- 3.) J = Estimated Value
- 4.) M = Matrix spike and/or Matrix Spike duplicate recovery outside acceptance limits.
- 5.) Q = Laboratory Control Sample outside acceptance limits.
- 6.) Y = Replicate/Duplicate precision outside acceptance limits.
- 7.) V = Raised quantitation or reporting limit due to limited sample amount or dilution for matrix background interference.



Phenolics - Historical Data  
WAULECO, INC - Wausau Facility  
Well - W19

Date	2,3,4,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	3&4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Chloro-3-Methylphenol	4-Nitrophenol	Pentachlorophenol	Phenol
07/18/00	<300	<300	<300	<b>570</b>	<300	<300	<b>630</b>	<b>870</b>	<b>910</b>	<b>1,100</b>	<b>2,400</b>	<300	<300	<b>1,000</b>	<300	<b>3,600</b>
07/11/01	<150	<150	<150	<150	<150	<150	<150	<150	<150	<150	<150	<150	<150	<150	<150	<150
01/15/02	<b>150</b>	<b>48</b>	<b>110</b>	<b>150</b>	<b>220</b>	<b>320</b>	<b>78</b>	<b>570</b>	<b>750</b>	<b>260</b>	<b>200</b>	<b>36</b>	<b>120</b>	<b>120</b>	<b>94</b>	<b>240</b>
08/06/02	<150	<150	<150	<b>190</b>	<b>250</b>	<150	<b>410</b>	<b>490</b>	<b>590</b>	<b>530</b>	<b>720</b>	<150	<150	<150	<150	<b>2,000</b>
01/14/03	<b>16</b>	<3.0	<b>4.9</b>	<b>45</b>	<3.0	<3.0	<3.0	<3.0	<3.0	<b>29</b>	<3.0	<3.0	<3.0	<3.0	<b>44</b>	<3.0
07/22/03	<b>1,700</b>	<60	<60	<60	<60	<60	<60	<b>1,400</b>	<60	<b>170</b>	<60	<60	<60	<60	<b>710</b>	<b>960</b>
01/20/04	<60	<60	<60	<60J	<60J	<60J	<60	<60	<b>95</b>	<60J	<60J	<60	<60	<60J	<b>50</b>	<b>200</b>
07/13/04	<60	<b>65J</b>	<60J	<b>72</b>	<60	<b>180</b>	<b>72</b>	<b>700</b>	<b>380</b>	<b>110</b>	<b>85J</b>	<60	<b>85</b>	<80	<b>210</b>	<b>640</b>
01/21/05	<b>41 V</b>	<600 V	<600 V	<600 V	<600 V	<600 V	<600 V	<b>7900 V</b>	<b>4100 V</b>	<b>4600 V</b>	<b>4100 V</b>	<600 V	<600 V	<600 V	<b>72 V</b>	<b>5100 V</b>
07/20/05	<b>4.9</b>	<3.0	<3.0	<3.0	<3.0	<b>3.8</b>	<3.0	<b>20</b>	<b>13</b>	<b>4.1</b>	<b>18</b>	<b>4.4</b>	<3.0	<3.0	<b>21</b>	<3.0
01/17/06	<b>290 V</b>	<30.0	<b>96 V</b>	<1500	<1500	<b>400 V</b>	<b>280 V</b>	<b>7600 V</b>	<b>1900 V</b>	<b>23000 V</b>	<b>2200 V</b>	<b>200 V</b>	<b>280 V</b>	<b>78 V</b>	<b>260 V</b>	<b>7400 V</b>
07/20/06	<b>37.0</b>	<b>26</b>	<b>11</b>	<b>86</b>	<b>140</b>	<b>77.0</b>	<b>81</b>	<b>3,400</b>	<b>500</b>	<b>1,800.0</b>	<b>570</b>	<b>100.0</b>	<b>47</b>	<b>18</b>	<b>72</b>	<b>430</b>
01/23/07	<b>10.0</b>	<3.0	<b>3</b>	<3.0	<b>11</b>	<3.0	<3.0	<3.0	<3.0	<b>150.0</b>	<b>27</b>	<b>15.0</b>	<b>3.1</b>	<b>4.5</b>	<b>27</b>	<b>70</b>
07/11/07	<b>11.0</b>	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<b>68</b>	<3.0
7/11/2007 Duplicate	<b>9.6</b>	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<b>57</b>	<3.0
01/28/08	<b>6.2</b>	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<b>49</b>	<3.0
07/24/08	<b>9.9</b>	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<b>60</b>	<3.0
01/20/09	<b>3.3</b>	<3.0	<3.0	<3.0	<3.0	<3.5	<3.0Q	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<b>22</b>	<3.0
07/07/09	<b>9.0</b>	<3.0	<3.0	<3.0	<3.0	<3.3	<3.0	<3.0	<3.0	<3.0	<b>7.1</b>	<3.0	<3.0	<3.0	<b>87</b>	<3.0
01/18/10	<b>4.5</b>	<3.0	<3.0	<3.0	<3.0	<3.3	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<b>28</b>	<3.0
07/14/10	<b>11.0</b>	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.2	<3.0	<3.0	<b>59</b>	<3.0
01/25/11	<b>75.0</b>	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<b>430</b>	<3.0
04/05/11															<b>710</b>	
07/19/11	<b>27</b>	<1.1	<1.0	<1.0	<0.85	<1.6	<1.3	<0.91	<0.90	<0.94	<1.5	<1.7	<0.79	<1.1	<b>150</b>	<0.50
10/03/11															<b>210</b>	
01/17/12	<b>81</b>	<b>2.6</b>	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<b>570</b>	<3.0
04/03/12															<b>270</b>	
07/06/12	<b>85</b>	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<b>640</b>	<3.0
01/04/13	<b>24.0</b>	<11	<10	<10	<8.4	<15	<12	<8.9	<8.8	<9.2	<14	<16	<7.8	<11	<b>260</b>	<4.9
07/01/13	<b>15.0</b>	<11	<10	<10	<8.3	<15	<12	<8.8	<8.7	<9.1	<14	<16	<7.7	<11	<b>120</b>	<4.8
01/21/14	<b>50.0</b>	<11	<10	<10	<8.5	<15	<12	<9	<8.9	<9.3	<14	<b>35</b>	<7.8	<11	<b>310</b>	<4.9
07/08/14	<b>33.0</b>	<11	<10	<10	<8.5	<15	<12	<9	<8.9	<9.3	<14	<16	<7.8	<11	<b>260</b>	<4.9
01/15/15	<b>40.0</b>	<5.1	<3.0	<5.1	<3.0	<15	<4.0	<3.0	<4.0	<3.0	<4.0	<6.1	<3.0	<6.1	<b>270</b>	<3.0
07/08/15	<10	<5.1	<3.0	<5.1	<3.0	<15	<4.1	<3.0	<4.1	<3.0	<4.1	<6.1	<3.0	<6.1	<b>250</b>	<3.0
01/14/16	<b>72.0</b>	<5.1	<3.0	<5.1	<3.0	<15	<4.1	<3.0	<4.1	<3.0	<4.1	<6.1	<3.0	<6.1	<b>610</b>	<3.0
07/07/16	<b>77.0</b>	<3.0	<5.1	<3.0	<3.0	<3.0	<4.1	<3.0	<3.0	<3.0	<3.0	<3.1	<3.0	<3.0	<b>660</b>	<3.0
01/16/17	<b>25.0</b>	<3.0	<5.1	<3.0	<3.0	<3.0	<4.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<b>230</b>	<3.0
07/17/17	<b>16.0</b>	<3.0	<5.1	<3.0	<3.0	<3.0	<4.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<b>120</b>	<3.0
01/10/18	<b>41.0</b>	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<b>290</b>	<3.0
07/11/18	<b>25.0</b>	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<b>180</b>	<3.0
01/23/19	<b>11.0</b>	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<b>89</b>	<3.0

Notes:

Prepared By: T. Dushek, 8/20/19

Checked By: A. Voit, 11/27/19

- 1.) All units are in ug/L.
- 2.) Bold Values indicate detections
- 3.) J = Estimated Value
- 4.) M = Matrix spike and/or Matrix Spike duplicate recovery outside acceptance limits.
- 5.) Q = Laboratory Control Sample outside acceptance limits.
- 6.) Y = Replicate/Duplicate precision outside acceptance limits.
- 7.) V = Raised quantitation or reporting limit due to limited sample amount or dilution for matrix background interference.

Phenolics - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W21

Date	2,3,4,6-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	3&4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Chloro-3-Methylphenol	4-Nitrophenol	Dinoseb	Pentachlorophenol	Phenol
01/08/87																	<b>1.96</b>	
06/04/87																	<1	
09/03/87																	<1	
12/03/87																	<1	
03/03/88																	<1	
04/07/88																	<1	
08/10/88																	<b>5.55</b>	
11/15/88																	<b>182</b>	
01/26/89																	<b>2.47</b>	
04/27/89																	<1	
07/27/89																	<1	
10/26/89																	<1	
01/25/90																	<b>3.86</b>	
05/03/90																	<b>1.09</b>	
09/21/90																	<b>8.96</b>	
12/12/90																	<b>2.36</b>	
01/30/91																	<b>1.84</b>	
05/01/91																	<1	
06/19/91																	<b>2.33</b>	
10/08/91																	<b>4.21</b>	
06/24/92		<1.02		<1.02	<0.51	<0.51	<1.02		<0.51		<0.51		<1.02	<0.51	<1.02		<1.02	<0.51
12/18/92		<1		<1	<0.5	<0.5	<1		<0.5		<0.5		<1	<0.5	<1		<b>26.5</b>	2.63
06/29/93	<1		<1	<1	<1	<10	<1	<1		<10	<1	<20	<1	<10	<1	<1	<b>2.8</b>	
12/28/93	<10		<20	<10	<10	<10	<20	<10		<10	<10	<20	<10	<10	<20	<10	<b>33</b>	
06/22/94	100		56	27	<10	<10	<20	<10		<10	<10	<20	<10	<10	<20	<10	<b>44</b>	
07/06/95	<25		<10	<10	<10	<10	<50		<10	<10	<20	<50	<20	<50	<25	<50	<50	<10
07/08/96	<10		<10	<10	<10	<10	<20	<10	<10	<10	<20	<10	<10	<20	<10	<10	<1	<10
07/11/97	<0.182		<0.453	<0.469	<0.344	<0.148	<0.269	<0.397	<0.194	<0.252	<0.104	<0.128	<0.362	<0.105	<0.351		<b>3.1</b>	<0.127
06/23/98	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>5.1</b>	<3.0
06/07/99	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/17/00	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<b>3.4</b>		<b>10</b>	<3.0
01/30/01	<3.0		<b>7.9</b>	<3.0	<3.0	<3.0	<b>27</b>	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<b>8.2</b>		<b>44</b>	<3.0
07/10/01	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0

Phenolics - Historical Data  
WAULECO, INC - Wausau Facility  
Well - W21

Date	2,3,4,6-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	3&4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Chloro-3-Methylphenol	4-Nitrophenol	Dinoseb	Pentachlorophenol	Phenol
08/05/02	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/22/03	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/13/04	<3.0		<3.0	<3.0	<3.0	<3.0	<4.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<4.0		<3.0	<3.0	
07/19/05	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/18/06	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/09/07	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/22/08	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/07/09	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/14/10	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/18/11	<1.1		<1.1	<1.0	<1.0	<0.85	<1.5 Q	<1.2	<0.90	<0.89	<0.93	<1.4	<1.6 Q	<0.78	<1.1	<b>1.3 Q</b>	<0.49	
07/09/12	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/01/13	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/08/14	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/07/15	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/05/16	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/10/17	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/10/18	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/09/19	<b>0.58</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>5.0</b>	<3.0	
07/06/20	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
10/05/20																	<3.0	
01/12/21																	<3.0	
04/12/21																	<3.0	
07/07/21	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
10/18/21																	<3.0	
01/12/22																	<3.0	
04/12/22																	<3.0	
07/05/22	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/05/23	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	

Notes: Prepared By: T. Dushek, 7/31/23 Checked By: A. Voit, 10/11/23

- 1.) All units are in ug/L.
- 2.) Bold Values indicate detections
- 3.) J = Estimated Value
- 4.) M = Matrix spike and/or Matrix Spike duplicate recovery outside acceptance limits.
- 5.) Q = Laboratory Control Sample outside acceptance limits.
- 6.) Y = Replicate/Duplicate precision outside acceptance limits.
- 7.) V = Raised quantitation or reporting limit due to limited sample amount or dilution for matrix background interference.

Phenolics - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W22

Date	2,3,4,6-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	3&4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Chloro-3-Methylphenol	4-Nitrophenol	Dinoseb	Pentachlorophenol	Phenol	Phenol/2-Chlorophenol
02/25/92		<10		<10	<5	<5	<10		<5		<5		12	<5	<10		37,300		<5
06/14/92		73.1		<11.1	77.9	<5.56	<11.1		<0.556		<5.56		1.7	<5.56	<1.11		33,500		<0.556
09/17/92		<1		<1	1.62	<0.5	<1		<0.5		<0.5		<1	<0.5	1.14		117		<0.5
12/18/92		69.9		1230	<0.5	<0.5	<1		<0.5		70.1		<1	<0.5	25.8		74,300		119
03/24/93		<20		<6	<2	<2	<6000		<2		<2		<10	<10	<10		81,440		<2
06/30/93	<1		<1	<1	<1	<10	<1	<1		<10	<1	<20	<1	<10	<1	<1	1		<20
12/28/93	<100		<200	<100	<100	<100	<200	<100		<100	<100	<200	<100	<100	<200	<100	1,500		460
04/25/94	430		<20	<10	140	110	45	66		17	110	<20	19	130	71	24	1,100		27
06/22/94	2,900		930	1,800	600	<100	200	310		<100	210	<200	150	300	300	<100	6,100		<200
10/04/94	190		<100	<50	<50	<50	<100	<50		<50	<50	<100	<50	<50	<100	<50	1,400		<100
03/09/95	<1000		<2000	<1000	<1000	<1000	<2000	<1000		<1000	<1000	<2000	<1000	<1000	<2000	<1000	7,300		<2000
07/06/95	<630		<250	<250	<250	<250	<1300		<250	<250	<250	<500	<1300	<500	<1300	<630	2,600		<250
09/13/95	<1000		<1000	<1000	<1000	<1000	<2000	<1000	<1000	<1000	<1000	<2000	<1000	<1000	<2000	<1000	2,000		<1000
12/18/95	<100		<100	<100	<100	<100	<200	<100	<100	<100	<100	<200	<100	<100	<200	<100	3,200		<100
03/21/96	<1000		<1000	<1000	<1000	<1000	<2000	<1000	<1000	<1000	<1000	<2000	<1000	<1000	<2000	<1000	610		<1000
07/10/96	<1000		<1000	<1000	<1000	<1000	<2000	<1000	<1000	<1000	<1000	<2000	<1000	<1000	<2000	<1000	730		<1000
09/25/96	1,280		<7.3	<7.1	<8	<15	<7.2	<8.7		<7.9	<15	<17	<7.5	<6.9	<7.4	<8.5	7,540		<10
01/21/97	1,180		<37	<36	<40	<78	<36	<44	<59	<40	<78	<87	<38	<35	<37	<43	5,800		<53
07/11/97	3,100		<0.453	<0.469	<0.344	<0.148	<0.269	<0.397	500	<0.252	<0.104	<0.128	<0.362	<0.105	<0.351		17,000		<0.127
01/02/98	<0.182		<0.453	<0.469	<0.344	<0.148	<0.269	<0.397	<0.194	<0.252	<0.104	<0.128	<0.362	<0.105	<0.351		12,000		<0.127
06/24/98	<1500		<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500		6,800		<1500
01/26/99							11,000	12,000	49,500	15,500	10,550	4,350					36,000	111,500	
08/07/02	1,400		920	910	3,600	3,300	<750	5,700	4,200	7,500	5,600	13,000	<750	<750	<750		3,900	19,000	
01/14/03	2,200		<750	<750	6,500	<750	3,300	<750	<750	<750	9,300	<750	<750	<750	<750		5,700	<750	
01/20/05	200 V		<60 V	<60 V	<60 V	<60 V	<60 V	<60 V	190 V	100 V	540 V	89 JV	<60 V	<60 V	<60 V		1100 V	110 V	
07/21/05	620 V		<600 V	<600 V	<600 V	<600 V	<600 V	<600 V	3200 V	1700 V	9700 V	1300 V	<600 V	<600 V	<600 V		4500 V	<600 V	
07/20/06	1,100		<600	<600	<600	940	<600	<600	<600	3,900	17,000	3,700	710	<600	<600		5,600	<600	
01/23/07	970		<300	<300	<300	<300	<300	<300	<300	<300	2,300	<300	<300	<300	<300		5,900	890	
07/11/07	450		<73	<87	<58	<44	<89	<110	<61	<27	<54	<48	<65	<28	<53		3,500	<22	
01/28/08	520		<82	<97	<65	<49	<99	<130	<68	<30	<60	<53	<73	<31	<59		5,000	<25	
07/24/08	470		<86	<93	<66	<130	<170	<100	<74	<95	<65	<73	<100	<120	<67		4,400	<34	
01/21/09	170		<82	<90	<64	<130	<170	<96Q	<71	<91	<63	<70	<97	<110	<65		2,300	<32	
07/07/09	580		<160	<170	<120	<240	<320	<190	<140	<180	<120	<140	<190	<220	<130		5,800	<63	
01/19/10	31		<8.2	<9	<6.4	<13	<17	<9.6	<7.1	<9.1	<6.3	<7	<9.7	<11	<6.5		480	<3.2	
07/15/10	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.2	<3.0	<3.0		19	<3.0	
7/15/2010 Duplicate	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		52	<3.0	

Phenolics - Historical Data  
WAULECO, INC - Wausau Facility  
Well - W22

Date	2,3,4,6-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	3&4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Chloro-3-Methylphenol	4-Nitrophenol	Dinoseb	Pentachlorophenol	Phenol	Phenol/2-Chlorophenol
01/25/11	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0 Q	<3.0	<3.0		12	<3.0	
04/05/11																	7.1		
07/19/11	1.3		<1.1	<1.0	<1.0	<0.84	<1.5	<1.2	<0.89	<0.88	<0.92	<1.4	<1.6	<0.78	<1.1		24	<0.49	
10/03/11																	36		
01/18/12	130		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		1,100	<3.0	
04/03/12																	8,000		
07/10/12	310		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		2,600	<3.0	
01/07/13	730		<28	<26	<26	<21	<39	<31	<22	<22	<23	<36	<41	<20	<28		5200	<12	
1/7/2013 Duplicate	850		<28	<26	<26	<21	<38	<31	<22	<22	<23	<36	<41	<19	<28		6900	<12	
07/08/13	430		<29	<26	<26	<21	<39	<31	<23	<22	<23	<36	<42	<20	<29		3700	<13	
01/22/14	520		<120	<110	<110	<88	<160	<130	<94	<92	<97	<150	<170	<82	<120		5100	<52	
07/08/14	200		<110	<100	<100	<84	<150	<120	<89	<88	<92	<140	<160	<78	<110		2900	<49	
01/15/15	190		<54	<13	<54	<20	<160	<43	<13	<43	<30	<43	<65	<29	<65		1800	<14	
07/09/15	260		<51	<12	<51	<18	<150	<41	<12	<41	<29	<41	<61	<28	<61		2700	<13	
01/13/16	150		<52	<13	<52	<19	<160	<42	<13	<42	<29	<42	<63	<28	<63		1400	<14	
07/11/16	240		<12	<51	<13	<20	<30	<41	<12	<15	<12	<17	<31	<14	<20		3000	<24	
01/19/17	430		<24	<100	<26	<40	<59	<81	<24	<30	<24	<34	<61	<28	<40		6,100	<48	
1/19/2017 Duplicate	460		<24	<100	<26	<40	<59	<81	<24	<30	<24	<34	<61	<28	<40		6,100	<48	
07/18/17	390		<12	<51	<13	<20	<29	<40	<12	<15	<12	<17	<30	<14	<20		4,200	<24	
01/15/18	440		<23	<21	<26	<20	<29	<21	<24	<20	<21	<23	<30	<22	<24		4,900	<26	
1/15/2018 Duplicate	470		<23	<21	<26	<20	<29	<21	<24	<20	<21	<23	<30	<22	<24		5,300	<26	
07/18/18	420 Q		<46	<42	<52	<40	<58	<42	<48	<40	<42	<46	<60	<44	<48		5,200	<52	
01/28/19	160		<22	<20	<25	<19	<28	<20	<23	<19	<20	<22	<29	<21	<23		3,000	<25	
1/28/2019 Duplicate	200		<22	<20	<25	<19	<28	<20	<23	<19	<20	<22	<29	<21	<23		3,100	<25	
07/18/19	1.0		<3.0	<3.0	<3.0	<3.0	<3.0 Q	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		13	<3.0	
01/22/20	42		1.4	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		680	<3	
07/13/20	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		960	<3.0	
10/05/20																	690		
01/12/21	170		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		2,400	<3.0	
04/13/21																	1,900		
07/13/21	210 Q		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		2,600	<3.0	
10/18/21																	1,000		
01/17/22	150		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		2,200	<3.0	
04/12/22																	2,600		
07/12/22	190		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		2,500	<3.0	
01/17/23	300		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		4,400	<3.0	
07/11/23	180		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		2,600	<3.0	

Notes:

Prepared By: T. Dushek, 7/31/23

Checked By: A. Voit, 10/11/23

- 1.) All units are in ug/L.
- 2.) Bold Values indicate detections
- 3.) J = Estimated Value
- 4.) M = Matrix spike and/or Matrix Spike duplicate recovery outside acceptance limits.
- 5.) Q = Laboratory Control Sample outside acceptance limits.
- 6.) Y = Replicate/Duplicate precision outside acceptance limits.
- 7.) V = Raised quantitation or reporting limit due to limited sample amount or dilution for matrix background interference.

Phenolics - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W25

Date	2,3,4,6-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	3,6,4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Chloro-3-Methylphenol	4-Nitrophenol	Dinoseb	Pentachlorophenol	Phenol	Phenol/2-Chlorophenol
02/19/92		<1		<1	7.15	8	<1		5.85		<0.5		<1	<0.5	<1	0	3570	<0.5	0
07/29/92		10.3		1.3	9.9	1.87	3.09		<0.5		<0.5		<1	1.64	1.75	0	71.1	<0.5	0
09/17/92		<1		10.4	2.1	<0.5	1.57		0.547		<0.5		<1	<0.5	1.29		55.4	<0.5	
12/17/92		7.02		4.04	10.2	<0.5	<1		<0.5		<0.5		<1	<0.5	<1		42.2	<0.5	
03/23/93		<20		<6	<2	<2	<6		<2		<2		<10	<10	<10		99.9	<2	
06/28/93	<10		<20	<10	<10	<10	<20	<10		12	53	<20	<10	<10	38	<10	<10		37
12/28/93	16		<1	<1	<1	<1	<10	<1	<1	<10	<10	<20	<1	<10	<1	<1	4.3		<20
04/25/94	140		310	260	53	52	190	42	<10	19	23	17	100	28	<10	<10	410		<20
06/21/94	280		140	110	110	32	60	32	23	77	<20	33	41	71	<10	<10	2400		34
10/04/94	<250		<500	<250	<250	<250	<500	<250	<250	<250	<500	<250	<250	<500	<250	<250	2300		<500
03/10/95	<1000		<2000	<1000	<1000	<1000	<2000	<1000	<1000	<1000	<2000	<1000	<1000	<2000	<1000	<1000	4500		<2000
03/23/95	12		95	220	120	65	51	<10		19	54	29	150	10	<20	<10	360		170
05/02/95	<100		<100	<100	<100	<100	<200	<100	<100	<100	<100	<200	180	<100	<200	<100	1700	<100	
05/24/95	<100		<100	<100	<100	<100	<200	<100	<100	<100	<100	<200	160	<100	<200	<100	1600	<100	
06/13/95	<100		<100	<100	<100	<100	<200	<100	<100	<100	<100	<200	110	<100	<200	<100	1500	<100	
07/05/95	320		<10	<10	<10	<10	<50	<10	<10	<10	<10	<20	<50	<20	<50	<25	560	<10	
07/26/95	<100		<100	<100	<100	<100	<200	<100	<100	<100	<100	<200	160	<100	<200	<100	180	<100	
09/07/95	<10		<10	<10	<10	<10	<20	<10	<10	<10	<10	<20	<10	<10	<20	<10	2.8	<10	
09/13/95	<1000		<1000	<1000	<1000	<1000	<2000	<1000	<1000	<1000	<2000	<1000	<1000	<2000	<1000	<1000	810	<1000	
01/18/96	<10		<10	<10	<10	<10	<20	<10	<10	<10	<10	<20	<10	<10	<20	<10	10		<20
03/21/96	<10		<10	<10	<10	<10	<20	<10	<10	<10	<10	<20	<10	<10	<20	<10	<1	<10	
07/11/97	<0.182		<0.453	<0.469	150	<0.148	230	170	<0.194	140	160	<0.128	<0.362	<0.105	<0.351		590	120	
01/02/98	<0.182		<0.453	<0.469	<0.344	<0.148	<0.269	<0.397	<0.194	<0.252	<0.104	<0.128	<0.362	<0.105	<0.351		120	<0.127	
06/23/98	<150		<150	<150	<150	<150	<150	<150	<150	<150	<150	<150	<150	<150	<150		880	<150	
01/26/99																	290		
06/09/99	<150		<150	<150	<150	<150	<150	<150	<150	<150	<150	<150	<150	<150	<150		230	<150	
01/11/00	<30		<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30		330	<30	
07/18/00	7.4		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	4.7		160	20	
01/30/01	<30		<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30		150	<30	
07/10/01	12		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	24	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		100	<3.0	
08/06/02	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	4.2	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		16	<3.0	
01/14/03	<3.0		<3.0	<3.0	<3.0	<3.0	3.6	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		6.2	<3.0	
07/22/03	4.4		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	5.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		44	<3.0	
01/20/04	<15J		<15	<15	<15	<15	<15	<15	32	<15	<15	<15	<15	<15	<15J		210	<15	
01/19/05	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		14.0	<3.0	
07/20/05	6.3		<3.0	<3.0	3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		150	<3.0	
7/20/2005 Duplicate	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		59	<3.0	

Phenolics - Historical Data  
WAULECO, INC - Wausau Facility  
Well - W25

Date	2,3,4,6-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	3,6,4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Chloro-3-Methylphenol	4-Nitrophenol	Dinoseb	Pentachlorophenol	Phenol	Phenol/2-Chlorophenol
01/17/06	<30 V		<30 V	<30 V	<30 V	<30 V	<30 V	<30 V	<30 V	<30 V	<30 V	<30 V	<30 V	<30 V		<b>310 V</b>	<30 V		
07/18/06	<15.0		<15.0	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0		<b>68</b>	<b>36</b>		
01/24/07	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>350</b>	<3.0		
07/11/07	<b>3.9</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>60</b>	<3.0		
01/29/08	<b>7.7</b>		<4.2	<4.9	<3.3	<3.0	<5.1	<6.4	<3.5	<3.0	<3.1	<3.0	<3.7	<3.0		<b>230 M</b>	<3.0		
07/23/08	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>9.6</b>	<3.0		
01/20/09	<b>8.9</b>		<4.2	<4.5	<3.2	<6.3	<8.4	<4.8Q	<3.6	<4.6	<3.2	<3.5	<4.9	<5.8		<b>210</b>	<3.0		
07/06/09	<b>11.0</b>		<4	<4.4	<3.1	<6.1	<8.2	<4.7	<3.5	<4.4	<3.1	<3.4	<4.7	<5.6		<b>150</b>	<3.0		
01/18/10	<b>5.9</b>		<4.1	<4.5	<3.2	<6.3	<8.3	<4.8	<3.5	<4.5	<3.1	<3.5	<4.8	<5.7		<b>65</b>	<3.0		
07/13/10	<b>6.1</b>		<3.0	<3.0	<3.0	<3.0	<3.1	<3.0	<3.0	<3.0	<3.0	<3.0	<3.3	<3.0		<b>130</b>	<3.0		
7/13/2010 Duplicate	<b>4.6</b>		<3.0	<3.0	<3.0	<3.0	<3.1	<3.0	<3.0	<3.0	<3.0	<3.0	<3.3	<3.0		<b>93</b>	<3.0		
01/24/11	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>5.4</b>	<3.0		
07/19/11	<1.1		<1.1	<1.0	<1.0	<0.84	<1.5	<1.2	<0.89	<0.88	<0.92	<1.4	<1.6	<0.78		<b>3.7</b>	<0.49		
7/19/2011 Duplicate	<1.1		<1.1	<1.0	<1.0	<0.84	<1.5	<1.2	<0.89	<0.88	<0.92	<1.4	<1.6	<0.78		<b>5.6</b>	<0.49		
01/23/12	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>6.6</b>	<3.0		
07/06/12	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>5.4</b>	<3.0		
01/04/13	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>10</b>	<3.0		
07/05/13	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>4.2</b>	<3.0		
01/21/14	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>4.1</b>	<3.0		
07/09/14	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>4.7</b>	<3.0		
01/19/15	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>6.4</b>	<3.0		
07/08/15	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>5.0</b>	<3.0		
01/14/16	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>4.9</b>	<3.0		
07/06/16	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>3.0</b>	<3.0		
01/16/17	<b>0.6</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>6.2</b>	<3.0		
07/11/17	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>3.0</b>	<3.0		
01/09/18	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>4.6</b>	<3.0		
07/11/18	<b>0.41</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>8.0</b>	<3.0		
01/21/19	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>3.1</b>	<3.0		
07/25/19	<b>0.22</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>3.7</b>	<3.0		
01/13/20	<b>0.25</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>5.4</b>	<3.0		
07/07/20	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>3.5</b>	<3.0		
01/11/21	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>2.4</b>	<3.0		
07/07/21	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>4.5</b>	<3.0		
01/13/22	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>3.6</b>	<3.0		
07/06/22	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>1.9</b>	<3.0		
01/10/23	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0 Q	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>2.7</b>	<3.0		
07/06/23	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>2.3</b>	<3.0		

Notes: Prepared By: T. Dushek, 7/31/23 Checked By: A. Voit, 10/11/23

- 1.) All units are in ug/L.
- 2.) Bold Values indicate detections
- 3.) J = Estimated Value
- 4.) M = Matrix spike and/or Matrix Spike duplicate recovery outside acceptance limits.
- 5.) Q = Laboratory Control Sample outside acceptance limits.
- 6.) Y = Replicate/Duplicate precision outside acceptance limits.
- 7.) V = Raised quantitation or reporting limit due to limited sample amount or dilution for matrix background interference.

Phenolics - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W26-W26R

Date	2,3,4,6-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	3&4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Chloro-3-Methylphenol	4-Nitrophenol	Dinoseb	Pentachlorophenol	Phenol
02/25/92		<10		<10	<5	<5	<10		<5		<b>25.7</b>		<10	<5			<b>22,300</b>	<5
06/14/92		<b>69.9</b>		<10.5	<5.26	<5.26	<1.05		<0.526		<5.26		<1.05	<5.26			<b>26,100</b>	<0.526
09/17/92		<b>74</b>		<1	<b>177</b>	<0.5	<1		<b>5.74</b>		<b>110</b>		<1	<0.5			<b>31,700</b>	<0.5
12/18/92		<b>40.6</b>		<1	<0.5	<0.5	<1		<0.5		<b>71.2</b>		<1	<0.5			<b>45,100</b>	<b>152</b>
03/24/93		<10		<3	<1	<1	<3000		<1		<1		<5	<5			<b>30,400</b>	<1
06/30/93	<b>1,600</b>		<200	<100	<b>130</b>	<100	450	<100	<100	<100	<100	<200	<100	<100	<200	<100	<b>16,000</b>	
12/27/93	<b>1,600</b>		<b>380</b>	<100	<100	<100	<200	<100	<100	<100	<100	<200	<100	<100	<200	<100	<b>3,500</b>	
04/25/94	<b>4,800</b>		<2000	<1000	<1000	<1000	<2000	<1000	<1000	<1000	<2000	<2000	<1000	<1000	<2000	<1000	<b>32,000</b>	
06/22/94	<b>2,900</b>		<b>690</b>	<b>1,100</b>	<b>250</b>	<100	<b>480</b>	<b>270</b>		<100	<b>180</b>	<200	<100	<b>280</b>	<b>230</b>	<100	<b>6,400</b>	
10/04/94	<b>4,100</b>		<500	<250	<b>450</b>	<250	<500	<250	<250	<250	<250	<500	<250	<250	<500	<250	<b>12,000</b>	
03/09/95	<1000		<2000	<1000	<1000	<1000	<2000	<1000	<1000	<1000	<1000	<2000	<1000	<1000	2900	<1000	<b>14,000</b>	
07/06/95	<b>7,600</b>		<10	<10	<10	<10	<50	<10	<10	<10	<20	<50	<20	<50	<25	<5000	<10	
09/13/95	<1000		<1000	<b>1,100</b>	<1000	<1000	<2000	<1000	<1000	<1000	<2000	<b>2,900</b>	<1000	<2000	<1000	<b>4,000</b>	<1000	
03/21/96	<2000		<2000	<2000	<2000	<2000	<4000	<2000	<2000	<2000	<4000	<2000	<2000	<4000	<2000	<b>8,200</b>	<2000	
07/09/96	<5000		<5000	<5000	<5000	<10000	<5000	<10000	<5000	<5000	<10000	<5000	<5000	<10000	<5000	<b>1,800</b>	<5000	
09/25/96	<b>2,950</b>		<7.3	<b>87</b>	<8	<15	<7.2	<8.7	<12	<7.9	<15	<17	<7.5	<b>54</b>	<7.4	<8.5	<b>17,300</b>	<10
07/11/97	<b>5,100</b>		<0.453	<0.469	<0.344	<0.148	<0.269	<0.397	<0.194	<0.252	<0.104	<0.128	<0.362	<0.105	<0.351		<b>47,000</b>	<b>1,100</b>
01/02/98	<0.182		<0.453	<0.469	<0.344	<0.148	<0.269	<0.397	<0.194	<0.252	<0.104	<0.128	<0.362	<0.105	<0.351		<b>14,000</b>	<0.127
06/24/98	<b>1,600</b>		<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500		<b>15,000</b>	<1500
01/27/99																	<b>18,000</b>	
06/09/99	<1500		<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500		<b>4,600</b>	<1500
01/11/00	<1500		<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500		<b>12,500</b>	<1500
07/18/00	<1500		<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<b>1,600</b>		<b>23,000</b>	<1500
01/31/01	<15		<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15		<b>210</b>	<15
07/11/01	<b>1,100</b>		<150	<150	<150	<150	<150	<150	<150	<150	<150	<150	<150	<150	<150		<b>6,500</b>	<150
01/15/02	<b>260</b>		<150	<150	<150	<150	<150	<150	<150	<150	<150	<150	<150	<150	<150		<b>1,500</b>	<150
08/06/02	<b>890</b>		<600	<600	<600	<600	<600	<600	<600	<600	<600	<600	<600	<600	<600		<b>6,800</b>	<600
01/14/03	<b>300</b>		<60	<60	<60	<60	<60	<60	<60	<60	<60	<60	<60	<60	<60		<b>2,700</b>	<60
07/24/03	<b>190</b>		<60	<60	<60	<60	<60	<60	<60	<60	<60	<60	<60	<60	<60		<b>1,800</b>	<60
01/21/04	<300J		<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300		<b>3,600</b>	<300J
07/13/04	<60J		<60	<60	<60	<60	<80	<60	<60	<60	<60	<60	<60	<60	<80		<b>1,900</b>	<60
01/20/05	<300 V		<300 V	<300 V	<300 V	<300 V	<300 V	<300 V	<300 V	<300 V	<300 V	<300 V	<300 V	<300 V	<300 V		<b>2000 V</b>	<300 V
07/20/05	<300 V		<300 V	<300 V	<300 V	<300 V	<300 V	<300 V	<300 V	<300 V	<300 V	<300 V	<300 V	<300 V	<300 V		<b>1900 V</b>	<300 V
01/17/06	<b>360 V</b>		<300 V	<300 V	<300 V	<300 V	<300 V	<300 V	<300 V	<300 V	<300 V	<300 V	<300 V	<300 V	<300 V		<b>2800 V</b>	<300 V
07/20/06	<b>320</b>		<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300		<b>2,400</b>	<300
01/23/07	<b>120</b>		<60	<60	<60	<60	<60	<60	<60	<b>72</b>	<60	<60	<60	<60	<60		<b>960</b>	<60
07/10/07	<b>160</b>		<30	<35	<24	<18	<36	<45	<25	<11	<22	<19	<26	<11	<21		<b>1,200</b>	<9.1
7/10/2007 Duplicate	<b>160</b>		<35	<41	<28	<21	<42	<54	<29	<13	<26	<23	<31	<13	<25		<b>1,200</b>	<11
01/28/08	<b>290</b>		<80	<94	<63	<48	<97	<120	<67	<29	<59	<52	<71	<30	<58		<b>3,700</b>	<24
01/28/08 Duplicate	<b>380</b>		<81	<96	<64	<48	<98	<120	<67	<29	<60	<53	<72	<30	<58		<b>4,600</b>	<25
07/24/08	<b>680</b>		<170	<180	<130	<250	<340	<190	<140	<180	<130	<140	<200	<230	<130		<b>6,500</b>	<65
01/20/09	<b>42</b>		<17	<18	<13	<25	<34	<190	<14	<18	<13	<14	<20	<23	<13		<b>840</b>	<6.5
07/07/09	<b>8.5</b>		<8.1	<8.8	<6.2	<12	<16	<9.4	<6.9	<8.9	<6.1	<6.8	<9.5	<11	<6.3		<b>190</b>	<3.2
7/7/2009 Duplicate	<b>8.6</b>		<8.0	<8.7	<6.2	<12	<16	<9.3	<6.9	<8.8	<6.1	<6.8	<9.4	<11	<6.3		<b>190</b>	<3.1
01/18/10	<b>99</b>		<8.4	<9.1	<6.5	<13	<17	<9.8	<7.2	<9.3	<6.4	<7.1	<9.9	<12	<6.6		<b>1,600</b>	<3.3
07/15/10	<b>380</b>		<11	<10	<10	<8.4	<15	<12	<8.9	<8.8	<9.2	<14	<16	<7.8	<11		<b>2,900</b>	<4.9



Phenolics - Historical Data  
WAULECO, INC - Wausau Facility  
Well - W26-W26R

Date	2,3,4,6-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	3&4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Chloro-3-Methylphenol	4-Nitrophenol	Dinoseb	Pentachlorophenol	Phenol
01/25/11	<b>60</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>640</b>	<3.0
04/06/11																	<b>680</b>	
07/20/11	<110		<1.1	<1.0	<1.0	<0.84	<1.5	<1.2	<0.89	<0.88	<0.92	<1.4	<1.6	<0.78	<1.1		<b>1100</b>	<0.49
7/20/2011 Duplicate	<110		<1.1	<1.0	<1.0	<0.85	<1.6	<1.3	<0.91	<0.90	<0.94	<1.5	<1.7	<0.79	<1.1		<b>1100</b>	<0.50
10/03/11																	<b>750</b>	
01/23/12	<b>27</b>		<23	<21	<21	<17	<31	<25	<18	<18	<19	<29	<33	<16	<23		<b>460</b>	<9.9
04/03/12																	<b>580</b>	
07/10/12	<b>40 V</b>		<11 V	<10 V	<10 V	<8.3 V	<15 V	<12 V	<8.8 V	<8.7 V	<9.1 V	<14 V	<16 V	<7.7 V	<11 V		<b>540 V</b>	<4.8 V
01/04/13	<b>42</b>		<12	<11	<11	<8.6	<16	<13	<9.2	<9.1	<9.5	<15	<17	<8	<12		<b>560</b>	<5.1
07/02/13	<22		<22	<20	<20	<17	<30	<24	<18	<17	<18	<28	<32	<15	<22		<b>120</b>	<9.7
01/22/14	<11		<11	<10	<10	<8.5	<15	<12	<9	<8.9	<9.3	<14	<16	<7.8	<11		<b>59</b>	<4.9
07/07/14	<b>2.9</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>33</b>	<3.0
01/15/15	<b>11</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>92</b>	<3.0
07/09/15	<b>170</b>		<3.0	<3.0	<3.0	<3.0	<7.7	<3.0	<3.0	<3.0	<3.0	<3.0	<3.1	<3.0	<3.1		<b>2,000</b>	<3.0
01/13/16	<b>27</b>		<3.0	<3.0	<3.0	<3.0	<7.7	<3.0	<3.0	<3.0	<3.0	<3.0	<3.1	<3.0	<3.1		<b>260</b>	<3.0
07/07/16	<b>46</b>		<3.0	<5.1	<3.0	<3.0	<3.0	<4.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>570</b>	<3.0
01/16/17	<b>69</b>		<3.0	<10	<3.0	<4.0	<5.8	<8.0	<3.0	<3.0	<3.0	<3.4	<6.0	<3.0	<4.0		<b>830</b>	<4.8
07/17/17	<b>2.0</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>19</b>	<3.0
01/10/18	<b>19</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>270</b>	<3.0
07/12/18	<b>0.99</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>4.5</b>	<3.0
01/24/19	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>6.8</b>	<3.0
07/15/19	<b>120</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>1,800</b>	<3.0
01/13/20	<b>190 Q</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>2,600</b>	<3.0
07/14/20	<b>43</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>720</b>	<3.0
10/05/20																	<b>490</b>	
10/5/2020 Duplicate																	<b>500</b>	
01/11/21	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>630</b>	<3.0
04/13/21																	<b>500</b>	
07/12/21	<b>2.1</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>39</b>	<3.0
10/18/21																	<b>100</b>	
01/17/22	<b>27</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>320</b>	<3.0
04/12/22																	<b>160</b>	
07/11/22	<b>5</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>75</b>	<3.0
01/09/23	<b>4.4</b>		<3.0	<3.0	<3.0	<3.0	<3.0 Q	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>51</b>	<3.0
07/06/23	<b>6.5</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>110</b>	<3.0

Notes:

Prepared By: T. Dushek, 7/31/23

Checked By: A. Voit, 10/11/23

- 1.) All units are in ug/L.
- 2.) Bold Values indicate detections
- 3.) J = Estimated Value
- 4.) M = Matrix spike and/or Matrix Spike duplicate recovery outside acceptance limits.
- 5.) Q = Laboratory Control Sample outside acceptance limits.
- 6.) Y = Replicate/Duplicate precision outside acceptance limits.
- 7.) V = Raised quantitation or reporting limit due to limited sample amount or dilution for matrix background interference.

Phenolics - Historical Data  
WAULECO, INC - Wausau Facility  
Well - W27

Date	2,3,4,6-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	3&4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Chloro-3-Methylphenol	4-Nitrophenol	Dimoseb	Pentachlorophenol	Phenol
06/24/92		<b>23.5</b>		<10.5	<5.26	<5.26	<10.5		<5.26		<b>32.3</b>		<10.5	<b>15.7</b>	<10.5		<b>16,600</b>	<b>74.4</b>
12/17/92		<1		<1	<b>19</b>	<b>7.9</b>	<1		<0.5		<0.5		<1	<b>81.2</b>	<1		<b>21,300</b>	<b>105</b>
06/30/93	<b>710</b>		<200	<100	<100	<100	<200	<100		<100	<100	<200	<100	<100	<100	<100	<b>10,000</b>	
12/28/93	<b>3,000</b>		<b>400</b>	<100	<b>320</b>	<100	<200	<100		<b>110</b>	<100	<200	<b>370</b>	<100	<200	<100	<b>30,000</b>	
06/22/94	<b>3,000</b>		<b>210</b>	<b>980</b>	<b>150</b>	<100	<b>250</b>	<100		<100	<100	<200	<100	<b>270</b>	<b>340</b>	<100	<b>33,000</b>	
07/06/95	<1300		<500	<500	<500	<500	<2500		<500	<500	<500	<1000	<2500	<1000	<2500	<1300	<b>7,700</b>	<500
07/09/96	<10000		<10000	<10000	<10000	<10000	<20000	<10000	<10000	<10000	<10000	<20000	<10000	<10000	<20000	<10000	<b>3,900</b>	<10000
07/11/97	<0.182		<0.453	<0.469	<0.344	<0.148	<0.269	<0.397	<0.194	<0.252	<0.104	<0.128	<0.362	<0.105	<0.351		<b>25,000</b>	<b>530</b>
06/24/98	<3000		<3000	<3000	<3000	<3000	<3000	<3000	<3000	<3000	<3000	<3000	<3000	<3000	<3000		<b>16,000</b>	<3000
06/08/99	<3000		<3000	<3000	<3000	<3000	<3000	<3000	<3000	<3000	<3000	<3000	<3000	<3000	<3000		<b>14,000</b>	<3000
07/18/00	<b>1,125</b>		<b>800</b>	<150	<150	<150	<b>600</b>	<150	<150	<150	<150	<150	<150	<150	<150		<b>13,000</b>	<b>755</b>
01/31/01	<1500		<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500		<b>16,000</b>	<1500
07/11/01	<b>530</b>		<60	<60	<60	<60	<60	<60	<60	<60	<60	<60	<b>90</b>	<60	<60		<b>5,200</b>	<60
08/06/02	<b>760</b>		<600	<600	<600	<600	<600	<600	<600	<600	<600	<600	<600	<600	<600		<b>7,000</b>	<600
07/22/03	<b>320</b>		<150	<b>340</b>	<150	<150	<150	<150	<150	<150	<150	<150	<150	<150	<150		<b>4,900</b>	<150
07/13/04	<b>30J</b>		<b>61</b>	<b>190</b>	<30	<30	<b>99</b>	<30J	<30	<b>30J</b>	<30	<30J	<30J	<30J	<30J		<b>7,400</b>	<b>110</b>
07/19/05	<600 V		<600 V	<600 V	<600 V	<600 V	<600 V	<600 V	<600 V	<600 V	<600 V	<600 V	<600 V	<600 V	<600 V		<b>4500 V</b>	<600 V
07/19/06	<300		<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300		<b>3,500</b>	<300
07/10/07	<b>520</b>		<79	<93	<63	<47	<96	<120	<66	<29	<58	<52	<70	<30	<57		<b>5,500</b>	<24
07/23/08	<b>650</b>		<170	<180	<130	<260	<340	<200	<150	<190	<130	<140	<200	<240	<130		<b>7,800</b>	<67
07/07/09	<b>510</b>		<160	<180	<120	<240	<330	<190	<140	<180	<120	<140	<190	<220	<130		<b>6,200</b>	<63
07/14/10	<b>640</b>		<12	<11	<11	<8.9	<16 M	<13	<9.5	<9.3	<9.8 M	<15	<17	<8.3	<12 M		<b>9,600</b>	<5.2
7/14/2010 Duplicate	<b>700</b>		<12	<11	<11	<8.7	<16	<13	<9.3	<9.1	<9.6	<15	<17	<8.1	<12		<b>10,000</b>	<5.1
07/25/11	<b>290</b>		<1.1	<1.0	<1.0	<0.85	<1.5	<1.2	<0.90	<0.89	<0.93	<1.4	<1.6	<0.78	<1.1		<b>3,500</b>	<0.49
07/10/12	<b>580</b>		<5.6	<5.1	<5.1	<4.2	<7.7	<6.1	<4.4	<4.4	<4.6	<7.1	<8.2	<3.9	<5.6		<b>9,200</b>	<b>5.1</b>
07/05/13	<b>460</b>		<57	<52	<52	<43	<78	<63	<45	<45	<47	<73	<83	<40	<57		<b>6,400</b>	<25
07/09/14	<b>270</b>		<110	<100	<100	<85	<160	<130	<91	<90	<94	<150	<170	<79	<110		<b>4,600</b>	<50
07/09/15	<b>330</b>		<26	<6.2	<26	<9.3	<77	<21	<6.2	<21	<14	<21	<31	<14	<31		<b>4,300</b>	<6.7
07/11/16	<b>350</b>		<12	<51	<13	<20	<30	<41	<12	<15	<12	<17	<31	<14	<20		<b>5,200</b>	<24
07/18/17	<b>250</b>		<12	<52	<13	<21	<30	<41	<12	<15	<12	<18	<31	<14	<21		<b>3,700</b>	<25
7/18/2017 Duplicate	<b>290</b>		<12	<51	<13	<20	<30	<41	<12	<15	<12	<17	<31	<14	<20		<b>3,800</b>	<24
07/18/18	<b>520 Q</b>		<22	<20	<25	<19	<28	<20	<23	<19	<20	<22	<29	<21	<23		<b>5,200</b>	<25
07/18/19	<b>530</b>		<47	<43	<53	<41 Q	<59	<43	<49	<41	<43	<47	<61	<45	<49		<b>4,900</b>	<53
7/18/2019 Duplicate	<b>490</b>		<46	<42	<53	<40 Q	<59	<42	<48	<40	<42	<46	<61	<44	<48		<b>4,700</b>	<53
07/16/20	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>5,600</b>	<3.0
10/05/20																	<b>2,400</b>	
01/12/21																	<b>2,700</b>	
04/13/21																	<b>1,800</b>	
4/13/2021 Duplicate																	<b>1,900</b>	
07/12/21	<b>220</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>2,900</b>	<3.0
10/18/21																	<b>1,900</b>	
10/18/21 Duplicate																	<b>2,000</b>	

Phenolics - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W27

Date	2,3,4,6-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	3&4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Chloro-3-Methylphenol	4-Nitrophenol	Dimoseb	Pentachlorophenol	Phenol
01/18/22																	<b>1,700</b>	
04/12/22																	<b>1,500</b>	
4/12/2022 Duplicate																	<b>1,600</b>	
07/12/22	<b>240</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>3,500</b>	<3.0
7/12/2022 Duplicate	<b>240</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>3,600</b>	<3.0
07/11/23	<b>150</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>3,000</b>	<3.0

Notes: Prepared By: T. Dushek, 7/31/23 Checked By: A. Voit, 10/11/23

- 1.) All units are in ug/L.
- 2.) Bold Values indicate detections
- 3.) J = Estimated Value
- 4.) M = Matrix spike and/or Matrix Spike duplicate recovery outside acceptance limits.
- 5.) Q = Laboratory Control Sample outside acceptance limits.
- 6.) Y = Replicate/Duplicate precision outside acceptance limits.
- 7.) V = Raised quantitation o Checked By: A. Voit, 11/24/21

Phenolics - Historical Data  
WAULECO, INC - Wausau Facility  
Well - W28

Date	2,3,4,6-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	3&4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Chloro-3-Methylphenol	4-Nitrophenol	Dimoseb	Pentachlorophenol	Phenol
01/08/87																	350	
06/04/87																	887	
09/03/87																	488	
12/03/87																	2710	
03/03/88																	10000	
04/07/88																	6480	
08/10/88																	1100	
11/15/88																	466	
01/26/89																	1750	
04/27/89																	3670	
07/27/89																	57.4	
10/26/89																	226	
01/25/90																	301	
05/03/90																	4460	
09/20/90																	2260	
12/11/90																	2120	
01/29/91																	3150	
05/01/91																	4600	
06/18/91																	4600	
10/08/91																	4270	
07/08/92		<1.49		<1.49	<0.746	<0.746	<1.49		<0.746		<0.746		<1.49	<0.746	<1.49		793	<0.746
12/17/92		4.29		2.62	<0.5	<0.5	<1		<0.5		<0.5		<1	<0.5	<1		6640	3.15
06/29/93	120		<20	<10	<10	<10	<20	<10		<10	<10	<20	<10	<10	<20	<10	2300	
12/28/93	46		<20	<10	<10	<10	<20	<10		<10	<10	<20	<10	<10	<20	<10	800	
06/22/94	53		<20	<10	<10	<10	<20	<10		<10	<10	<20	<10	<10	<20	<10	660	
07/05/95	87		<10	<10	<10	<10	<50		<10	<10	<10	<20	<50	<20	<50	<25	380	<10
07/09/96	<100		<100	<100	<100	<100	<200	<100	<100	<100	<100	<200	<100	<100	<200	<100	83	<100
07/11/97	<0.182		<0.453	<0.469	<0.344	<0.148	<0.269	<0.397	<0.194	<0.252	<0.104	<0.128	<0.362	<0.105	<0.351		150	<0.127
06/24/98	<6		<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6		61	<6
06/08/99	<15		<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15		34	<15
07/18/00	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		4.6	<3.0
01/30/01	<3.0		<60	<3.0	<3.0	<3.0	<60	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		360	<3.0
07/10/01	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		6.2	<3.0

Phenolics - Historical Data  
WAULECO, INC - Wausau Facility  
Well - W28

Date	2,3,4,6-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	3&4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Chloro-3-Methylphenol	4-Nitrophenol	Dimoseb	Pentachlorophenol	Phenol
08/06/02	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/23/03	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/12/04	<3.0		<3.0	<3.0	<3.0	<3.0	<4.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<4.0		<b>5.8</b>	<3.0	
07/18/05	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>31</b>	<3.0	
07/18/06	<b>39</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>27</b>	<3.0	
07/10/07	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/23/08	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/07/09	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/13/10	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
04/05/11																<b>31</b>		
07/18/11	<1.2		<1.2	<1.1	<1.1	<0.86	<1.6 Q	<1.3	<0.92	<0.91	<0.95	<1.5	<1.7 Q	<0.80	<1.2	<1.2 Q	<0.51	
10/03/11																<3.0		
01/17/12	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
04/03/12																<b>28</b>		
07/19/12	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>1.9</b>	<3.0	
07/02/13	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/10/14	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>1.1</b>	<3.0	
07/07/15	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/06/16	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>0.45</b>	<3.0	
07/11/17	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/11/18	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>2.5</b>	<3.0	
07/08/19	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/07/20	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>2</b>	<3.0	
07/06/21	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/06/22	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/05/23	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	

Notes:

Prepared By: T. Dushek, 7/31/23

Checked By: A. Voit, 10/11/23

- 1.) All units are in ug/L.
- 2.) Bold Values indicate detections
- 3.) J = Estimated Value
- 4.) M = Matrix spike and/or Matrix Spike duplicate recovery outside acceptance limits.
- 5.) Q = Laboratory Control Sample outside acceptance limits.
- 6.) Y = Replicate/Duplicate precision outside acceptance limits.
- 7.) V = Raised quantitation or reporting limit due to limited sample amount or dilution for matrix background interference.

Phenolics - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W29-W29R

Date	2,3,4,6-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	3&4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Chloro-3-Methylphenol	4-Nitrophenol	Dinoseb	Pentachlorophenol	Phenol
01/08/87																	10,300	
06/04/87																	33,900	
09/03/87																	12,700	
12/03/87																	18,600	
03/03/88																	16,400	
04/07/88																	560	
08/10/88																	1,600	
11/15/88																	12,800	
01/26/89																	19,000	
04/27/89																	16,500	
07/27/89																	12,700	
10/26/89																	8,520	
01/25/90																	4,960	
05/03/90																	37	
09/21/90																	1,420	
12/11/90																	921	
01/30/91																	373	
05/01/91																	419	
06/25/92		<1.02		<1.02	<0.51	<0.51	<1.02		<0.51		<0.51		<1.02	<0.51	<1.02		120	0.714
12/18/92		<1		<1	<0.5	<0.5	<1		<0.5		<0.5		<1	<0.5	<1		1,100	3.31
06/30/93	<1		<1	<1	<1	<10	<1	<1		<10	<1	<20	<1	<10	<1	<1	65	
12/28/93	81		66	<10	<10	<10	<20	<10		<10	<10	<20	<10	<10	<20	<10	440	
06/22/94	31		30	21	<10	<10	<20	<10		<10	<10	<20	<10	<10	<20	<10	120	
07/05/95	140		<10	<10	<10	<10	<50		<10	<10	<10	<20	<50	<20	<50	<25	210	<10
07/09/96	<10		93	60	24	<10	73	<10	<10	<10	<10	<20	450	24	55	<10	2,300	38
07/11/97	<0.182		<0.453	<0.469	<0.344	<0.148	<0.269	<0.397	<0.194	<0.252	<0.104	<0.128	<0.362	<0.105	<0.351		1,500	<0.127
06/23/98	<600		<600	<600	<600	<600	<600	<600	<600	<600	<600	<600	<600	<600	<600		5,500	<600
06/08/99	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/18/00	<3		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	6.2		19	<3
01/30/01	<3.0		3.5	<3.0	<3.0	<3.0	5.5	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		3.7	<3.0
07/11/01	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		7.2	<3.0
08/06/02	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		16	<3.0
07/24/03	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		18	<3.0
07/13/04	<3.0		<3.0	<3.0	4.4	<3.0	<4.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<4.0		32	<3.0
07/20/05	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		12	<3.0
07/19/06	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		16	<3.0
07/10/07	68		5.1	<5.1	<3.4	<3.0	<5.2	<6.5	<3.6	<3.0	<3.2	<3.0	<3.8	<3.0	<3.1		260	<3.0

Phenolics - Historical Data  
WAULECO, INC - Wausau Facility  
Well - W29-W29R

Date	2,3,4,6-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	3&4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Chloro-3-Methylphenol	4-Nitrophenol	Dinoseb	Pentachlorophenol	Phenol
07/24/08 7/24/2008 Duplicate	<b>4.7</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>6.8</b>	<3.0
07/07/09	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>7.2</b>	<3.0
07/14/10	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>50</b>	<3.0
07/19/11	<b>180</b>		<1.1	<1.0	<1.0	<0.83	<1.5	<1.2	<0.88	<0.87	<0.91	<1.4	<1.6	<0.77	<1.1		<b>1,700</b>	<0.48
07/09/12	<b>200 V</b>		<11 V	<10 V	<10 V	<8.4 V	<15 V	<12 V	<8.9 V	<8.8 V	<9.2 V	<14 V	<16 V	<7.8 V	<11 V		<b>1,800 V</b>	<4.9 V
07/02/13	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>6.4</b>	<3.0
07/07/14	<b>80</b>		<57	<52	<52	<42	<77	<62	<45	<44	<46	<72	<82	<39	<57		<b>690</b>	<25
07/07/15	<b>300</b>		<52	<13	<52	<19	<160	<42	<13	<42	<29	<42	<63	<28	<63		<b>3,300</b>	<14
07/11/16 7/11/2016 Duplicate	<b>710</b>		<12	<51	<13	<20	<29	<40	<12	<15	<12	<17	<30	<14	<20		<b>6,600</b>	<24
07/17/17	<b>490</b>		<12	<50	<13	<20	<29	<40	<12	<15	<12	<17	<30	<14	<20		<b>5,100</b>	<24
07/19/18 7/19/2018 Duplicate	<b>68 Q</b>		<23	<21	<26	<20	<29	<21	<24	<20	<21	<23	<30	<22	<24		<b>1,100</b>	<26
07/16/19	<b>87</b>		<12	<11	<13	<10 Q	<15	<11	<12	<10	<11	<12	<15	<11	<12		<b>410</b>	<13
07/07/20 10/05/20	<b>240</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>1,600</b>	<3.0
01/12/21 04/12/21 07/12/21 10/18/21	<b>35</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>12</b>	<3.0
01/13/22 04/12/22 07/11/22	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>4</b>	<3.0
07/06/23	<b>4.6</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>24</b>	<3.0

Notes: Prepared By: T. Dushek, 7/31/23 Checked By: A. Voit, 10/11/23

- 1.) All units are in ug/L.
- 2.) Bold Values indicate detections
- 3.) J = Estimated Value
- 4.) M = Matrix spike and/or Matrix Spike duplicate recovery outside acceptance limits.
- 5.) Q = Laboratory Control Sample outside acceptance limits.
- 6.) Y = Replicate/Duplicate precision outside acceptance limits.
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Phenolics - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W32

Date	2,3,4,6-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	3&4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Chloro-3-Methylphenol	4-Nitrophenol	Dinoseb	Pentachlorophenol	Phenol
01/08/87																	<1	
06/04/87																	<1	
09/03/87																	<1	
12/03/87																	<1	
03/03/88																	<1	
04/07/88																	<1	
08/10/88																	<b>1.45</b>	
11/15/88																	<1	
01/26/89																	<1	
04/27/89																	<1	
07/27/89																	<1	
10/26/89																	<1	
01/25/90																	<b>1.67</b>	
05/03/90																	<b>1.14</b>	
09/21/90																	<b>2.13</b>	
12/11/90																	<1	
01/30/91																	<b>8.36</b>	
05/01/91																	<1	
06/19/91																	<b>1.33</b>	
10/08/91																	<b>3.61</b>	
06/24/92		<1.02		<1.02	<0.51	<0.51	<b>2.05</b>		<0.51		<0.51		<1.02	<0.51	<1.02		<b>2.08</b>	<b>0.583</b>
12/19/92		<1		<1	<0.5	<0.5	<1		<0.5		<0.5		<1	<0.5	<1		<1	<0.5
06/29/93	<1		<1	<1	<1	<10	<1	<1	<10	<1	<10	<20	<1	<10	<1	<1	<1	
12/28/93	<10		<20	<10	<10	<10	<20	<10	<10	<10	<10	<20	<10	<10	<20	<10	<b>10</b>	
06/22/94	<10		<20	<10	<10	<10	<20	<10	<10	<10	<10	<20	<10	<10	<20	<10	<b>15</b>	
07/05/95	<25		<10	<10	<10	<10	<50		<10	<10	<10	<20	<50	<20	<50	<25	<50	<10
07/08/96	<10		<10	<10	<10	<10	<20	<10	<10	<10	<10	<20	<10	<10	<20	<10	<b>5.1</b>	<10
07/11/97	<0.182		<0.453	<0.469	<0.344	<0.148	<0.269	<0.397	<0.194	<0.252	5.6	<0.128	<0.362	<0.105	<0.351		<b>7.2</b>	<0.127
06/23/98	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>7.9</b>	<3.0
06/07/99	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/17/00	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<b>4.2</b>		<3	<3.0
01/30/01	<3.0		<b>13</b>	<3.0	<3.0	<3.0	<b>15</b>	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<b>5.7</b>		<3.0	<3.0
07/10/01	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0



Phenolics - Historical Data  
WAULECO, INC - Wausau Facility  
Well - W32

Date	2,3,4,6-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	3&4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Chloro-3-Methylphenol	4-Nitrophenol	Dinoseb	Pentachlorophenol	Phenol
08/06/02	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/24/03	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0	
07/13/04	<3.0		<3.0	<3.0	<3.0	<3.0	<4.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<4.0		<3.0	<3.0
07/20/05	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/18/06	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>3.3</b>	<3.0
07/09/07	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/22/08	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/07/09	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/14/10	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/18/11	<1.1		<1.1	<1.0	<1.0	<0.84	<1.5 Q	<1.2	<0.89	<0.88	<0.92	<1.4	<1.6 Q	<0.78	<1.1		<1.1 Q	<0.49
07/09/12	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/01/13	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/07/14	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/06/15	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/05/16	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/10/17	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/10/18	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/08/19	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/06/20	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
10/05/20																	<3.0	
01/11/21																	<3.0	
04/12/21																	<3.0	
07/07/21	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
10/18/21																	<3.0	
01/11/22																	<3.0	
04/12/22																	<3.0	
07/05/22	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/05/23	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0

Notes:

Prepared By: T. Dushek, 7/31/23

Checked By: A. Voit, 10/11/23

- 1.) All units are in ug/L.
- 2.) Bold Values indicate detections
- 3.) J = Estimated Value
- 4.) M = Matrix spike and/or Matrix Spike duplicate recovery outside acceptance limits.
- 5.) Q = Laboratory Control Sample outside acceptance limits.
- 6.) Y = Replicate/Duplicate precision outside acceptance limits.
- 7.) V = Raised quantitation or reporting limit due to limited sample amount or dilution for matrix background interference.

Phenolics - Historical Data  
WAULECO, INC - Wausau Facility  
Well - W33

Date	2,3,4,6-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	3&4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Chloro-3-Methylphenol	4-Nitrophenol	Pentachlorophenol	Phenol
08/07/02	2,000		<750	<750	<750	1,000	<750	880	6,500	6,100	2,300	3,000	<750	<750	<750	9,600	7,100
07/24/03	4,000		<1500	<1500	1600	<1500	<1500	<1500	<1500	3,300	1,600	2,900	<1500	<1500	<1500	13,000	<1500
07/14/04	<1500		<1500	<1500	3900	1500J	4,000	<1500	<1500	9,000	3,300	6,200	<1500	<1500	<2000	28,000	23,000
07/21/05	1400 V		<600 V	<600 V	<600 V	<600 V	<600 V	<600 V	6200 V	2800 V	16000 V	2400 V	600 V	<600 V	<600 V	8600 V	<600 V
01/23/07	5,700		<3000	<3000	<3000	<3000	<3000	<3000	<3000	7,300	66,000	<3000	<3000	<3000	<3000	30,000	33,000
07/11/07	3,100		<410	<490	<330	<250	<500	<630	<340	<150	<300	<270	<370	<160	<300	18,000	<130
07/24/08	1,900		<450	<490	<350	<680	<910	<520	<390	<490	<340	<380	<530	<630	<350	16,000	<180
07/07/09	900		<160	<170	<120	<240	<320	<190	<140	<180	<120	<140	<190	<220	<130	7,200	<63
01/19/10	630		<160	<180	<130	<250	<330	<190	<140	<180	<120	<140	<190	<230	<130	2,500	<64
07/15/10	970		<220	<200	<200	<160	<300	<240	<170	<170	<180	<280	<320	<150	<220	7,200	<96
01/26/11	580		<230	<210	<210	<170	<320	<250	<180	<180	<190	<290	<340 Q	<160	<230	5,700	<100
07/25/11	150		<1.1	<1.0	<1.0	<0.83	<1.5	<1.2	<0.88	<0.87	<0.91	<1.4	<1.6	<0.77	<1.1	2,100	<0.48
01/23/12	990		<57	<52	<52	<42	<77	<62	<45	<44	<46	<72	<82	<39	<57	9,100	<25
07/09/12	530		<12	<11	<11	<8.8	<16	<13	<9.4	<9.2	<9.7	<15	<17	<8.2	<12	3,700	<5.2
01/08/13	1,000		<220	<200	<200	<170	<310	<240	<180	<180	<180	<290	<330	<160	<220	7,800	<98
07/08/13	360		<220	<200	<200	<170	<300	<240	<180	<170	<180	<280	<320	<150	<220	3,000	<97
01/22/14	760		<230	<210	<210	<170	<310	<250	<180	<180	<190	<290	<330	<160	<230	5,900	<99
07/07/14	370		<230	<210	<210	<170	<310	<250	<180	<180	<190	<290	<330	<160	<230	3,200	<99
01/15/15	1,500		<100	<25	<100	<37	<310	<82	<25	<82	<58	<82	<120	<56	<120	8,800	<27
07/09/15	220		<100	<25	<100	<37	<310	<82	<25	<82	<58	<82	<120	<56	<120	1,700	<27
01/14/16	660		<110	<26	<110	<38	<320	<85	<26	<85	<60	<85	<130	<57	<130	4,200	<28
07/12/16	430		<25	<110	<27	<42	<61	<84	<25	<32	<25	<36	<63	<29	<42	3,300	<51
01/19/17	2,000		<48	<200	<53	<81	<120	<160	<48	<61	<48	<69	<120	<57	<81	14,000	<97
07/18/17	1,200		<32	<130	<35	<54	<78	<110	<32	<40	<32	<46	<81	<38	<54	7,400	<65
01/11/18	1,500		<120	<110	<130	<100	<150	<110	<120	<100	<110	<120	<150	<110	<120	10,000	<130
07/19/18	430 Q		<11	<10	<12	<9.5	<14	<10	<11	<9.5	<10	<11	<14	<10	<11	2,800	<12
01/28/19	1,100		<44	<40	<50	<38	<56	<40	<46	<38	<40	<44	<58	<42	<46	8,000	<50
07/15/19	30		<46	<42	<53	<40	<59	<42	<48	<40	<42	<46	<61	<44	<48	1,500	<53
01/14/20	720 Q		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	5,600	<3
07/14/20	260		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	2,400	<3
01/12/21	1,900		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	14,000	<3
07/14/21	43 Q		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	340	<3
01/18/22	560		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	5,400	<3
1/18/2022 Duplicate	580		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	5,400	<3
07/11/22	390		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	3,200	<3
01/11/23	390		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0 Q	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	3,400	<3
07/11/23	640		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	4,000	<3

Notes: Prepared By: T. Dushek, 7/31/23 Checked By: A. Voit, 10/11/23

- 1.) All units are in ug/L.
- 2.) Bold Values indicate detections
- 3.) J = Estimated Value
- 4.) M = Matrix spike and/or Matrix Spike duplicate recovery outside acceptance limits.
- 5.) Q = Laboratory Control Sample outside acceptance limits.
- 6.) Y = Replicate/Duplicate precision outside acceptance limits.
- 7.) V = Raised quantitation or reporting limit due to limited sample amount or dilution for matrix background interference.

Phenolics - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W36

Date	2,3,4,6-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	3&4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Chloro-3-Methylphenol	4-Nitrophenol	Dinoseb	Pentachlorophenol	Phenol
02/20/92		<1		<1	<0.5	<b>22.1</b>	<1		<0.5		<0.5		<1	<0.5	<1		<b>7,180</b>	<0.5
08/03/92		<1		<10	<b>11.3</b>	<0.5	<10		<5		<5		<1	<0.5	<1		<b>14,800</b>	155
09/17/92		<b>26</b>		<1	<b>132</b>	<b>29.2</b>	<b>15.2</b>		<0.5		<b>240</b>		<1	<0.5	<b>67</b>		<b>8,350</b>	<0.5
09/13/95	<1000		<1000	<1000	<1000	<1000	<2000	<1000	<1000	<1000	<1000	<2000	<1000	<1000	<2000	<1000	<b>1,700</b>	<1000
07/10/96	<500		<500	<500	<500	<500	<1000	<500	<500	<500	<1000	<500	<500	<1000	<500		<b>1,800</b>	<500
07/11/97	<b>120</b>		<b>94</b>	<b>71</b>	<b>480</b>	<b>210</b>	<b>660</b>	<b>430</b>	<0.194	<b>1400</b>	<b>1200</b>	<b>440</b>	<0.362	<b>240</b>	<b>110</b>		<b>1,600</b>	<b>1600</b>
01/02/98	<b>57</b>		<0.453	<0.469	<b>310</b>	<b>170</b>	<b>430</b>	<b>230</b>	<0.194	<b>540</b>	<b>420</b>	<b>190</b>	<b>150</b>	<b>160</b>	<0.351		<b>480</b>	<0.127
06/25/98	<30		<30	<30	<30	<30	<30	<30	<b>93</b>	<b>46</b>	<b>52</b>	<30	<30	<30	<30		<b>190</b>	<b>46</b>
01/27/99			<b>30</b>						<b>89</b>	<b>43</b>		<b>33</b>					<b>240</b>	<b>60</b>
06/09/99	<30		<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30		<b>67.0</b>	<30
01/11/00	<30		<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30		<b>280</b>	<30
07/18/00	<3		<3	<3	<b>12.5</b>	<b>4.75</b>	<3	<b>13</b>	<b>32</b>	<b>9.75</b>	<b>52.5</b>	<3	<3	<3	<3		<b>65</b>	<b>62</b>
01/31/01	<30		<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30		<b>360</b>	<30
07/11/01	<b>11</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<b>3.6</b>	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>120</b>	<3.0
01/15/02	<b>5.5</b>		<3.0	<b>3.5</b>	<3.0	<3.0	<3.0	<3.0	<b>12</b>	<b>6.8</b>	<3.0	<b>4.1</b>	<3.0	<3.0	<3.0		<b>43</b>	<b>3.7</b>
08/06/02	<30		<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30		<b>31</b>	<30
01/15/03	<b>14</b>		<3.0	<3.0	<b>5.9</b>	<b>4.2</b>	<b>4.6</b>	<3.0	<3.0	<b>8.9</b>	<3.0	<3.0	<3.0	<3.0	<3.0		<b>140</b>	<3.0
07/22/03	<b>4.2</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<b>3.2</b>	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>43</b>	<b>11</b>
01/21/04	<b>3.1J</b>		<3.0	<3.0	<3.0J	<3.0	<3.0	<3.0	3.9	<b>4.4</b>	<3.0	<3.0	<3.0J	<3.0	<3.0J		<b>45</b>	<b>3</b>
07/14/04	<3.0		<3.0	<3.0	<3.0	<3.0	<4.0	<3.0J	<3.0	<b>5.4</b>	<3.0J	<3.0J	<3.0	<3.0	<4.0		<b>65</b>	<b>22</b>
01/20/05	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<b>5</b>	<3.0	<b>8.2</b>	<b>3.1 J</b>	<3.0	<3.0	<3.0		<b>24</b>	<b>4.5</b>
07/21/05	<b>6.5</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<b>4.9</b>	<3.0	<b>4.9</b>	<b>&lt;3.0</b>	<3.0	<3.0	<3.0		<b>81</b>	<b>21</b>
01/18/06	<b>8.5 V</b>		<6.0 V	<6.0 V	<6.0 V	<6.0 V	<6.0 V	<6.0 V	<6.0 V	<6.0 V	<6.0 V	<6.0 V	<6.0 V	<6.0 V	<6.0 V		<b>89 V</b>	<6.0 V
07/18/06	<6.0		<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0		<b>16</b>	<6.0
01/23/07	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>11</b>	<3.0
07/10/07	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>11</b>	<3.0
7/10/2007 Duplicate	<b>3</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>42</b>	<3.0
01/29/08	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>8.1</b>	<3.0
1/29/2008 Duplicate	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>8.2</b>	<3.0
07/23/08	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>4.1</b>	<3.0
01/20/09	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0Q	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
1/20/2009 Duplicate	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0Q	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/06/09	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
01/18/10	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/14/10	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>8.6</b>	<3.0

Phenolics - Historical Data  
WAULECO, INC - Wausau Facility  
Well - W36

Date	2,3,4,6-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	3&4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Chloro-3-Methylphenol	4-Nitrophenol	Dinoseb	Pentachlorophenol	Phenol
01/24/11	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>3</b>	<3.0
07/19/11	<1.1		<1.1	<1.0	<1.0	<0.84	<1.5	<1.2	<0.89	<0.88	<0.92	<1.4	<1.6	<0.78	<1.1		<b>7.8</b>	<0.49
01/18/12	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/09/12	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>1.1</b>	<3.0
01/07/13	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>1.2</b>	<3.0
07/02/13	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>3.6</b>	<3.0
07/09/14	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>6.8</b>	<3.0
07/07/15	<b>1.1</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>15</b>	<3.0
07/06/16	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>5</b>	<3.0
07/11/17	<b>2.0</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>31</b>	<3.0
07/12/18	<b>2.8</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>29</b>	<3.0
07/09/19	<b>0.74</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>10</b>	<3.0
07/08/20	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>7</b>	<3.0
07/07/21	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>19</b>	<3.0
07/06/22	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>2.4</b>	<3.0
07/06/23	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>3.1</b>	<3.0

Notes:

Prepared By: T. Dushek, 7/31/23

Checked By: A. Voit, 10/11/23

- 1.) All units are in ug/L.
- 2.) Bold Values indicate detections
- 3.) J = Estimated Value
- 4.) M = Matrix spike and/or Matrix Spike duplicate recovery outside acceptance limits.
- 5.) Q = Laboratory Control Sample outside acceptance limits.
- 6.) Y = Replicate/Duplicate precision outside acceptance limits.
- 7.) V = Raised quantitation or reporting limit due to limited sample amount or dilution for matrix background interference.

Phenolics - Historical Data  
WAULECO, INC - Wausau Facility  
Well - W39

Date	2,3,4,6-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	3&4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Chloro-3-Methylphenol	4-Nitrophenol	Dinoseb	Pentachlorophenol	Phenol
06/17/92		360		236	835	569	<10.3		<25.8		<25.8		13.3	33.9	171		9,290	<25.8
12/18/92		403		267	1,710	<50	<100		<50		<50		<100	<50	178		13,900	<50
06/21/94	2,900		1,000	3,500	6,900	2,700	420	1,500		<100	5,200	8,400	310	550	1,300		6,900	
03/10/95	<1000		<2000	<1000	<1000	1,500	<2000	<1000		3,600	10,000	3,100	<1000	<1000	<2000	<1000	<1000	3,700
09/13/95	<1000		<1000	<1000	<1000	1,500	<2000	<1000	<1000	3,300	<1000	<2000	<1000	<1000	<2000	<1000	1,200	<1000
12/18/95	<1000		<1000	<1000	<1000	<1000	<2000	<1000	<1000	2,100	2,800	4,400	<1000	<1000	<2000	<1000	2,400	<1000
03/20/96	<1000		<1000	<1000	1,100	1,500	<2000	<1000	5000	2,300	6,700	<2000	<1000	<1000	<2000	<1000	1,900	6900
07/09/96	<1000		<1000	<1000	<1000	<1000	<2000	<1000	<1000	<1000	<1000	<2000	<1000	<1000	<2000	<1000	170	1000
01/21/97	<7.9		<7.5	<7.3	<8.2	<16	<7.4	<9	<12	<8.1	<16	<18	<7.7	<7.1	<7.6	<8.8	782	<11
07/11/97	<0.182		<0.453	<0.469	2,800	<0.148	<0.269	3,400	<0.194	3,800	3,300	<0.128	<0.362	<0.105	<0.351		2,300	3600
01/02/98	<0.182		<0.453	310	2,600	<0.148	2,400	710	2400	3,800	2,200	<0.128	840	1,200	<0.351		1,100	<0.127
06/24/98	<150		<150	<150	<150	<150	<150	400	640	510	320	<150	<150	<150	<150		830	2800
06/09/99	<150		<150	<150	<150	<150	<150	<150	510	<150	180	<150	<150	<150	<150		1,800	560
07/19/00	<1500		<1500	<1500	3,200	<1500	<1500	3,900	10000	4,200	5,200	8,900	<1500	<1500	3,300		3,300	13000
08/06/02	300		270	230	1,200	1,600	230	2,600	2,100	2,300	3,100	6,100	<150	190	<150		750	5,300
01/15/03	240		<150	<150	720	300	<150	<150	<150	1400	1500	1200	<150	<150	<150		510	<150
07/22/03	1,100		<150	<150	<150	<150	<150	<150	190	210	<150	180	<150	<150	<150		820	<150
01/20/04	<150		<150	<150	<150J	<150	<150	<150	290	510	<150J	210J	<150	<150	<150J		550	230
07/14/04	<300		300J	<300J	<300J	420J	630	<300	450J	4,800	1,100	1,400	<300J	<300	<400		1,000	3,200
01/20/05	<150 V		<150 V	<150 V	<150 V	<150 V	<150 V	<150 V	710 V	350 V	1400 V	360 V	<150 V	<150 V	<150 V		1200 V	340 V
07/20/05	<60 V		<60 V	<60 V	<60 V	<60 V	<60 V	<60 V	<60 V	<60 V	<60 V	<60 V	<60 V	<60 V	<60 V		330 V	<60 V
01/17/06	130 V		<60 V	<60 V	<60 V	<60 V	<60 V	<60 V	150 V	<60 V	250 V	<60 V	<60 V	<60 V	<60 V		1600 V	<60 V
07/19/06	77		<60 V	<60	<60	100	<60	<60	460	110	1,600	200	77	<60	<60		820	480
01/23/07	950		<300	<300	<300	<300	<300	<300	<300	350	3,200	<300	<300	<300	<300		8,200	1,200
07/11/07	260		<73	<86	<58	<43	<88	<110	<61	<26	<54	<47	<65	<27	<53		2,600	<22
01/28/08	63		<29	<34	<23	<17	<35	<44	<24	<11	<21	<19	<26	<11	<21		960	<8.9
07/24/08	630		<81	<88	<62	<120	<160	<94	<69	<89	<61	<68	<95	<110	<63		4,100	<32
01/21/09	120		<45	<49	<35	<69	<92	<53Q	<39	<50	<34	<39	<53	<63	<36		1,300	<18
07/07/09	310		<81	<89	<63	<120	<160	<95	<70	<90	<62	<69	<96	<110	<64		3,400	<32
01/19/10	150		<40	<43	<31	<61	<81	<46	<34	<44	<30	<34	<47	<56	<31		910	<16
1/19/2010 Duplicate	130		<40	<43	<31	<61	<81	<46	<34	<44	<30	<34	<47	<56	<31		740	<16
07/14/10	1,600		<57	<52	<52	<42	<77	<62	<45	<44	<46	<72	<82	<39	<57		9,100	<25
01/25/11	1,100		<230	<210	<210	<170	<310	<250	<180	<180	<190	<290	<330 Q	<160	<230		7,300	<100
1/25/2011 Duplicate	1,100		<230	<210	<210	<170	<310	<250	<180	<180	<190	<290	<330 Q	<160	<230		6,900	<99
04/06/11																	4,000	
07/25/11	520		<1.1	<1.0	<1.0	<0.84	<1.5	<1.2	<0.89	<0.88	<0.92	<1.4	<1.6	<0.78	<1.1		3,700	<0.49
10/03/11																	3,500	

Phenolics - Historical Data  
WAULECO, INC - Wausau Facility  
Well - W39

Date	2,3,4,6-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	3&4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Chloro-3-Methylphenol	4-Nitrophenol	Dinoseb	Pentachlorophenol	Phenol
01/17/12	<b>220</b>		<60	<54	<54	<45	<82	<65	<47	<47	<49	<76	<87	<41	<60		<b>3,800</b>	<26
1/17/2012 Duplicate	<b>140</b>		<56	<51	<51	<41	<76	<61	<44	<43	<45	<71	<81	<38	<56		<b>2,500</b>	<24
04/03/12																	<b>2,200</b>	
07/10/12	<b>110</b>		<11	<10	<10	<8.3	<15	<12	<8.8	<8.7	<9.1	<14	<16	<7.7	<11		<b>1,200</b>	<4.8
01/04/13	<b>140</b>		<110	<100	<100	<85	<150	<120	<90	<89	<93	<140	<160	<78	<110		<b>2,300</b>	<49
1/4/2013 Duplicate	<110		<110	<100	<100	<85	<160	<130	<91	<90	<94	<150	<170	<79	<110		<b>1,800</b>	<50
07/08/13	<110		<110	<100	<100	<83	<150	<120	<88	<87	<91	<140	<160	<77	<110		<b>1,000</b>	<48
01/21/14	<b>170</b>		<110	<100	<100	<85	<150	<120	<90	<89	<93	<140	<160	<78	<110		<b>2,700</b>	<49
07/08/14	<110		<110	<100	<100	<84	<150	<120	<89	<88	<92	<140	<160	<78	<110		<b>1,100</b>	<49
01/15/15	<100		<52	<12	<52	<19	<150	<41	<12	<41	<29	<41	<62	<28	<62		<b>1,600</b>	<13
07/09/15	<b>54</b>		<10	<3.0	<10 M	<3.7	<31 M	<8.2	<3.0	<8.2	<5.8 M	<8.2	<12 MY	<5.6	<12		<b>970 M</b>	<3.0
01/14/16	<100		<52	<12	<52	<19	<150	<41	<12	<41	<29	<41	<62	<28	<62		<b>1,600</b>	<13
07/07/16	<b>33</b>		<3.0	<10.0	<3.0	<4.0	<5.9	<8.1	<3.0	<3.0	<3.0	<3.4	<6.1	<3.0	<4.0		<b>790</b>	<4.8
01/19/17	<b>96</b>		<6.2	<26	<6.7	<10	<15	<21	<6.2	<7.7	<6.2	<8.8	<15	<7.2	<10		<b>1,700</b>	<12
07/11/17	<b>40</b>		<b>3.0</b>	<10	<3.0	<4.0	<5.9	<8.1	<3.0	<3.0	<3.0	<3.4	<6.1	<3.0	<4.0		<b>800</b>	<4.8
01/09/18	<b>53</b>		<12	<11	<13	<10	<15	<11	<12	<10	<11	<12	<15	<11	<12		<b>980</b>	<13
07/12/18	<b>26</b>		<11	<10	<12	<9.5	<14	<10	<11	<9.5	<10	<11	<14	<10	<11		<b>620</b>	<12
01/21/19	<b>30</b>		<4.4	<4.0	<5.0	<3.8	<5.6	<4.0	<4.6	<3.8	<4.0	<4.4	<5.8	<4.2	<4.6		<b>720</b>	>5.0
1/21/2019 Duplicate	<b>33</b>		<4.4	<4.0	<5.0	<3.8	<5.6	<4.0	<4.6	<3.8	<4.0	<4.4	<5.8	<4.2	<4.6		<b>720</b>	<5.0
7/2019																		

Notes:

Prepared By: T. Dushck, 8/20/19

Checked By: A. Voit, 11/27/19

- 1.) All units are in ug/L.
- 2.) Bold Values indicate detections
- 3.) J = Estimated Value
- 4.) M = Matrix spike and/or Matrix Spike duplicate recovery outside acceptance limits.
- 5.) Q = Laboratory Control Sample outside acceptance limits.
- 6.) Y = Replicate/Duplicate precision outside acceptance limits.
- 7.) V = Raised quantitation or reporting limit due to limited sample amount or dilution for matrix background interference.

Phenolics - Historical Data  
WAULECO, INC - Wausau Facility  
Well - W40-W40R

Date	2,3,4,6-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	3&4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Chloro-3-Methylphenol	4-Nitrophenol	Dinoseb	Pentachlorophenol	Phenol
01/19/10	<b>650</b>		<16	<18	<13	<25	<33	<19	<14	<18	<13	<14	<19	<23	<13		<b>6,400</b>	<6.5
07/15/10	<b>1,100</b>		<110	<100	<100	<85	<150	<120	<90	<89	<93	<140	<160	<78	<110		<b>8,100</b>	<49
01/25/11	<b>1,400</b>		<560	<510	<510	<420	<770	<610	<440	<440	<460	<710	<820 Q	<390	<560		<b>13,000</b>	<240
07/25/11	<b>630</b>		<230	<210	<210	<170	<310	<250	<180	<180	<190	<290	<330	<160	<230		<b>6,400</b>	<99
01/18/12	<590		<12	<11	<11	<8.7	<16	<13	<9.3	<9.1	<9.6	<15	<17	<8.1	<12		<b>6,200</b>	<5.1
07/09/12	<b>900 M</b>		<11	<10	<10	<8.4	<15 M	<12	<8.9	<8.8	<9.2	<14	<16	<7.8	<11 M		<b>10,000 M</b>	<4.9
01/07/13	<b>510</b>		<230	<210	<210	<170	<320	<260	<190	<180	<190	<300	<340	<160	<230		<b>4,400</b>	<100
07/08/13	<b>900</b>		<280	<250	<250	<210	<380	<300	<220	<220	<230	<350	<400	<190	<280		<b>8,300</b>	<120
01/21/14	<b>750</b>		<230	<210	<210	<170	<310	<250	<180	<180	<190	<290	<330	<160	<230		<b>7,800</b>	<99
07/08/14	<b>690</b>		<560	<510	<510	<410	<760	<610	<440	<430	<450	<710	<810	<380	<560		<b>8,500</b>	<240
01/15/15	<b>1,000</b>		<130	<31	<130	<46	<390	<100	<31	<100	<72	<100	<150	<70	<150		<b>10,000</b>	<34
07/09/15	<b>590</b>		<100	<25	<100	<37	<310	<82	<25	<82	<58	<82	<120	<56	<120		<b>6,800</b>	<27
01/19/16	<b>1,300</b>		<130	<30	<130	<45	<380	<100	<30	<100	<71	<100	<150	<68	<150		<b>12,000</b>	<33
07/12/16	<b>830</b>		<24	<100	<26	<40	<59	<81	<24	<30	<24	<34	<61	<28	<40		<b>9,500</b>	<48
01/19/17	<b>940</b>		<49	<200	<53	<82	<120	<160	<49	<61	<49	<69	<120	<57	<82		<b>11,000</b>	<98
07/18/17	<b>1,700</b>		<60	<250	<65	<100	<150	<200	<60	<75	<60	<85	<150	<70	<100		<b>19,000</b>	<120
01/15/18	<b>950</b>		<12	<11	<13	<10	<15	<11	<12	<10	<11	<12	<15	<11	<12		<b>10,000</b>	<13
07/19/18	<b>900 Q</b>		<59	<54	<66	<51	<74	<54	<61	<51	<54	<59	<77	<56	<61		<b>9,600</b>	<66
01/28/19	<b>670</b>		<45	<41	<51	<39	<57	<41	<47	<39	<41	<45	<59	<43	<47		<b>7,400</b>	<51
07/18/19	<b>120</b>		<23	<21	<26	<20 Q	<29	<21	<24	<20	<21	<23	<30	<22	<24		<b>2,000</b>	<26
01/23/20	<b>390</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>4,400</b>	<3
07/16/20	<b>280</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>4,300</b>	<3
7/16/2020 Duplicate	<b>290</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>4,200</b>	<3
01/13/21	<3		<3.0	<3.0	<3.0	<3.0 Q	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>3,400</b>	<3
07/14/21	<b>280 Q</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>3,200</b>	<3
07/11/23	<b>370</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>4,700</b>	<3

Notes:

Prepared By: T. Dushek, 7/31/23

Checked By: A. Voit, 10/11/23

- 1.) All units are in ug/L.
- 2.) Bold Values indicate detections
- 3.) J = Estimated Value
- 4.) M = Matrix spike and/or Matrix Spike duplicate recovery outside acceptance limits.
- 5.) Q = Laboratory Control Sample outside acceptance limits.
- 6.) Y = Replicate/Duplicate precision outside acceptance limits.
- 7.) V = Raised quantitation or reporting limit due to limited sample amount or dilution for matrix background interference.

Phenolics - Historical Data  
WAULECO, INC - Wausau Facility  
Well - W41

Date	2,3,4,6-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	3&4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Chloro-3-Methylphenol	4-Nitrophenol	Dinoseb	Pentachlorophenol	Phenol
02/25/92		<20		<20	119	<10	<20		<10		85.9		<20	68	<20		8,610	<10
06/16/92		441		703	227	60.9	170		<5.1		143		<51	44.1	<51		16,600	<5.1
09/17/92		<1		<1	<0.5	<0.5	223		<0.5		<0.5		<1	<0.5	109		6,070	<0.5
12/19/92		<1		<1	<0.5	<0.5	<1		<0.5		<0.5		<1	<0.5	<1		16,400	<0.5
03/24/93		<8000		<2400	<800	<800	<2400		<800		<800		<4000	<4000	<4000		14,300	<800
06/30/93	3,600		<200	<100	<100	<100	<200	3,600		<100	<100	<200	<100	1,600	<200	<100	32,000	
12/28/93	710		<200	150	320	260	<200	140		180	150	<200	<100	<100	<200	<100	9,500	
04/25/94	1,000		<2000	<1000	<1000	<1000	<2000	<1000		<1000	<1000	<2000	<1000	<1000	<2000	<1000	12,000	
06/21/94	930			980	820	430	110	1100	210		<100	330	<200	230	250	500	<100	4,900
10/04/94	<500		<1000	<500	<500	<500	<1000	<500		<500	<500	<1000	<500	<500	<1000	<500	690	
03/10/95	<1000		<2000	<1000	<1000	<1000	<2000	<1000		<1000	<1000	<2000	<1000	<1000	<2000	<1000	3,600	<11
07/06/95	480		<11	<11	<11	<11	<53	<11	<10.65	<11	<21.3	<53	<21	<53	<27		3,400	<11
09/13/95	<1000		<1000	3,400	<1000	<1000	<2000	<1000	<1000	<1000	<2000	<1000	<1000	<2000	<1000	<1000	9,600	<1000
03/20/96	<1000		<1000	<1000	<1000	<1000	<2000	<1000	<1000	<1000	<2000	<1000	<1000	<2000	<1000	<1000	7,000	<1000
07/09/96	<2500		<2500	<2500	<2500	<2500	<5000	<2500	<2500	<2500	<2500	<5000	<2500	<2500	<5000	<2500	10,000	<2500
09/25/96	1,130		<7.3	<7.1	<8	<15	<7.2	<8.7	<12	<7.9	<15	<17	<7.5	<6.9	<7.4	<8.5	13,800	<10
07/11/97	<0.182		<0.453	<0.469	<0.344	<0.148	<0.269	<0.397	<0.194	<0.252	<0.104	<0.128	<0.362	<0.105	<0.351		18,000	<0.127
01/02/98	<0.182		<0.453	<0.469	<0.344	<0.148	<0.269	<0.397	<0.194	<0.252	<0.104	<0.128	<0.362	<0.105	<0.351		3,700	<0.127
06/24/98	<600		<600	<600	<600	<600	<600	<600	<600	<600	<600	<600	<600	<600	<600		5,200	<600
01/26/99				690	820	730		890	760				630				6,700	1,500
06/08/99	<600		<600	<600	<600	<600	<600	<600	<600	<600	<600	<600	<600	<600	<600		5,800	<600
01/11/00	<600		<600	<600	<600	<600	<600	<600	<600	<600	<600	<600	<600	<600	<600		7,800	<600
07/19/00	<150		330	<150	<150	<150	250	<150	<150	<150	<150	170	<150	<150	240		3,500	320
01/31/01	<600		<600	<600	<600	<600	<600	<600	<600	<600	<600	<600	<600	<600	<600		7,600	<600
07/11/01	<1500		<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500		2,200	<1500
01/15/02	150		<60	120	<60	<60	74	<60	180	120	140	79	73	66	94		1,100	<60
08/06/02	<300		<300	370	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300		3,100	
01/14/03	610		600	<600	<600	<600	<600	<600	<600	<600	<600	<600	<600	<600	<600		7,200	<600
07/22/03	280		<150	220	<150	<150	<150	<150	<150	<150	<150	<150	<150	<150	<150		4,300	160
01/20/04	190J		<150J	<150	<150J	<150	<150	<150	270	<150J	<150	<150J	<150	<150	<150J		3,500	<150
07/13/04	<300		780	<300	<300J	<300	930	<300	<300	<300	<300	<300	<300	<300J	<400		5,900	380
01/19/05	<300 V		<300 V	<300 V	<300 V	<300 V	<300 V	<300 V	<300 V	<300 V	<300 V	<300 V	<300 V	<300 V	<300 V		3700 V	<300 V
07/19/05	390 V		<300 V	<300 V	<300 V	<300 V	<300 V	<300 V	<300 V	<300 V	<300 V	<300 V	<300 V	<300 V	<300 V		5900 V	320 V
01/17/06	<300 V		<300 V	<300 V	<300 V	<300 V	<300 V	<300 V	<300 V	<300 V	<300 V	<300 V	<300 V	<300 V	<300 V		3900 V	<300 V
07/19/06	<300		<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300		4,300	<300
01/23/07	150		<60	<60	<60	<60	<60	<60	<60	<60	<60	64	<60	<60	<60		1,700	92
07/10/07	180		<38	<44	<30	<22	<45	<57	<31	<14	<28	<24	<33	<14	<27		2,000	<11
01/28/08	150		<80	<94	<63	<48	<97	<120	<67	<29	<59	<52	<71	<30	<58		2,800	<24
07/24/08	630		<160	<180	<130	<250	<330	<190	<140	<180	<120	<140	<190	<230	<130		6,500	<64
01/21/09	250		<83	<91	<64	<130	<170	<97Q	<72	<92	<63	<71	<98	<120	<65		4,400	<33
1/21/2009 Duplicate	230		<83	<91	<64	<130	<170	<97Q	<72	<92	<63	<71	<98	<120	<65		4,000	<33
07/07/09	140		<81	<88	<62	<120	<160	<94	<69	<89	<61	<68	<95	<110	<63		2,800	<32



Phenolics - Historical Data  
WAULECO, INC - Wausau Facility  
Well - W41

Date	2,3,4,6-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	3&4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Chloro-3-Methylphenol	4-Nitrophenol	Dinoseb	Pentachlorophenol	Phenol
01/19/10	<b>230</b>		<85	<92	<66	<130	<170	<99	<73	<94	<65	<72	<100	<120	<67		<b>2,000</b>	<33
07/14/10	<b>72</b>		<44	<40	<40	<33	<61	<48	<35	<35	<36	<57	<65	<31	<44		<b>1,200</b>	<19
01/25/11	<b>150</b>		<110	<100	<100	<85	<160	<130	<91	<90	<94	<150	<170 Q	<79	<110		<b>2,400</b>	<50
04/05/11																	<b>1,900</b>	
07/20/11	<b>64</b>		<1.1	<1.0	<1.0	<0.85	<1.5	<1.2	<0.90	<0.89	<0.93	<b>18</b>	<1.6	<0.78	<1.1		<b>790</b>	<0.49
10/03/11																	<b>1,500</b>	
01/17/12	<b>140</b>		<57	<52	<52	<42	<77	<62	<45	<44	<46	<72	<82	<39	<57		<b>2,700</b>	<25
04/03/12																	<b>7,600</b>	
07/10/12	<b>190 V</b>		<5.6 V	<5.1 V	<5.1 V	<4.2 V	<7.7 V	<6.1 V	<4.4 V	<4.4 V	<4.6 V	<7.1 V	<8.2 V	<3.9 V	<5.6 V		<b>980 V</b>	<3.0 V
01/04/13	<b>310</b>		<110	<100	<100	<83	<150	<120	<88	<87	<91	<140	<160	<77	<110		<b>3,300</b>	<48
07/05/13	<b>820</b>		<110	<100	<100	<85	<160	<130	<91	<90	<94	<150	<170	<79	<110		<b>6,600</b>	<50
01/21/14	<b>380</b>		<120	<110	<110	<86	<160	<130	<92	<91	<95	<150	<170	<80	<120		<b>4,400</b>	<51
07/09/14	<b>850</b>		<230	<210	<210	<170	<310	<250	<180	<180	<190	<290	<330	<160	<230		<b>8,300</b>	<99
01/15/15	<b>460</b>		<100	<25	<100	<38	<310	<83	<25	<83	<58	<83	<130	<56	<130		<b>8,500</b>	<27
07/08/15	<b>430</b>		<100	<24	<100	<37	<310	<82	<24	<82	<57	<82	<120	<55	<120		<b>8,800</b>	<27
01/14/16	<b>260</b>		<100	<25	<100	<37	<310	<82	<25	<82	<58	<82	<120	<56	<120		<b>5,200</b>	<27
07/12/16	<b>140</b>		<24	<100	<27	<41	<59	<82	<24	<31	<24	<35	<61	<29	<41		<b>6,000</b>	<49
01/19/17	<b>110</b>		<13	<52	<14	<21	<30	<42	<13	<16	<13	<18	<31	<15	<21		<b>2,600</b>	<25
07/18/17	<b>110</b>		<24	<100	<27	<41	<59	<82	<24	<31	<24	<35	<61	<29	<41		<b>4,100</b>	<49
01/11/18	<b>100</b>		<23	<21	<26	<20	<29	<21	<24	<20	<21	<23	<30	<22	<24		<b>2,700</b>	<26
07/18/18	<b>100 Q</b>		<23	<21	<26	<20	<29	<21	<24	<20	<21	<23	<30	<22	<24		<b>2,900</b>	<26
01/24/19	<b>66</b>		<23	<21	<25	<20	<28	<21	<24	<20	<21	<23	<29	<22	<24		<b>2,600</b>	<25
07/15/19	<b>26</b>		<23	<21	<26	<20	<29	<21	<24	<20	<21	<23	<30	<22	<24		<b>670</b>	<26
01/22/20	<b>39</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>950</b>	<3
1/22/2020 Duplicate	<b>52</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>1,100</b>	<3
07/08/20	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>940</b>	<3.0
01/13/21	<3.0		<3.0	<3.0	<3.0	<3.0 Q	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>1,400</b>	<3.0
1/13/2021 Duplicate	<3.0		<3.0	<3.0	<3.0	<3.0 Q	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>1,200</b>	<3.0
07/13/21	<b>42 Q</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>760</b>	<3.0
01/17/22	<b>39</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>1,000</b>	<3.0
07/11/22	<b>26</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>460</b>	<3.0
01/17/23	<b>33</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>800</b>	<3.0
07/11/23	<b>27</b>		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<b>470</b>	<3.0

Notes: Prepared By: T. Dushek, 7/31/23 Checked By: A. Voit, 10/11/23

- 1.) All units are in ug/L.
- 2.) Bold Values indicate detections
- 3.) J = Estimated Value
- 4.) M = Matrix spike and/or Matrix Spike duplicate recovery outside acceptance limits.
- 5.) Q = Laboratory Control Sample outside acceptance limits.
- 6.) Y = Replicate/Duplicate precision outside acceptance limits.
- 7.) V = Raised quantitation or reporting limit due to limited sample amount or dilution for matrix background interference.

Phenolics - Historical Data  
WAULECO, INC - Wausau Facility  
Well - W69

Date	2,3,4,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	3&4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Chloro-3-Methylphenol	4-Nitrophenol	Pentachlorophenol	Phenol
07/24/03	<b>2,100</b>	<1500	<1500	<1500	<1500	<1500	<1500	<b>4,700</b>	<b>2,500</b>	<1500	<b>2,600</b>	<1500	<1500	<1500	<b>14,000</b>	<b>8,600</b>
01/21/04	<b>6,700</b>	<3000	<3000	<3000J	<3000	<3000J	<3000	<b>19,000</b>	<b>11,000</b>	<3000	<3,000J	<3000	<3000	<3,000J	<b>64,000</b>	<b>19,000</b>
07/14/04	<b>870J</b>	<600	<600	<600J	<600	<b>1,300</b>	<600	<600	<b>1,200</b>	<600J	<600J	<600	<600	<800	<b>9,600</b>	<b>3,900</b>
01/20/05	<b>1,300 V</b>	<600 V	<600 V	<600 V	<600 V	<600 V	<600 V	<b>2,200 V</b>	<b>910 V</b>	<b>3,100 V</b>	<b>770 JV</b>	<600 V	<600 V	<600 V	<b>11,000 V</b>	<b>1500 V</b>
01/23/08	<b>630</b>	<160	<180	<130	<250	<330	<190	<140	<180	<120	<140	<190	<230	<130	<b>6,500</b>	<64
07/24/08	<b>1,100</b>	<160	<180	<130	<250	<330	<190	<140	<180	<130	<140	<190	<230	<130	<b>10,000</b>	<65
01/21/09	<b>1,000</b>	<170	<180	<130	<250	<340	<190Q	<140	<180	<130	<140	<200	<230	<130	<b>9,800</b>	<65
01/26/11	<b>520</b>	<230	<210	<210	<170	<310	<250	<180	<180	<190	<290	<330 Q	<160	<230	<b>6,200</b>	<99
07/25/11	<b>570</b>	<1.1	<1.0	<1.0	<0.83	<1.5	<1.2	<0.88	<0.87	<0.91	<1.4	<1.6	<0.77	<1.1	<b>4,300</b>	<0.48
01/18/12	<b>340 M</b>	<12	<11	<11	<8.6	<16 M	<13	9.2 MY	<9.1 Y	<9.5 M	<15	<17 MY	<8	<12 M	<b>4,100 M</b>	<5.1 Y
07/10/12	<b>140</b>	<5.6	<5.1	<5.1	<4.1	<7.6	<6.1	<4.4	<4.3	<4.5	<7.1	<8.1	<3.8	<5.6	<b>1500</b>	<3.0
01/07/13	<b>560</b>	<110	<100	<100	<85	<150	<120	<90	<89	<93	<140	<160	<78	<110	<b>8,900</b>	<49
07/08/13	<b>430</b>	<120	<110	<110	<88	<160	<130	<94	<92	<97	<150	<170	<82	<120	<b>5,000</b>	<52

Notes:

Prepared By: T. Dushek, 8/5/13

Checked By: A. Voit, 9/21/13

- 1.) All units are in ug/L.
- 2.) Bold Values indicate detections
- 3.) J = Estimated Value
- 4.) M = Matrix spike and/or Matrix Spike duplicate recovery outside acceptance limits.
- 5.) Q = Laboratory Control Sample outside acceptance limits.
- 6.) Y = Replicate/Duplicate precision outside acceptance limits.
- 7.) V = Raised quantitation or reporting limit due to limited sample amount or dilution for matrix background interference.
- 8.) WDNR letter dated March 18, 2014 concurred with a TRC letter dated October 13, 2013 that this well could be eliminated from the monitoring network.

Phenolics - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - DFOMW5

Date	Pentachlorophenol
01/19/10	<b>5.3</b>
07/13/10	<3
01/25/11	<b>6.6</b>
07/15/11	<1.1
01/17/12	<3
07/02/12	<b>4.4</b>
01/08/13	<3
07/10/13	<3
01/20/14	<b>2.0</b>
07/15/14	<3
01/19/15	<b>2.0</b>
07/08/15	<3
01/15/16	<3
07/11/16	<b>0.55</b>
01/23/17	<b>2.10</b>
07/20/17	<b>0.55 B</b>
01/09/18	<3.0
07/16/18	<b>2.60</b>
01/21/19	<3.0
07/16/19	<b>2.0</b>
01/14/20	<3.0
07/13/20	<3.0
01/13/21	<3.0
07/12/21	<b>1.7</b>
01/13/22	<b>2.8</b>
07/13/22	<3.0
01/11/23	<3.0
07/10/23	<3.0

**Notes:**

- 1.) All units are in ug/L.
- 2.) Bold Values indicate detections
- 3.) B = Analyte detected in the associated Method Blank
- 4.) J = Estimated Value
- 5.) M = Matrix spike and/or Matrix Spike duplicate recovery outside acceptance limits.
- 6.) Q = Laboratory Control Sample outside acceptance limits.
- 7.) Y = Replicate/Duplicate precision outside acceptance limits.
- 8.) V = Raised quantitation or reporting limit due to limited sample amount or dilution for matrix background interference.

Prepared By: T. Dushek, 7/31/23

Checked By: A. Voit, 10/11/23

Phenolics - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - DFOMW9

Date	Pentachlorophenol
01/19/10	<b>160</b>
07/13/10	<b>45</b>
07/13/10 Duplicate	<b>58</b>
01/25/11	<b>210</b>
07/15/11	<b>98</b>
01/17/12	<b>95</b>
07/02/12	<b>130</b>
01/08/13	<b>77</b>
07/10/13	<b>200</b>

**Notes:**

- 1.) All units are in ug/L.
- 2.) Bold Values indicate detections
- 3.) J = Estimated Value
- 4.) M = Matrix spike and/or Matrix Spike duplicate recovery outside acceptance limits.
- 5.) Q = Laboratory Control Sample outside acceptance limits.
- 6.) Y = Replicate/Duplicate precision outside acceptance limits.
- 7.) V = Raised quantitation or reporting limit due to limited sample amount or dilution for matrix background interference.
- 8.) WDNR letter dated March 18, 2014 concurred with a TRC letter dated October 13, 2013 that this well could be eliminated from the monitoring network.

Prepared By: T. Dushek, 8/5/13

Checked By: A. Voit, 9/21/13

Phenolics - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - DFOMW10A

Date	Pentachlorophenol
01/19/10	<b>3,200</b>
01/19/10 Duplicate	<b>3,300</b>
07/15/10	<b>1,500</b>
01/25/11	<b>1,800</b>
07/15/11	<b>610</b>
01/17/12	<b>2,300</b>
07/02/12	<b>590</b>
01/08/13	<b>1,800</b>
07/10/13	<b>950</b>

**Notes:**

- 1.) All units are in ug/L.
- 2.) Bold Values indicate detections
- 3.) J = Estimated Value
- 4.) M = Matrix spike and/or Matrix Spike duplicate recovery outside acceptance limits.
- 5.) Q = Laboratory Control Sample outside acceptance limits.
- 6.) Y = Replicate/Duplicate precision outside acceptance limits.
- 7.) V = Raised quantitation or reporting limit due to limited sample amount or dilution for matrix background interference.
- 8.) WDNR letter dated March 18, 2014 concurred with a TRC letter dated October 13, 2013 that this well could be eliminated from the monitoring network.

Prepared By: T. Dushek, 8/5/13

Checked By: A. Voit, 9/21/13

Phenolics - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - DFOMW11

Date	Pentachlorophenol
01/19/10	<b>3,900</b>
07/13/10	<b>4,800</b>
01/25/11	<b>3,100</b>
07/15/11	<b>5,000</b>
01/17/12	<b>2,200</b>
07/02/12	<b>4,200</b>
7/2/2012	
Duplicate	<b>4,000</b>
01/08/13	<b>3,300</b>
07/10/13	<b>580</b>
01/20/14	<b>2,400</b>
1/20/14	
Duplicate	<b>3,000</b>
07/15/14	<b>5,800</b>
01/19/15	<b>3,100</b>
07/08/15	<b>5,300</b>
01/15/16	<b>3,100</b>
07/11/16	<b>2,900</b>
01/23/17	<b>2,800</b>
07/20/17	<b>810</b>
01/09/18	<b>1,300</b>
07/16/18	<b>4,100</b>
01/21/19	<b>890</b>
07/16/19	<b>240</b>
01/14/20	<b>410</b>
07/13/20	<b>580</b>
01/13/21	<b>470</b>
1/13/2021	
Duplicate	<b>420</b>
07/12/21	<b>1,700</b>
01/13/22	<b>300</b>
1/13/2022	
Duplicate	<b>220</b>
07/13/22	<b>810</b>
7/13/2022	
Duplicate	<b>890</b>
01/11/23	<b>280</b>
1/11/2023	
Duplicate	<b>270</b>
07/10/23	<b>300</b>

**Notes:**

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- 2.) Bold Values indicate detections
- 3.) J = Estimated Value
- 4.) M = Matrix spike and/or Matrix Spike duplicate recovery outside acceptance limits.
- 5.) Q = Laboratory Control Sample outside acceptance limits.
- 6.) Y = Replicate/Duplicate precision outside acceptance limits.

Prepared By: T. Dushek, 7/31/23

Checked By: A. Voit, 10/11/23

Phenolics - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - DFOMW12

Date	Pentachlorophenol
01/19/10	<b>3,600</b>
07/13/10	<b>2,600</b>
01/25/11	<b>7,900</b>
1/25/2011 Duplicate	<b>7,300</b>
07/15/11	<b>4,800</b>
7/15/2011 Duplicate	<b>3,000</b>
01/17/12	<b>7,600</b>
1/17/2012 Duplicate	<b>8,400</b>
07/02/12	<b>9,500</b>
01/08/13	<b>5,400</b>
1/8/2013 Duplicate	<b>5,500</b>
07/10/13	<b>6,100</b>
7/10/2013 Duplicate	<b>5,800</b>
07/15/14	<b>5,200</b>
7/15/2014 Duplicate	<b>6,100</b>
01/19/15	<b>10,000</b>
1/19/2015 Duplicate	<b>10,000</b>
07/08/15	<b>4,500</b>
7/8/2015 Duplicate	<b>4,500</b>
01/19/16	<b>5,900</b>
07/11/16	<b>4,900</b>
7/11/2016 Duplicate	<b>4,800</b>
01/23/17	<b>5,000</b>
1/23/2017 Duplicate	<b>4,500</b>
07/20/17	<b>2,300</b>
7/20/2017 Duplicate	<b>2,800</b>
01/09/18	<b>2,400</b>
1/9/2018 Duplicate	<b>2,600</b>
07/16/18	<b>2,300</b>
7/16/2018 Duplicate	<b>1,700</b>
01/21/19	<b>3,300</b>
1/21/2019 Duplicate	<b>3,500</b>
07/16/19	<b>400</b>
7/16/2019 Duplicate	<b>390</b>

Phenolics - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - DFOMW12

Date	Pentachlorophenol
01/14/20	<b>1,500</b>
1/14/2020	
Duplicate	<b>1,400</b>
07/13/20	<b>520</b>
7/13/2020	
Duplicate	<b>450</b>
01/13/21	<b>1,400</b>
07/12/21	<b>660</b>
7/12/2021	
Duplicate	<b>600</b>
01/13/22	<b>2,000</b>
07/13/22	<b>1,200</b>
01/11/23	<b>1,400</b>
07/10/23	<b>770</b>
7/10/2023	
Duplicate	<b>870</b>

**Notes:**

- 1.) All units are in ug/L.
- 2.) Bold Values indicate detections
- 3.) J = Estimated Value
- 4.) M = Matrix spike and/or Matrix Spike duplicate recovery outside acceptance limits.
- 5.) Q = Laboratory Control Sample outside acceptance limits.
- 6.) Y = Replicate/Duplicate precision outside acceptance limits.
- 7.) V = Raised quantitation or reporting limit due to limited sample amount or dilution for matrix background interference.

Prepared By: T. Dushek, 7/31/23

Checked By: A. Voit, 10/11/23



Phenolics - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W71

Date	Pentachlorophenol
07/06/15	<3.0
01/15/16	<3.0
07/01/16	<3.0
01/23/17	<3.0
07/10/17	<3.0
01/09/18	<3.0
07/10/18	<3.0
01/21/19	<3.0
07/15/19	<b>2.1</b>
01/09/20	<3.0
07/06/20	<3.0
01/07/21	<3.0
07/06/21	<3.0
01/11/22	<3.0
07/05/22	<3.0
01/09/23	<3.0
07/05/23	<3.0

**Notes:**

- 1.) All units are in ug/L.
- 2.) Bold Values indicate detections
- 3.) J = Estimated Value
- 4.) M = Matrix spike and/or Matrix Spike duplicate recovery outside acceptance limits.
- 5.) Q = Laboratory Control Sample outside acceptance limits.
- 6.) Y = Replicate/Duplicate precision outside acceptance limits.
- 7.) V = Raised quantitation or reporting limit due to limited sample amount or dilution for matrix background interference.

Prepared By: T. Dushek, 7/31/23

Checked By: A. Voit, 10/11/23

Phenolics - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W72

Date	Pentachlorophenol
07/06/15	<3.0
01/15/16	<3.0
07/01/16	<3.0
01/23/17	<3.0
07/10/17	<3.0
01/30/18	<3.0
07/10/18	<3.0
01/21/19	<3.0
07/11/19	<3.0
01/09/20	<3.0
07/06/20	<3.0
01/07/21	<3.0
07/06/21	<3.0
01/11/22	<3.0
07/05/22	<3.0
01/09/23	<3.0
07/05/23	<3.0

**Notes:**

- 1.) All units are in ug/L.
- 2.) Bold Values indicate detections
- 3.) J = Estimated Value
- 4.) M = Matrix spike and/or Matrix Spike duplicate recovery outside acceptance limits.
- 5.) Q = Laboratory Control Sample outside acceptance limits.
- 6.) Y = Replicate/Duplicate precision outside acceptance limits.
- 7.) V = Raised quantitation or reporting limit due to limited sample amount or dilution for matrix background interference.

Prepared By: T. Dushek, 7/31/23

Checked By: A. Voit, 10/11/23

Phenolics - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W73

Date	2,3,4,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	3&4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Chloro-3-Methylphenol	4-Nitrophenol	Pentachlorophenol	Phenol
07/06/15															<3.0	
01/15/16															<3.0	
07/01/16															<3.0	
01/23/17															<3.0	
07/10/17															<3.0	
01/30/18															<3.0	
07/10/18															<3.0	
01/22/19	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
07/11/19	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
01/10/20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
07/07/20															<3.0	
01/07/21	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
07/08/21															<b>1.8</b>	
01/12/22															<3.0	
07/05/22															<3.0	
01/09/23															<3.0	
07/05/23															<3.0	

Notes:

Prepared By: T. Dushek, 7/31/23

Checked By: A. Voit, 10/11/23

- 1.) All units are in ug/L.
- 2.) Bold Values indicate detections
- 3.) J = Estimated Value
- 4.) M = Matrix spike and/or Matrix Spike duplicate recovery outside acceptance limits.
- 5.) Q = Laboratory Control Sample outside acceptance limits.
- 6.) Y = Replicate/Duplicate precision outside acceptance limits.
- 7.) V = Raised quantitation or reporting limit due to limited sample amount or dilution for matrix background interference.

Phenolics - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W74

Date	Pentachlorophenol
07/06/15	<3.0
01/15/16	<3.0
07/01/16	<3.0
01/23/17	<3.0
07/10/17	<3.0
01/09/18	<3.0
07/10/18	<3.0
01/21/19	<3.0
07/11/19	<3.0
01/10/20	<3.0
07/07/20	<3.0
01/07/21	<3.0
07/06/21	<3.0
01/11/22	<3.0
07/05/22	<3.0
01/09/23	<3.0
07/05/23	<3.0

**Notes:**

- 1.) All units are in ug/L.
- 2.) Bold Values indicate detections
- 3.) J = Estimated Value
- 4.) M = Matrix spike and/or Matrix Spike duplicate recovery outside acceptance limits.
- 5.) Q = Laboratory Control Sample outside acceptance limits.
- 6.) Y = Replicate/Duplicate precision outside acceptance limits.
- 7.) V = Raised quantitation or reporting limit due to limited sample amount or dilution for matrix background interference.

Prepared By: T. Dushek, 7/31/23

Checked By: A. Voit, 10/11/23

Phenolics - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W44

Date	Pentachlorophenol
07/14/21	<b>5,000</b>

Notes:

- 1.) All units are in ug/L.
- 2.) Bold Values indicate detections
- 3.) J = Estimated Value
- 4.) M = Matrix spike and/or Matrix Spike duplicate recovery outside acceptance limits.
- 5.) Q = Laboratory Control Sample outside acceptance limits.
- 6.) Y = Replicate/Duplicate precision outside acceptance limits.
- 7.) V = Raised quantitation or reporting limit due to limited sample amount or dilution for matrix background interference.

Prepared By: T. Dushek, 10/8/21

Checked By: A. Voit, 11/24/21

**B3**

**Volatile Organic Compounds**

Volatile Organic Compounds - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W01A

Parameter	06/14/92	09/17/92	12/18/92	03/23/93	06/28/93	12/28/93	06/21/94	07/05/95	07/10/96	07/11/97	06/23/98	06/09/99	07/18/00	01/31/01	07/09/01	08/06/02	07/22/03	07/13/04	07/21/05	07/18/06	07/11/07	07/23/08	07/06/09	07/13/10	07/19/11	07/06/12	07/05/13	07/07/14	07/07/15	07/06/16	07/11/17	07/12/18	07/09/19	07/08/20		
1,1,1,2-Tetrachloroethane				<1		<1	<1		<1	<0.2	<0.2	<0.2	<4	<b>&lt;0.20</b>	<2.0	<0.90	<1.8	<0.90	<0.50	<0.70	<0.60	<0.60	<0.60	<0.24	<0.40											
1,1,1-Trichloroethane	<5	50	5	1	1	1	1	<1.5	1.0	0.3	0.3	0.3	3	<b>0.54</b>	<1.5	<0.50	<1.0	<0.50	<0.60	<0.50	<0.60	<0.60	<0.60	<0.21	<0.29											
1,1,2,2-Tetrachloroethane	<5	<50	<5	<1	<1	<1	<1	<b>1.5</b>	<1	<0.2	<0.2	<0.2	<4	<0.20	<2.0	<0.80	<1.6	<0.80	<0.15	<0.13	<0.14	<b>3.5</b>	<0.14	<0.19	<0.30											
1,1,2-Trichloroethane	<5	<50	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.90	<1.8	<0.90	<0.40	<0.50	<0.50	<0.50	<0.50	<0.26	<0.30											
1,1-Dichloroethane	<5	<50	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.2	<0.2	<4	<0.10	<2.0	<0.50	<1.0	<0.50	<0.40	<0.40	<0.20	<0.28									
1,1-Dichloroethene	<5	<50	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.4	<0.2	<0.2	<9	<0.20	<4.5	<0.40	<0.80	<0.40	<0.50	<0.24	<0.29									
1,1-Dichloropropene				<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.2	<0.3	<0.3	<4	<0.20	<2.0	<0.50	<1.0	<0.50	<0.60	<0.50	<0.24	<0.40								
1,2,3-Trichlorobenzene				<1	<1	<1	<1	<1	<1	<1	<0.5	<0.4	<0.4	<5	<0.30	<2.5	<0.50	<1.0	<0.50	<0.60	<0.50	<0.50	<0.50	<0.50	<0.30	<0.40										
1,2,3-Trichloropropane				<1		<1	<1	<1	<1	<1	<0.3	<0.2	<0.2	<3	<0.10	<1.5	<0.80	<1.6	<0.80	<0.60	<0.70	<0.30	<0.30	<0.30	<0.21	<0.40										
1,2,4-Trichlorobenzene				<1	<1	<1	<1	<1	<1	<1	<0.5	<0.3	<0.3	<5	<0.30	<2.5	<0.50	<1.0	<0.50	<0.70	<0.70	<0.40	<0.40	<0.40	<0.30	<0.30										
1,2,4-Trimethylbenzene				<b>140</b>	<b>430</b>	<b>68</b>	<b>320</b>		<b>89.6</b>	<b>300</b>	<b>290</b>	<b>100</b>	<b>130</b>	<b>2.8</b>	<b>180</b>	<b>45</b>	<b>34</b>	<b>18</b>	<0.40	<b>15</b>	<b>3</b>	<b>3.8</b>	<b>23</b>	<b>16</b>	<b>16</b>			<b>18</b>	<b>9</b>	<b>8.1</b>	<b>8</b>	<b>5.5</b>	<b>16</b>	<b>4.1</b>	<b>0.66</b>	
1,2-Dibromo-3-chloropropane				<3	<3	<3	<3	<3	<3	<0.3	<0.3	<0.3	<3	<0.40	<1.5	<0.40	<0.80	<0.40	<1.1	<0.30	<0.40	<0.40	<0.40	<0.40	<0.40	<0.50										
1,2-Dibromoethane				<2	<2	<2	<2	<2	<2	<0.2	<0.4	<0.4	<3	<0.10	<1.5	<0.30	<0.60	<0.30	<0.60	<0.50	<0.13	<0.13	<0.13	<0.16	<0.30											
1,2-Dichlorobenzene				<1	<1	<1	<1	<1	<1	<1	<0.3	<0.3	<3	<0.20	<1.5	<0.70	<1.4	<0.70	<0.50	<0.50	<0.40	<0.40	<0.40	<0.40	<0.23	<0.40										
1,2-Dichloroethane	<5	<50	<5	<1	<1	<1	<1	<1	<1	<1	<0.2	<0.2	<4	<0.20	<2.0	<0.90	<1.8	<0.90	<0.50	<0.50	<0.30	<0.30	<0.30	<0.30	<0.30											
cis-1,2-Dichloroethene				<1		<1	<1	<1	<1	<1	<0.2	<0.2	<4	<0.20	<2.0	<0.50	<1.0	<0.50	<0.60	<0.40	<0.40	<0.40	<0.40	<0.25	<0.30											
trans-1,2-Dichloroethene	<5	<50	<5	<1	<1	<1	<1	<1	<1	<1	<0.2	<0.3	<0.3	<8	<0.10	<4.0	<0.40	<0.80	<0.40	<0.60	<0.40	<0.50	<0.50	<0.50	<0.25	<0.30										
1,2-Dichloropropane	<5	<50	<5	<1	<1	<1	<1	<1	<1	<1	<0.1	<0.2	<0.2	<3	<0.20	<1.5	<0.40	<0.80	<0.40	<0.50	<0.50	<0.21	<0.21	<0.21	<0.22	<0.29										
1,3,5-Trimethylbenzene				<b>38</b>	<b>110</b>	<b>21</b>	<b>130</b>		<b>14.4</b>	<b>130</b>	<b>140</b>	<b>97</b>	<b>0.45</b>	<b>97</b>	<b>35</b>	<b>21</b>	<b>10</b>	<0.50	<b>12</b>	<b>2.3</b>	<b>2.5</b>	<b>27</b>	<b>17</b>	<b>16</b>												
1,3-Dichlorobenzene				<1	<1	<1	<1	<1	<1	<1	<0.7	<0.4	<4	<0.10	<2.0	<0.50	<1.0	<0.50	<0.50	<0.40	<0.40	<0.40	<0.40	<0.26	<0.30											
cis-1,3-Dichloropropene	<5	<50	<5	<1		<1	<1	<1	<1	<1	<0.3	<0.3	<3	<2	<0.10	<1.0	<0.60	<1.2	<0.60	<0.12	<0.15	<0.14	<0.14	<0.19	<0.28											
1,3-Dichloropropane				<1	<1	<1	<1	<1	<1	<1	<0.3	<0.6	<6	<4	<0.10	<2.0	<1.2	<2.4	<1.2	<0.60	<0.50	<0.19	<0.19	<0.19	<0.23	<0.30										
trans-1,3-Dichloropropene	<5	<50	<5	<1		<1	<1	<1	<1	<1	<0.2	<0.2	<5	<0.10	<2.5	<0.70	<1.4	<0.70	<0.14	<0.14	<0.14	<0.14	<0.14	<0.19	<0.30											
1,4-Dichlorobenzene				<1	<1	<1	<1	<1	<1	<1	<0.3	<0.3	<0.3	<4	<0.10	<2.0	<0.50	<1.0	<0.50	<0.60	<0.50	<0.50	<0.50	<0.23	<0.30											
2,2-Dichloropropane				<1	<1	<1	<1	<1	<1	<1	<0.2	<0.5	<0.5	<2	<0.20	<1.0	<0.60	<1.2	<0.60	<0.60	<0.30	<0.30	<0.30	<0.25	<0.28											
2-Butanone (MEK)	<10	<100	<10																	<7.0	<5.0	<4.0	<4.0	<2.4	<3.0											
2-Chloroethyl vinyl ether								<10																												
2-Chlorotoluene				<1	<1	<1	<1		<1	<1	<0.4	<0.3	<0.3	<4	<0.10	<2.0	<0.60	<1.2	<0.60	<0.50	<0.50	<0.30	<0.30	<0.30	<0.22	<0.30										
2-Hexanone	<10	<100	<10																	<7.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0										
4-Chlorotoluene				<1	<1	<1	<1		<1	<1	<0.3	<0.3	<0.3	<3	<0.20	<1.5	<0.60	<1.2	<0.60	<0.40	<0.60	<0.30	<0.30	<0.30	<0.21	<0.29										
4-Methyl-2-Pentanone (MIBK)	<10	<100	<10																	<7.0	<6.0	<3.0	<3.0	<3.0	<3.0	<3.0										
Acetone	<10	<b>2230</b>	<b>11.7</b>																	<9.0	<10.0	<7.0	<7.0	<7.0	<5.0	<5.0										
Benzene	<5	<50	<5	<1	<1	<1	<1	<1	<1	<1	<0.2	<0.3	<0.3	<1	<0.10	<0.5	<b>0.51</b>	<0.80	<0.40	<0.40	<0.40	<0.16	<0.16	<0.16	<0.19	<0.30										
Bromobenzene				<1	<1	<1	<1	<1	<1	<1	<0.3	<0.2	<0.2	<5	<0.10	<2.5	<0.50	<1.0	<0.50	<0.60	<0.30	<0.30	<0.30	<0.20	<0.30											
Bromochloromethane				<1		<1	<1		<1	<1	<0.4	<0.2	<0.2	<4	<0.10	<2.0	<0.50	<1.0	<0.50	<0.70	<0.21	<0.21	<0.21	<0.22	<0.40											
Bromodichloromethane	<5	<50	<5	<1	<1	<1	<1	<1	<1	<1	<0.2	<0.2	<2	<b>0.20</b>	<1.0	<0.40	<0.80	<0.40	<0.13	<0.15	<0.19	<0.19	<0.19	<0.20	<0.30											
Bromoform	<5	<50	<5	<1		<1	<1	<1	<1	<1	<0.3	<0.2	<2	<1	<0.20	<0.5	<0.60	<1.2	<0.60	<0.50	<0.21	<0.5														

Volatile Organic Compounds - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W01A

Parameter	06/14/92	09/17/92	12/18/92	03/23/93	06/28/93	12/28/93	06/21/94	07/05/95	07/10/96	07/11/97	06/23/98	06/09/99	07/18/00	01/31/01	07/09/01	08/06/02	07/22/03	07/13/04	07/21/05	07/18/06	07/11/07	07/23/08	07/06/09	07/13/10	07/19/11	07/06/12	07/05/13	07/07/14	07/07/15	07/06/16	07/11/17	07/12/18	07/09/19	07/08/20		
Carbon disulfide	<5	<50	<5												<b>170</b>				<1.1	<1.0	<0.50	<0.50	<0.50	<0.50	<0.60											
Carbon tetrachloride	<5	<50	<5	<1	<1	<1	<1	<1	<1	<1	<0.2	<0.4	<0.4	<3	<0.10	<0.60	<1.2	<0.60	<0.50	<0.50	<0.40	<0.40	<0.40	<0.40	<0.23	<0.40										
Chlorobenzene	<5	<50	<5	<1	<1	<1	<1	<1	<1	<1	<0.3	<0.3	<0.3	<3	<0.10	<1.5	<0.80	<1.6	<0.80	<0.50	<0.40	<0.30	<0.30	<0.30	<0.24	<0.30										
Dibromochloromethane	<5	<50	<5	<1	<1	<1	<1	<1	<1	<1	<0.3	<0.3	<0.3	<4	<0.20	<2.0	<0.40	<0.80	<0.40	<0.60	<0.60	<0.23	<0.23	<0.23	<0.19	<0.26										
Chloroethane	<10	<100	<10	<2	<2	<2	<2	<2	<2	<2	<0.4	<0.8	<0.8	<5	<b>0.58</b>	<2.5	<0.50	<1.0	<0.50	<0.70	<b>1.2</b>	<b>0.48</b>	<b>1.2</b>	<0.40	<0.40	<0.30										
Chloroform	<b>6.19</b>	<50	<5	<b>5.2</b>	<b>5.2</b>	<b>4.2</b>	<b>1.4</b>	<b>1.1</b>	<b>2.3</b>	<0.2	<0.2	<0.2	<5	<b>4.2</b>	<2.5	<0.60	<1.2	<0.60	<b>1.3</b>	<b>0.61</b>	<b>0.41</b>	<b>0.23</b>	<0.22	<b>0.57</b>	<0.23											
Chloromethane	<10	<100	<10	<2	<2	<2	<2	<2	<2	<2	<0.7	<0.9	<3	<b>0.27</b>	<1.5	<0.40	<0.80	<0.40	<0.24	<b>0.32</b>	<0.30	<0.30	<b>0.56B</b>	<0.40	<0.40											
Dibromomethane				<1		<1	<1		<1	<1	<0.1	<0.2	<0.2	<4	<0.20	<2.0	<0.50	<1.0	<0.50	<0.70	<0.80	<0.40	<0.40	<0.40	<0.24	<0.30										
Dichlorodifluoromethane				<2	<2	<2	<2		<2	<0.3	<1.2	<1.2	<5	<0.10	<2.5	<0.50	<1.0	<0.50	<0.60	<0.29	<0.40	<0.40	<0.40	<0.40	<0.26	<0.30										
Diisopropyl Ether					<1							<0.3	<1	<0.10	<0.5	<0.50	<1.0	<0.50	<0.50	<0.40	<0.50	<0.50	<0.50	<0.20	<0.30											
Ethylbenzene	<5	<50	<5	<1	<1	<1	<1	<1	<1	<1	<0.2	<0.2	<1	<0.10	<0.5	<0.50	<1.0	<0.50	<0.50	<0.50	<0.40	<0.50	<0.50	<0.28	<0.28	<0.28	<0.22	<0.29								
Hexachlorobutadiene				<1	<1	<1	<1	<1	<1	<1	<0.5	<0.6	<0.6	<6	<0.20	<3.0	<0.50	<1.0	<0.50	<0.60	<0.90	<0.60	<0.60	<0.60	<0.30	<0.40										
Isopropylbenzene				<b>26</b>	<b>25</b>	<b>4.2</b>	<b>27</b>		<b>3.1</b>	<0.2	<b>38</b>	<b>12</b>	<1	<b>0.47</b>	<b>16</b>	<b>6.1</b>	<b>1.1</b>	<b>2</b>	<0.40	<0.60	<0.20	<b>0.91</b>	<b>0.31</b>	<0.18	<0.30											
p-Isopropyltoluene				<1	<b>39</b>	<b>9.7</b>	<b>50</b>		<b>4.0</b>	<b>24</b>	<b>67</b>	<b>60</b>	<b>34</b>	<b>0.89</b>	<b>47</b>	<b>18</b>	<b>11</b>	<b>5</b>	<0.40	<b>15</b>	<b>3.2</b>	<b>3.4</b>	<b>15</b>	<b>11</b>	<b>10</b>											
Methyl tert-butyl ether					<1							<0.2	<11	<0.30	<5.5	<0.50	<1.0	<0.50	<0.60	<0.40	<0.23	<0.23	<0.23	<0.29	<0.30											
Methylene chloride	<5	<b>116</b>	<b>14.1</b>	<3	<3	<3	<3	<3	<3	<0.3	<0.5	<0.5	<19	<0.40	<9.5	<1.0	<2.0	<b>3</b>	<b>J.A.B.Q</b>	<0.40	<1.0	<0.50	<0.50	<0.50	<0.40	<0.40										
Naphthalene	<11	<10	<10	<b>6</b>	<b>38</b>	<b>4.2</b>	<b>19</b>	<b>2.9</b>	<b>3.8</b>	<0.8	<b>17</b>	<b>7.5</b>	<7	<b>0.89</b>	<b>6.9</b>	<b>0.95</b>	<1.0	<b>0.95</b>	<1.0	<b>0.95</b>	<0.60	<0.70	<0.60	<0.60	<b>1.3</b>	<0.40	<0.40	<0.31	<b>2.7</b>	<b>1.5</b>	<b>1.3</b>	<b>1.2</b>	<b>1.1</b>	<b>1.9</b>	<b>1.1</b>	<0.90
n-Propylbenzene				<b>7</b>	<b>25</b>	<b>5.2</b>	<b>23</b>		<b>5.0</b>	<0.3	<b>76</b>	<b>10</b>	<3	<b>0.47</b>	<b>15</b>	<b>6</b>	<b>2.4</b>	<b>1.9</b>	<0.40	<b>0.57</b>	<b>0.26</b>	<b>0.27</b>	<b>0.61</b>	<b>0.5</b>	<b>0.4</b>											
Styrene	<5	<50	<5	<b>4.4</b>		<1	<1	<1	<1	<1	<0.2	<0.2	<2	<0.10	<1.0	<b>14</b>	<b>4.5</b>	<b>4.7</b>	<0.50	<0.50	<0.30	<0.30	<0.30	<0.20	<0.30											
Tetrachloroethene	<5	<50	<5	<1	<1	<1	<b>6.3</b>	<1	<1	<0.3	<0.6	<0.6	<4	<0.10	<2.0	<b>4.7</b>	<b>1.5</b>	<b>1.6</b>	<0.40	<0.29	<0.40	<0.40	<0.40	<0.30	<0.30											
Tetrahydrofuran																				<b>0.60</b>	<7.0	<4.0	<4.0	<4.0	<4.0											
Toluene	<5	<50	<5	<1	<1	<1	<1	<1	<1	<0.2	<0.2	<0.2	<1	<0.20	<0.5	<b>0.95</b>	<1.0	<0.50	<7.0	<0.40	<0.20	<0.20	<0.20	<0.22	<0.30											
Trichloroethene	<5	<50	<5	<1	<1	<1	<1	<1	<1	<1	<0.2	<0.3	<0.3	<3	<0.20	<1.5	<0.60	<1.2	<0.60	<0.15	<0.15	<0.15	<0.15	<0.15	<0.21	<0.40										
Trichlorofluoromethane				<1	<1	<1	<1	<1	<1	<1	<0.5	<0.6	<0.6	<4	<0.20	<2.0	<0.40	<0.80	<0.40	<0.50	<0.70	<0.40	<0.40	<0.40	<0.20	<0.40										
Vinyl acetate	<10	<100	<10																	<8.0	<1.7	<1.1	<1.1	<1.1	<3.0	<4.0										
Vinyl chloride	<10	<100	<10	<1	<1	<1	<1	<1	<1	<0.3	<0.5	<0.5	<4	<0.10	<2.0	<0.30	<0.60	<0.30	<0.12	<0.15	<0.15	<0.15	<0.15	<0.18	<0.19											
Xylene, m & p-				<2	<b>15</b>	<b>2.8</b>	<b>15</b>	<2	<b>4.6</b>	<0.4	<b>24</b>	<0.3	<2	<0.20	<b>4.4</b>	<b>2.5</b>	<1.2	<0.60	<1.0	<0.9	<0.50	<0.50	<0.50	<0.50	<0.60											
Xylene, o-				<b>8.9</b>	<b>30</b>	<b>6.3</b>	<b>49</b>	<b>1.4</b>	<b>7.4</b>	<0.2	<0.5	<b>24</b>	<1	<b>0.16</b>	<0.5	<0.50	<1.0	<0.50	<0.40	<0.60	<0.50	<0.50	<0.50	<0.24	<0.29											
Xylenes, Total	<b>5.88</b>	<50	<b>18.3</b>																	<1.5	<1.0	<1.0	<1.0	<1.0	<0.89											

Prepared By: T. Dushek, 8/8/20  
 Checked by: A. Voit, 11/23/20

**NOTES:**  
 All Units are in ug/L  
 Bold values indicate detections  
 A = Analyte averaged calibration criteria within acceptable limits  
 B = Analyte detected in associated Method Blank  
 M = Matrix spike or matrix spike duplicate outside acceptance limits.  
 J = Estimated Value  
 Q = Lab Control Sample outside acceptance limits  
 \* = Suspected methylene chloride laboratory contamination.



Volatile Organic Compounds - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W02

Parameter	06/14/92	09/17/92	12/18/92	03/24/93	06/22/94	07/06/95	07/10/96	07/11/97	06/25/98	07/22/03	07/14/04	07/21/05	7/21/2005 duplicate	07/15/10	07/20/11	07/09/12	7/9/2012 Duplicate	7/8/2013	7/16/2014	7/8/2015	7/7/2016	7/7/2016 Duplicate	7/13/2017 Duplicate	7/12/2018	7/12/2018 Duplicate	7/11/2019	7/11/2019 Duplicate	7/14/2020	7/14/2020 Duplicate	7/13/2021 Duplicate	7/13/2021 Duplicate	7/12/2022 Duplicate	7/12/2022 Duplicate	7/11/2023 Duplicate	7/11/2023 Duplicate		
1,1,1,2-Tetrachloroethane				<1	<1	<10	<0.1	<0.3	<18	<18	<25	<25	<4.8	<4.0																							
1,1,1-Trichloroethane	<5	<50	<5	<1	<1	<20	<10	<0.3	<0.3	<10	<10	<30	<30	<4.2	<2.9																						
1,1,2,2-Tetrachloroethane	<5	<50	<5	<1	<1	<20	<10	<0.2	<0.2	<16	<16	<7.5	<7.5	<3.8	<b>4.5</b>																						
1,1,2-Trichloroethane	<5	<50	<5	<1	<1	<20	<10	<1	<0.2	<18	<18	<20	<20	<5.2	<3.0																						
1,1-Dichloroethane	<5	<50	<5	<1	<1	<20	<10	<0.2	<0.2	<10	<10	<25	<25	<4.0	<2.8																						
1,1-Dichloroethene	<5	<50	<5	<1	<1	<20	<10	<0.4	<0.2	<8.0	<8.0	<25	<25	<4.8	<2.9																						
1,1-Dichloropropene				<1	<1	<10	<0.2	<0.3	<10	<10	<25	<25	<4.8	<4.0																							
1,2,3-Trichlorobenzene				<1	<1	<10	<0.5	<0.4	<10	<10	<30	<30	<6.0	<4.0																							
1,2,3-Trichloropropane				<1	<1	<10	<0.3	<0.2	<16	<16	<30	<30	<4.2	<4.0																							
1,2,4-Trichlorobenzene				<1	<1	<10	<0.5	<0.3	<10	<10	<35	<35	<6.0	<3.0																							
1,2,4-Trimethylbenzene				<b>490</b>	<b>850</b>	<b>623.6</b>	<b>1400</b>	<b>1300</b>	<b>740</b>	<b>510</b>	<b>1300</b>	<b>1200</b>	<b>600</b>	<b>520</b>			<b>600</b>	<b>680</b>	<b>710</b>	<b>750</b>	<b>880</b>	<b>110</b>	<b>130</b>	<b>1000</b>	<b>970</b>	<b>370</b>	<b>380</b>	<b>210</b>	<b>220</b>	<b>700</b>	<b>600</b>	<b>510</b>	<b>510</b>	<b>580</b>	<b>560</b>		
1,2-Dibromo-3-chloropropane				<3	<3	<30	<0.3	<0.3	<8.0	<8.0	<55	<55	<8.0	<5.0																							
1,2-Dibromoethane				<2	<2	<20	<0.2	<0.4	<6.0	<6.0	<30	<30	<3.2	<3.0																							
1,2-Dichlorobenzene				<1	<1	<20	<10	<0.3	<0.3	<14	<14	<25	<25	<4.6	<4.0																						
1,2-Dichloroethane	<5	<50	<5	<1	<1	<20	<10	<0.2	<0.2	<18	<18	<25	<25	<6.0	<3.0																						
cis-1,2-Dichloroethene				<1	<1	<20	<10	<0.2	<0.2	<10	<10	<30	<30	<5.0	<3.0																						
trans-1,2-Dichloroethene	<5	<50	<5	<1	<1	<20	<10	<0.2	<0.3	<8.0	<8.0	<30	<30	<5.0	<3.0																						
1,2-Dichloropropane	<5	<50	<5	<1	<1	<20	<10	<0.1	<0.2	<8.0	<8.0	<25	<25	<4.4	<2.9																						
1,3,5-Trimethylbenzene				<b>120</b>	<b>200</b>	<b>21.291</b>	<b>420</b>	<b>415</b>	<b>360</b>	<b>300</b>	<b>530</b>	<b>530</b>	<b>260</b>	<b>200</b>																							
1,3-Dichlorobenzene				<1	<1	<20	<10	<0.7	<0.4	<10	<10	<25	<25	<5.2	<3.0																						
cis-1,3-Dichloropropene	<5	<50	<5	<1	<1	<20	<10	<0.3	<0.3	<12	<12	<6	<6	<3.8	<2.8																						
1,3-Dichloropropane				<1	<1	<10	<0.3	<0.6	<24	<14	<30	<30	<4.6	<3.0																							
trans-1,3-Dichloropropene	<5	<50	<5	<1	<1	<20	<10	<0.2	<0.2	<14	<24	<7	<7	<3.8	<3.0																						
1,4-Dichlorobenzene				<1	<1	<20	<10	<0.3	<0.3	<10	<10	<25	<25	<4.6	<3.0																						
2,2-Dichloropropane				<1	<1	<10	<0.2	<0.5	<12	<12	<30	<30	<5.0	<2.8																							
2-Butanone (MEK)	<10	<100	<10									<350	<350	<48	<30																						
2-Chloroethyl vinyl ether						<200																															
2-Chlorotoluene				<1	<1	<10	<0.4	<0.3	<12	<12	<25	<25	<4.4	<3.0																							
2-Hexanone	<10	<100	<10									<350	<350	<80	<40																						
4-Chlorotoluene				<1	<1	<10	<0.3	<0.3	<12	<12	<20	<20	<4.2	<2.9																							
4-Methyl-2-Pentanone (MIBK)	<10	<100	<10									<350	<350	<60	<30																						
Acetone	<10	<b>1620</b>	<b>16.8</b>									<450	<450	<100	<50																						
Benzene	<5	<50	<5	<b>2.8</b>	<b>4</b>	<20	<10	<0.2	<0.3	<8.0	<8.0	<20	<20	<3.8	<3.0																						
Bromobenzene				<1	<1	<10	<0.3	<0.2	<10	<10	<25	<25	<4.00	<3.0																							
Bromochloromethane				<1	<1	<10	<0.4	<0.2	<10	<10	<25	<25	<4.4	<4.0																							
Bromodichloromethane	<5	<50	<5	<1	<1	<20	<10	<0.2	<0.2	<8.0	<8.0	<6.5	<6.5	<4.0	<3.0																						
Bromoform	<5	<50	<5	<1	<1	<20	<10	<0.3	<0.2	<12	<12	<25	<25	<4.4	<2.4																						
Bromomethane	<10	<100	<10	<2	<2	<40	<20	<0.3	<0.9	<16	<16	<40	<40	<10	<3.0																						
n-Butylbenzene				<b>85</b>	<b>140</b>	<b>91.59</b>	<b>140</b>	<b>180</b>	<b>260</b>	<b>230</b>	<b>160</b>	<b>31</b>	<b>31</b>	<b>21</b>																							
sec-Butylbenzene				<b>36</b>	<b>43</b>		<b>30</b>	<b>72.5</b>	<b>31</b>	<b>35</b>	<b>59</b>	<b>18</b>	<b>18</b>	<b>14</b>																							
tert-Butylbenzene				<1	<1	<10	<0.3	<0.3	<10	<10	<25	<25	<4.0	<b>6.2</b>																							

Volatile Organic Compounds - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W02

Parameter	06/14/92	09/17/92	12/18/92	03/24/93	06/22/94	07/06/95	07/10/96	07/11/97	06/25/98	07/22/03	07/14/04	07/21/05	7/21/2005 duplicate	07/15/10	07/20/11	07/09/12	7/9/2012 Duplicate	7/8/2013	7/16/2014	7/8/2015	7/7/2016	7/7/2016 Duplicate	7/13/2017	7/13/2017 Duplicate	7/13/2018	7/12/2018 Duplicate	7/11/2019	7/11/2019 Duplicate	7/14/2020	7/14/2020 Duplicate	7/13/2021	7/13/2021 Duplicate	7/12/2022	7/12/2022 Duplicate	7/11/2023	7/11/2023 Duplicate	
Carbon disulfide	<5	<50	<5									<55	<55	<10	<6.0																						
Carbon tetrachloride	<5	<50	<5	<1	<1	<20	<10	<0.2	<0.4	<12	<12	<25	<25	<4.6	<4.0																						
Chlorobenzene	<5	<50	<5	<1	<1	<20	<10	<0.3	<0.3	<16	<16	<25	<25	<4.8	<3.0																						
Chlorodibromomethane	<5	<50	<5	<1	<1	<20	<10	<0.3	<0.3	<8.0	<8.0	<30	<30	<3.8	<2.6																						
Chloroethane	<10	<100	<10	<2	<2	<40	<20	<0.4	<0.8	<10	<10	<35	<35	<8.0	<3.0																						
Chloroform	<b>6.24</b>	<50	<5	<b>3.2</b>	<b>4.3</b>	<20	<10	<0.2	<0.2	<12	<12	<25	<25	<3.0	<2.3																						
Chloromethane	<10	<100	<10	<2	<2	<40	<20	<0.7	<0.9	<8.0	<8.0	<12	<12	<8.0	<4.0																						
Dibromomethane		<1	<1	<1	<1	<10	<0.1	<0.2	<10	<10	<10	<35	<35	<4.8	<3.0																						
Dichlorodifluoromethane				<2	<2	<20	<0.3	<1.2	<10	<10	<30	<30	<5.2	<3.0																							
Diisopropyl ether										<10	<10	<25	<25	<4.0	<3.0																						
Ethylbenzene	<b>25.1</b>	<50	<b>25.2</b>	<b>17</b>	<b>18</b>	<20	<10	<b>35</b>	<b>67.5</b>	<10	<10	<25	<b>9.7</b>	<b>9.7</b>	<b>11</b>																						
Hexachlorobutadiene				<1	<1	<10	<0.5	<0.6	<10	<10	<30	<30	<6.0	<4.0																							
Isopropylbenzene				<b>38</b>	<b>35</b>		<b>11</b>	<b>60</b>	<b>85</b>	<b>21</b>	<b>22</b>	<b>29</b>	<b>29</b>	<3.6	<b>22</b>																						
p-Isopropyltoluene				<1	<1	<10	<0.4	<b>72.5</b>	<b>48</b>	<b>47</b>	<b>80</b>	<b>87</b>	<b>87</b>	<b>25</b>	<b>26</b>																						
Methyl tert-butyl ether (MTBE)										<10	<10	<30	<30	<5.8	<3.0																						
Methylene chloride	<5	<b>745</b>	<b>10.4</b>	<3	<3	<60	<30	<0.3	<0.5	<20	<b>92</b>	<b>28</b>	<b>25</b>	<b>25</b>	<b>9.2 B</b>																						
Naphthalene	<b>55.4</b>	<b>84.6</b>	<b>74</b>	<b>140</b>	<b>49</b>	<b>73</b>	<b>85</b>	<b>180</b>	<b>195</b>	<b>120</b>	<b>93</b>	<b>150 A</b>	<b>140 A</b>	<b>85</b>	<b>82</b>	<b>49</b>	<b>45</b>	<b>90</b>	<b>89</b>	<b>87</b>	<b>91</b>	<b>110</b>	<b>10</b>	<b>12</b>	<b>100</b>	<b>100</b>	<b>39</b>	<b>40</b>	<b>10</b>	<9.0	<b>11 Y</b>	<b>11 Y</b>	<b>69</b>	<b>68</b>	<b>57</b>	<b>63</b>	
n-Propylbenzene				<b>43</b>	<b>49</b>		<b>67.52</b>	<0.3	<b>140</b>	<b>46</b>	<b>31</b>	<b>48</b>	<b>47</b>	<b>24</b>	<b>35</b>																						
Styrene	<5	<50	<5	<b>16</b>	<1	<10	<0.2	<0.2	<b>24</b>	<10	<25	<25	<4.0	<3.0																							
Tetrachloroethene	<5	<50	<5	<1	<b>7.6</b>	<20	<10	<0.3	<0.6	<10	<10	<20	<20	<6.0	<3.0																						
Tetrahydrofuran													<350	<350	<60	<40																					
Toluene	<b>5.61</b>	<50	<5	<b>3.5</b>	<b>3.8</b>	<20	<10	<0.2	<b>40</b>	<10	<10	<20	<20	<4.4	<3.0																						
Trichloroethene	<b>51.1</b>	<50	<b>27.6</b>	<b>16</b>	<b>10</b>	<20	<10	<0.2	<0.3	<12	<12	<7.5	<7.5	<4.2	<4.0																						
Trichlorofluoromethane				<1	<1	<20	<10	<0.5	<0.6	<8.0	<8.0	<25	<25	<4.0	<4.0																						
Vinyl acetate	<10	<100	<10									<400	<400	<60	<40																						
Vinyl chloride	<10	<100	<10	<1	<1	<20	<10	<0.3	<0.5	<6.0	<6.0	<6.0	<6.0	<3.6	<1.9																						
Xylene, m & p-				<b>83</b>	<b>52</b>	<40	<b>155</b>	<b>180</b>	<b>210</b>	<b>35</b>	<b>24</b>	<50	<50	<b>25</b>	<b>23</b>			<b>17</b>	<20	<22	<b>31</b>	<b>49</b>	<4.0	<4.0	<b>24</b>	<b>23</b>	<16	<16	<8	<8	<b>13</b>	<b>13</b>	<40	<40	<40	<40	
Xylene, o-				<b>170</b>	<b>200</b>	<b>97</b>	<b>218</b>	<b>550</b>	<b>440</b>	<b>280</b>	<b>240</b>	<b>290</b>	<b>270</b>	<b>160</b>	<b>120</b>			<b>83</b>	<b>91</b>	<b>90</b>	<b>95</b>	<b>120</b>	<b>69</b>	<b>64</b>	<b>110</b>	<b>100</b>	<b>39</b>	<b>43</b>	<b>13</b>	<b>10</b>	<b>80</b>	<b>79</b>	<b>52</b>	<b>51</b>	<b>62</b>	<b>59</b>	
Xylenes, Total	<b>181</b>	<b>257</b>	<b>292</b>	<b>253</b>	<b>252</b>	<b>97</b>	<b>373</b>	<b>730</b>	<b>650</b>	<b>315</b>	<b>264</b>	<b>290</b>	<b>270</b>	<b>185</b>	<b>143</b>			<b>100</b>	<b>91</b>	<b>90</b>	<b>126</b>	<b>169</b>	<b>69</b>	<b>64</b>	<b>134</b>	<b>123</b>	<b>39</b>	<b>43</b>	<b>13</b>	<b>10</b>	<b>93</b>	<b>92</b>	<b>52</b>	<b>51</b>	<b>62</b>	<b>59</b>	

Prepared By: T. Dushek, 8/7/23

Checked by: A. Voit, 10/11/23

**NOTES:**

All Units are in ug/L

Bold values indicate detections

**A** = Analyte averaged calibration criteria within acceptable limits

**B** = Analyte detected in associated Method Blank

**M** = Matrix spike or matrix spike duplicate outside acceptance limits.

**J** = Estimated Value

**Q** = Lab Control Sample outside acceptance limits

\* = Suspected methylene chloride laboratory contamination.

Volatile Organic Compounds - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W03A

Parameter	07/15/10	07/20/11	07/10/12	07/05/13	07/09/14	7/9/2014 Duplicate	7/8/2015	7/8/2015 Duplicate	7/7/2016	7/17/2017	7/18/2018	7/11/2019	7/8/2020	7/13/2021	7/13/2021 Duplicate	7/11/2022	7/10/2023
1,1,1,2-Tetrachloroethane	<4.8	<8.0															
1,1,1-Trichloroethane	<4.2	<5.8															
1,1,2,2-Tetrachloroethane	<3.8	<6.0															
1,1,2-Trichloroethane	<5.2	<6.0															
1,1-Dichloroethane	<4.0	<5.6															
1,1-Dichloroethene	<4.8	<5.8															
1,1-Dichloropropene	<4.8	<8.0															
1,2,3-Trichlorobenzene	<6.0	<8.0															
1,2,3-Trichloropropane	<4.2	<8.0															
1,2,4-Trichlorobenzene	<6.0	<6.0															
1,2,4-Trimethylbenzene	<b>1,400</b>	<b>630</b>		<b>470</b>	<b>650</b>	<b>490</b>	<b>500</b>	<b>390</b>	<b>310</b>	<b>700</b>	<b>440</b>	<b>730</b>	<b>500</b>	<b>620</b>	<b>700</b>	<b>780</b>	<b>590</b>
1,2-Dibromo-3-chloropropane	<8.0	<10															
1,2-Dibromoethane	<3.2	<6.0															
1,2-Dichlorobenzene	<4.6	<8.0															
1,2-Dichloroethane	<6.0	<6.0															
cis-1,2-Dichloroethene	<5.0	<6.0															
trans-1,2-Dichloroethene	<5.0	<6.0															
1,2-Dichloropropane	<4.4	<5.8															
1,3,5-Trimethylbenzene	<b>500</b>	<b>92</b>															
1,3-Dichlorobenzene	<5.2	<6.0															
cis-1,3-Dichloropropene	<3.8	<5.6															
1,3-Dichloropropane	<4.6	<6.0															
trans-1,3-Dichloropropene	<3.8	<6.0															
1,4-Dichlorobenzene	<4.6	<6.0															
2,2-Dichloropropane	<5.0	<5.6															
2-Butanone (MEK)	<48	<60															
2-Chloroethyl vinyl ether																	
2-Chlorotoluene	<4.4	<6.0															
2-Hexanone	<80	<80															
4-Chlorotoluene	<b>48</b>	<5.8															
4-Methyl-2-Pentanone (MIBK)	<60	<60															
Acetone	<100	<100															
Benzene	<3.8	<6.0															
Bromobenzene	<4.0Q	<6.0															
Bromochloromethane	<4.4	<8.0															
Bromodichloromethane	<4.0	<6.0															
Bromoform	<4.4	<4.8															
Bromomethane	<10	<6.0															
n-Butylbenzene	<b>94</b>	<b>25</b>															
sec-Butylbenzene	<b>71</b>	<b>37</b>															
tert-Butylbenzene	<b>13</b>	<b>11</b>															
Carbon disulfide	<10	<12															
Carbon tetrachloride	<4.6	<8.0															
Chlorobenzene	<4.8	<6.0															
Dibromochloromethane	<3.8	<5.2															
Chloroethane	<8.0	<6.0															
Chloroform	<3.0	<4.6															
Chloromethane	<8.0	<8.0															
Dibromomethane	<4.8	<6.0															
Dichlorodifluoromethane	<5.2	<6.0															
Diisopropyl Ether	<4.0	<6.0															
Ethylbenzene	<b>18</b>	<b>13</b>															
Hexachlorobutadiene	<6.0	<8.0															
Isopropylbenzene	<b>22</b>	<b>41</b>															

Volatile Organic Compounds - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W03A

Parameter	07/15/10	07/20/11	07/10/12	07/05/13	07/09/14	7/9/2014 Duplicate	7/8/2015	7/8/2015 Duplicate	7/7/2016	7/17/2017	7/18/2018	7/11/2019	7/8/2020	7/13/2021	7/13/2021 Duplicate	7/11/2022	7/10/2023
p-Isopropyltoluene	<b>78</b>	<b>18</b>															
Methyl tert-butyl ether	<5.8	<6.0															
Methylene chloride	<b>19</b>	<b>23 B</b>															
Naphthalene	<b>95</b>	<b>55</b>	<b>18</b>	<b>47</b>	<b>40</b>	<b>34</b>	<b>38</b>	<b>25</b>	<b>27</b>	<b>53</b>	<b>11</b>	<b>46</b>	<b>43</b>	<b>5.9 Y</b>	<b>6.2 Y</b>	<22	<b>30</b>
n-Propylbenzene	<b>74</b>	<b>33</b>															
Styrene	<4.0	<6.0															
Tetrachloroethene	<6.0	<6.0															
Tetrahydrofuran	<60	<80															
Toluene	<4.4	<6.0															
Trichloroethene	<4.2	<8.0															
Trichlorofluoromethane	<4.0	<8.0															
Vinyl acetate	<60	<80															
Vinyl chloride	<3.6	<3.8															
Xylene, m & p-	<b>55</b>	<b>21</b>		<b>16</b>	<20	<20	<22	<22	<b>21</b>	<b>18</b>	<8.0	<16	<b>27</b>	<b>19</b>	<b>23</b>	<40	<40
Xylene, o-	<b>200</b>	<b>87</b>		<b>72</b>	<b>90</b>	<b>66</b>	<b>67</b>	<b>45</b>	<b>59</b>	<b>100</b>	<b>25</b>	<b>96</b>	<b>84</b>	<b>85</b>	<b>96</b>	<b>93</b>	<b>68</b>
Xylenes, Total	<b>255</b>	<b>108</b>		<b>88</b>	<b>90</b>	<b>66</b>	<b>67</b>	<b>45</b>	<b>80</b>	<b>118</b>	<b>25</b>	<b>96</b>	<b>111</b>	<b>104</b>	<b>119</b>	<b>93</b>	<b>68</b>

Prepared By: T. Dushek, 8/7/23

Checked by: A. Voit, 10/11/23

**NOTES:**

All Units are in ug/L

Bold values indicate detections

**A** = Analyte averaged calibration criteria within acceptable limits

**B** = Analyte detected in associated Method Blank

**M** = Matrix spike or matrix spike duplicate outside acceptance limits.

**J** = Estimated Value

**Q** = Lab Control Sample outside acceptance limits

\* = Suspected methylene chloride laboratory contamination.

Volatile Organic Compounds - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W03B

Parameter	02/22/92	09/17/92	12/18/92	03/23/93	06/29/93	12/28/93	06/22/94	07/06/95	07/10/96	07/11/97	06/24/98	06/09/99	07/18/00	01/31/01	07/11/01	08/06/02	07/24/03	07/13/04
1,1,1,2-Tetrachloroethane				<1		<1	<1		<1	<0.1	<0.3	<0.3	<0.4	<0.20	<0.4	<0.90	<0.90	<0.90
1,1,1-Trichloroethane	<5	<50	<5	<1	<1	<1	<1	<1	<1	<0.3	<0.3	<0.3	<0.3	<0.20	<0.3	<0.50	<0.50	<0.50
1,1,2,2-Tetrachloroethane	<5	<50	<5	<1	<1	<1	<1	<1	<1	<0.2	<0.2	<0.2	<0.4	<0.20	<0.4	<0.80	<0.80	<0.80
1,1,2-Trichloroethane	<5	<50	<5	<1	<1	<1	<1	<1	<1	<1	<0.2	<0.2	<0.2	<0.10	<0.2	<0.90	<0.90	<0.90
1,1-Dichloroethane	<5	<50	<5	<1	<1	<1	<1	<1	<1	<0.2	<0.2	<0.2	<0.4	<0.10	<0.4	<0.50	<0.50	<0.50
1,1-Dichloroethene	<5	<50	<5	<1	<1	<1	<1	<1	<1	<0.4	<0.2	<0.2	<0.9	<0.20	<0.9	<0.40	<0.40	<0.40
1,1-Dichloropropene				<1		<1	<1		<1	<0.2	<0.3	<0.3	<0.4	<0.20	<0.4	<0.50	<0.50	<0.50
1,2,3-Trichlorobenzene				<1	<1	<1	<1		<1	<0.5	<0.4	<0.4	<0.5	<0.30	<0.5	<0.50	<0.50	<0.50
1,2,3-Trichloropropane				<1		<1	<1		<1	<0.3	<0.2	<0.2	<0.3	<0.10	<0.3	<0.80	<0.80	<0.80
1,2,4-Trichlorobenzene				<1	<1	<1	<1		<1	<0.5	<0.3	<0.3	<0.5	<0.30	<0.5	<0.50	<0.50	<0.50
1,2,4-Trimethylbenzene				<1	<b>5</b>	<b>3.8</b>	<b>8.2</b>		<b>4.6</b>	<b>&lt;0.7</b>	<b>5.8</b>	<b>1.3</b>	<0.2	<0.10	<0.2	<0.50	<0.50	<0.50
1,2-Dibromo-3-chloropropane				<3	<3	<3	<3		<3	<0.3	<0.3	<0.3	<0.3	<0.40	<0.3	<0.40	<0.40	<0.40
1,2-Dibromoethane				<2	<2	<2	<2		<2	<0.2	<0.4	<0.4	<0.3	<0.10	<0.3	<0.30	<0.30	<0.30
1,2-Dichlorobenzene				<1	<1	<1	<1	<1	<1	<0.3	<0.3	<0.3	<0.3	<0.20	<0.3	<0.70	<0.70	<0.70
1,2-Dichloroethane	<5	<50	<5	<1	<1	<1	<1	<1	<1	<0.2	<0.2	<0.2	<0.4	<0.20	<0.4	<0.90	<0.90	<0.90
cis-1,2-Dichloroethene				<1	<1	<1	<1	<1	<1	<0.2	<0.2	<0.2	<0.4	<0.20	<0.4	<0.50	<0.50	<0.50
trans-1,2-Dichloroethene	<5	<50	<5	<1	<1	<1	<1	<1	<1	<0.2	<0.3	<0.3	<0.8	<0.10	<0.8	<0.40	<0.40	<0.40
1,2-Dichloropropane	<5	<50	<5	<1	<1	<1	<1	<1	<1	<0.1	<0.2	<0.2	<0.3	<0.20	<0.3	<0.40	<0.40	<0.40
1,3,5-Trimethylbenzene				<1	<b>2.4</b>	<b>1.8</b>	<b>3.3</b>		<b>2.4</b>	<0.4	<b>3.2</b>	<b>1.3</b>	<0.3	<0.10	<0.3	<0.50	<0.50	<0.50
1,3-Dichlorobenzene				<1	<1	<1	<1	<1	<1	<0.7	<0.4	<0.4	<0.4	<0.10	<0.4	<0.50	<0.50	<0.50
cis-1,3-Dichloropropene	<5	<50	<5	<1		<1	<1	<1	<1	<0.3	<0.3	<0.3	<0.2	<0.10	<0.2	<0.60	<0.60	<0.60
1,3-Dichloropropane				<1	<1	<1	<1	<1	<1	<0.3	<0.6	<0.6	<0.4	<0.10	<0.4	<1.2	<1.2	<1.2
trans-1,3-Dichloropropene	<5	<50	<5	<1	<1	<1	<1	<1	<1	<0.2	<0.2	<0.2	<0.5	<0.10	<0.5	<0.70	<0.70	<0.70
1,4-Dichlorobenzene				<1	<1	<1	<1	<1	<1	<0.3	<0.3	<0.3	<0.4	<0.10	<0.4	<0.50	<0.50	<0.50
2,2-Dichloropropane				<1	<1	<1	<1		<1	<0.2	<0.5	<0.5	<0.2	<0.20	<0.2	<0.60	<0.60	<0.60
2-Butanone (MEK)	<10	<100	<10															
2-Chloroethyl vinyl ether								<10										
2-Chlorotoluene				<1	<1	<1	<1		<1	<0.4	<0.3	<0.3	<0.4	<0.10	<0.4	<0.60	<0.60	<0.60
2-Hexanone	<10	<100	<10															
4-Chlorotoluene				<1	<1	<1	<1		<1	<0.3	<0.3	<0.3	<0.3	<0.20	<0.3	<0.60	<0.60	<0.60
4-Methyl-2-Pentanone (MIBK)	<10	<100	<10															
Acetone	<b>12.3</b>	<b>1040</b>	<10															
Benzene	<5	<50	<5	<1	<1	<1	<1	<1	<1	<0.2	<0.3	<0.3	<0.1	<0.10	<0.1	<0.40	<0.40	<0.40
Bromobenzene				<1	<1	<1	<1		<1	<0.3	<0.2	<0.2	<0.5	<0.10	<0.5	<0.50	<0.50	<0.50
Bromochloromethane				<1	<1	<1	<1		<1	<0.4	<0.2	<0.2	<0.4	<0.10	<0.4	<0.50	<0.50	<0.50
Bromodichloromethane	<5	<50	<5	<1	<1	<1	<1	<1	<1	<0.2	<0.2	<0.2	<0.2	<0.10	<0.2	<0.40	<0.40	<0.40

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Parameter	02/22/92	09/17/92	12/18/92	03/23/93	06/29/93	12/28/93	06/22/94	07/06/95	07/10/96	07/11/97	06/24/98	06/09/99	07/18/00	01/31/01	07/11/01	08/06/02	07/24/03	07/13/04
Bromoform	<5	<50	<5	<1		<1	<1	<1	<1	<0.3	<0.2	<0.2	<0.1	<0.20	<0.1	<0.60	<0.60	<0.60
Bromomethane	<10	<100	<10	<2		<2	<2	<2	<2	<0.3	<0.9	<0.9	<0.4	<0.40	<0.4	<0.80	<0.80	<0.80
n-Butylbenzene				<1	<1	<b>1.6</b>	<b>3</b>		<b>3.6</b>	<0.6	<b>3.2</b>	<b>3.1</b>	<0.4	<0.10	<0.4	<0.50	<0.50	14
sec-Butylbenzene				<1	<b>1.6</b>	<1	<1		<b>1.1</b>	<0.3	<b>1.1</b>	<0.2	<0.3	<0.20	<0.3	<0.50	<0.50	8
tert-Butylbenzene				<1	<1	<1	<1		<1	<0.3	<0.3	<0.3	<0.1	<0.10	<0.1	<0.50	<0.50	5.6
Carbon disulfide	<5	<50	<5															
Carbon tetrachloride	<5	<50	<5	<1	<1	<1	<1	<1	<1	<0.2	<0.4	<0.4	<0.3	<0.10	<0.3	<0.60	<0.60	<0.60
Chlorobenzene	<5	<50	<5	<1	<1	<1	<1	<1	<1	<0.3	<0.3	<0.3	<0.3	<0.10	<0.3	<0.80	<0.80	<0.80
Chlorodibromomethane	<5	<50	<5	<1	<1	<1	<1	<1	<1	<0.3	<0.3	<0.3	<0.4	<0.20	<0.4	<0.40	<0.40	<0.40
Chloroethane	<10	<100	<10	<2	<10	<2	<2	<2	<2	<0.4	<0.8	<0.8	<0.5	<0.40	<0.5	<0.50	<0.50	<0.50
Chloroform	<5	<50	<5	<1	<1	<1	<1	<1	<1	<0.2	<0.2	<0.2	<0.5	<0.10	<0.5	<0.60	<0.60	<0.60
Chloromethane	<10	<100	<10	<2	<20	<2	<2	<2	<2	<0.7	<0.9	<0.9	<0.3	<0.20	<0.3	<0.40	<0.40	<0.40
Dibromomethane				<1		<1	<1		<1	<0.1	<0.2	<0.2	<0.4	<0.20	<0.4	<0.50	<0.50	<0.50
Dichlorodifluoromethane				<2	<40	<2	<2		<2	<0.3	<1.2	<1.2	<0.5	<0.10	<0.5	<0.50	<0.50	<0.50
Diisopropyl Ether					<1							<0.3	<0.1	<0.10	<0.1	<0.50	<0.50	<0.50
Ethylbenzene	<5	<50	<5	<1	<1	<1	<1	<1	<1	<0.2	<0.2	<0.2	<0.1	<0.10	<0.1	<0.50	<0.50	<0.50
Hexachlorobutadiene				<1	<1	<1	<1	<1	<1	<0.5	<0.6	<0.6	<0.6	<0.20	<0.6	<0.50	<0.50	<0.50
Isopropylbenzene				<1	<1	<1	<1		<1	<0.2	<b>0.8</b>	<0.2	<0.1	<0.10	<0.1	<0.50	<0.50	<0.50
p-Isopropyltoluene				<1	<1	<1	<1		<b>1.6</b>	<0.4	<b>1.4</b>	<b>0.8</b>	<0.2	<0.10	<0.2	<0.50	<0.50	<0.50
Methyl tert-butyl ether					<1							<0.2	<1.1	<0.30	<1.1	<0.50	<0.50	<0.50
Methylene chloride	<5	<b>534</b>	<10	<3	<3	<3	<3	<3	<3	<0.3	<0.5	<0.5	<1.9	<0.40	<1.9	<1.0	<1.0	<b>3.1 J,A,B,Q</b>
Naphthalene	<10	<b>91.6</b>	<10	<1	<b>1.5</b>	<1	<1	<1	<b>1.4</b>	<0.8	<b>1.3</b>	<1.1	<0.7	<0.20	<0.7	<0.50	<0.50	<0.50
n-Propylbenzene				<1	<1	<1	<1		<b>1.1</b>	<0.3	<b>1.1</b>	<0.2	<0.3	<0.10	<0.3	<0.50	<0.50	<0.50
Styrene	<5	<50	<5	<1		<1	<1		<1	<0.2	<0.2	<0.2	<0.2	<0.10	<0.2	<0.50	<0.50	<0.50
Tetrachloroethene	<5	<50	<5	<1	<1	<1	<1	<b>1.3</b>	<1	<0.3	<0.6	<0.6	<0.4	<0.10	<0.4	<0.50	<0.50	<0.50
Tetrahydrofuran																		0.60
Toluene	<5	<50	<5	<1	<1	<1	<1	<1	<1	<0.2	<0.2	<0.2	<0.1	<0.20	<0.1	<0.50	<0.50	<0.50
Trichloroethene	<5	<50	<5	<1	<b>8.9</b>	<1	<b>2.2</b>	<b>1.8</b>	<b>4.4</b>	<b>1</b>	<b>3.5</b>	<b>0.3</b>	<b>0.55</b>	<b>0.76</b>	<b>0.46 e</b>	<b>2.1</b>	<b>2.1</b>	<0.15
Trichlorofluoromethane				<1	<1	<1	<1	<1	<1	<0.5	<0.6	<0.6	<0.4	<0.20	<0.4	<0.40	<0.40	<0.40
Vinyl acetate	<10	<100	<10															
Vinyl chloride	<10	<100	<10	<1	<1	<1	<1	<1	<1	<0.3	<0.5	<0.5	<0.4	<0.10	<0.4	<0.30	<0.30	<0.30
Xylene, o-				<1	<b>6.4</b>	<1	<b>1.9</b>	<1	<b>2.2</b>	<0.2	<0.5	<0.5	<0.1	<0.20	<0.2	<0.60	<0.60	<0.60
Xylene, m & p-				<2	<2	<2	<2	<2	<2	<0.4	<b>1.4</b>	<0.3	<0.2	<0.10	<0.1	<0.50	<0.50	<0.50
Xylenes, Total	<5	<50	<5	<3	<b>6.4</b>	<3	<b>1.9</b>	<3	<b>2.2</b>	<0.6	<b>1.4</b>	<0.8	<0.3					

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Parameter	07/20/05	07/18/06	07/11/07	07/23/08	07/06/09	07/15/10	07/18/11	07/06/12	07/01/13	07/09/14	07/07/15	07/05/16	07/13/17	07/11/18	07/09/19	07/07/20	07/08/21	07/11/22	07/07/23
1,1,1,2-Tetrachloroethane	<0.50	<0.70	<0.60	<0.60	<0.60	<0.24	<0.40												
1,1,1-Trichloroethane	<0.60	<0.50	<0.60	<0.60	<0.60	<0.21	<0.29												
1,1,2,2-Tetrachloroethane	<0.15	<0.13	<0.14	<0.14	<0.14	<0.19	<0.30												
1,1,2-Trichloroethane	<0.40	<0.50	<0.50	<0.50	<0.50	<0.26	<0.30												
1,1-Dichloroethane	<0.50	<0.40	<0.40	<0.40	<0.40	<0.20	<0.28												
1,1-Dichloroethene	<0.50	<0.30	<0.40	<0.40	<0.40	<0.24	<0.29												
1,1-Dichloropropene	<0.50	<0.60	<0.50	<0.50	<0.50	<0.24	<0.40												
1,2,3-Trichlorobenzene	<0.60	<0.50	<0.50	<0.50	<0.50	<0.30	<0.40												
1,2,3-Trichloropropane	<0.60	<0.70	<0.30	<0.30	<0.30	<0.21	<0.40												
1,2,4-Trichlorobenzene	<0.70	<0.70	<0.40	<0.40	<0.40	<0.30	<0.30												
1,2,4-Trimethylbenzene	<0.40	<0.50	<0.24	<0.24	<0.24	<b>12</b>	<b>11</b>		<0.40	<0.60	<0.50	<0.40	<b>0.54</b>	<0.40	<0.40	<0.40	<b>1.4</b>	<0.91	<0.91
1,2-Dibromo-3-chloropropane	<1.1	<0.30	<0.40	<0.40	<0.40	<0.40	<0.50												
1,2-Dibromoethane	<0.60	<0.50	<0.13	<0.13	<0.13	<0.16	<0.30												
1,2-Dichlorobenzene	<0.50	<0.50	<0.40	<0.40	<0.40	<0.23	<0.40												
1,2-Dichloroethane	<0.50	<0.50	<0.30	<0.30	<0.30	<0.30	<0.30												
cis-1,2-Dichloroethene	<0.60	<0.40	<0.40	<0.40	<0.40	<b>0.58</b>	<b>0.4</b>												
trans-1,2-Dichloroethene	<0.60	<0.40	<0.50	<0.50	<0.50	<0.25	<0.30												
1,2-Dichloropropane	<0.50	<0.50	<0.21	<0.21	<0.21	<0.22	<0.29												
1,3,5-Trimethylbenzene	<0.50	<0.40	<0.19	<0.19	<0.19	<b>1.6</b>	<0.30												
1,3-Dichlorobenzene	<0.50	<0.40	<0.40	<0.40	<0.40	<0.26	<0.30												
cis-1,3-Dichloropropene	<0.12	<0.15	<0.14	<0.14	<0.14	<0.19	<0.28												
1,3-Dichloropropane	<0.60	<0.50	<0.19	<0.19	<0.19	<0.23	<0.30												
trans-1,3-Dichloropropene	<0.14	<0.14	<0.14	<0.14	<0.14	<0.19	<0.30												
1,4-Dichlorobenzene	<0.50	<0.60	<0.50	<0.50	<0.50	<0.23	<0.30												
2,2-Dichloropropane	<0.60	<0.60	<0.30	<0.30	<0.30	<0.25	<0.28												
2-Butanone (MEK)	<7.0	<5.0	<4.0	<4.0	<4.0	<2.4	<3.0												
2-Chloroethyl vinyl ether																			
2-Chlorotoluene	<0.50	<0.50	<0.30	<0.30	<0.30	<0.22	<0.30												
2-Hexanone	<7.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0												
4-Chlorotoluene	<0.40	<0.60	<0.30	<0.30	<0.30	<0.21	<0.29												
4-Methyl-2-Pentanone (MIBK)	<7.0	<6.0	<3.0	<3.0	<3.0	<3.0	<3.0												
Acetone	<9.0	<10.0	<7.0	<7.0	<7.0	<5.0	<5.0												
Benzene	<0.40	<0.40	<0.16	<0.16	<0.16	<0.19	<0.30												
Bromobenzene	<0.50	<0.60	<0.30	<0.30	<0.30	<0.20Q	<0.30												
Bromochloromethane	<0.50	<0.70	<0.21	<0.21	<0.21	<0.22	<0.40												
Bromodichloromethane	<0.13	<0.15	<0.19	<0.19	<0.19	<0.20	<0.30												

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Parameter	07/20/05	07/18/06	07/11/07	07/23/08	07/06/09	07/15/10	07/18/11	07/06/12	07/01/13	07/09/14	07/07/15	07/05/16	07/13/17	07/11/18	07/09/19	07/07/20	07/08/21	07/11/22	07/07/23
Bromoform	<0.50	<0.21	<0.50	<0.50	<0.50	<0.22	<0.24												
Bromomethane	<0.80	<0.90	<0.40	<0.40	<0.40	<0.40	<0.30												
n-Butylbenzene	<0.60	<0.40	<0.24	<0.24	<0.24	<b>0.57</b>	<b>0.38</b>												
sec-Butylbenzene	<0.50	<0.50	<0.29	<0.29	<0.29	<b>3.6</b>	<b>2.3</b>												
tert-Butylbenzene	<0.50	<0.50	<0.23	<0.23	<0.23	<b>0.88</b>	<b>1.1</b>												
Carbon disulfide	<1.1	<1.0	<0.50	<0.50	<0.50	<0.50	<0.60												
Carbon tetrachloride	<0.50	<0.50	<0.40	<0.40	<0.40	<0.23	<0.40												
Chlorobenzene	<0.50	<0.40	<0.30	<0.30	<0.30	<0.24	<0.30												
Chlorodibromomethane	<0.60	<0.60	<0.23	<0.23	<0.23	<0.19	<0.26												
Chloroethane	<0.70	<0.60	<0.40	<0.40	<0.40	<0.40	<0.30												
Chloroform	<0.50	<0.50	<b>0.3</b>	<b>0.88</b>	<b>0.36</b>	<b>0.93</b>	<b>1.2</b>												
Chloromethane	<0.24	<0.30	<0.30	<0.30	<b>0.93B</b>	<0.40	<0.40												
Dibromomethane	<0.70	<0.80	<0.40	<0.40	<0.40	<0.24	<0.30												
Dichlorodifluoromethane	<0.60	<0.29	<0.40	<0.40	<0.40	<0.26	<0.30												
Diisopropyl Ether	<0.50	<0.40	<0.50	<0.50	<0.50	<0.20	<0.30												
Ethylbenzene	<0.50	<0.50	<0.28	<0.28	<0.28	<b>1.7</b>	<b>0.31</b>												
Hexachlorobutadiene	<0.60	<0.90	<0.60	<0.60	<0.60	<0.30	<0.40												
Isopropylbenzene	<0.40	<0.60	<0.20	<0.20	<0.20	<b>3</b>	<b>0.96</b>												
p-Isopropyltoluene	<0.40	<0.40	<0.17	<0.17	<0.17	<0.23	<0.30												
Methyl tert-butyl ether	<0.60	<0.40	<0.23	<0.23	<0.23	<0.29	<0.30												
Methylene chloride	<0.40	<1.0	<0.50	<0.50	<0.50	<0.40	<0.40												
Naphthalene	<0.60	<0.70	<0.60	<0.60	<0.60	<b>3.9</b>	<b>2.2</b>	<0.32	<0.50	<1.2	<0.50	<0.90	<0.90	<0.90	<0.90	<0.90	<0.90	<1.1	<1.1
n-Propylbenzene	<0.40	<0.40	<0.20	<0.20	<0.20	<b>3.8</b>	<b>0.81</b>												
Styrene	<0.50	<0.50	<0.30	<0.30	<0.30	<0.20	<0.30												
Tetrachloroethene	<0.40	<0.29	<0.40	<0.40	<0.40	<b>0.33</b>	<0.30												
Tetrahydrofuran	<7.0	<7.0	<4.0	<4.0	<4.0	<3.0	<4.0												
Toluene	<0.40	<0.40	<0.20	<0.20	<0.20	<0.22	<0.30												
Trichloroethene	<b>3.6 M</b>	<b>2.8</b>	<b>2.9</b>	<b>7.7</b>	<b>3.4</b>	<b>8.8</b>	<b>6.5</b>												
Trichlorofluoromethane	<0.50	<0.70	<0.40	<0.40	<0.40	<0.20	<0.40												
Vinyl acetate	<8.0	<1.7	<1.1	<1.1	<1.1	<3.0	<4.0												
Vinyl chloride	<0.12	<0.15	<0.15	<0.15	<0.15	<0.18	<0.19												
Xylene, o-	<0.40	<0.9	<0.50	<0.50	<0.50	<b>0.5</b>	<b>3.2</b>	<0.90	<1.0	<1.1	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<2.0	<2.0
Xylene, m & p-	<1.0	<0.60	<0.50	<0.50	<0.50	<b>15</b>	<0.60	<0.50	<0.50	<0.50	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<1.1	<1.1
Xylenes, Total		<1.5	<1.0	<1.0	<1.0	<b>15.5</b>	<b>3.2</b>	<1.4	<1.5	<1.6	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<3.1	<3.1

Prepared By: T. Dushek, 8/7/23

Checked by: A. Voit, 10/11/23

**NOTES:**

All Units are in ug/L

**B** = Analyte detected in associated Method Blank

**J** = Estimated Value



Volatile Organic Compounds - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W6R

Parameter	07/24/03	07/23/08	7/23/2008 Duplicate	07/14/10	07/25/11	07/09/12	07/08/13	7/8/2013 Duplicate	07/09/14	07/09/15	7/9/2015 Duplicate	07/12/16	07/18/17	07/12/18	07/11/19	07/08/20	07/13/21	07/12/22	07/11/23	7/11/2023 Duplicate
1,1,1,2-Tetrachloroethane	<90	<30	<30	<6.0	<2.0															
1,1,1-Trichloroethane	<50	<30	<30	<5.3	<1.5															
1,1,2,2-Tetrachloroethane	<80	<7	<7	<4.8	<1.5															
1,1,2-Trichloroethane	<90	<25	<25	<6.5	<1.5															
1,1-Dichloroethane	<50	<20	<20	<5.0	<1.4															
1,1-Dichloroethene	<40	<20	<20	<6.0	3.9															
1,1-Dichloropropene	<50	<25	<25	<6.0	<2.0															
1,2,3-Trichlorobenzene	<50	<25	<25	<7.5	<2.0															
1,2,3-Trichloropropane	<80	<15	<15	<5.3	<2.0															
1,2,4-Trichlorobenzene	<50	<20	<20	<7.5	<1.5															
1,2,4-Trimethylbenzene	1500	1400	1800	1000	230		200	280	66	49	61	13	1.1	14	120	4.9	77	74	75	64
1,2-Dibromo-3-chloropropane	<40	<20	<20	<10	<2.5															
1,2-Dibromoethane	<30	<6.5	<6.5	<4.0	<1.5															
1,2-Dichlorobenzene	<70	<20	<20	<5.8	<2.0															
1,2-Dichloroethane	<90	<15	<15	<7.5	<1.5															
cis-1,2-Dichloroethene	<50	<20	<20	<6.3	<1.5															
trans-1,2-Dichloroethene	<40	<25	<25	<6.3	<1.5															
1,2-Dichloropropane	<40	<11	<11	<5.5	<1.5															
1,3,5-Trimethylbenzene	680	560	720	520	150															
1,3-Dichlorobenzene	<50	<20	<20	<6.5	<1.5															
cis-1,3-Dichloropropene	<60	<7	<7	<4.8	<1.4															
1,3-Dichloropropane	<120	<9.5	<9.5	<5.8	<1.5															
trans-1,3-Dichloropropene	<70	<7	<7	<4.8	<1.5															
1,4-Dichlorobenzene	<50	<25	<25	<5.8	<1.5															
2,2-Dichloropropane	<60	<15	<15	<6.3	<1.4															
2-Butanone (MEK)		<200	<200	<60	<15															
2-Chloroethyl vinyl ether																				
2-Chlorotoluene	<60	<15	<15	<5.5	<1.5															
2-Hexanone		<200	<200	<100	<20															
4-Chlorotoluene	<60	<15	<15	<5.3	<1.5															
4-Methyl-2-Pentanone (MIBK)		<150	<150	<75	<15															
Acetone		<350	<350	<130	<25															
Benzene	<40	<8	<8	<4.8	<1.5															
Bromobenzene	<50	<15	<15	<5.0Q	<1.5															
Bromochloromethane	<50	<11	<11	<5.5	<2.0															
Bromodichloromethane	<40	<9.5	<9.5	<5.0	<1.5															
Bromoform	<60	<25	<25	<5.5	<1.2															
Bromomethane	<80	<20	<20	<13	<1.5															
n-Butylbenzene	400	96	130	66	34															
sec-Butylbenzene	<50	55	76	48	20															
tert-Butylbenzene	<50	14	20	<5.0	6.7															
Carbon disulfide		<25	<25	<13	<3.0															
Carbon tetrachloride	<60	<20	<20	<5.8	<2.0															
Chlorobenzene	<80	<15	<15	<6.0	<1.5															
Chlorodibromomethane	<40	<12	<12	<4.8	<1.3															
Chloroethane	<50	<20	<20	<10	<1.5															
Chloroform	<60	<11	<11	<3.8	1.7															

Volatile Organic Compounds - Historical Data  
WAULECO, INC - Wausau Facility  
Well - W6R

Parameter	07/24/03	07/23/08	7/23/2008 Duplicate	07/14/10	07/25/11	07/09/12	07/08/13	7/8/2013 Duplicate	07/09/14	07/09/15	7/9/2015 Duplicate	07/12/16	07/18/17	07/12/18	07/11/19	07/08/20	07/13/21	07/12/22	07/11/23	7/11/2023 Duplicate	
Chloromethane	<40	<15	<15	<10	<2.0																
Dibromomethane	<50	<20	<20	<6.0	<1.5																
Dichlorodifluoromethane	<50	<20	<20	<6.5	<1.5																
Diisopropyl Ether	<50	<25	<25	<5.0	<1.5																
Ethylbenzene	<50	<14	<14	<b>7.6</b>	<b>5.9</b>																
Hexachlorobutadiene	<50	<30	<30	<7.5	<2.0																
Isopropylbenzene	<50	<b>45</b>	<b>53</b>	<b>8.1</b>	<b>17</b>																
p-Isopropyltoluene	<b>66</b>	<b>76</b>	<b>110</b>	<b>51</b>	<b>27</b>																
Methyl tert-butyl ether	<50	<12	<12	<7.3	<1.5																
Methylene chloride	<100	<25	<25	<b>33</b>	<b>2.3 B</b>																
Naphthalene	<b>200</b>	<b>100</b>	<b>110</b>	<b>96</b>	<b>36</b>	<b>2.1</b>	<b>25</b>	<b>26</b>	<b>11</b>	<b>12</b>	<b>12</b>	<b>1.6</b>	<0.90	<b>2.4</b>	<b>17</b>	<0.90	<4.5 Y	<5.5	<5.5	<5.5	
n-Propylbenzene	<b>78</b>	<b>74</b>	<b>96</b>	<b>79</b>	<b>28</b>																
Styrene	<50	<15	<15	<5.0	<1.5																
Tetrachloroethene	<50	<20	<20	<b>7.7</b>	<b>4.8</b>																
Tetrahydrofuran		<200	<200	<75	<20																
Toluene	<50	<10	<10	<5.5	<1.5																
Trichloroethene	<60	<7.5	<7.5	<5.3	<b>22</b>																
Trichlorofluoromethane	<40	<20	<20	<5.0	<2.0																
Vinyl acetate		<55	<55	<75	<20																
Vinyl chloride	<30	<7.5	<7.5	<4.5	<0.95																
Xylene, m & p-	<b>82</b>	<b>40</b>	<b>42</b>	<b>22</b>	<b>12</b>		<9.0	<9.0	<b>2.7</b>	<b>5.7</b>	<b>5.7</b>	<b>1.5</b>	<0.80	<0.80	<b>12</b>	<0.80	<b>6.4</b>	<10	<10	<10	
Xylene, o-	<b>300</b>	<b>190</b>	<b>210</b>	<b>170</b>	<b>93</b>		<b>48</b>	<b>45</b>	<b>40</b>	<b>41</b>	<b>41</b>	<b>9.2</b>	<b>1.5</b>	<b>11</b>	<b>54</b>	<b>2</b>	<b>38</b>	<b>14</b>	<b>8.7</b>	<b>7.6</b>	
Xylenes, Total	<b>382</b>	<b>230</b>	<b>252</b>	<b>192</b>	<b>105</b>		<b>48</b>	<b>45</b>	<b>42.7</b>	<b>46.7</b>	<b>46.7</b>	<b>10.7</b>	<b>1.5</b>	<b>11</b>	<b>66</b>	<b>2</b>	<b>44.4</b>	<b>14</b>	<b>8.7</b>	<b>7.6</b>	

Prepared By: T. Dushek, 8/7/23

Checked by: A. Voit, 10/11/23

**NOTES:**

All Units are in ug/L

Bold values indicate detections

**A** = Analyte averaged calibration criteria within acceptable limits

**B** = Analyte detected in associated Method Blank

**M** = Matrix spike or matrix spike duplicate outside acceptance limits.

**J** = Estimated Value

**Q** = Lab Control Sample outside acceptance limits

\* = Suspected methylene chloride laboratory contamination.

Volatile Organic Compounds - Historical Data  
WAULECO, INC - Wausau Facility  
Well - W08

Parameter	06/14/92	09/17/92	12/19/92	03/23/93	06/28/93	12/27/93	06/21/94	07/06/95	07/08/96	07/11/97	06/23/98	06/07/99	07/17/00	01/30/01	07/10/01	08/05/02	07/22/03	07/12/04	07/19/05
1,1,1,2-Tetrachloroethane				<1		<1	<1		<1	<0.1	<0.3	<0.3	<0.4	<0.20	<0.4	<0.90	<0.90	<0.90	<0.50
1,1,1-Trichloroethane	<5	<50	<5	<1	<1	<1	<1	<1	<1	<0.3	<0.3	<0.3	<0.3	<0.20	<0.3	<0.50	<0.50	<0.50	<0.60
1,1,2,2-Tetrachloroethane	<5	<50	<5	<1	<1	<1	<1	<1	<1	<0.2	<0.2	<0.2	<0.4	<0.20	<0.4	<0.80	<0.80	<0.80	<0.15
1,1,2-Trichloroethane	<5	<50	<5	<1	<1	<1	<1	<1	<1	<0.2	<0.2	<0.2	<0.2	<0.10	<0.2	<0.90	<0.90	<0.90	<0.40
1,1-Dichloroethane	<5	<50	<5	<1	<1	<1	<1	<1	<1	<0.2	<0.2	<0.2	<0.4	<0.10	<0.4	<0.50	<0.50	<0.50	<0.50
1,1-Dichloroethene	<5	<50	<5	<1	<1	<1	<1	<1	<1	<0.4	<0.2	<0.2	<0.9	<0.20	<0.9	<0.40	<0.40	<0.40	<0.50
1,1-Dichloropropene				<1		<1	<1		<1	<0.2	<0.3	<0.3	<0.4	<0.20	<0.4	<0.50	<0.50	<0.50	<0.50
1,2,3-Trichlorobenzene				<1	<1	<1	<1		<1	<0.5	<0.4	<0.4	<0.5	<0.30	<0.5	<0.50	<0.50	<0.50	<0.60
1,2,3-Trichloropropane				<1		<1	<1		<1	<0.3	<0.2	<0.2	<0.3	<0.10	<0.3	<0.80	<0.80	<0.80	<0.60
1,2,4-Trichlorobenzene				<1	<1	<1	<1		<1	<0.5	<0.3	<0.3	<0.5	<0.30	<0.5	<0.50	<0.50	<0.50	<0.70
1,2,4-Trimethylbenzene				<1	<1	<1	<1		<1	<0.7	<0.6	<0.6	<0.2	<0.10	<0.2	<0.50	<0.50	<0.50	<0.40
1,2-Dibromo-3-chloropropane				<3	<3	<3	<3		<3	<0.3	<0.3	<0.3	<0.3	<0.40	<0.3	<0.40	<0.40	<0.40	<1.1
1,2-Dibromoethane				<2	<2	<2	<2		<2	<0.2	<0.4	<0.4	<0.3	<0.10	<0.3	<0.30	<0.30	<0.30	<0.60
1,2-Dichlorobenzene				<1	<1	<1	<1	<1	<1	<0.3	<0.3	<0.3	<0.3	<0.20	<0.3	<0.70	<0.70	<0.70	<0.50
1,2-Dichloroethane	<5	<50	<5	<1	<1	<1	<1	<1	<1	<0.2	<0.2	<0.2	<0.4	<0.20	<0.4	<0.90	<0.90	<0.90	<0.50
cis-1,2-Dichloroethene				<1	<1	<1	<1	<1	<1	<0.2	<0.2	<0.2	<0.4	<0.20	<0.4	<0.50	<0.50	<0.50	<0.60
trans-1,2-Dichloroethene	<5	<50	<5	<1	<1	<1	<1	<1	<1	<0.2	<0.3	<0.3	<0.8	<0.10	<0.8	<0.40	<0.40	<0.40	<0.60
1,2-Dichloropropane	<5	<50	<5	<1	<1	<1	<1	<1	<1	<0.1	<0.2	<0.2	<0.3	<0.20	<0.3	<0.40	<0.40	<0.40	<0.50
1,3,5-Trimethylbenzene				<1	<1	<1	<1		<1	<0.4	<0.3	<0.3	<0.3	<0.10	<0.3	<0.50	<0.50	<0.50	<0.50
1,3-Dichlorobenzene				<1	<1	<1	<1	<1	<1	<0.7	<0.4	<0.4	<0.4	<0.10	<0.4	<0.50	<0.50	<0.50	<0.50
cis-1,3-Dichloropropene	<5	<50	<5	<1	<1	<1	<1	<1	<1	<0.3	<0.3	<0.3	<0.2	<0.10	<0.2	<0.60	<0.60	<0.60	<0.12
1,3-Dichloropropane				<1	<1	<1	<1		<1	<0.3	<0.6	<0.6	<0.4	<0.10	<0.4	<1.2	<1.2	<1.2	<0.60
trans-1,3-Dichloropropene	<5	<50	<5	<1	<1	<1	<1	<1	<1	<0.2	<0.2	<0.2	<0.5	<0.10	<0.5	<0.70	<0.70	<0.70	<0.14
1,4-Dichlorobenzene				<1	<1	<1	<1	<1	<1	<0.3	<0.3	<0.3	<0.4	<0.10	<0.4	<0.50	<0.50	<0.50	<0.50
2,2-Dichloropropane				<1	<1	<1	<1		<1	<0.2	<0.5	<0.5	<0.2	<0.20	<0.2	<0.60	<0.60	<0.60	<0.60
2-Butanone (MEK)	<10	<100	<10																<7.0
2-Chloroethyl vinyl ether								<10											
2-Chlorotoluene				<1	<1	<1	<1		<1	<0.4	<0.3	<0.3	<0.4	<0.10	<0.4	<0.60	<0.60	<0.60	<0.50
2-Hexanone	<10	<100	<10																<7.0
4-Chlorotoluene				<1	<1	<1	<1		<1	<0.3	<0.3	<0.3	<0.3	<0.20	<0.3	<0.60	<0.60	<0.60	<0.40
4-Methyl-2-Pentanone (MIBK)	<10	<100	<10																<7.0
Acetone	<10	1980	<10																<9.0
Benzene	<5	<50	<5	<1	<1	<1	<1	<1	<1	<0.2	<0.3	<0.3	<0.1	<0.10	<0.1	<0.40	<0.40	<0.40	<0.40
Bromobenzene				<1	<1	<1	<1		<1	<0.3	<0.2	<0.2	<0.5	<0.10	<0.5	<0.50	<0.50	<0.50	<0.50
Bromochloromethane				<1	<1	<1	<1		<1	<0.4	<0.2	<0.2	<0.4	<0.10	<0.4	<0.50	<0.50	<0.50	<0.50
Bromodichloromethane	<5	<50	<5	<1	<1	<1	<1	<1	<1	<0.2	<0.2	<0.2	<0.2	<0.10	<0.2	<0.40	<0.40	<0.40	<0.13

Volatile Organic Compounds - Historical Data  
WAULECO, INC - Wausau Facility  
Well - W08

Parameter	06/14/92	09/17/92	12/19/92	03/23/93	06/28/93	12/27/93	06/21/94	07/06/95	07/08/96	07/11/97	06/23/98	06/07/99	07/17/00	01/30/01	07/10/01	08/05/02	07/22/03	07/12/04	07/19/05	
Bromoform	<5	<50	<5	<1		<1	<1	<1	<1	<0.3	<0.2	<0.2	<0.1	<0.20	<0.1	<0.60	<0.60	<0.60	<0.50	
Bromomethane	<10	<100	<10	<2		<2	<2	<2	<2	<0.3	<0.9	<0.9	<0.4	<0.40	<0.4	<0.80	<0.80	<0.80	<0.80	
n-Butylbenzene				<1	<1	<1	<1		<1	<0.6	<0.3	<0.3	<0.4	<0.10	<0.4	<0.50	<0.50	14	<0.60	
sec-Butylbenzene				<1	<1	<1	<1		<1	<0.3	<0.2	<0.2	<0.3	<0.20	<0.3	<0.50	<0.50	8	<0.50	
tert-Butylbenzene				<1	<1	<1	<1		<1	<0.3	<0.3	<0.3	<0.1	<0.10	<0.1	<0.50	<0.50	5.6	<0.50	
Carbon disulfide	<5	<50	<5										<0.10	<0.3					<1.1	
Carbon tetrachloride	<5	<50	<5	<1	<1	<1	<1	<1	<1	<0.2	<0.4	<0.4	<0.3			<0.60	<0.60	<0.60	<0.50	
Chlorobenzene	<5	<50	<5	<1	<1	<1	<1	<1	<1	<0.3	<0.3	<0.3	<0.3	<0.10	<0.3	<0.80	<0.80	<0.80	<0.50	
Chlorodibromomethane	<5	<50	<5	<1	<1	<1	<1	<1	<1	<0.3	<0.3	<0.3	<0.4	<0.20	<0.4	<0.40	<0.40	<0.40	<0.60	
Chloroethane	<10	<100	<10	<2	<2	<2	<2	<2	<2	<0.4	<0.8	<0.8	<0.5	<0.40	<0.5	<0.50	<0.50	<0.50	<0.70	
Chloroform	<b>8.76</b>	<50	<5	<b>1.8</b>	<b>1.6</b>	<1	<b>1.3</b>	<1	<1	<b>0.9</b>	<b>1.6</b>	<0.2	<0.5	<b>1.4</b>	<b>1.6</b>	<0.60	<0.60	<0.60	<0.50	
Chloromethane	<10	<100	<10	<2	<2	<2	<2	<2	<2	<0.7	<0.9	<0.9	<0.3	<0.20	<0.3	<0.40	<0.40	<0.40	<0.24	
Dibromomethane				<1		<1	<1		<1	<0.1	<0.2	<0.2	<0.4	<0.20	<0.4	<0.50	<0.50	<0.50	<0.70	
Dichlorodifluoromethane				<2	<2	<2	<2		<2	<0.3	<1.2	<1.2	<0.5	<0.10	<0.5	<0.50	<0.50	<0.50	<0.60	
Diisopropyl Ether					<1							<0.3	<0.1	<0.10	<0.1	<0.50	<0.50	<0.50	<0.50	
Ethylbenzene	<5	<50	<5	<1	<1	<1	<1	<1	<1	<0.2	<0.2	<0.2	<0.1	<0.10	<0.1	<0.50	<0.50	<0.50	<0.50	
Hexachlorobutadiene				<1	<1	<1	<1	<1	<1	<0.5	<0.6	<0.6	<0.6	<0.20	<0.6	<0.50	<0.50	<0.50	<0.60	
Isopropylbenzene				<1	<1	<1	<1		<1	<0.2	<0.2	<0.2	<0.1	<0.10	<0.1	<0.50	<0.50	<0.50	<0.40	
p-Isopropyltoluene				<1	<1	<1	<1		<1	<0.4	<0.2	<0.2	<0.2	<0.10	<0.2	<0.50	<0.50	<0.50	<0.40	
Methyl tert-butyl ether					<1							<0.2	<1.1	<0.30	<1.1	<0.50	<0.50	<0.50	<0.60	
Methylene chloride	<5	<b>1210</b>	<10	<3	<3	<3	<3	<3	<3	<0.3	<0.5	<0.5	<1.9	<0.40	<1.9	<1.0	<1.0	<b>3 J.A.B.Q</b>	<0.40	
Naphthalene	<11	<10	<10	<1	<1	<1	<1	<1	<1	<0.8	<1.1	<1.1	<0.7	<0.20	<0.7	<0.50	<0.50	<0.50	<0.60	
n-Propylbenzene				<1	<1	<1	<1		<1	<0.3	<0.2	<0.2	<0.3	<0.10	<0.3	<0.50	<0.50	<0.50	<0.40	
Styrene	<b>6.24</b>	<50	<5	<1		<1	<1		<1	<0.2	<0.2	<0.2	<0.2	<0.10	<0.2	<0.50	<0.50	<0.50	<0.50	
Tetrachloroethene	<5	7	<5	<1	<1	<1	<1	<1	<1	<0.3	<0.6	<0.6	<0.4	<0.10	<0.4	<0.50	<0.50	<0.50	<0.40	
Tetrahydrofuran																			0.60	<7.0
Toluene	<5	<50	<5	<1	<1	<1	<1	<1	<1	<0.2	<0.2	<0.2	<0.1	<0.20	<0.1	<0.50	<0.50	<0.50	<0.40	
Trichloroethene	<5	<50	<5	<1	<1	<1	<1	<1	<1	<0.2	<0.3	<0.3	<0.3	<0.20	<0.3	<0.60	<0.60	<0.15	<0.15	
Trichlorofluoromethane				<1	<1	<1	<1	<1	<1	<0.5	<0.6	<0.6	<0.4	<0.20	<0.4	<0.40	<0.40	<0.40	<0.50	
Vinyl acetate	<10	<100	<10																<8.0	
Vinyl chloride	<10	<100	<10	<1	<1	<1	<1	<1	<1	<0.3	<0.5	<0.5	<0.4	<0.10	<0.4	<0.30	<0.30	<0.30	<0.12	
Xylene, m & p-				<2	<2	<2	<2	<2	<2	<0.4	<0.3	<0.3	<0.2	<0.20	<0.2	<0.60	<0.60	<0.60	<1.0	
Xylene, o-				<1	<1	<1	<1	<1	<1	<0.2	<0.5	<0.5	<0.1	<0.10	<0.1	<0.50	<0.50	<0.50	<0.40	
Xylenes, Total	<5	<50	<5																	

Volatile Organic Compounds - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W08

Parameter	07/18/06	07/09/07	07/22/08	07/06/09	07/13/10	07/18/11	07/06/12	07/01/13	07/07/14	07/06/15	07/05/16	07/10/17	07/10/18	07/08/19	07/06/20	07/06/21	07/05/22	07/05/23
1,1,1,2-Tetrachloroethane	<0.70	<0.60	<0.60	<0.60	<0.24	<0.40												
1,1,1-Trichloroethane	<0.50	<0.60	<0.60	<0.60	<0.21	<0.29												
1,1,2,2-Tetrachloroethane	<0.13	<0.14	<0.14	<0.14	<0.19	<0.30												
1,1,2-Trichloroethane	<0.50	<0.50	<0.50	<0.50	<0.26	<0.30												
1,1-Dichloroethane	<0.40	<0.40	<0.40	<0.40	<0.20	<0.28												
1,1-Dichloroethene	<0.30	<0.40	<0.40	<0.40	<0.24	<0.29												
1,1-Dichloropropene	<0.60	<0.50	<0.50	<0.50	<0.24	<0.40												
1,2,3-Trichlorobenzene	<0.50	<0.50	<0.50	<0.50	<0.30	<0.40												
1,2,3-Trichloropropane	<0.70	<0.30	<0.30	<0.30	<0.21	<0.40												
1,2,4-Trichlorobenzene	<0.70	<0.40	<0.40	<0.40	<0.30	<0.30												
1,2,4-Trimethylbenzene	<0.50	<0.24	<0.24	<0.24	<0.20	<0.30		<0.40 MY	<0.60 Y	<0.50	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.91	<0.91
1,2-Dibromo-3-chloropropane	<0.30	<0.40	<0.40	<0.40	<0.40	<0.50												
1,2-Dibromoethane	<0.50	<0.13	<0.13	<0.13	<0.16	<0.30												
1,2-Dichlorobenzene	<0.50	<0.40	<0.40	<0.40	<0.23	<0.40												
1,2-Dichloroethane	<0.50	<0.30	<0.30	<0.30	<0.30	<0.30												
cis-1,2-Dichloroethene	<0.40	<0.40	<0.40	<0.40	<0.25	<0.30												
trans-1,2-Dichloroethene	<0.40	<0.50	<0.50	<0.50	<0.25	<0.30												
1,2-Dichloropropane	<0.50	<0.21	<0.21	<0.21	<0.22	<0.29												
1,3,5-Trimethylbenzene	<0.40	<0.19	<0.19	<0.19	<0.23	<0.30												
1,3-Dichlorobenzene	<0.40	<0.40	<0.40	<0.40	<0.26	<0.30												
cis-1,3-Dichloropropene	<0.15	<0.14	<0.14	<0.14	<0.19	<0.28												
1,3-Dichloropropane	<0.50	<0.19	<0.19	<0.19	<0.23	<0.30												
trans-1,3-Dichloropropene	<0.14	<0.14	<0.14	<0.14	<0.19	<0.30												
1,4-Dichlorobenzene	<0.60	<0.50	<0.50	<0.50	<0.23	<0.30												
2,2-Dichloropropane	<0.60	<0.30	<0.30	<0.30	<0.25	<0.28												
2-Butanone (MEK)	<5.0	<4.0	<4.0	<4.0	<2.4	<3.0												
2-Chloroethyl vinyl ether																		
2-Chlorotoluene	<0.50	<0.30	<0.30	<0.30	<0.22	<0.30												
2-Hexanone	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0												
4-Chlorotoluene	<0.60	<0.30	<0.30	<0.30	<0.21	<0.29												
4-Methyl-2-Pentanone (MIBK)	<6.0	<3.0	<3.0	<3.0	<3.0	<3.0												
Acetone	<10.0	<7.0	<7.0	<7.0	<5.0	<5.0												
Benzene	<0.40	<0.16	<0.16	<0.16	<0.19	<0.30												
Bromobenzene	<0.60	<0.30	<0.30	<0.30	<0.20	<0.30												
Bromochloromethane	<0.70	<0.21	<0.21	<0.21	<0.22	<0.40												
Bromodichloromethane	<0.15	<0.19	<0.19	<0.19	<0.20	<0.30												

Volatile Organic Compounds - Historical Data  
WAULECO, INC - Wausau Facility  
Well - W08

Parameter	07/18/06	07/09/07	07/22/08	07/06/09	07/13/10	07/18/11	07/06/12	07/01/13	07/07/14	07/06/15	07/05/16	07/10/17	07/10/18	07/08/19	07/06/20	07/06/21	07/05/22	07/05/23
Bromoform	<0.21	<0.50	<0.50	<0.50	<0.22	<0.24												
Bromomethane	<0.90	<0.40	<0.40	<0.40	<0.40	<0.30												
n-Butylbenzene	<0.40	<0.24	<0.24	<0.24	<0.23	<0.29												
sec-Butylbenzene	<0.50	<0.29	<0.29	<0.29	<0.21	<0.30												
tert-Butylbenzene	<0.50	<0.23	<0.23	<0.23	<0.20	<0.40												
Carbon disulfide	<1.0	<0.50	<0.50	<0.50	<0.50	<0.60												
Carbon tetrachloride	<0.50	<0.40	<0.40	<0.40	<0.23	<0.40												
Chlorobenzene	<0.40	<0.30	<0.30	<0.30	<0.24	<0.30												
Chlorodibromomethane	<0.60	<0.23	<0.23	<0.23	<0.19	<0.26												
Chloroethane	<0.60	<0.40	<0.40	<0.40	<0.40	<0.30												
Chloroform	<0.50	<0.22	<b>0.26</b>	<0.22	<0.15	<b>0.76</b>												
Chloromethane	<0.30	<0.30	<0.30	<b>0.58B</b>	<b>0.5B</b>	<0.40												
Dibromomethane	<0.80	<0.40	<0.40	<0.40	<0.24	<0.30												
Dichlorodifluoromethane	<0.29	<0.40	<0.40	<0.40	<0.26	<0.30												
Diisopropyl Ether	<0.40	<0.50	<0.50	<0.50	<0.20	<0.30												
Ethylbenzene	<0.50	<0.28	<0.28	<0.28	<0.22	<0.29												
Hexachlorobutadiene	<0.90	<0.60	<0.60	<0.60	<0.30	<0.40												
Isopropylbenzene	<0.60	<0.20	<0.20	<0.20	<0.18	<0.30												
p-Isopropyltoluene	<0.40	<0.17	<0.17	<0.17	<0.23	<0.30												
Methyl tert-butyl ether	<0.40	<0.23	<0.23	<0.23	<0.29	<0.30												
Methylene chloride	<1.0	<0.50	<0.50	<0.50	<0.40	<0.40												
Naphthalene	<0.70	<0.60	<0.60	<0.60	<0.40	<0.40	<0.32	<0.50	<1.2	<0.50	<0.90	<0.90	<0.90	<0.90	<0.90	<0.90	<1.1	<1.1
n-Propylbenzene	<0.40	<0.20	<0.20	<0.20	<0.20	<0.30												
Styrene	<0.50	<0.30	<0.30	<0.30	<0.20	<0.30												
Tetrachloroethene	<0.29	<0.40	<0.40	<0.40	<0.30	<0.30												
Tetrahydrofuran	<7.0	<4.0	<4.0	<4.0	<3.0	<4.0												
Toluene	<0.40	<0.20	<0.20	<0.20	<0.22	<0.30												
Trichloroethene	<0.15	<0.15	<0.15	<0.15	<0.21	<0.40												
Trichlorofluoromethane	<0.70	<0.40	<0.40	<0.40	<0.20	<0.40												
Vinyl acetate	<1.7	<1.1	<1.1	<1.1	<3.0	<4.0												
Vinyl chloride	<0.15	<0.15	<0.15	<0.15	<0.18	<0.19												
Xylene, m & p-	<0.9	<0.50	<0.50	<0.50	<0.50	<0.60		<0.90 MY	<1.0 Y	<1.1	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<2.0	<2.0
Xylene, o-	<0.60	<0.50	<0.50	<0.50	<0.24	<0.29		<0.50 MY	<0.50 Y	<0.50	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<1.1	<1.1
Xylenes, Total	<1.5	<1.0	<1.0	<1.0	<1.0	<0.89		<1.4 MY	<1.5	<1.6	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<3.1	<3.1

Prepared By: T. Dushek, 8/7/23

Checked by: A. Voit, 10/11/23

**NOTES:**

All Units are in ug/L

Bold values indicate detections

A = Analyte averaged calibration criteria within acceptable limits

B = Analyte detected in associated Method Blank

M = Matrix spike or matrix spike duplicate outside acceptance limits.

J = Estimated Value

Q = Lab Control Sample outside acceptance limits

\* = Suspected methylene chloride laboratory contamination.



Volatile Organic Compounds - Historical Data  
WAULECO, INC - Wausau Facility  
Well - W09

Parameter	12/17/92	06/28/93	12/28/93	06/22/94	07/05/95	07/09/96	07/11/97	06/24/98	06/07/99	07/18/00	01/30/01	07/10/01	08/06/02	07/23/03	07/12/04	07/18/05	07/18/06	07/10/07	07/23/08	07/07/09	07/13/10	07/18/11	07/19/12	07/02/13	07/10/14	07/07/15	07/06/16	07/11/17	07/18/18	07/09/19	07/07/20	07/12/21	07/06/22	07/06/23		
p-Isopropyltoluene		<1	<1	<1		<1	<0.4	<b>1.4</b>	<0.2	<0.2	<0.10	<0.2	<0.50	<0.50	<0.50	<0.40	<0.40	<0.17	<0.17	<0.17	<0.23	<0.30														
Methyl tert-butyl ether		<1							<0.2	<1.1	<0.30	<1.1	<0.50	<0.50	<0.50	<0.60	<0.40	<0.23	<0.23	<0.23	<0.29	<0.30														
Methylene chloride	<10	<3	<3	<3	<3	<3	<0.3	<0.5	<0.5	<1.9	<0.40	<1.9	<1.0	<1.0	<b>3 J,A,B,Q</b>	<0.40	<1.0	<0.50	<0.50	<0.50	<0.40	<0.40														
Naphthalene		<1	<1	<b>2.2</b>	<1	<b>3.1</b>	<b>7.7</b>	<b>4.6</b>	<b>1.8</b>	<b>0.81</b>	<0.20	<0.7	<0.50	<0.50	<0.50	<0.60	<0.70	<0.60	<0.60	<0.60	<0.40	<0.40	<0.33	<b>1.2</b>	<b>1.3</b>	<b>1.6</b>	<b>1.8</b>	<0.90	<b>1.5</b>	<b>1.2</b>	<0.90	<b>4.1</b>	<b>4.4</b>	<1.1		
n-Propylbenzene		<b>1.7</b>	<1	<b>3.2</b>		<b>7.8</b>	<b>12</b>	<b>4.8</b>	<b>0.8</b>	<0.3	<b>1.9</b>	<0.3	<0.50	<b>1.8</b>	<b>1.1 J</b>	<0.40	<0.40	<0.20	<0.20	<0.20	<0.20	<0.30														
Styrene	<5	<1	<1	<1		<1	<0.2	<0.2	<0.2	<0.2	<0.10	<0.2	<0.50	<0.50	<0.50	<0.50	<0.50	<0.30	<0.30	<0.30	<0.20	<0.30														
Tetrachloroethene	<5	<1	<1	<1	<b>1.3</b>	<1	<0.3	<0.6	<0.6	<0.4	<0.10	<0.4	<0.50	<0.50	<0.50	<0.40	<0.29	<0.40	<0.40	<0.40	<0.30	<0.30														
Tetrahydrofuran																<7.0	<7.0	<4.0	<4.0	<4.0	<3.0	<4.0														
Toluene	<5	<1	<1	<1	<1	<1	<0.2	<0.2	<0.2	<0.1	<0.20	<0.1	<0.50	<0.50	<0.50	<0.40	<0.40	<0.20	<0.20	<0.20	<0.22	<0.30														
Trichloroethene	<5	<1	<1	<1	<1	<1	<0.2	<0.3	<0.3	<0.3	<0.20	<0.3	<0.60	<0.60	<0.60	<0.15	<0.15	<0.15	<0.15	<0.15	<0.21	<0.40														
Trichlorofluoromethane		<1	<1	<1	<1	<1	<0.5	<0.6	<0.6	<0.4	<0.20	<0.4	<0.40	<0.40	<0.40	<0.50	<0.70	<0.40	<0.40	<0.40	<0.20	<0.40														
Vinyl acetate	<10															<8.0	<1.7	<1.1	<1.1	<1.1	<3.0	<4.0														
Vinyl chloride	<10	<1	<1	<1	<1	<1	<0.3	<0.5	<0.5	<0.4	<0.10	<0.4	<b>0.83</b>	<0.30	<0.30	<0.12	<0.15	<0.15	<0.15	<0.15	<0.18	<0.19														
Xylene, m & p-		<2	<2	<2	<2	<2	<b>1.3</b>	<b>1.8</b>	<0.3	<0.2	<0.20	<0.2	<0.60	<0.60	<0.60	<1.0	<0.9	<0.50	<0.50	<0.50	<0.50	<0.60		<0.90	<1.0	<1.1	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<2.0	<2.0	
Xylene, o-		<1	<1	<1	<1	<b>1.1</b>	<0.2	<b>1.4</b>	<0.5	<0.1	<0.10	<0.1	<0.50	<0.50	<0.50	<0.40	<0.60	<0.50	<0.50	<0.50	<0.24	<0.29		<0.50	<0.50	<0.50	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<1.1	<1.1	
Xylenes, Total	<5																<1.5	<1.0	<1.0	<1.0	<1.0	<0.89		<1.4	<1.5	<1.6	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<3.1	<3.1		

Prepared By: T. Dushek, 8/7/23

Checked by: A. Voit, 10/11/23

**NOTES:**

All Units are in ug/L

Bold values indicate detections

A = Analyte averaged calibration criteria within acceptable limits

B = Analyte detected in associated Method Blank

M = Matrix spike or matrix spike duplicate outside acceptance limits.

J = Estimated Value

Q = Lab Control Sample outside acceptance limits

\* = Suspected methylene chloride laboratory contamination.





Volatile Organic Compounds - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W10A

Parameter	12/18/92	06/30/93	12/28/93	06/22/94	07/06/95	07/09/96	07/11/97	06/24/98	06/08/99	07/17/00	01/30/01	07/10/01	08/06/02	07/23/03	07/14/04	07/20/05	07/19/06	07/10/07	07/23/08	7/23/2008 Duplicate	07/06/09	7/6/2009 Duplicate	07/15/10	07/25/11	7/25/2011 Duplicate	07/09/12	7/9/2012 Duplicate	07/05/13	7/5/2013 Duplicate	
p-Isopropyltoluene		<1	<1	3.4		<10	<0.4	35	7	<4	<2.0	16 j	<13	<13	<0.50	<0.40	<20 *	<8.5	<8.5	12	<4.3	<4.3	<4.6	<6.0	<6.0					
Methyl tert-butyl ether		<1							<4	<22	<6.0	<28	<13	<13	<0.50	<0.60	<20 *	<12	<12	<12	<5.8	<5.8	<5.8	<6.0	<6.0					
Methylene chloride	<10	<3	<3	<3	<30	<30	<0.3	<0.5	<10	<38	<8.0	<48	<25	<25	4.7 A,B,Q	<0.40	65 Q*	170 A	<25	<25	<13	<13	23	27 B	27 B					
Naphthalene	62.6	70	100	12	110	79.4	66	140	125	130	110	140	120	110	4.4	120 A	77 *	150	180	170	110	130	160	90	100	11 V	11 V	55	57	
n-Propylbenzene		38	57	<1		63.5	34	78	49	54	48	50	59	66	2.4	64	40 *	90	89	87	67	66	93	46	51					
Styrene	<5		<1	<1		<10	<0.2	<0.2	<4	<4	<2.0	<5.0	<13	<13	<0.50	<0.50	<25 *	<15	<15	<15	<7.5	<7.5	<4.0	<6.0	<6.0					
Tetrachloroethene	<5	<1	3.6	2.8	<10	<10	<0.3	<0.6	<12	<8	<2.0	<10	<13	<13	<0.50	1.8	<15 *	<20	<20	<20	<10	<10	<6.0	<6.0	<6.0					
Tetrahydrofuran																<7.0	<350 *	<200	<200	<200	<100	<100	<60	<80	<80					
Toluene	11.3	8.9	12	10	57	<10	<0.2	18	<4	7.1	<4.0	<2.5	<13	<13	<0.50	0.4	<20 *	<10	<10	<10	<5.0	<5.0	<4.4	<6.0	<6.0					
Trichloroethene	31.5	22	30	25	20	25.6	<0.2	35	<6	<6	19	9.4 j	<15	<15	0.67	17	<7.5 *	23	19	29	17	16	21	9	9.7					
Trichlorofluoromethane		<1	<1	<1	<10	<10	<0.5	<0.6	<12	<8	<4.0	<10	<10	<10	<0.40	<0.50	<35 *	<20	<20	<20	<10	<10	<4.0	<8.0	<8.0					
Vinyl acetate	<10															<8.0	<85 *	<55	<55	<55	<28	<28	<60	<80	<80					
Vinyl chloride	<10	<1	<1	<1	<10	<10	<0.3	<0.5	<10	<8	<2.0	<10	<7.5	<7.5	<0.30	<0.12	<7.5 *	<7.5	<7.5	<7.5	<3.8	<3.8	<3.6	<3.8	<3.8					
Xylene, m & p-		65	61	16	300	92.1	20	68	37	49	25	47	55	52	1.8 J	34	<45 *	51	54	58	33	32	41	30	32				25	25
Xylene, o-		180	200	210	350	172.8	80	170	96	110	9.4	140	110	83	3.1	23	32 *	60	88	93	34	28	32	87	94				84	79
Xylenes, Total	252															57	32 *	111	142	151	67	60	185	117	126				109	104

Volatile Organic Compounds - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W10A

Parameter	07/10/14	07/09/15	7/9/2015 Duplicate	07/12/16	7/12/2016 Duplicate	7/18/2017	7/18/2017 Duplicate	7/18/2018	7/18/2018 Duplicate	7/15/2019	7/15/2019 Duplicate	7/13/2020	7/13/2020 Duplicate	7/13/2020	7/13/2020 Duplicate	7/13/2021	7/13/2021 Duplicate	7/11/2022	7/11/2022 Duplicate	7/10/2023	7/10/2023 Duplicate
1,1,1,2-Tetrachloroethane																					
1,1,1-Trichloroethane																					
1,1,2,2-Tetrachloroethane																					
1,1,2-Trichloroethane																					
1,1-Dichloroethane																					
1,1-Dichloroethene																					
1,1-Dichloropropene																					
1,2,3-Trichlorobenzene																					
1,2,3-Trichloropropane																					
1,2,4-Trichlorobenzene																					
1,2,4-Trimethylbenzene	450	290	290	150	170	490	590	500	490	580	610	630	630	630	630	440	410	490	520	650	740
1,2-Dibromo-3-chloropropane																					
1,2-Dibromoethane																					
1,2-Dichlorobenzene																					
1,2-Dichloroethane																					
cis-1,2-Dichloroethene																					
trans-1,2-Dichloroethene																					
1,2-Dichloropropane																					
1,3,5-Trimethylbenzene																					
1,3-Dichlorobenzene																					
cis-1,3-Dichloropropene																					
1,3-Dichloropropane																					
trans-1,3-Dichloropropene																					
1,4-Dichlorobenzene																					
2,2-Dichloropropane																					
2-Butanone (MEK)																					
2-Chloroethyl vinyl ether																					
2-Chlorotoluene																					
2-Hexanone																					
4-Chlorotoluene																					
4-Methyl-2-Pentanone (MIBK)																					
Acetone																					
Benzene																					
Bromobenzene																					
Bromochloromethane																					
Bromodichloromethane																					
Bromoform																					
Bromomethane																					
n-Butylbenzene																					
sec-Butylbenzene																					
tert-Butylbenzene																					
Carbon disulfide																					
Carbon tetrachloride																					
Chlorobenzene																					
Chlorodibromomethane																					
Chloroethane																					
Chloroform																					
Chloromethane																					
Dibromomethane																					
Dichlorodifluoromethane																					
Diisopropyl Ether																					
Ethylbenzene																					
Hexachlorobutadiene																					
Isopropylbenzene																					

Volatile Organic Compounds - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W10A

Parameter	07/10/14	07/09/15	7/9/2015 Duplicate	07/12/16	7/12/2016 Duplicate	7/18/2017	7/18/2017 Duplicate	7/18/2018	7/18/2018 Duplicate	7/15/2019	7/15/2019 Duplicate	7/13/2020	7/13/2020 Duplicate	7/13/2020	7/13/2020 Duplicate	7/13/2021	7/13/2021 Duplicate	7/11/2022	7/11/2022 Duplicate	7/10/2023	7/10/2023 Duplicate
p-Isopropyltoluene																					
Methyl tert-butyl ether																					
Methylene chloride																					
Naphthalene	<b>46</b>	<b>8.6</b>	<b>8.8</b>	<9.0	<9.0	<b>28</b>	<b>33</b>	<b>28</b>	<b>29</b>	<b>26</b>	<b>26</b>	<18	<18	<18	<18	<b>4.9 Y</b>	<b>4.5 Y</b>	<22	<22	<22	<22
n-Propylbenzene																					
Styrene																					
Tetrachloroethene																					
Tetrahydrofuran																					
Toluene																					
Trichloroethene																					
Trichlorofluoromethane																					
Vinyl acetate																					
Vinyl chloride																					
Xylene, m & p-	<20	<11	<11	<b>15</b>	<b>16</b>	<b>18</b>	<b>19</b>	<b>29</b>	<b>29</b>	<16	<16	<16	<16	<16	<16	<b>20</b>	<b>19</b>	<40	<40	<40	<40
Xylene, o-	<b>58</b>	<b>39</b>	<b>38</b>	<b>28</b>	<b>31</b>	<b>84</b>	<b>100</b>	<b>97</b>	<b>93</b>	<b>76</b>	<b>79</b>	<b>68</b>	<b>68</b>	<b>68</b>	<b>68</b>	<b>42</b>	<b>40</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>28</b>
Xylenes, Total	<b>58</b>	<b>39</b>	<b>38</b>	<b>43</b>	<b>47</b>	<b>102</b>	<b>119</b>	<b>126</b>	<b>122</b>	<b>76</b>	<b>79</b>	<b>68</b>	<b>68</b>	<b>68</b>	<b>68</b>	<b>62</b>	<b>59</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>28</b>

Prepared By: T. Dushek, 8/7/23

Checked by: A. Voit, 10/11/23

**NOTES:**

All Units are in ug/L

Bold values indicate detections

A = Analyte averaged calibration criteria within acceptable limits

B = Analyte detected in associated Method Blank

M = Matrix spike or matrix spike duplicate outside acceptance limits.

J = Estimated Value

Q = Lab Control Sample outside acceptance limits

V = Raised quantitation or reporting limit due to limited sample amount or dilution for matrix background interference

\* = Suspected methylene chloride laboratory contamination.

















Volatile Organic Compounds - Historical Data  
WAULECO, INC - Wausau Facility  
Well - W13

Parameter	12/19/92	06/30/93	12/27/93	06/22/94	07/06/95	07/10/96	07/11/97	06/24/98	06/09/99	07/18/00	01/31/01	07/10/01	08/06/02	07/23/03	07/14/04	07/20/05	07/18/06	07/10/07	07/24/08	07/06/09	07/13/10	07/19/11	07/06/12	07/10/13	07/16/14	07/08/15	07/11/16	07/20/17	07/16/18	07/16/19	07/13/20	07/12/21	07/13/22	07/10/23			
Tetrachloroethene	<5	<1	1.5	<1	<1	<1	<0.3	1.05	<0.6	0.51	<b>0.55</b>	<0.4	<0.50	<0.50	<b>0.85 J</b>	<0.40	<0.29	<0.40	<0.40	<0.40	<0.30	<0.30															
Tetrahydrofuran																<7.0	<7.0	<4.0	<4.0	<4.0	<3.0	<4.0															
Toluene	<5	<1	<1	<1	<1	<1	<0.2	<0.2	<0.2	<0.1	<0.20	<0.1	<0.50	<0.50	<0.50	<0.40	<0.40	<0.20	<0.20	<0.20	<0.22	<0.30															
Trichloroethene	<b>10.6</b>	<b>2.3</b>	<b>4.9</b>	<b>3.4</b>	<b>4.6</b>	<b>1.98</b>	<b>3.3</b>	<b>2.95</b>	<b>1.8</b>	<b>1.5</b>	<b>1.5</b>	<b>0.72 J</b>	<0.60	<b>0.61</b>	<b>1.1 J</b>	<0.15	<0.15	<0.15	<0.15	<0.15	<0.21	<0.40															
Trichlorofluoromethane		<1	<1	<1	<1	<1	<0.5	<0.6	<0.6	<0.4	<0.20	<0.4	<0.40	<0.40	<0.40	<0.50	<0.70	<0.40	<0.40	<0.40	<0.20	<0.40															
Vinyl acetate	<10															<8.0	<1.7	<1.1	<1.1	<1.1	<3.0	<4.0															
Vinyl chloride	<10	<1	<1	<1	<1	<1	<0.3	<0.5	<0.5	<0.4	<0.10	<0.4	<0.30	<0.30	<0.30	<0.12	<0.15	<0.15	<0.15	<0.15	<0.18	<0.19															
Xylene, m & p-		<2	<2	<2	<2	<2	<0.4	<0.3	<0.3	<0.2	<0.20	<0.2	<0.60	<0.60	<0.60	<1.0	<0.9	<0.50	<0.50	<0.50	<0.50	<0.60	<0.90	<1.0	<1.1	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<2.0	<2.0	
Xylene, o-		<1	<1	<1	<1	<1	<0.2	<0.5	<0.5	<0.1	<0.10	<0.1	<0.50	<0.50	<0.50	<0.40	<0.60	<0.50	<0.50	<0.50	<0.24	<0.29	<0.50	<0.50	<0.50	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<1.1	<1.1	
Xylenes, Total	<5																<1.5	<1.0	<1.0	<1.0	<1.0	<0.89	<1.4	<1.5	<1.6	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<3.1	<3.1		

Prepared By: T. Dushek, 8/7/23

Checked by: A. Voit, 10/11/23

**NOTES:**

All Units are in ug/L

Bold values indicate detections

**A** = Analyte averaged calibration criteria within acceptable limits

**B** = Analyte detected in associated Method Blank

**M** = Matrix spike or matrix spike duplicate outside acceptance limits.

**J** = Estimated Value

**Q** = Lab Control Sample outside acceptance limits

\* = Suspected methylene chloride laboratory contamination.







Volatile Organic Compounds - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W16

Parameter	12/18/92	06/29/93	12/28/93	06/21/94	07/06/95	07/08/96	07/11/97	06/24/98	06/07/99	07/18/00	01/30/01	07/10/01	08/05/02	07/22/03	07/12/04	07/19/05	07/19/06	07/09/07	07/23/08	07/06/09	07/13/10	07/18/11	07/09/12	07/01/13	07/08/14	07/06/15	07/05/16	07/10/17	07/10/18	07/08/19	07/06/20	07/06/21	07/05/22	07/05/23		
Tetrachloroethene	<5	<1	<1	<1	<1	<1	<0.3	<b>1.4</b>	<0.6	<0.4	<b>0.21</b>	<0.4	<0.50	<b>0.73</b>	<b>0.61 J</b>	<b>0.7</b>	<0.29	<0.40	<b>0.78</b>	<b>0.68</b>	<b>0.36</b>	<b>1.8</b>														
Tetrahydrofuran																<7.0	<7.0	<4.0	<4.0	<4.0	<3.0	<4.0														
Toluene	<5	<1	<1	<1	<1	<1	<0.2	<0.2	<0.2	<0.1	<0.20	<0.1	<0.50	<0.50	<0.50	<0.40	<0.40	<0.20	<0.20	<0.20	<0.22	<0.30														
Trichloroethene	<5	<b>1.3</b>	<1	<1	<1	<1	<0.2	<0.3	<0.3	<0.3	<0.20	<0.3	<0.60	<0.60	<0.60	<0.15	<0.15	<0.15	<0.15	<0.15	<0.21	<b>0.44</b>														
Trichlorofluoromethane		<1	<1	<1	<1	<1	<0.5	<0.6	<0.6	<0.4	<0.20	<0.4	<0.40	<0.40	<0.40	<0.50	<0.70	<0.40	<0.40	<0.40	<0.20	<0.40														
Vinyl acetate	<10															<8.0	<1.7	<1.1	<1.1	<1.1	<3.0	<4.0														
Vinyl chloride	<10	<1	<1	<1	<1	<1	<0.3	<0.5	<0.5	<0.4	<0.10	<0.4	<0.30	<0.30	<0.30	<0.12	<0.15	<0.15	<0.15	<0.15	<0.18	<0.19														
Xylene, m & p-		<2	<2	<2	<2	<2	<0.4	<0.3	<0.3	<0.2	<0.20	<0.2	<0.60	<0.60	<0.60	<1.0	<0.9	<0.50	<0.50	<0.50	<0.50	<0.60		<0.90	<1.0	<1.1	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<2.0	<2.0	
Xylene, o-		<1	<1	<1	<1	<1	<0.2	<0.5	<0.5	<0.1	<0.10	<0.1	<0.50	<0.50	<0.50	<0.40	<0.60	<0.50	<0.50	<0.50	<0.24	<b>0.9</b>		<0.50	<0.50	<0.50	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<1.1	<1.1	
Xylenes, Total	<5																<1.5	<1.0	<1.0	<1.0	<1.0	<b>0.9</b>		<1.4	<1.5	<1.6	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<3.1	<3.1		

Prepared By: T. Dushek, 8/7/23  
 Checked by: A. Voit, 10/11/23

- NOTES:**  
 All Units are in ug/L  
 Bold values indicate detections  
 A = Analyte averaged calibration criteria within acceptable limits  
 B = Analyte detected in associated Method Blank  
 M = Matrix spike or matrix spike duplicate outside acceptance limits.  
 J = Estimated Value  
 Q = Lab Control Sample outside acceptance limits  
 \* = Suspected methylene chloride laboratory contamination.



Volatile Organic Compounds - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W17

Parameter	07/13/04	07/20/05	07/18/06	07/10/07	07/23/08	07/06/09	7/6/2009 Duplicate	07/15/10	07/19/11	07/06/12	7/6/2012 Duplicate	7/2/2013	7/16/2014	7/9/2015	7/7/2016	7/17/2017	7/11/2018	7/11/2019	7/8/2020	7/12/2021	7/11/2022	7/10/2023
1,1,1,2-Tetrachloroethane	<4.5	<5.0	<0.70	<3.0	<3.0	<3.0	<3.0	<0.24	<0.40													
1,1,1-Trichloroethane	<2.5	<6.0	<0.50	<3.0	<3.0	<3.0	<3.0	<0.21	<0.29													
1,1,2,2-Tetrachloroethane	<4.0	<1.5	<0.13	<0.70	<b>6.7</b>	<0.70	<0.70	<0.19	<0.30													
1,1,2-Trichloroethane	<4.5	<4.0	<0.50	<2.5	<2.5	<2.5	<2.5	<0.26	<0.30													
1,1-Dichloroethane	<2.5	<5.0	<0.40	<2.0	<2.0	<2.0	<2.0	<0.20	<0.28													
1,1-Dichloroethene	<2.0	<5.0	<0.30	<2.0	<2.0	<2.0	<2.0	<0.24	<0.29													
1,1-Dichloropropene	<2.5	<5.0	<0.60	<2.5	<2.5	<2.5	<2.5	<0.24	<0.40													
1,2,3-Trichlorobenzene	<2.5	<6.0	<0.50	<2.5	<2.5	<2.5	<2.5	<0.30	<0.40													
1,2,3-Trichloropropane	<4.0	<6.0	<0.70	<1.5	<1.5	<1.5	<1.5	<0.21	<0.40													
1,2,4-Trichlorobenzene	<2.5	<7.0	<0.70	<2.0	<2.0	<2.0	<2.0	<0.30	<0.30													
1,2,4-Trimethylbenzene	<b>150</b>	<b>200</b>	<b>95</b>	<b>180</b>	<b>190</b>	<b>260</b>	<b>270</b>	<b>92</b>	<b>60</b>			<b>92</b>	<b>78</b>	<b>71</b>	<b>20</b>	<b>29</b>	<b>36</b>	<b>22</b>	<b>32</b>	<b>6.3</b>	<b>19</b>	<b>49</b>
1,2-Dibromo-3-chloropropane	<2.0	<1.1	<0.30	<2.0	<2.0	<2.0	<2.0	<0.40	<0.50													
1,2-Dibromoethane	<1.5	<6.0	<0.50	<0.65	<0.65	<0.65	<0.65	<0.16	<0.30													
1,2-Dichlorobenzene	<3.5	<5.0	<0.50	<2.0	<2.0	<2.0	<2.0	<0.23	<0.40													
1,2-Dichloroethane	<4.5	<5.0	<0.50	<1.5	<1.5	<1.5	<1.5	<0.30	<0.30													
cis-1,2-Dichloroethene	<2.5	<6.0	0.78	<2.0	<2.0	<2.0	<2.0	<0.25	<0.30													
trans-1,2-Dichloroethene	<2.0	<6.0	<0.40	<2.5	<2.5	<2.5	<2.5	<0.25	<0.30													
1,2-Dichloropropane	<2.0	<5.0	<0.50	<1.1	<1.1	<1.1	<1.1	<0.22	<0.29													
1,3,5-Trimethylbenzene	<b>57</b>	<b>72</b>	<b>33</b>	<b>72</b>	<b>79</b>	<b>110</b>	<b>120</b>	<b>39</b>	<b>19</b>													
1,3-Dichlorobenzene	<2.5	<5.0	<0.40	<2.0	<0.95	<2.0	<2.0	<0.26	<0.30													
cis-1,3-Dichloropropene	<3.0	<1.2	<0.15	<0.70	<0.70	<0.70	<0.70	<0.19	<0.28													
1,3-Dichloropropane	<6.0	<6.0	<0.50	<0.95	<0.95	<0.95	<0.95	<0.23	<0.30													
trans-1,3-Dichloropropene	<3.5	<1.4	<0.14	<0.70	<0.70	<0.70	<0.70	<0.19	<0.30													
1,4-Dichlorobenzene	<2.5	<5.0	<0.60	<2.5	<2.5	<2.5	<2.5	<0.23	<0.30													
2,2-Dichloropropane	<3.0	<6.0	<0.60	<1.5	<1.5	<1.5	<1.5	<0.25	<0.28													
2-Butanone (MEK)		<7.0	<5.0	<2.0	<2.0	<2.0	<2.0	<2.4	<3.0													
2-Chloroethyl vinyl ether																						
2-Chlorotoluene	<3.0	<5.0	<0.50	<1.5	<1.5	<1.5	<1.5	<0.22	<0.30													
2-Hexanone		<7.0	<8.0	<20	<20	<20	<20	<4.0	<4.0													
4-Chlorotoluene	<3.0	<4.0	<0.60	<1.5	<1.5	<1.5	<1.5	<0.21	<0.29													
4-Methyl-2-Pentanone (MIBK)		<7.0	<6.0	<15	<15	<15	<15	<3.0	<3.0													
Acetone		<9.0	<b>23</b>	<35	<35	<35	<35	<5.0	<5.0													
Benzene	<2.0	<4.0	<0.40	<0.80	<0.80	<0.80	<0.80	<0.19	<0.30													
Bromobenzene	<2.5	<5.0	<0.60	<1.5	<1.5	<1.5	<1.5	<0.20Q	<0.30													
Bromochloromethane	<2.5	<5.0	<0.70	<1.1	<1.1	<1.1	<1.1	<0.22	<0.40													
Bromodichloromethane	<2.0	<1.3	<0.15	<0.95	<0.95	<0.95	<0.95	<0.20	<0.30													
Bromoform	<3.0	<5.0	<0.21	<2.5	<2.5	<2.5	<2.5	<0.22	<0.24													
Bromomethane	<4.0	<8.0	<0.90	<2.0	<2.0	<2.0	<2.0	<0.50	<0.30													
n-Butylbenzene	<b>78</b>	<b>42</b>	<b>9.1</b>	<b>20</b>	<1.2	<b>37</b>	<b>41</b>	<b>9</b>	<b>4.4</b>													
sec-Butylbenzene	<b>21</b>	<b>16</b>	<b>12</b>	<b>15</b>	<b>15</b>	<b>27</b>	<b>26</b>	<b>8.3</b>	<b>17</b>													
tert-Butylbenzene	<2.5	<b>7.2</b>	<b>4.8</b>	<b>6.8</b>	<b>7.5</b>	<b>8.9</b>	<b>9</b>	<b>4</b>	<b>6.2</b>													
Carbon disulfide		<1.1	<1.0	<2.5	<2.5	<2.5	<2.5	<0.50	<0.60													
Carbon tetrachloride	<3.0	<5.0	<0.50	<2.0	<2.0	<2.0	<2.0	<0.23	<0.40													
Chlorobenzene	<4.0	<5.0	<0.40	<1.5	<1.5	<1.5	<1.5	<0.24	<0.30													
Chlorodibromomethane	<2.0	<6.0	<0.60	<1.2	<1.2	<1.2	<1.2	<0.19	<0.26													
Chloroethane	<2.5	<7.0	<0.60	<2.0	<2.0	<2.0	<2.0	<0.40	<0.30													

Volatile Organic Compounds - Historical Data  
WAULECO, INC - Wausau Facility  
Well - W17

Parameter	07/13/04	07/20/05	07/18/06	07/10/07	07/23/08	07/06/09	7/6/2009 Duplicate	07/15/10	07/19/11	07/06/12	7/6/2012 Duplicate	7/2/2013	7/16/2014	7/9/2015	7/7/2016	7/17/2017	7/11/2018	7/11/2019	7/8/2020	7/12/2021	7/11/2022	7/10/2023	
Chloroform	<3.0	<5.0	<0.50	<1.1	<1.1	<1.1	<1.1	<0.15	<0.23														
Chloromethane	<2.0	<2.4	<b>0.32</b>	<1.5	<1.5	<1.5	<1.5	<0.40	<0.40														
Dibromomethane	<2.5	<7.0	<0.80	<2.0	<2.0	<2.0	<2.0	<0.24	<0.30														
Dichlorodifluoromethane	<2.5	<6.0	<0.29	<2.0	<2.0	<2.0	<2.0	<0.26	<0.30														
Diisopropyl Ether	<2.5	<5.0	<0.40	<2.5	<2.5	<2.5	<2.5	<0.20	<0.30														
Ethylbenzene	<2.5	<5.0	<0.50	<1.4	<1.4	<1.4	<1.4	<b>2.1</b>	<b>2</b>														
Hexachlorobutadiene	<2.5	<6.0	<0.90	<3.0	<3.0	<3.0	<3.0	<0.30	<0.40														
Isopropylbenzene	<b>4.1 J</b>	<4.0	<b>3.2</b>	<b>3.3</b>	<b>6.4</b>	<b>5</b>	<b>5.4</b>	<b>3.4</b>	<b>8.8</b>														
p-Isopropyltoluene	<b>16</b>	<b>28 A</b>	<b>12</b>	<b>24</b>	<b>21</b>	<b>41</b>	<b>45</b>	<b>7.4</b>	<b>4.2</b>														
Methyl tert-butyl ether	<2.5	<6.0	<0.40	<1.2	<1.2	<1.2	<1.2	<0.29	<0.30														
Methylene chloride	<b>19 J,A,B,Q</b>	<4.0	<1.0	<b>3</b>	<2.5	<2.5	<2.5	<0.40	<0.40														
Naphthalene	<b>16</b>	<6.0	<b>17</b>	<b>13</b>	<b>24</b>	<b>32</b>	<b>38</b>	<b>4.6</b>	<0.40	<0.32	<0.32	<b>19</b>	<b>8.5</b>	<b>6.9</b>	<b>3.4</b>	<b>7.1</b>	<b>4</b>	<b>2.7</b>	<b>1.9</b>	<b>7.1</b>	<b>2.2</b>	<b>6.4</b>	
n-Propylbenzene	<2.5	<4.0	<b>1.9</b>	<b>2</b>	<b>1.5</b>	<b>4.6</b>	<b>4.9</b>	<b>3.5</b>	<b>4</b>														
Styrene	<2.5	<5.0	<0.50	<1.5	<1.5	<1.5	<1.5	<0.20	<0.30														
Tetrachloroethene	<2.5	<4.0	<b>0.43</b>	<2.0	<2.0	<2.0	<2.0	<b>0.73</b>	<b>0.67</b>														
Tetrahydrofuran		<7.0	<7.0	<2.0	<2.0	<2.0	<2.0	<3.0	<4.0														
Toluene	<2.5	<4.0	<0.40	<1.0	<1.0	<1.0	<1.0	<0.22	<0.30														
Trichloroethene	<b>11</b>	<b>18</b>	<b>14</b>	<b>10</b>	<b>10</b>	<b>7.6</b>	<b>8.4</b>	<b>1.1</b>	<b>0.75</b>														
Trichlorofluoromethane	<2.0	<5.0	<0.70	<2.0	<2.0	<2.0	<2.0	<0.20	<0.40														
Vinyl acetate		<8.0	<1.7	<5.5	<5.5	<5.5	<5.5	<3.0	<4.0														
Vinyl chloride	<1.5	<1.2	<0.15	<0.75	<0.75	<0.75	<0.75	<0.18	<0.19														
Xylene, m & p-	<b>5.2 J</b>	<1.0	<b>4.4</b>	<b>4.9</b>	<b>3.7</b>	<b>5</b>	<b>5.8</b>	<b>3.9</b>	<b>2.9</b>			<b>2.8</b>	<2.0	<2.2	<1.6	<0.80	<0.80	<0.80	<0.80	<b>1.4</b>	<2.0	<2.0	
Xylene, o-	<b>27</b>	<b>12</b>	<b>16</b>	<b>17</b>	<b>20</b>	<b>20</b>	<b>21</b>	<b>18</b>	<b>4.4</b>			<b>22</b>	<b>22</b>	<b>8.9</b>	<b>4.1</b>	<b>6.7</b>	<b>6.6</b>	<b>4.2</b>	<b>4.7</b>	<b>7.3</b>	<b>2.2</b>	<b>5.5</b>	
Xylenes, Total		<b>12</b>	<b>20.4</b>	<b>21.9</b>	<b>23.7</b>	<b>25</b>	<b>26.8</b>	<b>21.9</b>	<b>7.3</b>			<b>24.8</b>	<b>22</b>	<b>8.9</b>	<b>4.1</b>	<b>6.7</b>	<b>6.6</b>	<b>4.2</b>	<b>4.7</b>	<b>8.7</b>	<b>2.2</b>	<b>5.5</b>	

Prepared By: T. Dushek, 8/7/23

Checked by: A. Voit, 10/11/23

**NOTES:**

All Units are in ug/L

Bold values indicate detections

**A** = Analyte averaged calibration criteria within acceptable limits

**B** = Analyte detected in associated Method Blank

**M** = Matrix spike or matrix spike duplicate outside acceptance limits.

**J** = Estimated Value

**Q** = Lab Control Sample outside acceptance limits

\* = Suspected methylene chloride laboratory contamination.



Volatile Organic Compounds - Historical Data  
WAULECO, INC - Wausau Facility  
Well - W18

Parameter	07/08/92	09/17/92	12/17/92	03/23/93	06/29/93	12/28/93	06/22/94	07/05/95	07/09/96	07/11/97	06/24/98	06/08/99	01/31/01	07/11/01	08/06/02	07/23/03	07/12/04	07/18/05	07/18/06
Diisopropyl Ether					<1							<0.3	<0.10	<0.1	<0.50	<0.50	<0.50	<0.50	<0.40
Ethylbenzene	<50	<50	29.8	21	18	34	20	8.3	8.3	<0.2	1.6	<0.2	<0.10	<0.1	<0.50	<0.50	<0.50	<0.50	<0.50
Hexachlorobutadiene				<1	<1	<1	<1		<1	<0.5	<0.6	<0.6	<0.20	<0.6	<0.50	<0.50	<0.50	<0.60	<0.90
Isopropylbenzene				36	19	33	28		15.1	16	6.6	<0.2	<0.10	<0.1	<0.50	<0.50	<0.50	<0.40	<0.60
p-Isopropyltoluene				<1	5.7	<1	1.8		<1	<0.4	<0.2	<0.2	<0.10	<0.2	<0.50	<0.50	<0.50	<0.40	<0.40
Methyl tert-butyl ether					<1							<0.2	<0.30	<1.1	<0.50	<0.50	<0.50	<0.60	<0.40
Methylene chloride	742	644	<10	<3	<3	<3	<3	<3	<3	<0.3	<0.5	<0.5	<0.40	<1.9	<1.0	<1.0	3.1 J,A,B,Q	<0.40	<1.0
Naphthalene	44	46.3	59.3	100	70	90	18	75	68.1	54	70	<1.1	<0.20	<0.7	<0.50	<0.50	<0.50	<0.60	<0.70
n-Propylbenzene				33	30	54	40		20.2	26	7.2	<0.2	<0.10	<0.3	<0.50	<0.50	<0.50	<0.40	<0.40
Styrene	<50	<50	<5	<1		<1	<1		<1	<0.2	<0.2	<0.2	<0.10	<0.2	<0.50	<0.50	<0.50	<0.50	<0.50
Tetrachloroethene	<50	<50	<5	<1	<1	2.5	2.2	<1	1.3	<0.3	2	<0.6	<0.10	<0.4	<0.50	<0.50	<0.50	<0.40	<0.29
Tetrahydrofuran																		0.60	<7.0
Toluene	<50	<50	6.47	<1	4.1	3.3	1.3	1.2	<1	<0.2	<0.2	<0.2	<0.20	<0.1	<0.50	<0.50	<0.50	<0.40	<0.40
Trichloroethene	<50	<50	<5	6.3	4.3	7.4	4.4	2.8	2.9	<0.2	2.3	<0.3	<0.20	<0.3	<0.60	<0.60	<0.60	<0.15	0.47
Trichlorofluoromethane				<1	<1	<1	<1	<1	<1	<0.5	<0.6	<0.6	<0.20	<0.4	<0.40	<0.40	<0.40	<0.50	<0.70
Vinyl acetate	<100	<100	<10															<8.0	<1.7
Vinyl chloride	<100	<100	<10	<1	<1	<1	<1	<1	<1	<0.3	<0.5	<0.5	<0.10	<0.4	<0.30	<0.30	<0.30	<0.12	<0.15
Xylene, m & p-				19	34	39	32	12	10.7	<0.4	3.2	<0.3	<0.20	<0.2	<0.60	<0.60	<0.60	<1.0	<0.9
Xylene, o-				160	120	170	16	29	34.5	54	4.8	<0.5	<0.10	<0.1	<0.50	<0.50	<0.50	<0.40	<0.60
Xylenes, Total	123	122	195																<1.5

Volatile Organic Compounds - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W18

Parameter	07/10/07	07/23/08	07/07/09	07/13/10	07/19/11	07/19/12	07/02/13	07/10/14	07/07/15	07/06/16	07/11/17	07/11/18	07/08/19	07/07/20	07/06/21	07/06/22	07/05/23
1,1,1,2-Tetrachloroethane	<0.60	<0.60	<0.60	<0.24	<0.40												
1,1,1-Trichloroethane	<0.60	<0.60	<0.60	<0.21	<0.29												
1,1,2,2-Tetrachloroethane	<0.14	<0.14	<0.14	<0.19	<0.30												
1,1,2-Trichloroethane	<0.50	<0.50	<0.50	<0.26	<0.30												
1,1-Dichloroethane	<0.40	<0.40	<0.40	<0.20	<0.28												
1,1-Dichloroethene	<0.40	<0.40	<0.40	<0.24	<0.29												
1,1-Dichloropropene	<0.50	<0.50	<0.50	<0.24	<0.40												
1,2,3-Trichlorobenzene	<0.50	<0.50	<0.50	<0.30	<0.40												
1,2,3-Trichloropropane	<0.30	<0.30	<0.30	<0.21	<0.40												
1,2,4-Trichlorobenzene	<0.40	<0.40	<0.40	<0.30	<0.30												
1,2,4-Trimethylbenzene	<0.24	<0.24	<0.24	<0.20	<0.30		<0.40	<0.60	<0.50	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.91	<0.91
1,2-Dibromo-3-chloropropane	<0.40	<0.40M	<0.40	<0.40	<0.50												
1,2-Dibromoethane	<0.13	<0.13	<0.13	<0.16	<0.30												
1,2-Dichlorobenzene	<0.40	<0.40	<0.40	<0.23	<0.40												
1,2-Dichloroethane	<0.30	<0.30	<0.30	<0.30	<0.30												
cis-1,2-Dichloroethene	<0.40	<0.40	<0.40	<0.25	<0.30												
trans-1,2-Dichloroethene	<0.50	<0.50	<0.50	<0.25	<0.30												
1,2-Dichloropropane	<0.21	<0.21	<0.21	<0.22	<0.29												
1,3,5-Trimethylbenzene	<0.19	<0.19	<0.19	<0.23	<0.30												
1,3-Dichlorobenzene	<0.40	<0.40	<0.40	<0.26	<0.30												
cis-1,3-Dichloropropene	<0.14	<0.14	<0.14	<0.19	<0.28												
1,3-Dichloropropane	<0.19	<0.19	<0.19	<0.23	<0.30												
trans-1,3-Dichloropropene	<0.14	<0.14	<0.14	<0.19	<0.30												
1,4-Dichlorobenzene	<0.50	<0.50	<0.50	<0.23	<0.30												
2,2-Dichloropropane	<0.30	<0.30	<0.30	<0.25	<0.28												
2-Butanone (MEK)	<4.0	<4.0	<4.0	<2.4	<3.0												
2-Chloroethyl vinyl ether																	
2-Chlorotoluene	<0.30	<0.30	<0.30	<0.22	<0.30												
2-Hexanone	<4.0	<4.0	<4.0	<4.0	<4.0												
4-Chlorotoluene	<0.30	<0.30	<0.30	<0.21	<0.29												
4-Methyl-2-Pentanone (MIBK)	<3.0	<3.0	<3.0	<3.0	<3.0												
Acetone	<7.0	<7.0	<7.0	<5.0	<5.0												
Benzene	<0.16	<0.16	<0.16	<0.19	<0.30												
Bromobenzene	<0.30	<0.30	<0.30	<0.20	<0.30												
Bromochloromethane	<0.21	<0.21	<0.21	<0.22	<0.40												
Bromodichloromethane	<0.19	<0.19	<0.19	<0.20	<0.30												
Bromoform	<0.50	<0.50	<0.50	<0.22	<0.24												
Bromomethane	<0.40	<0.40	<0.40	<0.50	<0.30												
n-Butylbenzene	<0.24	<0.24	<0.24	<0.23	<b>0.41</b>												
sec-Butylbenzene	<0.29	<0.29	<0.29	<0.21	<b>17</b>												
tert-Butylbenzene	<0.23	<0.23	<0.23	<0.20	<b>5.7</b>												
Carbon disulfide	<0.50	<0.50	<0.50	<0.50	<0.60												
Carbon tetrachloride	<0.40	<0.40	<0.40	<0.23	<0.40												
Chlorobenzene	<0.30	<0.30	<0.30	<0.24	<0.30												
Chlorodibromomethane	<0.23	<0.23	<0.23	<0.19	<0.26												
Chloroethane	<0.40	<0.40	<0.40	<0.40	<0.30												
Chloroform	<0.22	<0.22	<0.22	<0.15	<0.23												
Chloromethane	<0.30	<0.30	<b>1.1AB</b>	<0.40	<0.40												
Dibromomethane	<0.40	<0.40	<0.40	<0.24	<0.30												
Dichlorodifluoromethane	<0.40	<0.40	<0.40	<0.26	<0.30												

Volatile Organic Compounds - Historical Data  
WAULECO, INC - Wausau Facility  
Well - W18

Parameter	07/10/07	07/23/08	07/07/09	07/13/10	07/19/11	07/19/12	07/02/13	07/10/14	07/07/15	07/06/16	07/11/17	07/11/18	07/08/19	07/07/20	07/06/21	07/06/22	07/05/23
Diisopropyl Ether	<0.50	<0.50	<0.50	<0.20	<0.30												
Ethylbenzene	<0.28	<0.28	<0.28	<0.22	<0.29												
Hexachlorobutadiene	<0.60	<0.60	<0.60	<0.30	<0.40												
Isopropylbenzene	<0.20	<0.20	<0.20	<0.18	<0.30												
p-Isopropyltoluene	<0.17	<0.17	<0.17	<0.23	<0.30												
Methyl tert-butyl ether	<0.23	<0.23	<0.23	<0.29	<0.30												
Methylene chloride	<0.50	<0.50	<0.50	<b>0.4</b>	<0.40												
Naphthalene	<0.60	<0.60	<0.60	<0.40	<0.40	<0.32	<0.50	<1.2	<0.50	<0.90	<0.90	<0.90	<0.90	<0.90	<0.90	<1.1	<1.1
n-Propylbenzene	<0.20	<0.20	<0.20	<0.20	<0.30												
Styrene	<0.30	<0.30	<0.30	<0.20	<0.30												
Tetrachloroethene	<0.40	<0.40	<0.40	<0.30	<b>0.44</b>												
Tetrahydrofuran	<4.0	<4.0	<4.0	<3.0	<4.0												
Toluene	<0.20	<0.20	<0.20	<0.22	<0.30												
Trichloroethene	<b>0.31</b>	<0.15	<b>0.37</b>	<b>0.28</b>	<0.40												
Trichlorofluoromethane	<0.40	<0.40	<0.40	<0.20	<0.40												
Vinyl acetate	<1.1	<1.1	<1.1	<3.0	<4.0												
Vinyl chloride	<0.15	<0.15	<0.15	<0.18	<0.19												
Xylene, m & p-	<0.50	<0.50	<0.50	<0.50	<0.60		<0.90	<1.0	<1.1	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<2.0	<2.0
Xylene, o-	<0.50	<0.50	<0.50	<0.24	<0.29		<0.50	<0.50	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<1.1	<1.1
Xylenes, Total	<1.0	<1.0	<1.0	<1.0	<0.89		<1.4	<1.5	<1.6	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<3.1	<3.1

Prepared By: T. Dushek, 8/7/23

Checked by: A. Voit, 10/11/23

**NOTES:**

All Units are in ug/L

Bold values indicate detections

**A** = Analyte averaged calibration criteria within acceptable limits

**B** = Analyte detected in associated Method Blank

**M** = Matrix spike or matrix spike duplicate outside acceptance limits.

**J** = Estimated Value

**Q** = Lab Control Sample outside acceptance limits

\* = Suspected methylene chloride laboratory contamination.



Volatile Organic Compounds - Historical Data  
WAULECO, INC - Wausau Facility  
Well - W19

Parameter	07/11/01	07/22/03	07/13/04	07/20/05	07/20/06	07/11/07	7/11/2007 Duplicate	07/24/08	07/07/09	07/14/10	07/19/11	07/06/12	07/01/13	07/08/14	07/08/15	07/07/16	07/17/17	07/11/18
Dichlorodifluoromethane	<5.0	<0.5	<1.0	<0.60	<0.29	<0.40	<0.40	<0.40	<0.40	<0.26	<0.30							
Diisopropyl ether	<1.0	<0.5	<1.0	<0.50	<0.40	<0.50	<0.50	<0.50	<0.50	<0.20	<0.30							
Ethylbenzene	<1.0	<0.5	<1.0	<0.50	<0.50	<b>0.33</b>	<b>0.34</b>	<0.28	<0.28	<b>0.29</b>	<0.29							
Hexachlorobutadiene	<6.0	<0.5	<1.0 <b>M</b>	<0.60	<0.90	<0.60	<0.60	<0.60	<0.60	<0.30	<0.40							
Isopropylbenzene	<b>24</b>	<b>7.5</b>	<b>4.7</b>	<b>0.62</b>	<b>0.77</b>	<b>2</b>	<b>2</b>	<b>1.8</b>	<b>1.1</b>	<b>1.4</b>	<b>2.8</b>							
p-Isopropyltoluene	<b>29</b>	<b>8.2</b>	<b>7.5</b>	<b>0.55</b>	<b>2.5</b>	<b>2.4</b>	<b>2.8</b>	<b>1.2</b>	<b>1.2</b>	<0.23	<b>0.78</b>							
Methyl tert-butyl ether	<11	<0.5	<1.0	<0.60	<0.40	<0.23	<0.23	<0.23	<0.23	<0.29	<0.30							
Methylene chloride	<19	<1.0	<b>7.3 A,B,Q</b>	<0.40	<1.0	<0.50	<0.50	<0.50	<0.50	<0.40	<0.40							
Naphthalene	<b>27</b>	<b>2.4</b>	<b>2.2 J</b>	<0.60	<0.70	<b>1.4</b>	<b>1.4</b>	<b>0.85</b>	<b>1.4</b>	<0.40	<b>1.8</b>	<0.32	<b>2.3</b>	<b>2.2</b>	<b>1.8</b>	<b>3.5</b>	<b>0.98</b>	<b>2</b>
n-Propylbenzene	<b>56.0</b>	<b>7.2</b>	<b>5.6</b>	<b>1.1</b>	<b>1.2</b>	<b>3.2</b>	<b>3.3</b>	<b>2</b>	<b>1.8</b>	<b>2.8</b>	<b>3.9</b>							
Styrene	<2.0	<b>16</b>	<b>15</b>	<0.50	<0.50	<0.30	<0.30	<0.30	<0.30	<0.20	<0.30							
Tetrachloroethene	<4.0	<b>2.8</b>	<b>2.3 J</b>	<0.40	<b>0.29</b>	<0.40	<0.40	<0.40	<b>0.45</b>	<0.30	<b>0.38</b>							
Tetrahydrofuran				<7.0	<7.0	<4.0	<4.0	<4.0	<4.0	<3.0	<4.0							
Toluene	<1.0	<0.5	<1.0	<0.40	<0.40	<0.20	<0.20	<0.20	<0.20	<0.22	<0.30							
Trichloroethene	<3.0	<b>0.63</b>	<1.2	<b>0.8</b>	<b>0.43</b>	<b>0.33</b>	<b>0.31</b>	<b>0.33</b>	<b>0.25</b>	<b>0.68</b>	<0.40							
Trichlorofluoromethane	<4.0	<0.4	<0.80	<0.50	<0.70	<0.40	<0.40	<0.40	<0.40	<0.20	<0.40							
Vinyl acetate				<8.0	<1.7	<1.1	<1.1	<1.1	<1.1	<3.0	<4.0							
Vinyl chloride	<4.0	<0.3	<0.60	<0.12	<0.15	<0.15	<0.15	<0.15	<0.15	<0.18	<0.19							
m & p-Xylene	<b>5.6</b>	<b>2.6</b>	<b>1.8 J</b>	<1.0	<0.9	<b>0.61</b>	<b>0.62</b>	<0.50	<0.50	<0.50	<0.60		<0.90	<1.0	<1.1	<b>2.9</b>	<0.80	<b>0.87</b>
o-Xylene	<b>23</b>	<b>5.0</b>	<1.0	<b>0.86</b>	<0.60	<b>2.4</b>	<b>2.6</b>	<b>1.7</b>	<b>1.6</b>	<b>10</b>	<b>7.4</b>		<b>4.2</b>	<b>6.9</b>	<b>4.8</b>	<b>12</b>	<b>1.8</b>	<b>8.3</b>
Xylenes, Total				<b>0.86</b>	<1.5	<b>3.01</b>	<b>3.22</b>	<b>1.7</b>	<b>1.6</b>	<b>10</b>	<b>7.4</b>		<b>4.2</b>	<b>6.9</b>	<b>4.8</b>	<b>14.9</b>	<b>1.8</b>	<b>9.17</b>

Prepared By: T. Dushek, 12/5/18

Checked by: A.Voit, 12/16/18

**NOTES:**

All Units are in ug/L

Bold values indicate detections

**A** = Analyte averaged calibration criteria within acceptable limits

**B** = Analyte detected in associated Method Blank

**M** = Matrix spike or matrix spike duplicate outside acceptance limits.

**J** = Estimated Value

**Q** = Lab Control Sample outside acceptance limits

\* = Suspected methylene chloride laboratory contamination.





Volatile Organic Compounds - Historical Data  
WAULECO, INC - Wausau Facility  
Well - W21

Parameter	12/18/92	06/29/93	12/28/93	06/22/94	07/06/95	07/08/96	07/11/97	06/23/98	06/07/99	07/17/00	01/30/01	07/10/01	08/05/02	07/22/03	07/13/04	07/19/05	07/18/06	07/09/07	07/22/08	07/07/09	07/14/10	07/18/11	07/09/12	07/01/13	07/08/14	07/07/15	07/05/16	07/10/17	07/10/18	07/09/19	07/06/20	07/07/21	07/05/22	07/05/23			
Tetrachloroethene	<5	<1	<1	<1	<1	<1	<0.3	<0.6	<0.6	<0.4	<0.10	<0.4	<0.50	<0.50	<0.40	<0.29	<0.40	<b>0.93</b>	<b>1.9</b>	<b>0.86</b>	<b>0.65</b>																
Tetrahydrofuran															<7.0	<7.0	<4.0	<4.0	<4.0	<3.0	<4.0																
Toluene	<5	<1	<1	<1	<1	<1	<0.2	<0.2	<0.2	<0.1	<0.20	<0.1	<0.50	<0.50	<0.40	<0.40	<0.20	<0.20	<0.20	<0.20	<0.22	<0.30															
Trichloroethene	<5	<1	<1	<1	<1	<1	<0.2	<0.3	<0.3	<0.3	<0.20	<0.3	<0.60	<0.60	<0.15	<0.15	<0.15	<0.15	<0.15	<0.21	<0.40																
Trichlorofluoromethane		<1	<1	<1	<1	<1	<0.5	<0.6	<0.6	<0.4	<0.20	<0.4	<0.40	<0.40	<0.50	<0.70	<0.40	<0.40	<0.40	<0.20	<0.40																
Vinyl acetate	<10														<8.0	<1.7	<1.1	<1.1	<1.1	<3.0	<4.0																
Vinyl chloride	<10	<1	<1	<1	<1	<1	<0.3	<0.5	<0.5	<0.4	<0.10	<0.4	<0.30	<0.30	<0.30	<0.12	<0.15	<0.15	<0.15	<0.15	<0.18	<0.19															
Xylene, m & p-		<2	<2	<2	<2	<2	<0.4	<0.3	<0.3	<0.2	<0.20	<0.2	<0.60	<0.60	<0.60	<1.0	<0.9	<0.50	<0.50	<0.50	<0.60		<0.90	<1.0	<1.1	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<2.0	<2.0		
Xylene, o-		<1	<1	<1	<1	<1	<0.2	<0.5	<0.5	<0.1	<0.10	<0.1	<0.50	<0.50	<0.50	<0.40	<0.60	<0.50	<0.50	<0.50	<0.24	<0.29		<0.50	<0.50	<0.50	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<1.1	<1.1		
Xylenes, Total	<5																<1.5	<1.0	<1.0	<1.0	<1.0	<0.89		<1.4	<1.5	<1.6	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<3.1	<3.1			

Prepared By: T. Dushek, 8/7/23

Checked by: A. Voit, 10/11/23

**NOTES:**

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Bold values indicate detections

A = Analyte averaged calibration criteria within acceptable limits

B = Analyte detected in associated Method Blank

M = Matrix spike or matrix spike duplicate outside acceptance limits.

J = Estimated Value

Q = Lab Control Sample outside acceptance limits

\* = Suspected methylene chloride laboratory contamination.



Volatile Organic Compounds - Historical Data  
WAULECO, INC - Wausau Facility  
Well - W22

Parameter	06/14/92	09/17/92	12/18/92	03/24/93	06/30/93	12/28/93	06/22/94	07/06/95	07/10/96	07/11/97	06/24/98	08/07/02	07/21/05	07/20/06	07/11/07	07/24/08	07/07/09	07/15/10	7/15/2010 Duplicate	07/19/11	07/10/12	07/08/13	07/08/14	07/09/15	07/11/16	07/18/17	07/18/18	07/18/19	07/13/20	07/13/21	07/12/22	07/11/23	
Isopropylbenzene				<b>100</b>	<b>3.3</b>	<b>63</b>	<b>50</b>		<b>15</b>	<b>14</b>	<b>62</b>	<b>130</b>	<b>42</b>	<b>23 *</b>	<b>25</b>	<b>40</b>	<b>31</b>	<b>3.3</b>	<b>1.9</b>	<b>9.9</b>													
p-Isopropyltoluene				<10	<1	<b>28</b>	<b>58</b>		<b>13</b>	<0.4	<b>45</b>	<b>180</b>	<b>170 A</b>	<b>5 *</b>	<b>12</b>	<b>9.2</b>	<b>8.1</b>	<b>29</b>	<b>24</b>	<b>11</b>													
Methyl tert-butyl ether					<1							<13	<12.0	<2.0 *	<1.2	<1.2	<2.3	<0.29	<0.29	<0.30													
Methylene chloride	<5	<b>946</b>	<b>142</b>	<30	<3	<3	<3	<60	<15	<0.3	<0.5	<25	<8.0	<b>15 Q*</b>	<2.5	<2.5	<5	<0.40	<0.40	<b>1.2 B</b>													
Naphthalene	<b>122</b>	<10	<b>108</b>	<b>260</b>	<1	<b>140</b>	<b>110</b>	<b>130</b>	<b>70</b>	<b>70</b>	<b>110</b>	<b>95</b>	<b>51</b>	<b>82 *</b>	<b>26</b>	<b>47</b>	<b>64</b>	<b>1.7</b>	<b>1.4</b>	<b>2.8</b>	<b>22</b>	<b>97</b>	<b>36</b>	<b>36</b>	<b>45</b>	<b>47</b>	<b>69</b>	<0.9	<0.9	<b>8.8 Y</b>	<b>8.3</b>	<b>19</b>	
n-Propylbenzene				<b>120</b>	<b>1.6</b>	<b>120</b>	<b>120</b>		<b>25</b>	<b>28</b>	<b>92</b>	<b>120</b>	<b>98</b>	<b>11 *</b>	<b>17</b>	<b>30</b>	<b>28</b>	<b>14</b>	<b>10</b>	<b>8.8</b>													
Styrene	<5	<50	<50	<10	<1	<25			<5	<0.2	<0.2	<b>440</b>	<10.0	<2.5 *	<1.5	<1.5	<3	<0.20	<0.20	<0.30													
Tetrachloroethene	<5	<50	<50	<10	<1	<b>3.9</b>	<b>4</b>	<20	<5	<0.3	<0.6	<b>69</b>	<8.0	<1.5 *	<2.0	<2.0	<4	<0.30	<0.30	<0.30													
Tetrahydrofuran												<140	<35 *	<20	<20	<40	<3.0	<3.0	<4.0														
Toluene	<b>100</b>	<50	<b>114</b>	<b>140</b>	<1	<b>90</b>	<b>55</b>	<20	<b>6</b>	<0.2	<b>25</b>	<b>20</b>	<8.0	<b>2.8 *</b>	<b>1.8</b>	<b>8</b>	<b>4.9</b>	<0.22	<0.22	<0.30													
Trichloroethene	<b>72</b>	<50	<b>92</b>	<b>85</b>	<1	<b>71</b>	<b>28</b>	<20	<b>15</b>	<b>24</b>	<b>32</b>	<15	<b>13</b>	<b>14 *</b>	<b>5.7</b>	<b>7</b>	<b>10</b>	<0.21	<0.21	<0.40													
Trichlorofluoromethane				<10	<1	<1	<1	<20	<5	<0.5	<0.6	<10	<10.0	<3.5 *	<2.0	<2.0	<4	<0.20	<0.20	<0.40													
Vinyl acetate	<10	<100	<100										<160	<8.5 *	<5.5	<5.5	<11	<3.0	<3.0	<4.0													
Vinyl chloride	<10	<100	<100	<10	<1	<1	<1	<20	<5	<0.3	<0.5	<7.5	<2.4	<0.75 *	<0.75	<0.75	<1.5	<0.18	<0.18	<0.19													
Xylene, m & p-				<b>700</b>	<2	<b>440</b>	<b>350</b>	<b>110</b>	<b>22</b>	<b>20</b>	<b>80</b>	<b>82</b>	<b>23</b>	<b>9.5 *</b>	<b>15</b>	<b>41</b>	<b>27</b>	<b>4.3</b>	<b>3.1</b>	<b>3</b>	<b>38</b>	<b>11</b>	<b>13</b>	<b>26</b>	<b>12</b>	<b>30</b>	<0.8	<b>8.2</b>	<b>11</b>	<10	<b>20</b>		
Xylene, o-				<b>640</b>	<b>2.3</b>	<b>590</b>	<b>400</b>	<b>260</b>	<b>61</b>	<b>190</b>	<b>250</b>	<13	<b>89</b>	<b>110 *</b>	<b>80</b>	<b>150</b>	<b>120</b>	<b>4.7</b>	<b>3.5</b>	<b>3.2</b>	<b>170</b>	<b>65</b>	<b>97</b>	<b>89</b>	<b>58</b>	<b>130</b>	<0.4	<b>23</b>	<b>71</b>	<b>79</b>	<b>120</b>		
Xylenes, Total	<b>472</b>	<50	<b>871</b>										<b>112</b>	<b>119.5 *</b>	<b>95</b>	<b>191</b>	<b>147</b>	<b>9</b>	<b>6.6</b>	<b>6.2</b>	<b>208</b>	<b>76</b>	<b>110</b>	<b>115</b>	<b>70</b>	<b>160</b>	<1.2	<b>31.2</b>	<b>82</b>	<b>79</b>	<b>140</b>		

Prepared By: T. Dushek, 8/7/23

Checked by: A. Voit, 10/11/23

**NOTES:**

All Units are in ug/L

Bold values indicate detections

A = Analyte averaged calibration criteria within acceptable limits

B = Analyte detected in associated Method Blank

M = Matrix spike or matrix spike duplicate outside acceptance limits.

J = Estimated Value

Q = Lab Control Sample outside acceptance limits

\* = Suspected methylene chloride laboratory contamination.

Volatile Organic Compounds - Historical Data  
WAULECO, INC - Wausau Facility  
Well - W25

Parameter	02/19/92	09/17/92	12/17/92	03/23/93	06/28/93	12/28/93	06/21/94	07/05/95	07/11/97	06/23/98	06/09/99	07/18/00	01/30/01	07/10/01	08/06/02	07/22/03	07/13/04	07/20/05	7/20/2005 duplicate
1,1,1,2-Tetrachloroethane				<1		<1	<1		<0.1	<0.3	<1.5	<0.4	<0.20	<0.4	<0.90	<0.90	<0.90	<0.50	<0.50
1,1,1-Trichloroethane	<5	<50	<5	<1	<1	<1	<1	<1	<0.3	<0.3	<1.5	<0.3	<0.20	<0.3	<0.50	<0.50	<0.50	<0.60	<0.60
1,1,2,2-Tetrachloroethane	<5	<50	<5	<1	<1	<1	<1	55	<0.2	<0.2	<1	<0.4	<0.20	<0.4	<0.80	<0.80	<0.80	<0.15	<0.15
1,1,2-Trichloroethane	<5	<50	<5	<1	<1	<1	<1	<1	<0.2	<0.2	<1	<0.2	<0.10	<0.2	<0.90	<0.90	<0.90	<0.40	<0.40
1,1-Dichloroethane	<5	<50	<5	<1	<1	<1	<1	<1	<0.2	<0.2	<1	<0.4	<0.10	<0.4	<0.50	<0.50	<0.50	<0.50	<0.50
1,1-Dichloroethene	<5	<50	<5	<1	<1	<1	<1	<1	<0.4	<0.2	<1	<0.9	<0.20	<0.9	<0.40	<0.40	<0.40	<0.50	<0.50
1,1-Dichloropropene				<1		<1	<1		<0.2	<0.3	<1.5	<0.4	<0.20	<0.4	<0.50	<0.50	<0.50	<0.50	<0.50
1,2,3-Trichlorobenzene				<1	<1	<1	<1		<0.5	<0.4	<2	<0.5	<0.30	<0.5	<0.50	<0.50	<0.50	<0.60	<0.60
1,2,3-Trichloropropane				<1		<1	<1		<0.3	<0.2	<1	<0.3	<0.10	<0.3	<0.80	<0.80	<0.80	<0.60	<0.60
1,2,4-Trichlorobenzene				<1	<1	<1	<1		<0.5	<0.3	<1.5	<0.5	<0.30	<0.5	<0.50	<0.50	<0.50	<0.70	<0.70
1,2,4-Trimethylbenzene				8.8	5.2	5.2	47		7	58	28	37	1.8	32	<0.50	<0.50	0.73 J	40	22
1,2-Dibromo-3-chloropropane				<3	<3	<3	<3		<0.3	<0.3	<1.5	<0.3	<0.40	<0.3	<0.40	<0.40	<0.40	<1.1	<1.1
1,2-Dibromoethane				<2	<2	<2	<2		<0.2	<0.4	<2	<0.3	<0.10	<0.3	<0.30	<0.30	<0.30	<0.60	<0.60
1,2-Dichlorobenzene				<1	<1	<1	<1	<1	<0.3	<0.3	<1.5	<0.3	<0.20	<0.3	<0.70	<0.70	<0.70	<0.50	<0.50
1,2-Dichloroethane	<5	<50	<5	<1	<1	<1	<1	<1	<0.2	<0.2	<1	<0.4	<0.20	<0.4	<0.90	<0.90	<0.90	<0.50	<0.50
cis-1,2-Dichloroethene				44	<1	17	3		8	18	14	7.7	8.6	2.2	2.3	2.8	<0.50	1.8	1.4
trans-1,2-Dichloroethene	<5	<50	<5	<1	<1	<1	<1	<1	<0.2	<0.3	<1.5	<0.8	<0.10	<0.8	<0.40	<0.40	<0.40	<0.60	<0.60
1,2-Dichloropropane	<5	<50	<5	<1	<1	<1	<1	<1	<0.1	<0.2	<1	<0.3	<0.20	<0.3	<0.40	<0.40	<0.40	<0.50	<0.50
1,3,5-Trimethylbenzene				2.6	3.7	<1	12		2.8	20	12	15	0.60	13	1.4	1.5	<0.50	14	6.9
1,3-Dichlorobenzene				<1	<1	<1	<1	<1	<0.7	<0.4	<2	<0.4	<0.10	<0.4	<0.50	<0.50	<0.50	<0.50	<0.50
cis-1,3-Dichloropropene	<5	<50	<5	<1		<1	<1	<1	<0.3	<0.3	<1.5	<0.2	<0.10	<0.2	<0.60	<0.60	<0.60	<0.12	<0.12
1,3-Dichloropropane				<1	<1	<1	<1		<0.3	<0.6	<3	<0.4	<0.10	<0.4	<1.2	<1.2	<1.2	<0.60	<0.60
trans-1,3-Dichloropropene	<5	<50	<5	<1		<1	<1	<1	<0.2	<0.2	<1	<0.5	<0.10	<0.5	<0.70	<0.70	<0.70	<0.14	<0.14
1,4-Dichlorobenzene				<1	<1	<1	<1	<1	<0.3	<0.3	<1.5	<0.4	<0.10	<0.4	<0.50	<0.50	<0.50	<0.50	<0.50
2,2-Dichloropropane				<1	<1	<1	<1		<0.2	<0.5	<2.5	<0.2	<0.20	<0.2	<0.60	<0.60	<0.60	<0.60	<0.60
2-Butanone (MEK)	<10	<100	<10															<7.0	<7.0
2-Chloroethyl vinyl ether								<10											
2-Chlorotoluene				<1	<1	<1	<1		<0.4	<0.3	<1.5	<0.4	<0.10	<0.4	<0.60	<0.60	<0.60	<0.50	<0.50
2-Hexanone	<10	<100	<10															<7.0	<7.0
4-Chlorotoluene				<1	<1	<1	<1		<0.3	<0.3	<1.5	<0.3	<0.20	<0.3	<0.60	<0.60	<0.60	<0.40	<0.40
4-Methyl-2-Pentanone (MIBK)	<10	<100	<10															<7.0	<7.0
Acetone	<10	108	13.1															<9.0	<9.0
Benzene	<5	<50	<5	<1	<1	<1	<1	<1	<0.2	2	<1.5	<0.1	<0.10	<0.1	<0.40	<0.40	<0.40	<0.40	<0.40
Bromobenzene				<1	<1	<1	<1		<0.3	<0.2	<1	<0.5	<0.10	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50
Bromochloromethane				<1		<1	<1		<0.4	<0.2	<1	<0.4	<0.10	<0.4	<0.50	<0.50	<0.50	<0.50	<0.50
Bromodichloromethane	<5	<50	<5	5.4	<1	<1	<1	<1	<0.2	<0.2	<1	<0.2	<0.10	<0.2	<0.40	<0.40	<0.40	<0.13	<0.13
Bromoform	<5	<50	<5	<1		<1	<1	<1	<0.3	<0.2	<1	<0.1	<0.20	<0.1	<0.60	<0.60	<0.60	<0.50	<0.50
Bromomethane	<10	<100	<10	<2		<2	<2	<2	<0.3	<0.9	<4.5	<0.4	<0.40	<0.4	<0.80	<0.80	<0.80	<0.80	<0.80

Volatile Organic Compounds - Historical Data  
WAULECO, INC - Wausau Facility  
Well - W25

Parameter	02/19/92	09/17/92	12/17/92	03/23/93	06/28/93	12/28/93	06/21/94	07/05/95	07/11/97	06/23/98	06/09/99	07/18/00	01/30/01	07/10/01	08/06/02	07/22/03	07/13/04	07/20/05	7/20/2005 duplicate	
n-Butylbenzene				6.8	3.8	2	6		<0.6	6.2	7.5	6.9	0.11	4.5	0.98	0.66	<0.50	2.8 A	14	
sec-Butylbenzene				1.9	2.6	<1	9.3		<0.3	6.8	5.5	4.5	0.39	2.5	0.8	<0.5	<0.50	2.8	8	
tert-Butylbenzene				<1	<1	<1	<1		<0.3	26	<1.5	<0.1	0.12	<0.1	2.8	<0.5	<0.50	0.83	5.6	
Carbon disulfide	<5	<50	<5																<1.1	<1.1
Carbon tetrachloride	<5	<50	<5	<1	<1	<1	<1	<1	<0.2	<0.4	<2	<0.3	<0.10	<0.3	<0.60	<0.60	<0.60	<0.60	<0.50	<0.50
Chlorobenzene	<5	<50	<5	<1	<1	<1	<1	<1	<0.3	<0.3	<1.5	<0.3	<0.10	<0.3	<0.80	<0.80	<0.80	<0.80	<0.50	<0.50
Chlorodibromomethane	<5	<50	<5	<1	<1	<1	<1	<1	<0.3	<0.3	<1.5	<0.4	<0.20	<0.4	<0.40	<0.40	<0.40	<0.40	<0.60	<0.60
Chloroethane	<10	<100	<10	<2	<2	<2	<2	<2	<0.4	<0.8	<4	<0.5	<0.40	<0.5	<0.50	<0.50	<0.50	<0.50	<0.70	<0.70
Chloroform	<5	<50	<5	2.3	<1	<1	<1	<1	<0.2	<0.2	<1	<0.5	1.1	<0.5	<0.60	<0.60	<0.60	0.62	0.58	
Chloromethane	<10	<100	<10	<2	<2	<2	<2	<2	<0.7	<0.9	<4.5	<0.3	<0.20	<0.3	<0.40	<0.40	<0.40	<0.40	<0.24	<0.24
Dibromomethane				<1		<1	<1		<0.1	<0.2	<1	<0.4	<0.20	<0.4	<0.50	<0.50	<0.50	<0.50	<0.70	<0.70
Dichlorodifluoromethane				<2	<2	<2	<2		<0.3	<1.2	<6	<0.5	<0.10	<0.5	<0.50	<0.50	<0.50	<0.50	<0.60	<0.60
Diisopropyl Ether					<1						<1.5	<0.1	<0.10	<0.1	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Ethylbenzene	<5	<50	<5	<1	<1	<1	3.4	2	<0.2	2.8	<1	<0.5	0.21	1.2	0.57	<0.50	<0.50	<0.50	1.6	0.91
Hexachlorobutadiene				<1	<1	<1	<1		<0.5	<0.6	<3	<0.6	<0.20	<0.6	<0.50	<0.50	<0.50	<0.50	<0.60	<0.60
Isopropylbenzene				4.2	6.3	<1	16		<0.2	5.6	8.5	3.2	0.34	2.8	0.85	0.52	<0.50	<0.50	4.2	2.3
p-Isopropyltoluene				<1	<1	<1	<1		<0.4	2.6	<1	2	<0.10	0.98	<0.50	<0.50	<0.50	<0.50	0.59	<0.40
Methyl tert-butyl ether					<1						<1	<1.1	<0.30	<1.1	<0.50	<0.50	<0.50	<0.50	<0.60	<0.60
Methylene chloride	<5	128	<10	<3	<3	<3	<3	<3	<0.3	<0.5	<2.5	<1.9	<0.40	<1.9	<1.0	<1.0	3.0 J,A,B,Q	<0.40	<0.40	
Naphthalene	28	<10	<10	3.2	<1	<1	19	30.5	<0.8	11	11	6.1	1.5	7.1	<0.50	<0.50	<0.50	<0.50	4.7	3.6
n-Propylbenzene				<1	2.1	<1	11		<0.3	8.2	4.5	5.9	0.44	5.5	0.93	0.75	<0.50	<0.50	7.8	4.2
Styrene	<5	<50	<5	<1		<1	<1		<0.2	<0.2	<1	<0.2	<0.10	<0.2	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50
Tetrachloroethene	<5	<50	<5	<1	<1	<1	<1	<1	<0.3	3	<3	<0.4	0.58	0.62 J	1.5	0.98	<0.50	1.0 J	0.78	0.73
Tetrahydrofuran																			<7.0	0.60
Toluene	<5	<50	<5	<1	<1	<1	1.1	1.25	<0.2	1.8	<1	<0.1	<0.20	<0.1	<0.50	<0.50	<0.50	<0.50	<0.40	<0.40
Trichloroethene	221	<50	41.3	380	11	130	95	49.5	48	130	95	49	39	43	31	34	14	37	<0.15	<0.15
Trichlorofluoromethane				<1	<1	<1	<1	<1	<0.5	<0.6	<3	<0.4	<0.20	<0.4	<0.40	<0.40	<0.40	<0.40	<0.50	<0.50
Vinyl acetate	<10	<100	<10																<8.0	<8.0
Vinyl chloride	<10	<100	<10	<1	<1	<1	<1	<1	<0.3	<0.5	<2.5	<0.4	<0.10	<0.4	<0.30	<0.30	<0.30	<0.30	<0.12	<0.12
Xylene, m & p-				<2	<2	<2	16	8.1	<0.4	6	<1.5	2.1	0.22	2.2	0.99	<0.60	<0.60	<0.60	1.7	<1.0
Xylene, o-				3.1	2.4	1.6	100	29.5	1.6	28	13	15	1.3	11	2.6	5.2	<0.50	<0.50	12	5.8
Xylenes, Total	62	<50	<5																	5.8

Volatile Organic Compounds - Historical Data  
WAULECO, INC - Wausau Facility  
Well - W25

Parameter	07/18/06	7/18/2006 duplicate	07/11/07	07/23/08	07/06/09	07/13/10	7/13/2010 Duplicate	07/19/11	7/19/2011 Duplicate	7/6/2012	7/5/2013	7/9/2014	7/8/2015	7/6/2016	7/11/2017	7/11/2018	7/8/2019	7/7/2020	7/7/2021	07/06/22	07/06/23	
1,1,1,2-Tetrachloroethane	<0.70	<0.70	<1.2	<0.60	<0.60	<0.24	<0.24	<0.40	<0.40													
1,1,1-Trichloroethane	<0.50	<0.50	<1.2	<0.60	<0.60	<0.21	<0.21	<0.29	<0.29													
1,1,2,2-Tetrachloroethane	<0.13	<0.13	<0.28	<0.14	<0.14	<0.19	<0.19	<0.30	<0.30													
1,1,2-Trichloroethane	<0.50	<0.50	<1.0	<0.50	<0.50	<0.26	<0.26	<0.30	<0.30													
1,1-Dichloroethane	<0.40	<0.40	<0.80	<0.40	<0.40	<0.20	<0.20	<0.28	<0.28													
1,1-Dichloroethene	<0.30	<0.30	<0.80	<0.40	<0.40	<0.24	<0.24	<0.29	<0.29													
1,1-Dichloropropene	<0.60	<0.60	<1.0	<0.50	<0.50	<0.24	<0.24	<0.40	<0.40													
1,2,3-Trichlorobenzene	<0.50	<0.50	<1.0	<0.50	<0.50	<0.30	<0.30	<0.40	<0.40													
1,2,3-Trichloropropane	<0.70	<0.70	<0.60	<0.30	<0.30	<0.21	<0.21	<0.40	<0.40													
1,2,4-Trichlorobenzene	<0.70	<0.70	<0.80	<0.40	<0.40	<0.30	<0.30	<0.30	<0.30													
1,2,4-Trimethylbenzene	110	110	49	1	11	42	71	42	40		<0.40	<0.60	<0.50	2.8	<0.40	<0.40	<0.40	<0.40	1.3	<0.91	<0.91	
1,2-Dibromo-3-chloropropane	<0.30	<0.30	<0.80	<0.40	<0.40	<0.40	<0.40	<0.50	<0.50													
1,2-Dibromoethane	<0.50	<0.50	<0.26	<0.13	<0.13	<0.16	<0.16	<0.30	<0.30													
1,2-Dichlorobenzene	<0.50	<0.50	<0.80	<0.40	<0.40	<0.23	<0.23	<0.40	<0.40													
1,2-Dichloroethane	<0.50	<0.50	<0.60	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30													
cis-1,2-Dichloroethene	1.4	1.2	1.2	<0.40	2.7	1.7	2.3	<0.30	<0.30													
trans-1,2-Dichloroethene	<0.40	<0.40	<1.0	<0.50	<0.50	<0.25	<0.25	<0.30	<0.30													
1,2-Dichloropropane	<0.50	<0.50	<0.42	<0.21	<0.21	<0.22	<0.22	<0.29	<0.29													
1,3,5-Trimethylbenzene	28	31	8.8	<0.19	3	2.3	5.7	24	22													
1,3-Dichlorobenzene	<0.40	<0.40	<0.80	<0.40	<0.40	<0.26	<0.26	<0.30	<0.30													
cis-1,3-Dichloropropene	<0.15	<0.15	<0.28	<0.14	<0.14	<0.19	<0.19	<0.28	<0.28													
1,3-Dichloropropane	<0.50	<0.50	<0.38	<0.19	<0.19	<0.23	<0.23	<0.30	<0.30													
trans-1,3-Dichloropropene	<0.14	<0.14	<0.28	<0.14	<0.14	<0.19	<0.19	<0.30	<0.30													
1,4-Dichlorobenzene	<0.60	<0.60	<1.0	<0.50	<0.50	<0.23	<0.23	<0.30	<0.30													
2,2-Dichloropropane	<0.60	<0.60	<0.60	<0.30	<0.30	<0.25	<0.25	<0.28	<0.28													
2-Butanone (MEK)	<5.0	<5.0	<8.0	<4.0	<4.0	<2.4	<2.4	<3.0	<3.0													
2-Chloroethyl vinyl ether																						
2-Chlorotoluene	<0.50	<0.50	<0.60	<0.30	<0.30	<0.22	<0.22	<0.30	<0.30													
2-Hexanone	<8.0	<8.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0													
4-Chlorotoluene	<0.60	<0.60	<0.60	<0.30	<0.30	<0.21	<0.21	<0.29	<0.29													
4-Methyl-2-Pentanone (MIBK)	<6.0	<6.0	<6.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0													
Acetone	<10.0	<10.0	<14	<7.0	<7.0	<5.0	<5.0	<5.0	<5.0													
Benzene	<0.40	<0.40	<0.32	<0.16	<0.16	<0.19	<0.19	<0.30	<0.30													
Bromobenzene	<0.60	<0.60	<0.60	<0.30	<0.30	<0.20	<0.20	<0.30	<0.30													
Bromochloromethane	<0.70	<0.70	<0.42	<0.21	<0.21	<0.22	<0.22	<0.40	<0.40													
Bromodichloromethane	<0.15	<0.15	<0.38	<0.19	<0.19	<0.20	<0.20	<0.30	<0.30													
Bromoform	<0.21	<0.21	<1.0	<0.50	<0.50	<0.22	<0.22	<0.24	<0.24													
Bromomethane	<0.90	<0.90	<0.80	<0.40	<0.40	<0.50	<0.50	<0.30	<0.30													

Volatile Organic Compounds - Historical Data  
WAULECO, INC - Wausau Facility  
Well - W25

Parameter	07/18/06	7/18/2006 duplicate	07/11/07	07/23/08	07/06/09	07/13/10	7/13/2010 Duplicate	07/19/11	7/19/2011 Duplicate	7/6/2012	7/5/2013	7/9/2014	7/8/2015	7/6/2016	7/11/2017	7/11/2018	7/8/2019	7/7/2020	7/7/2021	07/06/22	07/06/23	
n-Butylbenzene	1.2	1.2	1.2	<0.24	0.27	<0.23	0.57	2.7	2.5													
sec-Butylbenzene	4.8	4.8	2.5	0.89	2.9	4.3	5.5	3.2	3													
tert-Butylbenzene	2	2.1	0.81	<0.23	0.97	0.95	1.5	1.1	1													
Carbon disulfide	<1.0	<1.0	<1.0	<0.50	<0.50	<0.50	<0.50	<0.60	<0.60													
Carbon tetrachloride	<0.50	<0.50	<0.80	<0.40	<0.40	<0.40	<0.23	<0.40	<0.40													
Chlorobenzene	<0.40	<0.40	<0.60	<0.30	<0.30	<0.24	<0.24	<0.30	<0.30													
Chlorodibromomethane	<0.60	<0.60	<0.46	<0.23	<0.23	<0.19	<0.19	<0.26	<0.26													
Chloroethane	<0.60	<0.60	<0.80	<0.40	<0.40	<0.40	<0.40	<0.30	<0.30													
Chloroform	<0.50	<0.50	<0.44	<0.22	<0.22	<0.15	<0.15	<0.23	<0.23													
Chloromethane	<0.30	<0.30	<0.60	<0.30	0.47B	<0.40	<0.40	<0.40	<0.40													
Dibromomethane	<0.80	<0.80	<0.80	<0.40	<0.40	<0.24	<0.24	<0.30	<0.30													
Dichlorodifluoromethane	<0.29	<0.29	<0.80	<0.40	<0.40	<0.26	<0.26	<0.30	<0.30													
Diisopropyl Ether	<0.40	<0.40	<1.0	<0.50	<0.50	<0.20	<0.20	<0.30	<0.30													
Ethylbenzene	3.2	2.7	0.92	<0.28	0.72	0.88	1.7	0.89	0.73													
Hexachlorobutadiene	<0.90	<0.90	<1.2	<0.60	<0.60	<0.30	<0.30	<0.40	<0.40													
Isopropylbenzene	14	14	3.4	0.84	2.1	1.8	4.7	4.6	4.2													
p-Isopropyltoluene	1.2	1.1	0.54	<0.17	<0.17	<0.23	<0.23	1.7	1.5													
Methyl tert-butyl ether	<0.40	<0.40	<0.46	<0.23	<0.23	<0.29	<0.29	<0.30	<0.30													
Methylene chloride	<1.0	<1.0	4	<0.50	<0.50	<0.40	<0.40	<0.40	<0.40													
Naphthalene	5.2	4.6	3.7	1.1	1.1	<0.40	0.63	3.8	3.4	<0.32	<0.50	<1.2	<0.50	<0.90	<0.90	<0.90	<0.90	<0.90	<0.90	<1.1	<1.1	
n-Propylbenzene	12	11	4.7	<0.20	2	1.6	3.5	7.4	6.8													
Styrene	<0.50	<0.50	<0.60	<0.30	<0.30	<0.20	<0.20	<0.30	<0.30													
Tetrachloroethene	1.2	1.3	<0.80	0.78	1.2	1.5	1.6	0.67	0.69													
Tetrahydrofuran	<7.0	<7.0	<8.0	<4.0	<4.0	<3.0	<3.0	<4.0	<4.0													
Toluene	<0.40	<0.40	<0.40	<0.20	<0.20	<0.22	<0.22	<0.30	<0.30													
Trichloroethene	45	49	17	15	35	34	39	3.8	3.8													
Trichlorofluoromethane	<0.70	<0.70	<0.80	<0.40	<0.40	<0.20	<0.20	<0.40	<0.40													
Vinyl acetate	<1.7	<1.7	<2.2	<1.1	<1.1	<3.0	<3.0	<4.0	<4.0													
Vinyl chloride	<0.15	<0.15	<0.30	<0.15	<0.15	<0.18	<0.18	<0.19	<0.19													
Xylene, m & p-	19	20	1.1	<0.50	0.58	0.82	1.9	1.1	0.99		<0.90	<1.0	<1.1	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<2.0	<2.0	
Xylene, o-	44	47	5.3	<0.50	14	3.4	7.4	2	1.9		<0.50	<0.50	<0.50	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<1.1	<1.1	
Xylenes, Total	63	67	6.4	<1	14.58	4.22	9.3	3.1	2.89		<1.4	<1.5	<1.6	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<3.1	<3.1	

Prepared By: T. Dushek, 8/7/23

Checked by: A. Voit, 10/11/23

**NOTES:**

All Units are in ug/L

Bold values indicate detections

A = Analyte averaged calibration criteria within acceptable limits

B = Analyte detected in associated Method Blank

M = Matrix spike or matrix spike duplicate outside acceptance limits.

J = Estimated Value

Q = Lab Control Sample outside acceptance limits

\* = Suspected methylene chloride laboratory contamination.



Volatile Organic Compounds - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W26-W26R

Parameter	06/14/92	09/17/92	12/18/92	03/24/93	06/30/93	12/27/93	06/22/94	07/06/95	07/09/96	07/11/97	06/24/98	06/09/99	07/18/00	01/31/01	07/11/01	08/06/02	07/24/03	07/13/04	07/20/05
1,1,1,2-Tetrachloroethane				<1		<5	<1		<1	<0.1	<0.3	<1.5	<20	<4.0	<10	<23	<1.8	<0.90	<0.50
1,1,1-Trichloroethane	<5	<50	<50	<1	<1	<5	<1	<1	<1	<0.3	<0.3	<1.5	<15	<4.0	<7.5	<13	<b>5.5</b>	<0.50	<0.60
1,1,2,2-Tetrachloroethane	<5	<50	<50	<1	<1	<5	<1	<b>1.25</b>	<1	<0.2	<0.2	<1	<20	<4.0	<10	<20	<1.6	<0.80	<0.15
1,1,2-Trichloroethane	<5	<50	<50	<1	<1	<5	<1	<1	<1	<1	<0.2	<1	<10	<2.0	<5.0	<23	<1.8	<0.90	<0.40
1,1-Dichloroethane	<5	<50	<50	<1	<1	<5	<1	<1	<1	<0.2	<0.2	<1	<20	<2.0	<10	<13	<1.0	<0.50	<0.50
1,1-Dichloroethene	<5	<50	<50	<1	<1	<5	<1	<1	<1	<0.4	<0.2	<1	<45	<4.0	<23	<10	<0.80	<0.40	<0.50
1,1-Dichloropropene				<1		<5	<1		<1	<0.2	<0.3	<1.5	<20	<4.0	<10	<13	<1.0	<0.50	<0.50
1,2,3-Trichlorobenzene				<1	<1	<5	<1		<1	<0.5	<0.4	<2	<25	<6.0	<13	<13	<1.0	<0.50	<0.60
1,2,3-Trichloropropane				<1		<5	<1		<1	<0.3	<0.2	<1	<15	<2.0	<7.5	<20	<1.6	<0.80	<0.60
1,2,4-Trichlorobenzene				<1	<1	<5	<1		<1	<0.5	<0.3	<1.5	<25	<6.0	<13	<13	<1.0	<0.50	<0.70
1,2,4-Trimethylbenzene				<b>960</b>	<b>550</b>	<b>600</b>	<b>500</b>		<b>94.7</b>	<b>1300</b>	<b>900</b>	<b>230</b>	<b>570</b>	<b>570</b>	<b>500</b>	<b>440</b>	<b>46</b>	<b>15</b>	<b>19</b>
1,2-Dibromo-3-chloropropane				<3	<3	<15	<3		<3	<0.3	<0.3	<1.5	<15	<8.0	<7.5	<10	<0.80	<0.40	<1.1
1,2-Dibromoethane				<2	<2	<10	<2		<2	<0.2	<0.4	<2	<15	<2.0	<7.5	<7.5	<0.60	<0.30	<0.60
1,2-Dichlorobenzene				<1	<1	<5	<1	<1	<1	<0.3	<0.3	<1.5	<15	<4.0	<7.5	<18	<1.4	<0.70	<0.50
1,2-Dichloroethane	<5	<50	<50	<1	<1	<5	<1	<1	<1	<0.2	<0.2	<1	<20	<4.0	<10	<23	<1.8	<0.90	<0.50
cis-1,2-Dichloroethene				<1	<1	<5	<1	<b>2.3</b>	<1	<0.2	<0.2	<1	<20	<4.0	<10	<13	<1.0	<0.50	<0.60
trans-1,2-Dichloroethene	<5	<50	<50	<1	<1	<5	<1	<1	<1	<0.2	<0.3	<1.5	<40	<2.0	<20	<10	<0.80	<0.40	<0.60
1,2-Dichloropropane	<5	<50	<50	<1	<1	<5	<1	<1	<1	<0.1	<0.2	<1	<15	<4.0	<7.5	<10	<0.80	<0.40	<0.50
1,3,5-Trimethylbenzene				<b>340</b>	<b>160</b>	<b>80</b>	<b>88</b>		<b>16.0</b>	<b>380</b>	<b>300</b>	<b>70</b>	<b>210</b>	<b>120</b>	<b>140</b>	<b>99</b>	<b>1.2</b>	<0.50	<0.50
1,3-Dichlorobenzene				<1	<1	<5	<1	<1	<1	<0.7	<0.4	<2	<20	<2.0	<10	<13	<1.0	<0.50	<0.50
cis-1,3-Dichloropropene	<5	<50	<50	<1		<5	<1	<1	<1	<0.3	<0.3	<1.5	<10	<2.0	<5.0	<15	<1.2	<0.60	<0.12
1,3-Dichloropropane				<1	<1	<5	<1		<1	<0.3	<0.6	<3	<20	<2.0	<10	<30	<2.4	<1.2	<0.60
trans-1,3-Dichloropropene	<5	<50	<50	<1		<5	<1	<1	<1	<0.2	<0.2	<1	<25	<2.0	<13	<18	<1.4	<0.70	<0.14
1,4-Dichlorobenzene				<1	<1	<5	<1	<1	<1	<0.3	<0.3	<1.5	<20	<2.0	<10	<13	<1.0	<0.50	<0.50
2,2-Dichloropropane				<1	<1	<5	<1		<1	<0.2	<0.5	<2.5	<10	<4.0	<5.0	<15	<1.2	<0.60	<0.60
2-Butanone (MEK)	<10	<100	<100																<7.0
2-Chloroethyl vinyl ether								<10											
2-Chlorotoluene				<1	<1	<5	<1		<1	<0.4	<0.3	<1.5	<20	<2.0	<10	<15	<1.2	<0.60	<0.50
2-Hexanone	<10	<100	<100																<7.0
4-Chlorotoluene				<1	<1	<5	<1		<1	<0.3	<0.3	<1.5	<15	<4.0	<7.5	<15	<1.2	<0.60	<0.40
4-Methyl-2-Pentanone (MIBK)	<10	<100	<100																<7.0
Acetone	<b>10.5</b>	<100	<100																<9.0
Benzene	<b>27.5</b>	<50	<50	<b>24</b>	<b>18</b>	<b>25</b>	<b>13</b>	<b>37</b>	<b>3.8</b>	<0.2	<b>55</b>	<b>4</b>	<b>11</b>	<b>15</b>	<b>4.2 J</b>	<b>20</b>	<b>0.87</b>	<b>0.40 J</b>	<b>0.46</b>
Bromobenzene				<1	<1	<5	<1	<b>0</b>	<1	<0.3	<0.2	<1	<25	<2.0	<13	<13	<1.0	<0.50	<0.50
Bromochloromethane				<1		<5	<1	<b>0</b>	<1	<0.4	<0.2	<1	<20	<2.0	<10	<13	<1.0	<0.50	<0.50
Bromodichloromethane	<5	<50	<50	<1	<1	<5	<1	<1	<1	<0.2	<0.2	<1	<10	<2.0	<5.0	<10	<0.80	<0.40	<0.13
Bromoform	<5	<50	<50	<1		<5	<1	<1	<1	<0.3	<0.2	<1	<5	<4.0	<2.5	<15	<1.2	<0.60	<0.50
Bromomethane	<10	<100	<100	<2		<10	<2	<2	<2	<0.3	<0.9	<4.5	<20	<8.0	<10	<20	<1.6	<0.80	<0.80

Volatile Organic Compounds - Historical Data  
WAULECO, INC - Wausau Facility  
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Parameter	06/14/92	09/17/92	12/18/92	03/24/93	06/30/93	12/27/93	06/22/94	07/06/95	07/09/96	07/11/97	06/24/98	06/09/99	07/18/00	01/31/01	07/11/01	08/06/02	07/24/03	07/13/04	07/20/05	
n-Butylbenzene				190	65	21	26		11.1	100	120	29	76	11	39	56	5.3	14	0.64	
sec-Butylbenzene				27	12	15	13		4.5	30	60	10	<15	12	10 J	25	2.1	8	2.6	
tert-Butylbenzene				<1	<1	<5	<25		<1	<0.3	<0.3	<1.5	<5	4.6	<2.5	<13	<1.0	5.6	1.4	
Carbon disulfide	<5	<50	<50																<1.1	
Carbon tetrachloride	<5	<50	<50	<1	<1	<5	<1	<1	<1	<0.2	<0.4	<2	<15	<2.0	<7.5	<15	<1.2	<0.60	<0.50	
Chlorobenzene	<5	<50	<50	<1	<1	<5	<1	1.3	<1	<0.3	<0.3	<1.5	<15	<2.0	<7.5	<20	<1.6	<0.80	<0.50	
Chlorodibromomethane	<5	<50	<50	<1	<1	<5	<1	<1	<1	<0.3	<0.3	<1.5	<20	<4.0	<10	<10	<0.80	<0.40	<0.60	
Chloroethane	<10	<100	<100	<2	<2	<10	<2	<2	<2	<0.4	<0.8	<4	<25	<8.0	<13	<13	<1.0	<0.50	<0.70	
Chloroform	12.7	<50	<50	7.2	4.4	<5	2.6	<1	<1	<0.2	<0.2	<1	<25	<2.0	<13	<15	<1.2	<0.60	<0.50	
Chloromethane	<10	<100	<100	<2	<2	<10	<2	3.95	<2	<0.7	<0.9	<4.5	<15	<4.0	<7.5	<10	<0.80	<0.40	<0.24	
Dibromomethane				<1	<1	<5	<1	<1	<1	<0.1	<0.2	<1	<20	<4.0	<10	<13	<1.0	<0.50	<0.70	
Dichlorodifluoromethane				<2	<2	<10	<2		<2	<0.3	<1.2	<6	<25	<2.0	<13	<13	<1.0	<0.50	<0.60	
Diisopropyl Ether				0	<1							<1.5	<5	<2.0	<2.5	<13	<1.0	<0.50	<0.50	
Ethylbenzene	79.3	54.5	<50	49	31	42	27	67.5	8.5	35	60	7.5	26	24	15	28	<1.0	<0.50	<0.50	
Hexachlorobutadiene				<1	<1	<5	<1		<1	<0.5	<0.6	<3	<30	<4.0	<15	<13	<1.0	<0.50	<0.60	
Isopropylbenzene				58	26	32	22		7.3	40	60	16	34	19	19	33	1.5	0.52 J	1.7	
p-Isopropyltoluene				<1	21	12	<1		3.8	<0.4	55	3.5	<10	6.1	<5.0	20	<1.0	<0.50	<0.40	
Methyl tert-butyl ether					<1							<1	<55	<6.0	<28	<13	<1.0	<0.50	<0.60	
Methylene chloride	<5	82.7	103	<3	<3	<15	<3	<3	<3	<0.3	<0.5	<2.5	<95	<8.0	<48	<25	<2.0	3.1 J,A,B,Q	<0.40	
Naphthalene	38.5	84.9	<100	150	70	75	80	114.5	19.5	120	140	46	80	90	110	87	10	2.1	<0.60	
n-Propylbenzene				58	46	55	39		12.5	90	95	18	63	36	33	47	1.5	<0.50	0.95	
Styrene	<5	<50	<50	<1		<5	<25		<1	<0.2	<0.2	<1	<10	<2.0	<5.0	<13	<1.0	<0.50	<0.50	
Tetrachloroethene	<5	<50	<50	<1	<1	<5	1.5	1.45	<1	<0.3	<0.6	<3	<20	<2.0	<10	<13	<1.0	0.77 J	0.62	
Tetrahydrofuran																			0.60	<7.0
Toluene	102	107	77.5	85	45	65	42	98.5	7.8	45	60	3.5	42	36	7.8 J	23	<1.0	<0.50	<0.40	
Trichloroethene	72.7	56.8	63.3	60	35	38	20	40	11.1	15	<0.3	9	<15	24	<7.5	23	1.3	<0.15	1.7	
Trichlorofluoromethane				<1	<1	<5	<1	<1	<1	<0.5	<0.6	<3	<20	<4.0	<10	<10	<0.80	<0.40	<0.50	
Vinyl acetate	<10	<100	<100																<8.0	
Vinyl chloride	<10	<100	<100	<1	<1	<5	<1	<1	<1	<0.3	<0.5	<2.5	<20	<2.0	<10	<7.5	<0.60	<0.30	<0.12	
Xylene, m & p-				280	190	220	170	284.5	34.2	200	150	13	110	86	26	57	1.8	<0.60	<1.0	
Xylene, o-				460	260	300	220	321.5	43.0	480	310	85	300	190	180	160	6.4	1.0 J	0.64	
Xylenes, Total	569	993	523																	0.64

Volatile Organic Compounds - Historical Data  
 WAULECO, INC - Wausau Facility  
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Parameter	07/20/06	7/20/2006 Duplicate	07/10/07	7/10/2007 Duplicate	07/24/08	07/07/09	7/7/2009 Duplicate	07/15/10	07/20/11	7/20/2011 Duplicate	7/10/2012	7/2/2013	7/7/2014	7/9/2015	7/7/2016	7/17/2017	7/12/2018	7/15/2019	7/14/2020	7/12/2021	7/11/2022	7/6/2023
1,1,1,2-Tetrachloroethane	<0.70	<0.70	<0.60	<0.60	<1.2	<0.60	<0.60	<0.24	<0.40	<0.40												
1,1,1-Trichloroethane	<0.50	<0.50	<0.60	<0.60	<1.2	<0.60	<0.60	<0.21	<0.29	<0.29												
1,1,2,2-Tetrachloroethane	<0.13	<0.13	<0.14	<0.14	<.28	<0.14	<0.14	<0.19	<0.30	<0.30												
1,1,2-Trichloroethane	<0.50	<0.50	<0.50	<0.50	<1	<0.50	<0.50	<0.26	<0.30	<0.30												
1,1-Dichloroethane	<0.40	<0.40	<0.40	<0.40	<.80	<0.40	<0.40	<0.20	<0.28	<0.28												
1,1-Dichloroethene	<0.30	<0.30	<0.40	<0.40	<.80	<0.40	<0.40	<0.24	<0.29	<0.29												
1,1-Dichloropropene	<0.60	<0.60	<0.50	<0.50	<1	<0.50	<0.50	<0.24	<0.40	<0.40												
1,2,3-Trichlorobenzene	<0.50	<0.50	<0.50	<0.50	<1	<0.50	<0.50	<0.30	<0.40	<0.40												
1,2,3-Trichloropropane	<0.70	<0.70	<0.30	<0.30	<0.60	<0.30	<0.30	<0.21	<0.40	<0.40												
1,2,4-Trichlorobenzene	<0.70	<0.70	<0.40	<0.40	<0.80	<0.40	<0.40	<0.30	<0.30	<0.30												
1,2,4-Trimethylbenzene	49	61	1	52	140	<0.24	<0.24	44	0.66	0.42		<0.40	<0.60	1.2	0.5	<0.40	<0.40	180	2.2	2.1	<0.91	1.5
1,2-Dibromo-3-chloropropane	<0.30	<0.30	<0.40	<0.40	<0.80	<0.40	<0.40	<0.40	<0.50	<0.50												
1,2-Dibromoethane	<0.50	<0.50	<0.13	<0.13	<0.26	<0.13	<0.13	<0.16	<0.30	<0.30												
1,2-Dichlorobenzene	<0.50	<0.50	<0.40	<0.40	<0.80	<0.40	<0.40	<0.23	<0.40	<0.40												
1,2-Dichloroethane	<0.50	<0.50	<0.30	<0.30	<0.60	<0.30	<0.30	<0.30	<0.30	<0.30												
cis-1,2-Dichloroethene	<0.40	<0.40	<0.40	<0.40	<0.80	<0.40	<0.40	0.25	<0.30	<0.30												
trans-1,2-Dichloroethene	<0.40	<0.40	<0.50	<0.50	<1	<0.50	<0.50	<0.25	<0.30	<0.30												
1,2-Dichloropropane	<0.50	<0.50	<0.21	<0.21	<0.42	<0.21	<0.21	<0.22	<0.29	<0.29												
1,3,5-Trimethylbenzene	<0.40	<0.19	0.28	<0.19	20	<0.19	<0.19	0.4	0.55	0.47												
1,3-Dichlorobenzene	<0.40	<0.40	<0.40	<0.40	<0.80	<0.40	<0.40	<0.26	<0.30	<0.30												
cis-1,3-Dichloropropene	<0.15	<0.14	<0.14	<0.14	<0.28	<0.14	<0.14	<0.19	<0.28	<0.28												
1,3-Dichloropropane	<0.50	<0.19	<0.19	<0.19	<0.38	<0.19	<0.19	<0.23	<0.30	<0.30												
trans-1,3-Dichloropropene	<0.14	<0.14	<0.14	<0.14	<0.28	<0.14	<0.14	<0.19	<0.30	<0.30												
1,4-Dichlorobenzene	<0.60	<0.60	<0.50	<0.50	<1	<0.50	<0.50	<0.23	<0.30	<0.30												
2,2-Dichloropropane	<0.60	<0.60	<0.30	<0.30	<0.60	<0.30	<0.30	<0.25	<0.28	<0.28												
2-Butanone (MEK)	<5.0	<5.0	<4.0	<4.0	<8.0	<4.0	<4.0	<2.4	<3.0	<3.0												
2-Chloroethyl vinyl ether																						
2-Chlorotoluene	<0.50	<0.50	<0.30	<0.30	<0.60	<0.30	<0.30	<0.22	<0.30	<0.30												
2-Hexanone	<8.0	<8.0	<4.0	<4.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0												
4-Chlorotoluene	<0.60	<0.60	<0.30	<0.30	<0.60	<0.30	<0.30	<0.21	<0.29	<0.29												
4-Methyl-2-Pentanone (MIBK)	<6.0	<6.0	<3.0	<3.0	<6.0	<3.0	<3.0	<3.0	<3.0	<3.0												
Acetone	<10.0	<10.0	<7.0	<7.0	<14.0	<7.0	<7.0	<5.0	<5.0	<5.0												
Benzene	0.94	1.0	0.96	1	4	<0.16	<0.16	2.3	0.32	0.39												
Bromobenzene	<0.60	<0.60	<0.30	<0.30	<0.60	<0.30	<0.30	<0.20Q	<0.30	<0.30												
Bromochloromethane	<0.70	<0.70	<0.21	<0.21	<0.42	<0.21	<0.21	<0.22	<0.40	<0.40												
Bromodichloromethane	<0.15	<0.15	<0.19	<0.19	<0.38	<0.19	0.26	<0.20	<0.30	<0.30												
Bromoform	<0.21	<0.21	<0.50	<0.50	<1	<0.50	<0.50	<0.22	<0.24	<0.24												
Bromomethane	<0.90	<0.90	<0.40	<0.40	<0.80	<0.40	<0.40	<0.50	<0.30	<0.30												

Volatile Organic Compounds - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W26-W26R

Parameter	07/20/06	7/20/2006 Duplicate	07/10/07	7/10/2007 Duplicate	07/24/08	07/07/09	7/7/2009 Duplicate	07/15/10	07/20/11	7/20/2011 Duplicate	7/10/2012	7/2/2013	7/7/2014	7/9/2015	7/7/2016	7/17/2017	7/12/2018	7/15/2019	7/14/2020	7/12/2021	7/11/2022	7/6/2023
n-Butylbenzene	1.1	1.2	0.6	0.39	2.5	<0.24	<0.24	1.6	0.68	0.65												
sec-Butylbenzene	3.2	3.5	2.9	3.1	5.6	<0.29	<0.29	7.1	5.5	5.5												
tert-Butylbenzene	1.6	1.6	1.5	1.6	2.5	<0.23	<0.23	3.1	2.3	2.4												
Carbon disulfide	<1.0	<1.0	<0.50	<0.50	<1	<0.50	<0.50	<0.50	<0.60	<0.60												
Carbon tetrachloride	<0.50	<0.50	<0.40	<0.40	<0.80	<0.40	<0.40	<0.23	<0.40	<0.40												
Chlorobenzene	<0.40	<0.40	<0.30	<0.30	<0.60	<0.30	<0.30	<0.24	<0.30	<0.30												
Chlorodibromomethane	<0.60	<0.60	<0.23	<0.23	<0.46	<0.23	<0.23	<0.19	<0.26	<0.26												
Chloroethane	<0.60	<0.60	<0.40	<0.40	<0.80	<0.40	<0.40	<0.40	<0.30	<0.30												
Chloroform	<0.50	<0.50	<0.22	<0.22	0.48	5.9	6.5	0.42	0.46	0.45												
Chloromethane	<0.30	<0.30	<0.30	<0.30	<0.60	0.88AB	1.3AB	<0.40	<0.40	<0.40												
Dibromomethane	<0.80	<0.80	<0.40	<0.40	<0.80	<0.40	<0.40	<0.24	<0.30	<0.30												
Dichlorodifluoromethane	<0.29	<0.29	<0.40	<0.40	<0.80	<0.40	<0.40	<0.26	<0.30	<0.30												
Diisopropyl Ether	<0.40	<0.40	<0.50	<0.50	<1	<0.50	<0.50	<0.20	<0.30	<0.30												
Ethylbenzene	0.67	0.76	<0.28	<0.28	8.3	<0.28	<0.28	0.45	1.2	1.2												
Hexachlorobutadiene	<0.90	<0.90	<0.60	<0.60	<1.2	<0.60	<0.60	<0.30	<0.40	<0.40												
Isopropylbenzene	2.8	3.2	1.3	1.4	11	<0.20	<0.20	3	5	5.1												
p-Isopropyltoluene	<0.40	<0.40	<0.17	<0.17	0.94	<0.17	<0.17	<0.23	<0.30	<0.30												
Methyl tert-butyl ether	<0.40	<0.40	<0.23	<0.23	<0.46	<0.23	<0.23	<0.29	<0.30	<0.30												
Methylene chloride	<1.0	<1.0	<0.50	<0.50	<1	<0.50	<0.50	<0.40	<0.40	<0.40												
Naphthalene	3.5	4.1	<0.60	<0.60	32	<0.60	<0.60	15	8	8.1	<3.1 V	<0.50	<1.2	<0.50	<0.90	<0.90	<0.90	4.9	<0.90	2	<1.1	<1.1
n-Propylbenzene	2.1	2.3	0.21	<0.20	13	<0.20	<0.20	2.5	3.9	4.1												
Styrene	<0.50	<0.50	<0.30	<0.30	<0.60	<0.30	<0.30	<0.20	<0.30	0.55												
Tetrachloroethene	0.59	0.70	0.57	0.55	1.1	<0.40	<0.40	0.91	1.4	1.3												
Tetrahydrofuran	<7.0	<7.0	<4.0	<4.0	<8.0	<4.0	<4.0	<3.0	<4.0	<4.0												
Toluene	<0.40	<0.40	<0.20	<0.20	6.7	<0.20	<0.20	<0.22	<0.30	<0.30												
Trichloroethene	2.2	2.3	2.3	2.5	7	0.2	<0.15	3.6	2.7	2.8												
Trichlorofluoromethane	<0.70	<0.70	<0.40	<0.40	<0.80	<0.40	<0.40	<0.20	<0.40	<0.40												
Vinyl acetate	<1.7	<1.7	<1	<1	<2.2	<1	<1	<3	<4	<4												
Vinyl chloride	<0.15	<0.15	<0.15	<0.15	<0.30	<0.15	<0.15	<0.18	<0.19	<0.19												
Xylene, m & p-	1.5	1.8	1	1.1	21	<0.50	<0.50	2.6	<0.60	<0.60		<0.90	<1.0	<1.1	<0.80	<0.80	<0.80	7.7	<0.80	<0.80	<2.0	<2.0
Xylene, o-	2.6	2.9	1.1	1.2	52	<0.50	<0.50	2.4	18	19		<0.50	<0.50	<0.50	<0.40	<0.40	<0.40	25	1.2	0.72	<1.1	<1.1
Xylenes, Total	4.1	4.7	2.1	2.3	73	<1.0	<1.0	5	18	19		<1.4	<1.5	<1.6	<1.2	<1.2	<1.2	32.7	1.2	0.72	<3.1	<3.1

Prepared By: T. Dushek, 8/7/23

Checked by: A. Voit, 10/11/23

**NOTES:**

All Units are in ug/L

Bold values indicate detections

**A** = Analyte averaged calibration criteria within acceptable limits

**B** = Analyte detected in associated Method Blank

**M** = Matrix spike or matrix spike duplicate outside acceptance limits.

**J** = Estimated Value

**Q** = Lab Control Sample outside acceptance limits

\* = Suspected methylene chloride laboratory contamination.



Volatile Organic Compounds - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W27

Parameter	12/17/92	06/30/93	12/28/93	06/22/94	07/06/95	07/09/96	07/11/97	06/24/98	06/08/99	07/18/00	01/30/01	07/11/01	08/06/02	07/22/03	07/13/04	07/19/05	07/19/06	07/10/07	07/23/08	07/07/09	07/14/10	7/14/2010 Duplicate	07/25/11	07/10/12	07/05/13	07/09/14	07/09/15	07/11/16	07/18/17	7/18/2017 Duplicate	7/18/2018	7/18/2019	7/18/2019 Duplicate	7/16/2020	7/12/2021	07/12/22	7/12/2022 Duplicate	7/11/2023			
Styrene	<5		<1	<1		<10	<0.2	<0.2	<1	<2	<1.0	<2.0	<2.5	<b>3</b>	<10	<10.0	<2.5 *	<1.5	<6	<3	<2.0	<2.0	<3.0																		
Tetrachloroethene	<5	<1	<b>3.2</b>	<b>2.8</b>	<10	<10	<0.3	<0.6	<3	<4	<b>1.4</b>	<4.0	<2.5	<b>2.5</b>	<10	<8.0	<1.5 *	<2.0	<8	<4	<3.0	<3.0	<3.0																		
Tetrahydrofuran																																									
Toluene	<b>63.9</b>	<b>8.9</b>	<b>71</b>	<b>36</b>	100	<10	<b>6</b>	<b>18</b>	<b>1</b>	<b>6.4</b>	<b>3.4</b>	<1.0	<2.5	<1.3	<10	<8.0	<2.0 *	<1.0	<4	<2	<2.2	<b>2.8</b>	<3.0																		
Trichloroethene	<b>20.8</b>	<b>4.4</b>	<b>17</b>	<b>12</b>	<b>61</b>	<10	<b>4</b>	<b>15</b>	<1.5	<3	<b>5.8</b>	<3.0	<3.0	<1.5	<12	<b>3.6</b>	<b>3.4 *</b>	<b>3.3</b>	<b>5.4</b>	<b>4.1</b>	<b>6.8</b>	<b>6.4</b>	<4.0																		
Trichlorofluoromethane		<1	<1	<1	<10	<10	<0.5	<0.6	<3	<4	<2.0	<4.0	<2.0	<1.0	<8.0	<10.0	<3.5 *	<2.0	<8	<4	<2.0	<2.0	<4.0																		
Vinyl acetate	<10															<160.	<8.5 *	<5.5	<22	<11	<30	<30	<40																		
Vinyl chloride	<10	<1	<1	<1	<10	<10	<0.3	<0.5	<2.5	<4	<1.0	<4.0	<1.5	<0.75	<6.0	<2.4	<0.75 *	<0.75	<3	<1.5	<1.8	<1.8	<1.9																		
Xylene, m & p-		<b>36</b>	<b>300</b>	<b>240</b>	<b>480</b>	<b>42.6</b>	<b>46</b>	<b>70</b>	<b>22</b>	<b>19.5</b>	<b>33</b>	<b>2.7 J</b>	<b>6.9</b>	<b>9.3</b>	<b>21 J</b>	<20	<b>5.7 *</b>	<b>15</b>	<b>17</b>	<b>20</b>	<b>37</b>	<b>33</b>	<b>33</b>		<b>18</b>	<20	<22	<b>45</b>	<b>33</b>	<b>33</b>	<b>39</b>	<b>6.3</b>	<b>6.3</b>	<4	<b>24</b>	<b>27</b>	<b>20</b>	<20	<20		
Xylene, o-		<b>200</b>	<b>380</b>	<b>300</b>	<b>510</b>	<b>93.5</b>	<b>260</b>	<b>300</b>	<b>90</b>	<b>125</b>	<b>240</b>	<b>28</b>	<b>42</b>	<b>59</b>	<b>150</b>	<b>87</b>	<b>110 *</b>	<b>100</b>	<b>120</b>	<b>170</b>	<b>260</b>	<b>240</b>	<b>180</b>		<b>130</b>	<b>150</b>	<b>130</b>	<b>130</b>	<b>79</b>	<b>80</b>	<b>92</b>	<b>20</b>	<b>13</b>	<b>39</b>	<b>41</b>	<b>41</b>	<b>40</b>	<b>63</b>			
Xylenes, Total	<b>620</b>															<b>87</b>	<b>115.7 *</b>	<b>115</b>	<b>137</b>	<b>190</b>	<b>297</b>	<b>273</b>	<b>213</b>		<b>148</b>	<b>150</b>	<b>130</b>	<b>175</b>	<b>112</b>	<b>113</b>	<b>131</b>	<b>26.3</b>	<b>13</b>	<b>63</b>	<b>68</b>	<b>61</b>	<b>40</b>	<b>63</b>			

Prepared By: T. Dushek, 8/7/23

Checked by: A. Voit, 10/11/23

**NOTES:**

All Units are in ug/L

Bold values indicate detections

A = Analyte averaged calibration criteria within acceptable limits

B = Analyte detected in associated Method Blank

M = Matrix spike or matrix spike duplicate outside acceptance limits.

J = Estimated Value

Q = Lab Control Sample outside acceptance limits

\* = Suspected methylene chloride laboratory contamination.



Volatile Organic Compounds - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W28

Parameter	07/08/92	06/29/93	12/28/93	06/22/94	07/05/95	07/09/96	07/11/97	06/24/98	06/08/99	07/18/00	01/30/01	07/10/01	08/06/02	07/23/03	07/12/04	07/18/05	07/18/06	07/10/07	07/23/08	07/07/09	07/13/10	07/18/11	07/19/12	07/02/13	07/10/14	07/07/15	07/06/16	07/11/17	07/11/18	07/08/19	07/07/20	07/06/21	07/06/22	07/05/23			
Tetrachloroethene	<50	<1	<1	<1	<b>1.3</b>	<1	<b>0.3</b>	<b>1.2</b>	<b>0.6</b>	<0.4	<b>0.40</b>	<0.4	<0.50	<0.50	<b>0.94 J</b>	<b>0.65</b>	<b>0.41</b>	<0.40	<0.40	<b>0.62</b>	<b>0.49</b>	<b>0.66</b>															
Tetrahydrofuran																<7.0	<7.0	<4.0	<4.0	<4.0	<3.0	<4.0															
Toluene	<50	<1	<1	<1	<1	<1	<0.2	<0.2	<0.2	<0.1	<0.20	<0.1	<0.50	<0.50	<0.50	<0.40	<0.40	<0.20	<0.20	<0.20	<0.22	<0.30															
Trichloroethene	<50	<b>7</b>	<b>5.5</b>	<b>4.5</b>	<b>6.5</b>	<b>4.9</b>	<b>4.2</b>	<b>3.9</b>	<b>3</b>	<b>1.9</b>	<b>2.4</b>	<b>0.37 J</b>	<b>0.75</b>	<b>1.0</b>	<b>1.8 J</b>	<b>1.3</b>	<b>0.91</b>	<b>0.89</b>	<b>0.38</b>	<b>0.92</b>	<b>0.59</b>	<b>0.56</b>															
Trichlorofluoromethane		<1	<1	<1	<1	<1	<0.5	<0.6	<0.6	<0.4	<0.20	<0.4	<0.40	<0.40	<0.40	<0.50	<0.70	<0.40	<0.40	<0.40	<0.20	<0.40															
Vinyl acetate	<100															<8.0	<1.7	<1.1	<1.1	<1.1	<3.0	<4.0															
Vinyl chloride	<100	<1	<1	<1	<1	<1	<0.3	<0.5	<0.5	<0.4	<0.10	<0.4	<0.30	<0.30	<0.30	<0.12	<0.15	<0.15	<0.15	<0.15	<0.18	<0.19															
Xylene, m & p-		<2	<2	<2	<2	<2	<0.4	<0.3	<0.3	<0.2	<0.20	<0.2	<0.60	<0.60	<0.60	<1.0	<0.9	<0.50	<0.50	<0.50	<0.50	<0.60		<0.90	<1.0	<1.1	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<2.0	<2.0		
Xylene, o-		<1	<1	<1	<1	<1	<0.2	<0.5	<0.5	<0.1	<0.10	<0.1	<0.50	<0.50	<0.50	<0.40	<0.60	<0.50	<0.50	<0.50	<0.24	<0.29		<0.50	<0.50	<0.50	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<1.1	<1.1		
Xylenes, Total	<50																<1.5	<1.0	<1.0	<1.0	<1.0	<0.89		<1.4	<1.5	<1.6	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<3.1	<3.1			

Prepared By: T. Dushek, 8/7/23

Checked by: A. Voit, 10/11/23

**NOTES:**

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Bold values indicate detections

**A** = Analyte averaged calibration criteria within acceptable limits

**B** = Analyte detected in associated Method Blank

**M** = Matrix spike or matrix spike duplicate outside acceptance limits.

**J** = Estimated Value

**Q** = Lab Control Sample outside acceptance limits

\* = Suspected methylene chloride laboratory contamination.





Volatile Organic Compounds - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W29-W29R

Parameter	06/25/92	06/30/93	12/28/93	06/22/94	07/05/95	07/09/96	07/11/97	06/23/98	06/08/99	07/18/00	01/30/01	07/11/01	08/07/02	07/24/03	07/13/04	07/20/05	07/19/06	07/10/07	07/24/08	7/24/2008 Duplicate	07/07/09	07/14/10	07/19/11	07/09/12	07/02/13	07/07/14	07/07/15	07/11/16	7/11/2016 Duplicate	7/17/2017	7/19/2018	7/19/2018 Duplicate	7/16/2019	7/7/2020	7/12/2021	7/11/2022	7/6/2023		
Tetrachloroethene	<50	<1	<1	<1	<1	<1	<0.3	<b>1.8</b>	<0.6	<0.4	<0.10	<0.4	<0.50	<0.50	<0.50	<0.40	<0.29	<0.40	<0.40	<0.40	<0.40	<0.30	<b>0.51</b>																
Tetrahydrofuran																<7.0	<7.0	<4.0	<4.0	<4.0	<4.0	<3.0	<4.0																
Toluene	<50	<1	<1	<1	<1	<1	<0.2	<b>1.8</b>	<0.2	<0.1	<0.20	<0.1	<0.50	<0.50	<0.50	<0.40	<0.40	<0.20	<0.20	<0.20	<0.20	<0.22	<0.30																
Trichloroethene	<50	<b>3.4</b>	<b>10</b>	<b>3.1</b>	<b>20</b>	<b>34.4</b>	<b>17</b>	<b>17</b>	<0.3	<0.3	<0.20	<0.3	<0.60	<b>0.79</b>	<b>0.65 J</b>	<0.15	<0.15	<b>0.61</b>	<0.15	<0.15	<b>0.28</b>	<b>1.3</b>	<b>9.2</b>																
Trichlorofluoromethane		<1	<1	<1	<1	<1	<0.5	<0.6	<0.6	<0.4	<0.20	<0.4	<0.40	<0.40	<0.40	<0.50	<0.70	<0.40	<0.40	<0.40	<0.40	<0.20	<0.40																
Vinyl acetate	<100															<8.0	<1.7	<1.1	<1.1	<1.1	<1.1	<3.0	<4.0																
Vinyl chloride	<100	<1	<1	<1	<1	<1	<0.3	<0.5	<0.5	<0.4	<0.10	<0.4	<0.30	<0.30	<0.30	<0.12	<0.15	<0.15	<0.15	<0.15	<0.15	<0.18	<0.19																
Xylene, m & p-		<2	<2	<2	<2	<b>6.5</b>	<b>1.1</b>	<b>10</b>	<0.3	<0.2	<0.20	<0.2	<0.60	<0.60	<0.60	<1.0	<0.9	<0.50	<0.50	<0.50	<0.50	<0.60	<0.90	<1.0	<1.1	<b>5.7</b>	<b>5.3</b>	<b>3.6</b>	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<2.0	<2.0		
Xylene, o-		<1	<b>3.7</b>	<1	<b>6.5</b>	<b>40.2</b>	<b>8.8</b>	<b>60</b>	<0.5	<0.1	<0.10	<0.1	<0.50	<0.50	<0.50	<0.60	<0.50	<0.50	<0.50	<0.50	<0.50	<0.24	<0.29	<0.50	<0.50	<0.50	<b>2.4</b>	<b>2.2</b>	<b>1.4</b>	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<1.1	<1.1		
Xylenes, Total	<50															<1.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.89	<1.4	<1.5	<1.6	<b>8.1</b>	<b>7.5</b>	<b>5</b>	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<3.1	<3.1		

Prepared By: T. Dushek, 8/7/23

Checked by: A. Voit, 10/11/23

**NOTES:**

All Units are in ug/L

Bold values indicate detections

A = Analyte averaged calibration criteria within acceptable limits

B = Analyte detected in associated Method Blank

M = Matrix spike or matrix spike duplicate outside acceptance limits.

J = Estimated Value

Q = Lab Control Sample outside acceptance limits

V = Raised quantitation or reporting limit due to limited sample amount or dilution for matrix background interference

\* = Suspected methylene chloride laboratory contamination.







Volatile Organic Compounds - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W33

Parameter	06/25/92	06/30/93	12/28/93	06/22/94	07/05/95	08/07/02	07/24/03	07/14/04	07/21/05	07/11/07	07/24/08	07/07/09	07/15/10	07/25/11	07/19/12	07/08/13	07/07/14	07/09/15	07/12/16	07/18/17	07/19/18	07/15/19	07/14/20	07/14/21	07/11/22	07/11/23
Tetrachloroethene	<50	<1	<1	<1	<1	<b>160</b>	<25	<25	<20	<20	<20	<20	7.7	<0.60												
Tetrahydrofuran									<350	<200	<200	<200	<75	<8.0												
Toluene	<50	<1	<1	<1	<1	<b>100</b>	<25	<25	<20	<10	<b>11</b>	<10	<5.5	<0.60												
Trichloroethene	<50	<b>3.4</b>	<b>10</b>	<b>3.1</b>	<b>20</b>	<60	<30	<30	<7.5	<7.5	<7.5	<7.5	<5.3	<0.80												
Trichlorofluoromethane		<1	<1	<1	<1	<40	<20	<20	<25	<20	<20	<20	<5.0	<0.80												
Vinyl acetate	<100								<400	<55	<55	<55	<75	<8.0												
Vinyl chloride	<100	<1	<1	<1	<1	<30	<15	<15	<6.0	<7.5	<7.5	<7.5	<4.5	<0.38												
Xylene, m & p-		<2	<2	<2	<2	<b>590</b>	<b>260</b>	<b>110</b>	<b>110</b>	<b>170</b>	<b>230</b>	<b>160</b>	<b>130</b>	<b>1.9</b>	<9.0	<5.0	<5.5	<b>12</b>	<8.0	<b>4.1</b>	<0.8	<b>1.7</b>	<b>2.1</b>	<4.0	<b>13</b>	
Xylene, o-		<1	<b>3.7</b>	<1	<b>6.5</b>	<b>2200</b>	<b>740</b>	<b>570</b>	<b>360</b>	<b>430</b>	<b>490</b>	<b>370</b>	<b>310</b>	<b>9.3</b>	<b>42</b>	<b>52</b>	<b>43</b>	<b>54</b>	<b>25</b>	<b>38</b>	<b>5.1</b>	<b>8.8</b>	<b>18</b>	<b>35</b>	<b>68</b>	
Xylenes, Total	<50								<b>470</b>	<b>600</b>	<b>720</b>	<b>530</b>	<b>440</b>	<b>11.2</b>	<b>42</b>	<b>52</b>	<b>43</b>	<b>66</b>	<b>25</b>	<b>42.1</b>	<b>5.1</b>	<b>10.5</b>	<b>20.1</b>	<b>35</b>	<b>81</b>	

Prepared By: T. Dushek, 8/7/23

Checked by: A. Voit, 10/11/23

**NOTES:**

All Units are in ug/L

Bold values indicate detections

A = Analyte averaged calibration criteria within acceptable limits

B = Analyte detected in associated Method Blank

M = Matrix spike or matrix spike duplicate outside acceptance limits.

J = Estimated Value

Q = Lab Control Sample outside acceptance limits

\* = Suspected methylene chloride laboratory contamination.







Volatile Organic Compounds - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W39

Parameter	06/17/92	06/21/94	07/09/96	07/11/97	06/24/98	06/09/99	07/19/00	07/11/01	08/06/02	07/22/03	07/14/04	07/20/05	07/19/06	7/19/2006 Duplicate	07/11/07	07/24/08	07/07/09	07/14/10	07/25/11	07/10/12	07/08/13	07/08/14	07/09/15	07/07/16	07/17/17	07/12/18	
1,1,1,2-Tetrachloroethane		<1	<100	<0.1	<0.3	<3	<20	<20	<18	<9.0	<0.90	<0.50	<0.70	<0.70	<3.0	<6	<3.0	<2.4	<4.0								
1,1,1-Trichloroethane	<50	<1	<100	<0.3	<0.3	<3	<15	<15	<10	<5.0	<0.50	<0.60	<0.50	<0.50	<3.0	<6	<3.0	<2.1	<2.9								
1,1,2,2-Tetrachloroethane	<50	<1	<100	<0.2	<0.2	<2	<20	<20	<16	<8.0	<0.80	<0.15	<0.13	<0.13	<0.70	<1.4	<0.70	<1.9	<3.0								
1,1,2-Trichloroethane	<50	<1	<100	<1	<0.2	<2	<10	<10	<18	<9.0	<0.90	<0.40	<0.50	<0.50	<2.5	<5	<2.5	<2.6	<3.0								
1,1-Dichloroethane	<50	<1	<100	<0.2	<0.2	<2	<20	<20	<10	<5.0	<0.50	<0.50	<0.40	<0.40	<2.0	<4	<2.0	<2.0	<2.8								
1,1-Dichloroethene	<50	<1	<100	<0.4	<0.2	<2	<45	<45	<8.0	<4.0	<0.40	<0.50	<0.30	<0.30	<2.0	<4	<2.0	<2.4	<2.9								
1,1-Dichloropropene		<1	<100	<0.2	<0.3	<3	<20	<20	<10	<5.0	<0.50	<0.50	<0.60	<0.60	<2.5	<5	<2.5	<2.4	<4.0								
1,2,3-Trichlorobenzene		<1	<100	<0.5	<0.4	<4	<25	<25	<10	<5.0	<0.50	<0.60	<0.50	<0.50	<2.5	<5	<2.5	<3.0	<4.0								
1,2,3-Trichloropropane		<1	<100	<0.3	<0.2	<2	<15	<15	<16	<8.0	<0.80	<0.60	<0.70	<0.70	<1.5	<3	<1.5	<2.1	<4.0								
1,2,4-Trichlorobenzene		<1	<100	<0.5	<0.3	<3	<25	<25	<10	<5.0	<0.50	<0.70	<0.70	<0.70	<2.0	<4	<2.0	<3.0	<3.0								
1,2,4-Trimethylbenzene	<b>2400</b>	<b>606.2</b>	<b>1030</b>	<b>440</b>	<b>450</b>	<b>780</b>	<b>1200</b>	<b>530</b>	<b>210</b>	<b>24</b>	<b>8.1</b>	<b>130</b>	<b>79</b>	<b>350</b>	<b>210</b>	<b>390</b>	<b>420</b>	<b>380</b>		<b>150</b>	<b>130</b>	<b>56</b>	<b>130</b>	<b>96</b>	<b>100</b>		
1,2-Dibromo-3-chloropropane		<3	<300	<0.3	<0.3	<3	<15	<15	<8.0	<4.0	<0.40	<1.1	<0.30	<0.30	<2.0	<4	<2.0	<4.0	<5.0								
1,2-Dibromoethane		<2	<200	<0.2	<0.4	<4	<15	<15	<6.0	<3.0	<0.30	<0.60	<0.50	<0.50	<0.65	<1.3	<0.65	<1.6	<3.0								
1,2-Dichlorobenzene		<1	<100	<0.3	<0.3	<3	<15	<15	<14	<7.0	<0.70	<0.50	<0.50	<0.50	<2.0	<4	<2.0	<2.3	<4.0								
1,2-Dichloroethane	<50	<1	<100	<0.2	<0.2	<2	<20	<20	<18	<9.0	<0.90	<0.50	<0.50	<0.50	<1.5	<3	<1.5	<3.0	<3.0								
cis-1,2-Dichloroethene		<1	<100	<0.2	<0.2	<2	<20	<20	<10	<5.0	<0.50	<0.60	<0.40	<0.40	<2.0	<4	<2.0	<2.5	<3.0								
trans-1,2-Dichloroethene	<50	<1	<100	<0.2	<0.3	<3	<40	<40	<8.0	<4.0	<0.40	<0.60	<0.40	<0.40	<2.5	<5	<2.5	<2.5	<3.0								
1,2-Dichloropropane	<50	<1	<100	<0.1	<0.2	<2	<15	<15	<8.0	<4.0	<0.40	<0.50	<0.50	<0.50	<1.1	<2.1	<1.1	<2.2	<2.9								
1,3,5-Trimethylbenzene		<b>600</b>	<b>328.24</b>	<b>520</b>	<b>200</b>	<b>330</b>	<b>470</b>	<b>590</b>	<b>600</b>	<b>140</b>	<b>20</b>	<b>7.3</b>	<b>130</b>	<b>81</b>	<b>150</b>	<b>71</b>	<b>190</b>	<b>230</b>	<b>140</b>								
1,3-Dichlorobenzene		<1	<100	<0.7	<0.4	<4	<20	<20	<10	<5.0	<0.50	<0.50	<0.40	<0.40	<2.0	<4	<2.0	<2.6	<3.0								
cis-1,3-Dichloropropene	<50	<1	<100	<0.3	<0.3	<3	<10	<10	<12	<6.0	<0.60	<0.12	<0.14	<0.14	<0.70	<1.4	<0.70	<1.9	<2.8								
1,3-Dichloropropane		<1	<100	<0.3	<0.6	<6	<20	<25	<24	<12	<1.2	<0.60	<0.19	<0.19	<0.95	<1.9	<0.95	<2.3	<3.0								
trans-1,3-Dichloropropene	<50	<1	<100	<0.2	<0.2	<2	<25	<25	<14	<7.0	<0.70	<0.14	<0.14	<0.14	<0.70	<1.4	<0.70	<1.9	<3.0								
1,4-Dichlorobenzene		<1	<100	<0.3	<0.3	<3	<20	<20	<10	<5.0	<0.50	<0.50	<0.60	<0.60	<2.5	<5	<2.5	<2.3	<3.0								
2,2-Dichloropropane		<1	<100	<0.2	<0.5	<5	<10	<10	<12	<6.0	<0.60	<0.60	<0.60	<0.60	<1.5	<3	<1.5	<2.5	<2.8								
2-Butanone (MEK)	<100											<7.0	<5.0	<5.0	<20	<40	<20	<24	<30								
2-Chlorethyl vinyl ether																											
2-Chlorotoluene		<1	<100	<0.4	<0.3	<3	<20	<20	<12	<6.0	<0.60	<0.50	<0.50	<0.50	<1.5	<3	<1.5	<2.2	<3.0								
2-Hexanone	<100											<7.0	<8.0	<8.0	<20	<40	<20	<40	<40								
4-Chlorotoluene		<1	<100	<0.3	<0.3	<3	<15	<15	<12	<6.0	<0.60	<0.40	<0.60	<0.60	<1.5	<3	<1.5	<2.1	<2.9								
4-Methyl-2-Pentanone (MIBK)	<100											<7.0	<6.0	<6.0	<15	<30	<15	<30	<30								
Acetone	<b>190</b>											<9.0	<b>12</b>	<b>16</b>	<35	<70	<35	<50	<50								
Benzene	<50	<b>5.3</b>	<100	<0.2	<0.3	<3	<5	<5.0	<8.0	<4.0	<0.40	<0.40	<0.40	<0.40	<0.80	<1.6	<0.80	<1.9	<3.0								
Bromobenzene		<1	<100	<0.3	<0.2	<2	<25	<25	<10	<5.0	<0.50	<0.50	<0.60	<0.60	<1.5	<3	<1.5	<2.0	<3.0								
Bromochloromethane		<1	<100	<0.4	<0.2	<2	<20	<20	<10	<5.0	<0.50	<0.50	<0.70	<0.70	<1.1	<2.1	<1.1	<2.2	<4.0								
Bromodichloromethane	<50	<1	<100	<0.2	<0.2	<2	<10	<10	<8.0	<4.0	<0.40	<0.13	<0.15	<0.15	<0.95	<1.9	<0.95	<2.0	<3.0								

Volatile Organic Compounds - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W39

Parameter	06/17/92	06/21/94	07/09/96	07/11/97	06/24/98	06/09/99	07/19/00	07/11/01	08/06/02	07/22/03	07/14/04	07/20/05	07/19/06	7/19/2006 Duplicate	07/11/07	07/24/08	07/07/09	07/14/10	07/25/11	07/10/12	07/08/13	07/08/14	07/09/15	07/07/16	07/17/17	07/12/18
Bromoform	<50	<1	<100	<0.3	<0.2	<2	<5	<5.0	<12	<6.0	<0.60	<0.50	<0.21	<0.21	<2.5	<5	<2.5	<2.2	<2.4							
Bromomethane	<100	<2	<200	<0.3	<0.9	<9	<20	<20	<16	<8.0	<0.80	<0.80	<0.90	<0.90	<2.0	<4	<2.0	<5.0	<3.0							
n-Butylbenzene		<b>320</b>	<b>631.4</b>	<b>360</b>	<b>130</b>	<b>240</b>	<b>250</b>	<b>350</b>	<b>570</b>	<b>180</b>	<b>37</b>	<b>4.5</b>	<b>19</b>	<b>22</b>	<b>29</b>	<b>15</b>	<b>41</b>	<b>42</b>	<b>12</b>							
sec-Butylbenzene		<b>160</b>	<b>238.3</b>	<b>260</b>	<b>66</b>	<b>66</b>	<b>79</b>	<b>47 J</b>	<b>78</b>	<b>26</b>	<b>9.9</b>	<b>6.1</b>	<b>10</b>	<b>11</b>	<b>21</b>	<b>12</b>	<b>30</b>	<b>27</b>	<b>15</b>							
tert-Butylbenzene		<25	<100	<0.3	<0.3	<3	<5	<5.0	<10	<5.0	<b>7</b>	<b>2.1</b>	<b>7.2</b>	<b>8.4</b>	<b>8.7</b>	<b>4.4</b>	<b>11</b>	<b>5.2</b>	<b>5.6</b>							
Carbon disulfide	<50											<1.1	<1.0	<1.0	<2.5	<5	<2.5	<5.0	<6.0							
Carbon tetrachloride	<50	<1	<100	<0.2	<0.4	<4	<15	<15	<12	<6.0	<0.60	<0.50	<0.50	<0.50	<2.0	<4	<2.0	<2.3	<4.0							
Chlorobenzene	<50	<1	<100	<0.3	<0.3	<3	<15	<15	<16	<8.0	<0.80	<0.50	<0.40	<0.40	<1.5	<3	<1.5	<2.4	<3.0							
Chlorodibromomethane	<50	<1	<100	<0.3	<0.3	<3	<20	<20	<8.0	<4.0	<0.40	<0.60	<0.60	<0.60	<1.2	<2.3	<1.2	<1.9	<2.6							
Chloroethane	<100	<2	<200	<0.4	<0.8	<8	<25	<25	<10	<5.0	<0.50	<0.70	<0.60	<0.60	<2.0	<4	<2.0	<4.0	<3.0							
Chloroform	<50	<b>3.5</b>	<100	<0.2	<0.2	<2	<25	<25	<12	<6.0	<0.60	<0.50	<0.50	<0.50	<1.1	<2.2	<1.1	<b>4.8</b>	<b>5.9</b>							
Chloromethane	<100	<2	<200	<0.7	<0.9	<9	<15	<15	<8.0	<4.0	<0.40	<0.24	<0.30	<b>0.36</b>	<1.5	<3	<1.5	<4.0	<4.0							
Dibromomethane		<1	<100	<0.1	<0.2	<2	<20	<20	<10	<5.0	<0.50	<0.70	<0.80	<0.80	<2.0	<4	<2.0	<2.4	<3.0							
Dichlorodifluoromethane		<2	<200	<0.3	<1.2	<12	<25	<25	<10	<5.0	<0.50	<0.60	<0.29	<0.29	<2.0	<4	<2.0	<2.6	<3.0							
Diisopropyl Ether						<3	<5	<5.0	<10	<5.0	<0.50	<0.50	<0.40	<0.40	<2.5	<5	<2.5	<2.0	<3.0							
Ethylbenzene	<b>69.5</b>	<b>75</b>	<100	<0.2	<0.2	<2	<5	<5.0	<10	<5.0	<0.50	<0.50	<0.50	<0.50	<b>2.2</b>	<2.8	<b>6.8</b>	<b>3.4</b>	<b>3</b>							
Hexachlorobutadiene		<1	<100	<0.5	<0.6	<6	<30	<30	<10	<5.0	<0.50	<0.60	<0.90	<0.90	<3.0	<6	<3.0	<3.0	<4.0							
Isopropylbenzene		<b>180</b>	<b>180.87</b>	<b>310</b>	<b>44</b>	<b>27</b>	<b>25</b>	<b>24</b>	<b>33</b>	<5.0	<b>5.7</b>	<b>0.45</b>	<b>0.99</b>	<b>1.2</b>	<b>10</b>	<b>6.7</b>	<b>16</b>	<1.8	<b>15</b>							
p-Isopropyltoluene		<25	<100	<b>480</b>	<b>56</b>	<b>78</b>	<b>78</b>	<b>64</b>	<b>110</b>	<b>37</b>	<b>9.9</b>	<b>4.6</b>	<b>23</b>	<b>27</b>	<b>30</b>	<b>13</b>	<b>42</b>	<b>38</b>	<b>13</b>							
Methyl tert-butyl ether						<2	<55	<55	<10	<5.0	<0.50	<0.60	<0.40	<0.40	<1.2	<2.3	<1.2	<2.9	<3.0							
Methylene chloride	<50	<3	<300	<0.3	<0.5	<5	<95	<95	<20	<10	<b>2.9 J,A,B,Q</b>	<0.40	<1.0	<1.0	<b>2.7</b>	<5	<2.5	<b>10</b>	<b>9.8 B</b>							
Naphthalene	<b>632</b>	<b>160</b>	<b>121.68</b>	<0.8	<b>48</b>	<b>40</b>	<b>84</b>	<b>130</b>	<b>54</b>	<5.0	<b>1.2 J</b>	<b>0.75</b>	<b>5</b>	<b>6.9</b>	<b>35</b>	<b>25</b>	<b>72</b>	<b>30</b>	<b>13</b>	<b>19</b>	<b>21</b>	<b>23</b>	<b>12</b>	<b>19</b>	<b>13</b>	<b>14</b>
n-Propylbenzene		<b>280</b>	<100	<b>710</b>	<b>54</b>	<b>34</b>	<b>41</b>	<b>53</b>	<b>58</b>	<b>14</b>	<b>5.1</b>	<b>0.98</b>	<b>2.1</b>	<b>2.5</b>	<b>16</b>	<b>10</b>	<b>27</b>	<b>17</b>	<b>21</b>							
Styrene	<50	<25	<b>309.4</b>	<0.2	<0.2	<2	<10	<10	<b>63</b>	<b>27</b>	<b>14</b>	<0.50	<0.50	<0.50	<1.5	<3	<1.5	<2.0	<3.0							
Tetrachloroethene	<50	<b>3</b>	<100	<0.3	<0.6	<6	<20	<20	<10	<5.0	<b>5</b>	<b>0.47</b>	<b>1.6</b>	<b>2</b>	<2.0	<4	<2.0	<3.0	<3.0							
Tetrahydrofuran												<7.0	<7.0	<7.0	<20	<40	<20	<30	<40							
Toluene	<b>189</b>	<1	<100	<0.2	<0.2	<2	<b>18</b>	<5.0	<10	<5.0	<0.50	<0.40	<0.40	<0.40	<1.0	<2	<1.0	<2.2	<3.0							
Trichloroethene	<50	<b>19</b>	<100	<0.2	<0.3	<3	<15	<15	<12	<6.0	<0.60	<b>0.31</b>	<b>0.34</b>	<b>0.33</b>	<0.75	<1.5	<0.75	<2.1	<4.0							
Trichlorofluoromethane		<1	<100	<0.5	<0.6	<6	<20	<20	<8.0	<4.0	<0.40	<0.50	<0.70	<0.70	<2.0	<4	<2.0	<2.0	<4.0							
Vinyl acetate	<100											<8.0	<1.7	<1.7	<5.5	<11	<5.5	<30	<40							
Vinyl chloride	<100	<1	<100	<0.3	<0.5	<5	<20	<20	<6.0	<3.0	<0.30	<0.12	<0.15	<0.15	<0.75	<1.5	<0.75	<1.8	<1.9							
Xylene, m & p-		<b>450</b>	<200	<b>90</b>	<b>46</b>	<b>23</b>	<b>87</b>	<b>75</b>	<b>33</b>	<b>6.4</b>	<b>2</b>	<1.0	<b>1.3</b>	<b>1.8</b>	<b>9.3</b>	<b>8.3</b>	<b>22</b>	<b>17</b>	<b>19</b>		<4.5	<5.0	<2.2	<b>6</b>	<4.0	<4.0
Xylene, o-		<b>600</b>	<100	<0.2	<0.5	<b>87</b>	<b>230</b>	<b>190</b>	<b>82</b>	<b>14</b>	<0.50	<b>0.62</b>	<b>4.6</b>	<b>6.5</b>	<b>38</b>	<b>38</b>	<b>86</b>	<b>76</b>	<b>55</b>		<b>23</b>	<b>18</b>	<b>11</b>	<b>20</b>	<b>13</b>	<b>15</b>
Xylenes, Total	<b>1000</b>											<b>0.62</b>	<b>5.9</b>	<b>8.3</b>	<b>47.3</b>	<b>46.3</b>	<b>108</b>	<b>93</b>	<b>74</b>							

Prepared By: T. Dushek, 12/5/18

Checked by: A.Voit, 12/16/18

**NOTES:**

All Units are in ug/L

Bold values indicate detections

**A** = Analyte averaged calibration criteria within acceptable limits

**B** = Analyte detected in associated Method Blank

**M** = Matrix spike or matrix spike duplicate outside acceptance limits.

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**Q** = Lab Control Sample outside acceptance limits

\* = Suspected methylene chloride laboratory contamination.

Volatile Organic Compounds - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W40-W40R

Parameter	07/15/10	07/25/11	07/19/12	07/08/13	07/08/14	07/09/15	07/12/16	07/18/17	07/19/18	07/18/19	07/16/20	7/16/2020 Duplicate	7/14/2021	7/11/2023
1,1,1,2-Tetrachloroethane	<2.4	<10												
1,1,1-Trichloroethane	<2.1	<7.3												
1,1,2,2-Tetrachloroethane	<1.9	<7.5												
1,1,2-Trichloroethane	<2.6	<7.5												
1,1-Dichloroethane	<2.0	<7.0												
1,1-Dichloroethene	<2.4	<7.3												
1,1-Dichloropropene	<2.4	<10												
1,2,3-Trichlorobenzene	<3.0	<10												
1,2,3-Trichloropropane	<2.1	<10												
1,2,4-Trichlorobenzene	<3.0	<7.5												
1,2,4-Trimethylbenzene	2000	1700		4300	1600	1400	1400	2200	4400	1200	460	470	510	1200
1,2-Dibromo-3-chloropropane	<4.0	<13												
1,2-Dibromoethane	<1.6	<7.5												
1,2-Dichlorobenzene	<2.3	<10												
1,2-Dichloroethane	<3.0	<7.5												
cis-1,2-Dichloroethene	<2.5	<7.5												
trans-1,2-Dichloroethene	<2.5	<7.5												
1,2-Dichloropropane	<2.2	<7.3												
1,3,5-Trimethylbenzene	590	610												
1,3-Dichlorobenzene	<2.6	<7.5												
cis-1,3-Dichloropropene	<1.9	<7.0												
1,3-Dichloropropane	<2.3	<7.5												
trans-1,3-Dichloropropene	<1.9	<7.5												
1,4-Dichlorobenzene	<2.3	<7.5												
2,2-Dichloropropane	<2.5	<7.0												
2-Butanone (MEK)	<24	<75												
2-Chloroethyl vinyl ether														
2-Chlorotoluene	<2.2	<7.5												
2-Hexanone	<40	<100												
4-Chlorotoluene	<2.1	<7.3												
4-Methyl-2-Pentanone (MIBK)	<30	<75												
Acetone	<50	<130												
Benzene	2.7	<7.5												
Bromobenzene	<2.0Q	<7.5												
Bromochloromethane	<2.2	<10												
Bromodichloromethane	<2.0	<7.5												
Bromoform	<2.2	<6.0												
Bromomethane	<5.0	<7.5												
n-Butylbenzene	150	73												
sec-Butylbenzene	78	49												
tert-Butylbenzene	22	17												
Carbon disulfide	<5.0	<15												
Carbon tetrachloride	<2.3	<10												
Chlorobenzene	<2.4	<7.5												
Chlorodibromomethane	<1.9	<6.5												
Chloroethane	<4.0	<7.5												
Chloroform	8	6.2												
Chloromethane	<4.0	<10												
Dibromomethane	<2.4	<7.5												
Dichlorodifluoromethane	<2.6	<7.5												
Diisopropyl Ether	<2.0	<7.5												
Ethylbenzene	38	36												
Hexachlorobutadiene	<3.0	<10												
Isopropylbenzene	49	50												
p-Isopropyltoluene	120	83												

Volatile Organic Compounds - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W40-W40R

Parameter	07/15/10	07/25/11	07/19/12	07/08/13	07/08/14	07/09/15	07/12/16	07/18/17	07/19/18	07/18/19	07/16/20	7/16/2020 Duplicate	7/14/2021	7/11/2023
Methyl tert-butyl ether	<2.9	<7.5												
Methylene chloride	<b>8.9</b>	<b>31 B</b>												
Naphthalene	<b>170</b>	<b>230</b>	<b>150 M</b>	<b>600</b>	<b>250</b>	<b>200</b>	<b>200</b>	<b>300</b>	<b>580</b>	<b>150</b>	<18	<b>53</b>	<b>53</b>	<b>130</b>
n-Propylbenzene	<b>100</b>	<b>79</b>												
Styrene	<2.0	<7.5												
Tetrachloroethene	<3.0	<7.5												
Tetrahydrofuran	<30	<100												
Toluene	<b>12</b>	<b>14</b>												
Trichloroethene	<b>21</b>	<b>17</b>												
Trichlorofluoromethane	<2.0	<10												
Vinyl acetate	<30	<100												
Vinyl chloride	<1.8	<4.8												
Xylene, m & p-	<b>160</b>	<b>170</b>		<b>130</b>	<50	<b>66</b>	<b>120</b>	<b>89</b>	<b>100</b>	<b>31</b>	<16	<16	<b>21</b>	<b>57</b>
Xylene, o-	<b>460</b>	<b>450</b>		<b>680</b>	<b>440</b>	<b>380</b>	<b>450</b>	<b>440</b>	<b>790</b>	<b>270</b>	<b>88</b>	<b>88</b>	<b>82</b>	<b>280</b>
Xylenes, Total	<b>620</b>	<b>620</b>		<b>810</b>	<b>440</b>	<b>446</b>	<b>570</b>	<b>529</b>	<b>890</b>	<b>301</b>	<b>88</b>	<b>88</b>	<b>103</b>	<b>337</b>

Prepared By: T. Dushek, 8/7/23

Checked by: A. Voit, 10/11/23

**NOTES:**

All Units are in ug/L

Bold values indicate detections

**A** = Analyte averaged calibration criteria within acceptable limits

**B** = Analyte detected in associated Method Blank

**M** = Matrix spike or matrix spike duplicate outside acceptance limits.

**J** = Estimated Value

**Q** = Lab Control Sample outside acceptance limits

\* = Suspected methylene chloride laboratory contamination.

Volatile Organic Compounds - Historical Data  
WAULECO, INC - Wausau Facility  
Well - W41

Parameter	06/16/92	09/17/92	12/19/92	03/24/93	06/30/93	12/28/93	06/21/94	07/06/95	07/09/96	07/11/97	06/24/98	06/08/99	07/19/00	01/31/01	07/11/01	08/06/02	07/22/03	07/13/04	7/13/2004 Duplicate	07/19/05
1,1,1,2-Tetrachloroethane				<1		<1	<1	<10	<0.1	<0.3	<3	<4	<4	<2.0	<2.0	<4.5	<4.5	<0.90	<4.5	<10.0
1,1,1-Trichloroethane	<50	<50	<5	<1	<100	<1	<1	<20	<10	<0.3	<0.3	<3	<3	<2.0	<1.5	<2.5	<2.5	<0.50	<2.5	<12.0
1,1,2,2-Tetrachloroethane	<50	<50	<5	<1	<100	<1	<1	<20	<10	<0.2	<0.2	<2	<4	<2.0	<2.0	<4.0	<4.0	<0.80	<4.0	<3.0
1,1,2-Trichloroethane	<50	<50	<5	<1	<100	<1	<1	<20	<10	<1	<0.2	<2	<2	<1.0	<1.0	<4.5	<4.5	<0.90	<4.5	<8.0
1,1-Dichloroethane	<50	<50	<5	<1	<100	<1	<1	<20	<10	<0.2	<0.2	<2	<4	<1.0	<2.0	<2.5	<2.5	<0.50	<2.5	<10.0
1,1-Dichloroethene	<50	<50	<5	<1	<100	<1	<1	<20	<10	<0.4	<0.2	<2	<9	<2.0	<4.5	<2.0	<2.0	<0.40	<2.0	<10.0
1,1-Dichloropropene				<1		<1	<1	<10	<0.2	<0.3	<3	<4	<4	<2.0	<2.0	<2.5	<2.5	<0.50	<2.5	<10.0
1,2,3-Trichlorobenzene				<1	<100	<1	<1	<10	<0.5	<0.4	<4	<5	<3	<3.0	<2.5	<2.5	<2.5	<0.50	<2.5	<12.0
1,2,3-Trichloropropane				<1		<1	<1	<10	<0.3	<0.2	<2	<3	<3	<1.0	<1.5	<4.0	<4.0	<0.80	<4.0	<12.0
1,2,4-Trichlorobenzene				<1	<100	<1	<1	<10	<0.5	<0.3	<3	<3	<5	<3.0	<2.5	<2.5	<2.5	<0.50	<2.5	<14.0
1,2,4-Trimethylbenzene				620	2200	110	20	137.7	160	340	310	250	270	200	86	130	4.0	90	220	
1,2-Dibromo-3-chloropropane				<3	<300	<3	<3	<30	<0.3	<0.3	<3	<3	<3	<4.0	<1.5	<2.0	<2.0	<0.40	<2.0	<22.0
1,2-Dibromothane				<2	<200	<2	<2	<20	<0.2	<0.4	<4	<3	<3	<1.0	<1.5	<1.5	<1.5	<0.30	<1.5	<12.0
1,2-Dichlorobenzene				<1	<100	<1	<1	<20	<10	<0.3	<0.3	<3	<3	<2.0	<1.5	<3.5	<3.5	<0.70	<3.5	<10.0
1,2-Dichloropropane	<50	<50	<5	<1	<100	<1	<1	<20	<10	<0.2	<0.2	<2	<4	<2.0	<2.0	<4.5	<4.5	<0.90	<4.5	<10.0
cis-1,2-Dichloroethene				<1	<100	<1	<1	<20	<10	<0.2	<0.2	<2	<4	<2.0	<2.0	<2.5	<2.5	<0.50	<2.5	<12.0
trans-1,2-Dichloroethene	<50	<50	<5	<1	<100	<1	<1	<20	<10	<0.2	<0.3	<3	<8	<1.0	<4.0	<2.0	<2.0	<0.40	<2.0	<12.0
1,2-Dichloropropane	<50	<50	<5	<1	<100	<1	<1	<20	<10	<0.1	<0.2	<2	<3	<2.0	<1.5	<2.0	<2.0	<0.40	<2.0	<10.0
1,3,5-Trimethylbenzene				230	2400	130	400	85.0	140	190	180	140	140	100	47	75	2.4	55	140	
1,3-Dichlorobenzene				<1	<100	<1	<1	<20	<10	<0.7	<0.4	<4	<4	<1.0	<2.0	<2.5	<2.5	<0.50	<2.5	<10.0
cis-1,3-Dichloropropene	<50	<50	<5	<1	<100	<1	<1	<20	<10	<0.3	<0.3	<3	<2	<1.0	<1.0	<3.0	<3.0	<0.60	<3.0	<2.4
1,3-Dichloropropane				<1	<100	<1	<1	<10	<0.3	<0.6	<6	<4	<4	<1.0	<2.0	<6.0	<6.0	<1.2	<6.0	<12.0
trans-1,3-Dichloropropene	<50	<50	<5	<1	<100	<1	<1	<20	<10	<0.2	<0.2	<2	<5	<1.0	<2.5	<3.5	<3.5	<0.70	<3.5	<2.8
1,4-Dichlorobenzene				<1	<100	<1	<1	<20	<10	<0.3	<0.3	<3	<4	<1.0	<2.0	<2.5	<2.5	<0.50	<2.5	<10.0
2,2-Dichloropropane				<1	<100	<1	<1	<10	<0.2	<0.5	<5	<2	<2	<2.0	<1.0	<3.0	<3.0	<0.60	<3.0	<12.0
2-Butanone (MEK)	<100	<100	38.5																	<140.
2-Chloroethyl vinyl ether								<200												
2-Chlorotoluene				<1	<100	<1	<1	<10	<0.4	<0.3	<3	<4	<4	<1.0	<2.0	<3.0	<3.0	<0.60	<3.0	<10.0
2-Hexanone	<100	<100	<10																	<140.
4-Chlorotoluene				<1	<100	<1	<1	<10	<0.3	<0.3	<3	<3	<3	<2.0	<1.5	<3.0	<3.0	<0.60	<3.0	<8.0
4-Methyl-2-Pentanone (MIBK)	<100	<100	<10																	<140.
Acetone	191	123	170																	<180.
Benzene	<50	<50	<5	<1	<100	<1	<1	<20	<10	<0.2	<0.3	<3	<1	<1.0	<0.5	<2.0	<2.0	<0.40	<2.0	<8.0
Bromobenzene				<1	<100	<1	<1	<10	<0.3	<0.2	<2	<5	<5	<1.0	<2.5	<2.5	<2.5	<0.50	<2.5	<10.0
Bromochloromethane				<1		<1	<1	<10	<0.4	<0.2	<2	<4	<4	<1.0	<2.0	<2.5	<2.5	<0.50	<2.5	<10.0
Bromodichloromethane	<50	<50	<5	<1	<100	<1	<1	<20	<10	<0.2	<0.2	<2	<2	<1.0	<1.0	<2.0	<2.0	<0.40	<2.0	<2.6
Bromoform	<50	<50	<5	<1		<1	<1	<20	<10	<0.3	<0.2	<2	<1	<2.0	<0.5	<3.0	<3.0	<0.60	<3.0	<10.0
Bromomethane	<100	<100	<10	<2		<2	<2	<40	<20	<0.3	<0.9	<9	<4	<4.0	<2.0	<4.0	<4.0	<0.80	<4.0	<16.0
n-Butylbenzene				230	4800	120	280	128.9	110	170	180	190	190	18	120	76	150	14	64	18
sec-Butylbenzene				58	2900	12	13	21.7	<0.3	60	75	75	47	18	39	15	35	8	21	14
tert-Butylbenzene				<1	<100	<1	<1	<10	<0.3	40	<3	<3	<1	9.1	<0.5	<2.5	<2.5	5.6	<2.5	<10.0
Carbon disulfide	<50	<50	<5																	<22.
Carbon tetrachloride	<50	<50	<5	<1	<100	<1	<1	<20	<10	<0.2	<0.4	<4	<3	<1.0	<1.5	<3.0	<3.0	<0.60	<3.0	<10.0
Chlorobenzene	<50	<50	<5	<1	<100	<1	<1	<20	<10	<0.3	<0.3	<3	<3	<1.0	<1.5	<4.0	<4.0	<0.80	<4.0	<10.0
Chlorodibromomethane	<50	<50	<5	<1	<100	<1	<1	<20	<10	<0.3	<0.3	<3	<4	<2.0	<2.0	<2.0	<2.0	<0.40	<2.0	<12.0
Chloroethane	<100	<100	<10	<2	<200	<2	<2	<40	<20	<0.4	<0.8	<8	<5	<4.0	<2.5	<2.5	<2.5	<0.50	<2.5	<14.0
Chloroform	<50	<50	<5	<1	<100	<1	2.8	<20	<10	<0.2	<0.2	<2	<5	<1.0	<2.5	<3.0	<3.0	<0.60	<3.0	<10.0

Volatile Organic Compounds - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W41

Parameter	06/16/92	09/17/92	12/19/92	03/24/93	06/30/93	12/28/93	06/21/94	07/06/95	07/09/96	07/11/97	06/24/98	06/08/99	07/19/00	01/31/01	07/11/01	08/06/02	07/22/03	07/13/04	7/13/2004 Duplicate	07/19/05
Chloromethane	<100	<100	<10	<2	<200	<2	<2	<40	<20	<0.7	<0.9	<9	<3	<2.0	<1.5	<2.0	<2.0	<0.40	<2.0	<4.8
Dibromomethane				<1		<1	<1		<10	<0.1	<0.2	<2	<4	<2.0	<2.0	<2.5	<2.5	<0.50	<2.5	<14.0
Dichlorodifluoromethane				<2	<200	<2	<2		<20	<0.3	<1.2	<12	<5	<1.0	<2.5	<2.5	<2.5	<0.50	<2.5	<12.0
Diisopropyl Ether					<100							<3	<1	<1.0	<0.5	<2.5	<2.5	<0.50	<2.5	<10.0
Ethylbenzene	<50	<50	<5	6.3	600	<1	<1	<20	<10	<0.2	<0.2	<2	<1	1.4	<0.5	<2.5	<2.5	<0.50	<2.5	<10.0
Hexachlorobutadiene				<1	<100	<1	<1		<10	<0.5	<0.6	<6	<6	<2.0	<3.0	<2.5	<2.5	<0.50	<2.5	<12.0
Isopropylbenzene				57	2000	7.1	14		21.9	<0.2	68	60	22	8.9	35	10	<2.5	0.92 J	18	<8.0
p-Isopropyltoluene				<1	1200	13	<1		56.0	<0.4	40	160	40	16	39	16	42	<0.50	<2.5	19
Methyl tert-butyl ether					<100							<2	<11	<3.0	<5.5	<2.5	<2.5	<0.50	<2.5	<12.0
Methylene chloride	<50	53.7	<10	<3	<300	<3	<3	<60	<30	<0.3	<0.5	<5	<19	<4.0	<9.5	<5.0	<5.0	3.0 J,A,B,Q	25 A,B,Q	<8.0
Naphthalene	<103	48.1	52.3	95	630	44	27	52	17.2	<0.8	34	32	19	26	15	4.6	10	0.84 J	5.5 J	<12.0
n-Propylbenzene				36	2400	6.6	<1		25.6	110	54	57	32	14	35	12	23	0.78 J	16	12
Styrene	<50	<50	<5	5.9		<1	<1		<10	<0.2	<0.2	<2	<2	<1.0	<1.0	18	65	2.1	36	<10.0
Tetrachloroethene	<50	<50	<5	1.3	<100	3.8	6.5	<20	<10	<0.3	<0.6	<6	<4	1.6	10	4.1	9.0	<0.50	5.7 J	<8.0
Tetrahydrofuran																		0.60		<140
Toluene	<50	<50	<5	7.5	<100	3.6	<1	<20	<10	<0.2	<0.2	<2	4	<2.0	<0.5	<2.5	<2.5	<0.50	<2.5	<8.0
Trichloroethene	<50	<50	<5	3.8	<100	4	4.4	<20	<10	<0.2	<0.3	<3	<3	<2.0	<1.5	<3.0	<3.0	<0.15	<3.0	<3.0
Trichlorofluoromethane				<1	<100	<1	<1	<20	<10	<0.5	<0.6	<6	<4	<2.0	<2.0	<2.0	<2.0	<0.40	<2.0	<10.0
Vinyl acetate	<100	<100	<10																	<160
Vinyl chloride	<100	<100	<10	<1	<100	<1	<1	<20	<10	<0.3	<0.5	<5	<4	<1.0	<2.0	<1.5	<1.5	<0.30	<1.5	<2.4
Xylene, m & p-				60	500	5	5.8	77	<20	<0.4	48	22	11	7.6	13	4.7	14	<0.60	7.1 J	<20.0
Xylene, o-				190	2700	18	160	140	<10	<0.2	<0.5	140	69	21	<0.5	<2.5	<2.5	<0.50	<2.5	15
Xylenes, Total	66.2	135	67.3																	15

Volatile Organic Compounds - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W41

Parameter	07/19/06	07/10/07	07/24/08	07/07/09	07/14/10	07/20/11	07/10/12	07/05/13	07/09/14	07/08/15	07/12/16	07/18/17	07/18/18	07/15/19	07/08/20	07/13/21	07/11/22	07/11/23
1,1,1,2-Tetrachloroethane	<3.5 *	<3.0	<3.0	<0.60	<0.24	<0.40												
1,1,1-Trichloroethane	<2.5 *	<3.0	<3.0	<0.60	<0.21	<0.29												
1,1,2,2-Tetrachloroethane	<0.65 *	<0.70	<0.70	<0.14	<0.19	<0.30												
1,1,2-Trichloroethane	<2.5 *	<2.5	<2.5	<0.50	<0.26	<0.30												
1,1-Dichloroethane	<2.0 *	<2.0	<2.0	<0.40	<0.20	<0.28												
1,1-Dichloroethene	<1.5 *	<2.0	<2.0	<0.40	<0.24	<0.29												
1,1-Dichloropropene	<3.0 *	<2.5	<2.5	<0.50	<0.24	<0.40												
1,2,3-Trichlorobenzene	<2.5 *	<2.5	<2.5	<0.50	<0.30	<0.40												
1,2,3-Trichloropropane	<3.5 *	<1.5	<1.5	<0.30	<0.21	<0.40												
1,2,4-Trichlorobenzene	<3.5 *	<2.0	<2.0	<0.40	<0.30	<0.30												
1,2,4-Trimethylbenzene	200 *	1	29	120	49	150		54	170	230	300	160	220	310	290	150	140	170
1,2-Dibromo-3-chloropropane	<1.5 *	<2.0	<2.0	<0.40	<0.40	<0.50												
1,2-Dibromoethane	<2.5 *	<0.65	<0.65	<0.13	<0.16	<0.30												
1,2-Dichlorobenzene	<2.5 *	<2.0	<2.0	<0.40	<0.23	<0.40												
1,2-Dichloroethane	<2.5 *	<1.5	<1.5	<0.30	<0.30	<0.30												
cis-1,2-Dichloroethene	<2.0 *	<2.0	<2.0	<0.40	<0.25	<0.30												
trans-1,2-Dichloroethene	<2.0 *	<2.5	<2.5	<0.50	<0.25	<0.30												
1,2-Dichloropropane	<2.5 *	<1.1	<1.1	<0.21	<0.22	<0.29												
1,3,5-Trimethylbenzene	110 *	150	27	120	47	60												
1,3-Dichlorobenzene	<2.0 *	<2.0	<0.95	<0.40	<0.26	<0.30												
cis-1,3-Dichloropropene	<0.75 *	<0.70	<0.70	<0.14	<0.19	<0.28												
1,3-Dichloropropane	<2.5 *	<0.95	<0.95	<0.19	<0.23	<0.30												
trans-1,3-Dichloropropene	<0.70 *	<0.70	<0.70	<0.14	<0.19	<0.30												
1,4-Dichlorobenzene	<3.0 *	<2.5	<2.5	<0.50	<0.23	<0.30												
2,2-Dichloropropane	<3.0 *	<1.5	<1.5	<0.30	<0.25	<0.28												
2-Butanone (MEK)	46 *	27	<20	9.7	2.4	3.8												
2-Chloroethyl vinyl ether																		
2-Chlorotoluene	<2.5 *	<1.5	<1.5	<0.30	<0.22	<0.30												
2-Hexanone	<40 *	<20	<20	<4.0	<4.0	<4.0												
4-Chlorotoluene	<3.0 *	<1.5	<1.5	<0.30	<0.21	<0.29												
4-Methyl-2-Pentanone (MIBK)	<30 *	<15	<15	<3.0	<3.0	<3.0												
Acetone	55 *	43	<35	<7.0	<5.0	<5.0												
Benzene	<2.0 *	<0.80	<0.80	<0.16	<0.19	<0.30												
Bromobenzene	<3.0 *	<1.5	<1.5	<0.30	<0.20	<0.30												
Bromochloromethane	<3.5 *	<1.1	<1.1	<0.21	<0.22	<0.40												
Bromodichloromethane	<0.75 *	<0.95	<0.95	<0.19	<0.20	<0.30												
Bromoform	<1.1 *	<2.5	<2.5	<0.50	<0.22	<0.24												
Bromomethane	<4.5 *	<2.0	<2.0	<0.40	<0.50	<0.30												
n-Butylbenzene	21 *	26	10	28	11	6.1												
sec-Butylbenzene	20 *	20	7.4	18	9.2	4.7												
tert-Butylbenzene	10 *	9.7	2.4	9.4	3.5	4.5												
Carbon disulfide	<5.0 *	<2.5	<2.5	<0.50	<0.50	<0.60												
Carbon tetrachloride	<2.5 *	<2.0	<2.0	<0.40	<0.23	<0.40												
Chlorobenzene	<2.0 *	<1.5	<1.5	<0.30	<0.24	<0.30												
Chlorodibromomethane	<3.0 *	<1.2	<1.2	<0.23	<0.19	<0.26												
Chloroethane	4.9 *	3.4	<2.0	<0.40	<0.40	<0.30												
Chloroform	<2.5 *	<1.1	<1.1	<0.22	<0.15	11												

Volatile Organic Compounds - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W41

Parameter	07/19/06	07/10/07	07/24/08	07/07/09	07/14/10	07/20/11	07/10/12	07/05/13	07/09/14	07/08/15	07/12/16	07/18/17	07/18/18	07/15/19	07/08/20	07/13/21	07/11/22	07/11/23
Chloromethane	2.3 *	2.8	<1.5	0.68AB	<0.40	<0.40												
Dibromomethane	<4.0 *	<2.0	<2.0	<0.40	<0.24	<0.30												
Dichlorodifluoromethane	<1.5 *	<2.0	<2.0	<0.40	<0.26	<0.30												
Diisopropyl Ether	<2.0 *	<2.5	<2.5	<0.50	<0.20	<0.30												
Ethylbenzene	<2.5 *	<1.4	<1.4	0.47	0.41	0.91												
Hexachlorobutadiene	<4.5 *	<3.0	<3.0	<0.60	<0.30	<0.40												
Isopropylbenzene	7.4 *	7.1	<1	3.8	0.27	7.7												
p-Isopropyltoluene	24 *	23	8.8	22	8.7	3.3												
Methyl tert-butyl ether	<2.0 *	<1.2	<1.2	<0.23	<0.29	<0.30												
Methylene chloride	19 Q*	12	<2.5	<0.50	<0.40	0.54 B												
Naphthalene	9.4 *	11	<3.0	5.2	<0.40	22	<1.6 V	25	50	52	42	26	40	38	26	21 Y	11	14
n-Propylbenzene	14 *	15	3	8.5	3.7	11												
Styrene	<2.5 *	<1.5	<1.5	<0.30	<0.20	<0.30												
Tetrachloroethene	2.1 *	<2.0	3	2.4	1.8	2.3												
Tetrahydrofuran	<35 *	<20	<20	<4.0	<3.0	<4.0												
Toluene	<2.0 *	<1.0	<1.0	<0.20	<0.22	<0.30												
Trichloroethene	<0.75 *	<0.75	<0.75	0.36	<0.21	<0.40												
Trichlorofluoromethane	<3.5 *	<2.0	<2.0	<0.40	<0.20	<0.40												
Vinyl acetate	<8.5 *	<5.5	<5.5	<1.1	<3.0	<4.0												
Vinyl chloride	<0.75 *	<0.75	<0.75	<0.15	<0.18	<0.19												
Xylene, m & p-	<4.5 *	4.1	<2.5	2.3	2.1	3.6		5.1	6.8	8.1	16	<8.0	6	<8	2.5	<8	<20	<20
Xylene, o-	18 *	19	12	17	14	31		57	96	89	110	56	50	45	31	<4.0	18	21
Xylenes, Total	18 *	23.1	12	19.3	16.1	34.6		62.1	102.8	97.1	126	56	56	45	33.5	<12	18	21

Prepared By: T. Dushek, 8/11/23

Checked by: A. Voit, 10/11/23

**NOTES:**

All Units are in ug/L

Bold values indicate detections

A = Analyte averaged calibration criteria within acceptable limits

B = Analyte detected in associated Method Blank

M = Matrix spike or matrix spike duplicate outside acceptance limits.

J = Estimated Value

Q = Lab Control Sample outside acceptance limits

\* = Suspected methylene chloride laboratory contamination.



Volatile Organic Compounds - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W69

Parameter	07/14/04	7/14/2004 Duplicate	07/23/08	07/25/11	07/10/12	07/08/13
1,1,1,2-Tetrachloroethane	<18	<18	<6	<0.80		
1,1,1-Trichloroethane	<10	<10	<6	<0.58		
1,1,2,2-Tetrachloroethane	<16	<16	<1.4	<0.60		
1,1,2-Trichloroethane	<18	<18	<5	<0.60		
1,1-Dichloroethane	<10	<10	<4	<0.56		
1,1-Dichloroethene	<8.0	<8.0	<4	<0.58		
1,1-Dichloropropene	<10	<10	<5	<0.80		
1,2,3-Trichlorobenzene	<10	<10	<5	<0.80		
1,2,3-Trichloropropane	<16	<16	<3	<0.80		
1,2,4-Trichlorobenzene	<10	<10	<4	<0.60		
1,2,4-Trimethylbenzene	<b>740</b>	<b>1700</b>	<b>620</b>	<b>140</b>		<b>210</b>
1,2-Dibromo-3-chloropropane	<8.0	<8.0	<4	<1.0		
1,2-Dibromoethane	<6.0	<6.0	<1.3	<0.60		
1,2-Dichlorobenzene	<14	<14	<4	<0.80		
1,2-Dichloroethane	<18	<18	<3	<0.60		
cis-1,2-Dichloroethene	<10	<10	<4	<0.60		
trans-1,2-Dichloroethene	<8.0	<8.0	<5	<0.60		
1,2-Dichloropropane	<8.0	<8.0	<2.1	<0.58		
1,3,5-Trimethylbenzene	<b>320</b>	<b>820</b>	<b>170</b>	<b>72</b>		
1,3-Dichlorobenzene	<10	<10	<4	<0.60		
cis-1,3-Dichloropropene	<12	<12	<1.4	<0.56		
1,3-Dichloropropane	<24	<24	<1.9	<0.60		
trans-1,3-Dichloropropene	<14	<14	<1.4	<0.60		
1,4-Dichlorobenzene	<10	<10	<5	<0.60		
2,2-Dichloropropane	<12	<12	<3	<0.56		
2-Butanone (MEK)			<40	<6.0		
2-Chloroethyl vinyl ether						
2-Chlorotoluene	<12	<12	<3	<0.60		
2-Hexanone			<40	<8.0		
4-Chlorotoluene	<12	<12	<3	<0.58		
4-Methyl-2-Pentanone (MIBK)			<30	<6.0		
Acetone			<70	<10		
Benzene	<8.0	<8.0	<1.6	<0.60		
Bromobenzene	<10	<10	<3	<0.60		
Bromochloromethane	<10	<10	<2.1	<0.80		
Bromodichloromethane	<8.0	<8.0	<1.9	<0.60		
Bromoform	<12	<12	<5	<0.48		
Bromomethane	<16	<16	<4	<0.60		
n-Butylbenzene	<b>270</b>	<b>760</b>	<b>14</b>	<b>21</b>		
sec-Butylbenzene	<b>45</b>	<b>130</b>	<b>13</b>	<b>16</b>		
tert-Butylbenzene	<10	<10	<b>4.1</b>	<b>3.7</b>		

Volatile Organic Compounds - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W69

Parameter	07/14/04	7/14/2004 Duplicate	07/23/08	07/25/11	07/10/12	07/08/13
Carbon disulfide			<5	<1.2		
Carbon tetrachloride	<12	<12	<4	<0.80		
Chlorobenzene	<16	<16	<3	<0.60		
Chlorodibromomethane	<8.0	<8.0	<2.3	<0.52		
Chloroethane	<10	<10	<4	<0.60		
Chloroform	<12	<12	<2.2	<0.46		
Chloromethane	<8	<8	<3	<0.80		
Dibromomethane	<10	<10	<4	<0.60		
Dichlorodifluoromethane	<10	<10	<4	<0.60		
Diisopropyl Ether	<10	<10	<5	<0.60		
Ethylbenzene	<10	<b>16</b>	<b>24</b>	<b>3.5</b>		
Hexachlorobutadiene	<10	<10	<6	<0.80		
Isopropylbenzene	<b>46</b>	<b>110</b>	<b>40</b>	<b>9.5</b>		
p-Isopropyltoluene	<b>56</b>	<b>180</b>	<b>15</b>	<b>16</b>		
Methyl tert-butyl ether	<10	<10	<2.3	<0.60		
Methylene chloride	<b>76</b>	<b>78</b>	<5	<0.80		
Naphthalene	<b>32</b>	<b>46</b>	<b>33</b>	<b>7</b>	<b>2.8</b>	<b>23</b>
n-Propylbenzene	<b>78</b>	<b>190</b>	<b>67</b>	<b>18</b>		
Styrene	<10	<10	<3	<0.60		
Tetrachloroethene	<b>15</b>	<b>49</b>	<4	<b>2.4</b>		
Tetrahydrofuran			<40	<8.0		
Toluene	<10	<10	<b>4.5</b>	<b>0.75</b>		
Trichloroethene	<12	<12	<b>8.5</b>	<b>3.2</b>		
Trichlorofluoromethane	<8.0	<8.0	<4	<0.80		
Vinyl acetate			<11	<8.0		
Vinyl chloride	<6.0	<6.0	<1.5	<0.38		
Xylene, m & p-	<b>54</b>	<b>96</b>	<b>76</b>	<b>9.6</b>		<b>10</b>
Xylene, o-	<b>230</b>	<b>470</b>	<b>220</b>	<b>56</b>		<b>52</b>
Xylenes, Total	<b>284</b>	<b>566</b>	<b>296</b>	<b>65.6</b>		<b>62</b>

Prepared By: T. Dushek, 8/7/13

Checked by: A.Voit, 9/21/13

**NOTES:**

All Units are in ug/L

Bold values indicate detections

**A** = Analyte averaged calibration criteria within acceptable limits

**B** = Analyte detected in associated Method Blank

**M** = Matrix spike or matrix spike duplicate outside acceptance limits.

**J** = Estimated Value

**Q** = Lab Control Sample outside acceptance limits

\* = Suspected methylene chloride laboratory contamination.

WDNR letter dated March 18, 2014 concurred with a TRC letter dated October 13, 2013 that this well could be eliminated from the monitoring network.

Volatile Organic Compounds - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W71

Parameter	07/01/16	07/10/17	07/10/18	07/15/19	07/06/20	07/06/21	07/05/22	07/05/23
1,1,1,2-Tetrachloroethane								
1,1,1-Trichloroethane								
1,1,2,2-Tetrachloroethane								
1,1,2-Trichloroethane								
1,1-Dichloroethane								
1,1-Dichloroethene								
1,1-Dichloropropene								
1,2,3-Trichlorobenzene								
1,2,3-Trichloropropane								
1,2,4-Trichlorobenzene								
1,2,4-Trimethylbenzene	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.91	<0.91
1,2-Dibromo-3-chloropropane								
1,2-Dibromoethane								
1,2-Dichlorobenzene								
1,2-Dichloroethane								
cis-1,2-Dichloroethene								
trans-1,2-Dichloroethene								
1,2-Dichloropropane								
1,3,5-Trimethylbenzene								
1,3-Dichlorobenzene								
cis-1,3-Dichloropropene								
1,3-Dichloropropane								
trans-1,3-Dichloropropene								
1,4-Dichlorobenzene								
2,2-Dichloropropane								
2-Butanone (MEK)								
2-Chlorethyl vinyl ether								
2-Chlorotoluene								
2-Hexanone								
4-Chlorotoluene								
4-Methyl-2-Pentanone (MIBK)								
Acetone								
Benzene								
Bromobenzene								
Bromochloromethane								
Bromodichloromethane								
Bromoform								
Bromomethane								
n-Butylbenzene								
sec-Butylbenzene								
tert-Butylbenzene								
Carbon disulfide								
Carbon tetrachloride								
Chlorobenzene								
Chlorodibromomethane								
Chloroethane								
Chloroform								
Chloromethane								
Dibromomethane								
Dichlorodifluoromethane								
Diisopropyl Ether								
Ethylbenzene								
Hexachlorobutadiene								
Isopropylbenzene								
p-Isopropyltoluene								

Volatile Organic Compounds - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W71

Parameter	07/01/16	07/10/17	07/10/18	07/15/19	07/06/20	07/06/21	07/05/22	07/05/23
Methyl tert-butyl ether								
Methylene chloride								
Naphthalene	<0.90	<0.90	<0.90	<0.90	<0.90	<0.90	<1.1	<1.1
n-Propylbenzene								
Styrene								
Tetrachloroethene								
Tetrahydrofuran								
Toluene								
Trichloroethene								
Trichlorofluoromethane								
Vinyl acetate								
Vinyl chloride								
Xylene, m & p-	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<2.0	<2.0
Xylene, o-	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<1.1	<1.1
Xylenes, Total	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<3.1	<3.1

Prepared By: T. Dushek, 8/7/23

Checked by: A. Voit, 10/11/23

**NOTES:**

All Units are in ug/L

Bold values indicate detections

**A** = Analyte averaged calibration criteria within acceptable limits

**B** = Analyte detected in associated Method Blank

**M** = Matrix spike or matrix spike duplicate outside acceptance limits.

**J** = Estimated Value

**Q** = Lab Control Sample outside acceptance limits

\* = Suspected methylene chloride laboratory contamination.

Volatile Organic Compounds - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W72

Parameter	07/01/16	07/10/17	07/10/18	07/11/19	07/06/20	07/06/21	07/05/22	07/05/23
1,1,1,2-Tetrachloroethane								
1,1,1-Trichloroethane								
1,1,2,2-Tetrachloroethane								
1,1,2-Trichloroethane								
1,1-Dichloroethane								
1,1-Dichloroethene								
1,1-Dichloropropene								
1,2,3-Trichlorobenzene								
1,2,3-Trichloropropane								
1,2,4-Trichlorobenzene								
1,2,4-Trimethylbenzene	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.91	<0.91
1,2-Dibromo-3-chloropropane								
1,2-Dibromoethane								
1,2-Dichlorobenzene								
1,2-Dichloroethane								
cis-1,2-Dichloroethene								
trans-1,2-Dichloroethene								
1,2-Dichloropropane								
1,3,5-Trimethylbenzene								
1,3-Dichlorobenzene								
cis-1,3-Dichloropropene								
1,3-Dichloropropane								
trans-1,3-Dichloropropene								
1,4-Dichlorobenzene								
2,2-Dichloropropane								
2-Butanone (MEK)								
2-Chlorethyl vinyl ether								
2-Chlorotoluene								
2-Hexanone								
4-Chlorotoluene								
4-Methyl-2-Pentanone (MIBK)								
Acetone								
Benzene								
Bromobenzene								
Bromochloromethane								
Bromodichloromethane								
Bromoform								
Bromomethane								
n-Butylbenzene								
sec-Butylbenzene								
tert-Butylbenzene								
Carbon disulfide								
Carbon tetrachloride								
Chlorobenzene								
Chlorodibromomethane								
Chloroethane								
Chloroform								
Chloromethane								
Dibromomethane								
Dichlorodifluoromethane								
Diisopropyl Ether								
Ethylbenzene								
Hexachlorobutadiene								
Isopropylbenzene								
p-Isopropyltoluene								

Volatile Organic Compounds - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W72

Parameter	07/01/16	07/10/17	07/10/18	07/11/19	07/06/20	07/06/21	07/05/22	07/05/23
Methyl tert-butyl ether								
Methylene chloride								
Naphthalene	<0.90	<0.90	<0.90	<0.90	<0.90	<0.90	<1.1	<1.1
n-Propylbenzene								
Styrene								
Tetrachloroethene								
Tetrahydrofuran								
Toluene								
Trichloroethene								
Trichlorofluoromethane								
Vinyl acetate								
Vinyl chloride								
Xylene, m & p-	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<2.0	<2.0
Xylene, o-	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<1.1	<1.1
Xylenes, Total	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<3.1	<3.1

Prepared By: T. Dushek, 8/7/23

Checked by: A. Voit, 10/11/23

**NOTES:**

All Units are in ug/L

Bold values indicate detections

**A** = Analyte averaged calibration criteria within acceptable limits

**B** = Analyte detected in associated Method Blank

**M** = Matrix spike or matrix spike duplicate outside acceptance limits.

**J** = Estimated Value

**Q** = Lab Control Sample outside acceptance limits

\* = Suspected methylene chloride laboratory contamination.

Volatile Organic Compounds - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W73

Parameter	07/01/16	07/10/17	07/10/18	07/11/19	07/07/20	07/08/21	07/05/22	07/05/23
1,1,1,2-Tetrachloroethane								
1,1,1-Trichloroethane								
1,1,2,2-Tetrachloroethane								
1,1,2-Trichloroethane								
1,1-Dichloroethane								
1,1-Dichloroethene								
1,1-Dichloropropene								
1,2,3-Trichlorobenzene								
1,2,3-Trichloropropane								
1,2,4-Trichlorobenzene								
1,2,4-Trimethylbenzene	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.91	<0.91
1,2-Dibromo-3-chloropropane								
1,2-Dibromoethane								
1,2-Dichlorobenzene								
1,2-Dichloroethane								
cis-1,2-Dichloroethene								
trans-1,2-Dichloroethene								
1,2-Dichloropropane								
1,3,5-Trimethylbenzene								
1,3-Dichlorobenzene								
cis-1,3-Dichloropropene								
1,3-Dichloropropane								
trans-1,3-Dichloropropene								
1,4-Dichlorobenzene								
2,2-Dichloropropane								
2-Butanone (MEK)								
2-Chlorethyl vinyl ether								
2-Chlorotoluene								
2-Hexanone								
4-Chlorotoluene								
4-Methyl-2-Pentanone (MIBK)								
Acetone								
Benzene								
Bromobenzene								
Bromochloromethane								
Bromodichloromethane								
Bromoform								
Bromomethane								
n-Butylbenzene								
sec-Butylbenzene								
tert-Butylbenzene								
Carbon disulfide								
Carbon tetrachloride								
Chlorobenzene								
Chlorodibromomethane								
Chloroethane								
Chloroform								
Chloromethane								
Dibromomethane								
Dichlorodifluoromethane								
Diisopropyl Ether								
Ethylbenzene								
Hexachlorobutadiene								
Isopropylbenzene								
p-Isopropyltoluene								

Volatile Organic Compounds - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W73

Parameter	07/01/16	07/10/17	07/10/18	07/11/19	07/07/20	07/08/21	07/05/22	07/05/23
Methyl tert-butyl ether								
Methylene chloride								
Naphthalene	<0.90	<0.90	<0.90	<0.90	<0.90	<0.90	<1.1	<1.1
n-Propylbenzene								
Styrene								
Tetrachloroethene								
Tetrahydrofuran								
Toluene								
Trichloroethene								
Trichlorofluoromethane								
Vinyl acetate								
Vinyl chloride								
Xylene, m & p-	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<2.0	<2.0
Xylene, o-	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<1.1	<1.1
Xylenes, Total	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<3.1	<3.1

Prepared By: T. Dushek, 8/7/23

Checked by: A. Voit, 10/11/23

**NOTES:**

All Units are in ug/L

Bold values indicate detections

**A** = Analyte averaged calibration criteria within acceptable limits

**B** = Analyte detected in associated Method Blank

**M** = Matrix spike or matrix spike duplicate outside acceptance limits.

**J** = Estimated Value

**Q** = Lab Control Sample outside acceptance limits

\* = Suspected methylene chloride laboratory contamination.



Volatile Organic Compounds - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W74

Parameter	07/01/16	07/10/17	07/10/18	07/11/19	07/07/20	07/06/21	07/05/22	07/05/23
1,1,1,2-Tetrachloroethane								
1,1,1-Trichloroethane								
1,1,2,2-Tetrachloroethane								
1,1,2-Trichloroethane								
1,1-Dichloroethane								
1,1-Dichloroethene								
1,1-Dichloropropene								
1,2,3-Trichlorobenzene								
1,2,3-Trichloropropane								
1,2,4-Trichlorobenzene								
1,2,4-Trimethylbenzene	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.91	<0.91
1,2-Dibromo-3-chloropropane								
1,2-Dibromoethane								
1,2-Dichlorobenzene								
1,2-Dichloroethane								
cis-1,2-Dichloroethene								
trans-1,2-Dichloroethene								
1,2-Dichloropropane								
1,3,5-Trimethylbenzene								
1,3-Dichlorobenzene								
cis-1,3-Dichloropropene								
1,3-Dichloropropane								
trans-1,3-Dichloropropene								
1,4-Dichlorobenzene								
2,2-Dichloropropane								
2-Butanone (MEK)								
2-Chloroethyl vinyl ether								
2-Chlorotoluene								
2-Hexanone								
4-Chlorotoluene								
4-Methyl-2-Pentanone (MIBK)								
Acetone								
Benzene								
Bromobenzene								
Bromochloromethane								
Bromodichloromethane								
Bromoform								
Bromomethane								
n-Butylbenzene								
sec-Butylbenzene								
tert-Butylbenzene								
Carbon disulfide								
Carbon tetrachloride								
Chlorobenzene								
Chlorodibromomethane								
Chloroethane								
Chloroform								
Chloromethane								
Dibromomethane								
Dichlorodifluoromethane								
Diisopropyl Ether								
Ethylbenzene								
Hexachlorobutadiene								
Isopropylbenzene								
p-Isopropyltoluene								

Volatile Organic Compounds - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - W74

Parameter	07/01/16	07/10/17	07/10/18	07/11/19	07/07/20	07/06/21	07/05/22	07/05/23
Methyl tert-butyl ether								
Methylene chloride								
Naphthalene	<0.90	<0.90	<0.90	<0.90	<0.90	<0.90	<1.1	<1.1
n-Propylbenzene								
Styrene								
Tetrachloroethene								
Tetrahydrofuran								
Toluene								
Trichloroethene								
Trichlorofluoromethane								
Vinyl acetate								
Vinyl chloride								
Xylene, m & p-	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<2.0	<2.0
Xylene, o-	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<1.1	<1.1
Xylenes, Total	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<3.1	<3.1

Prepared By: T. Dushek, 8/7/23

Checked by: A. Voit, 10/11/23

**NOTES:**

All Units are in ug/L

Bold values indicate detections

**A** = Analyte averaged calibration criteria within acceptable limits

**B** = Analyte detected in associated Method Blank

**M** = Matrix spike or matrix spike duplicate outside acceptance limits.

**J** = Estimated Value

**Q** = Lab Control Sample outside acceptance limits

\* = Suspected methylene chloride laboratory contamination.

Volatile Organic Compounds - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - DFOMW5

Parameter	07/11/16	07/20/17	07/16/18	07/16/19	07/13/20	07/12/21	07/13/22	07/10/23
1,1,1,2-Tetrachloroethane								
1,1,1-Trichloroethane								
1,1,2,2-Tetrachloroethane								
1,1,2-Trichloroethane								
1,1-Dichloroethane								
1,1-Dichloroethene								
1,1-Dichloropropene								
1,2,3-Trichlorobenzene								
1,2,3-Trichloropropane								
1,2,4-Trichlorobenzene								
1,2,4-Trimethylbenzene	0.50	<0.40	<0.40	<0.40	<0.40	2.60	<0.91	<0.91
1,2-Dibromo-3-chloropropane								
1,2-Dibromoethane								
1,2-Dichlorobenzene								
1,2-Dichloroethane								
cis-1,2-Dichloroethene								
trans-1,2-Dichloroethene								
1,2-Dichloropropane								
1,3,5-Trimethylbenzene								
1,3-Dichlorobenzene								
cis-1,3-Dichloropropene								
1,3-Dichloropropane								
trans-1,3-Dichloropropene								
1,4-Dichlorobenzene								
2,2-Dichloropropane								
2-Butanone (MEK)								
2-Chlorethyl vinyl ether								
2-Chlorotoluene								
2-Hexanone								
4-Chlorotoluene								
4-Methyl-2-Pentanone (MIBK)								
Acetone								
Benzene								
Bromobenzene								
Bromochloromethane								
Bromodichloromethane								
Bromoform								
Bromomethane								
n-Butylbenzene								
sec-Butylbenzene								
tert-Butylbenzene								
Carbon disulfide								
Carbon tetrachloride								
Chlorobenzene								
Chlorodibromomethane								
Chloroethane								
Chloroform								
Chloromethane								
Dibromomethane								
Dichlorodifluoromethane								
Diisopropyl Ether								
Ethylbenzene								
Hexachlorobutadiene								
Isopropylbenzene								
p-Isopropyltoluene								

Volatile Organic Compounds - Historical Data  
 WAULECO, INC - Wausau Facility  
 Well - DFOMW5

Parameter	07/11/16	07/20/17	07/16/18	07/16/19	07/13/20	07/12/21	07/13/22	07/10/23
Methyl tert-butyl ether								
Methylene chloride								
Naphthalene	<b>3.3</b>	<b>3</b>	<b>5.8</b>	<b>0.97</b>	<b>1.3</b>	<b>12</b>	<b>9</b>	<b>2.1</b>
n-Propylbenzene								
Styrene								
Tetrachloroethene								
Tetrahydrofuran								
Toluene								
Trichloroethene								
Trichlorofluoromethane								
Vinyl acetate								
Vinyl chloride								
Xylene, m & p-	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<2.0	<2.0
Xylene, o-	<b>0.53</b>	<0.40	<0.40	<0.40	<0.40	<0.40	<1.1	<1.1
Xylenes, Total	<b>0.53</b>	<1.20	<1.20	<1.20	<1.20	<1.20	<3.1	<3.1

Prepared By: T. Dushek, 8/7/23

Checked by: A. Voit, 10/11/23

**NOTES:**

All Units are in ug/L

Bold values indicate detections

**A** = Analyte averaged calibration criteria within acceptable limits

**B** = Analyte detected in associated Method Blank

**M** = Matrix spike or matrix spike duplicate outside acceptance limits.

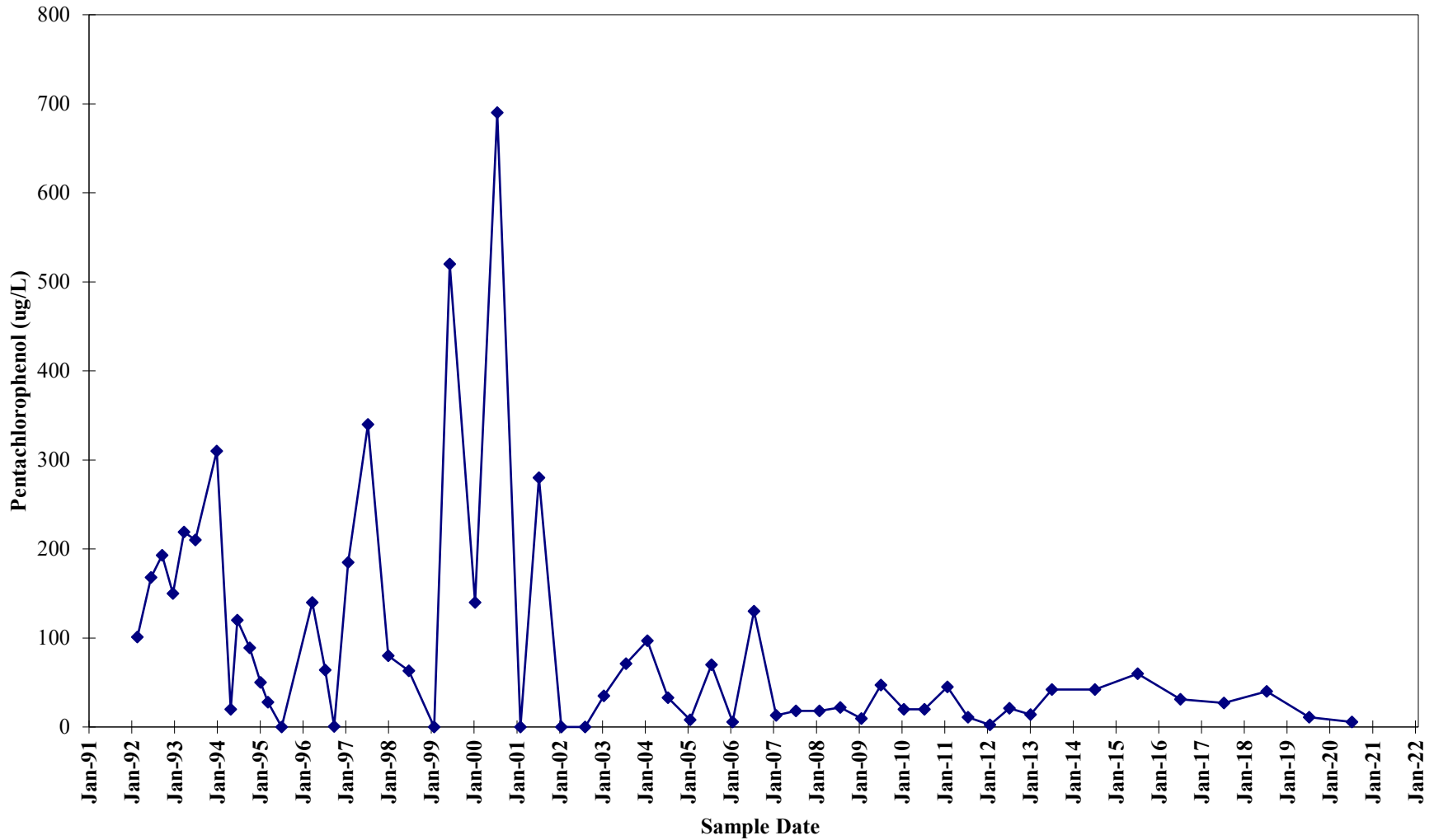
**J** = Estimated Value

**Q** = Lab Control Sample outside acceptance limits

\* = Suspected methylene chloride laboratory contamination.

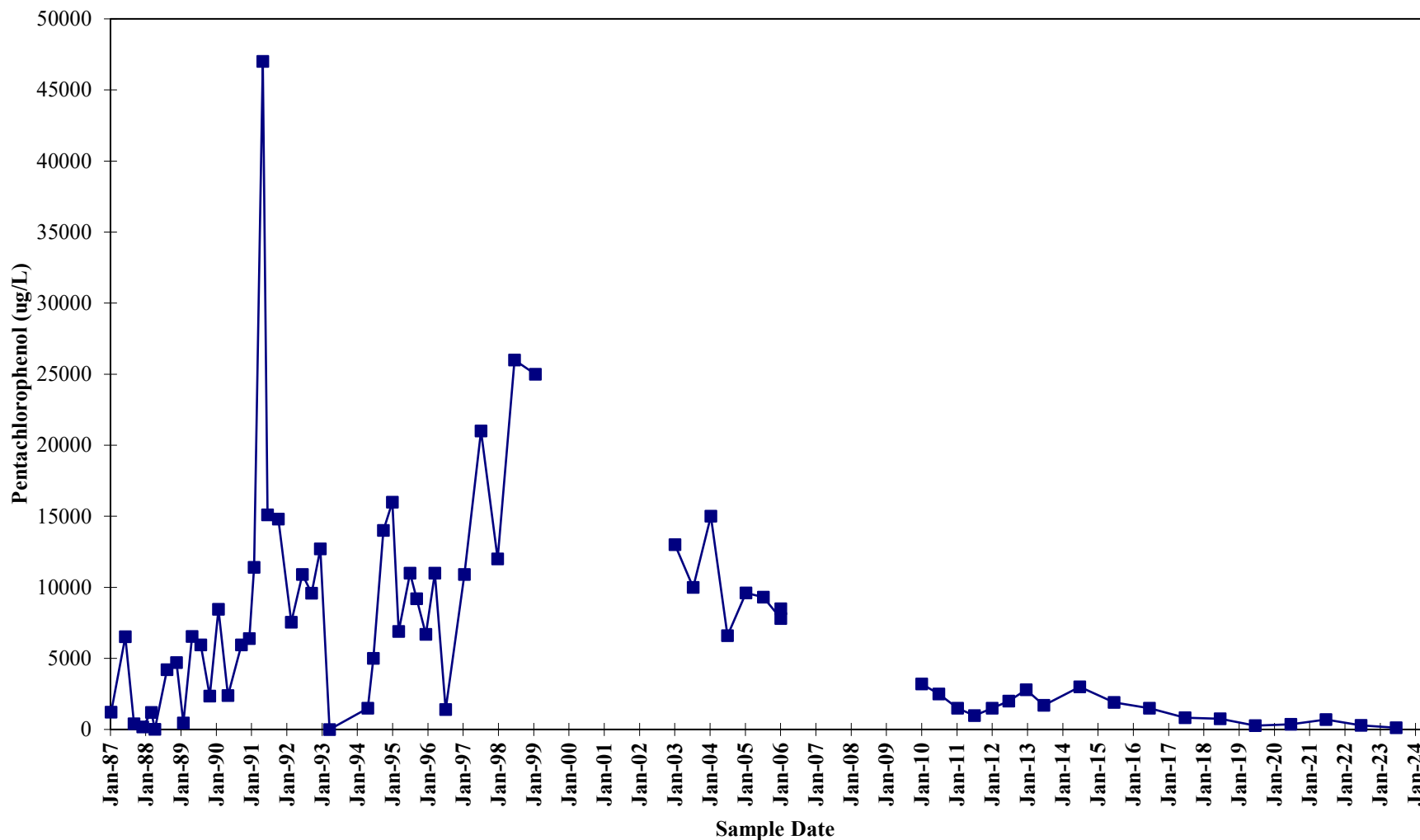
**APPENDIX C**  
**HISTORICAL PCP ANALYSIS RESULTS**

### Pentachlorophenol Concentrations Historical Groundwater Monitoring Well W01A



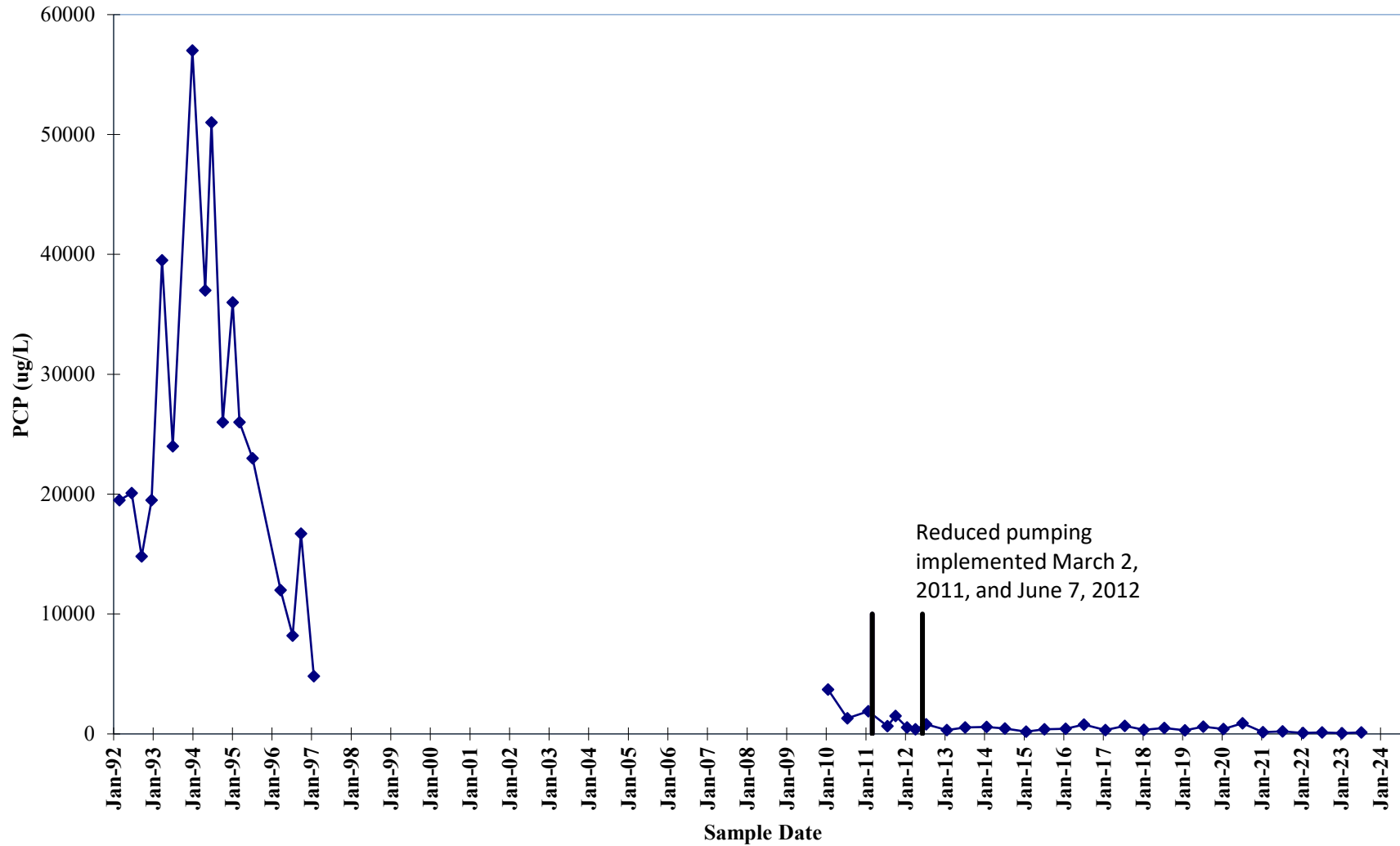
Wauleco abandoned this well in 2020 due to property ownership change.

### Pentachlorophenol Concentrations Historical Groundwater Monitoring Well W02



PCP data gap due to measurable product present in well.

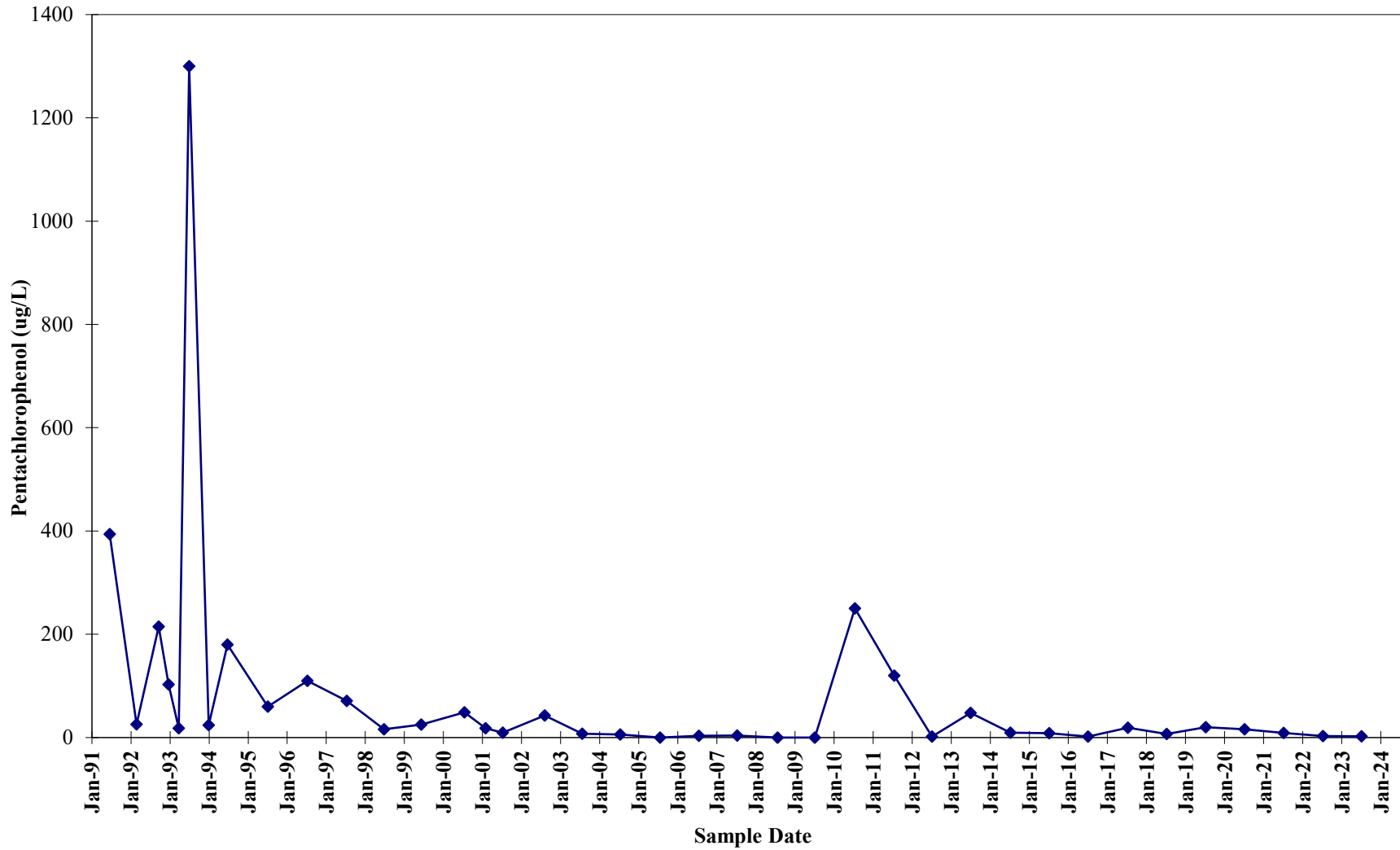
### Pentachlorophenol Concentrations Historical Groundwater Monitoring Well W03A



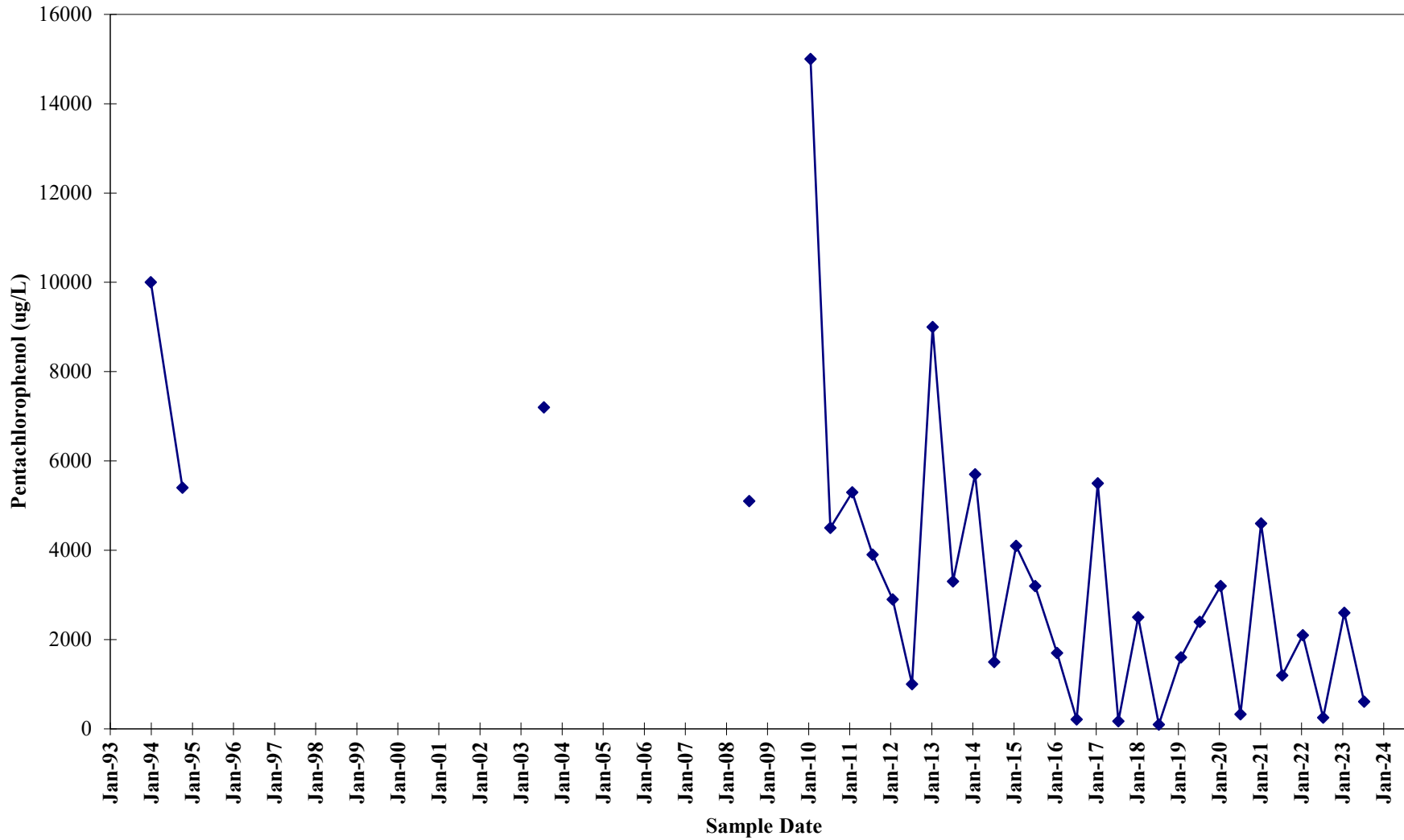
PCP data gap due to measurable product present in well.



### Pentachlorophenol Concentrations Historical Groundwater Monitoring Well W03B

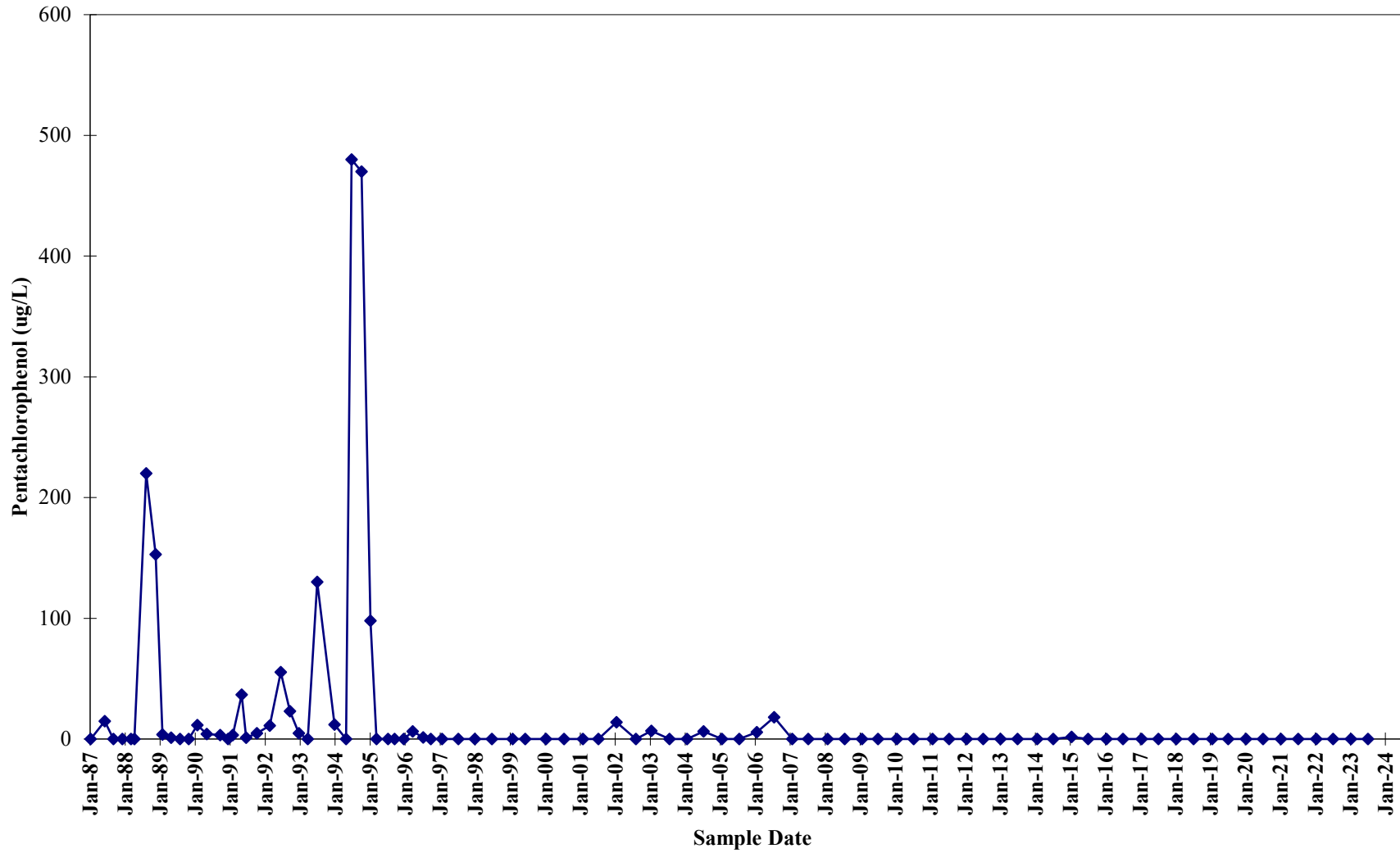


**Pentachlorophenol Concentrations  
Historical Groundwater Monitoring  
Well W06R**

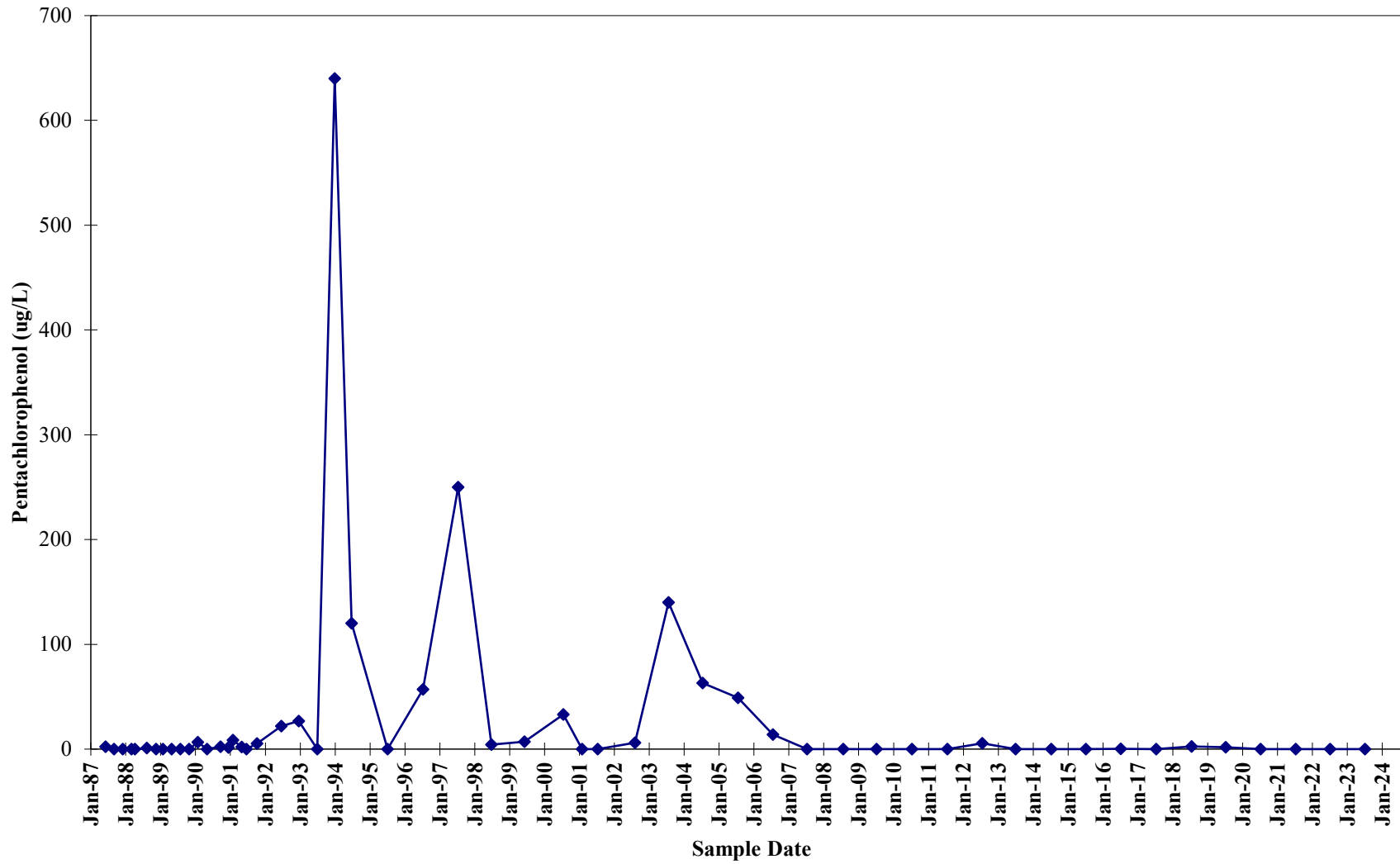


PCP data gap due to measurable product present in well.

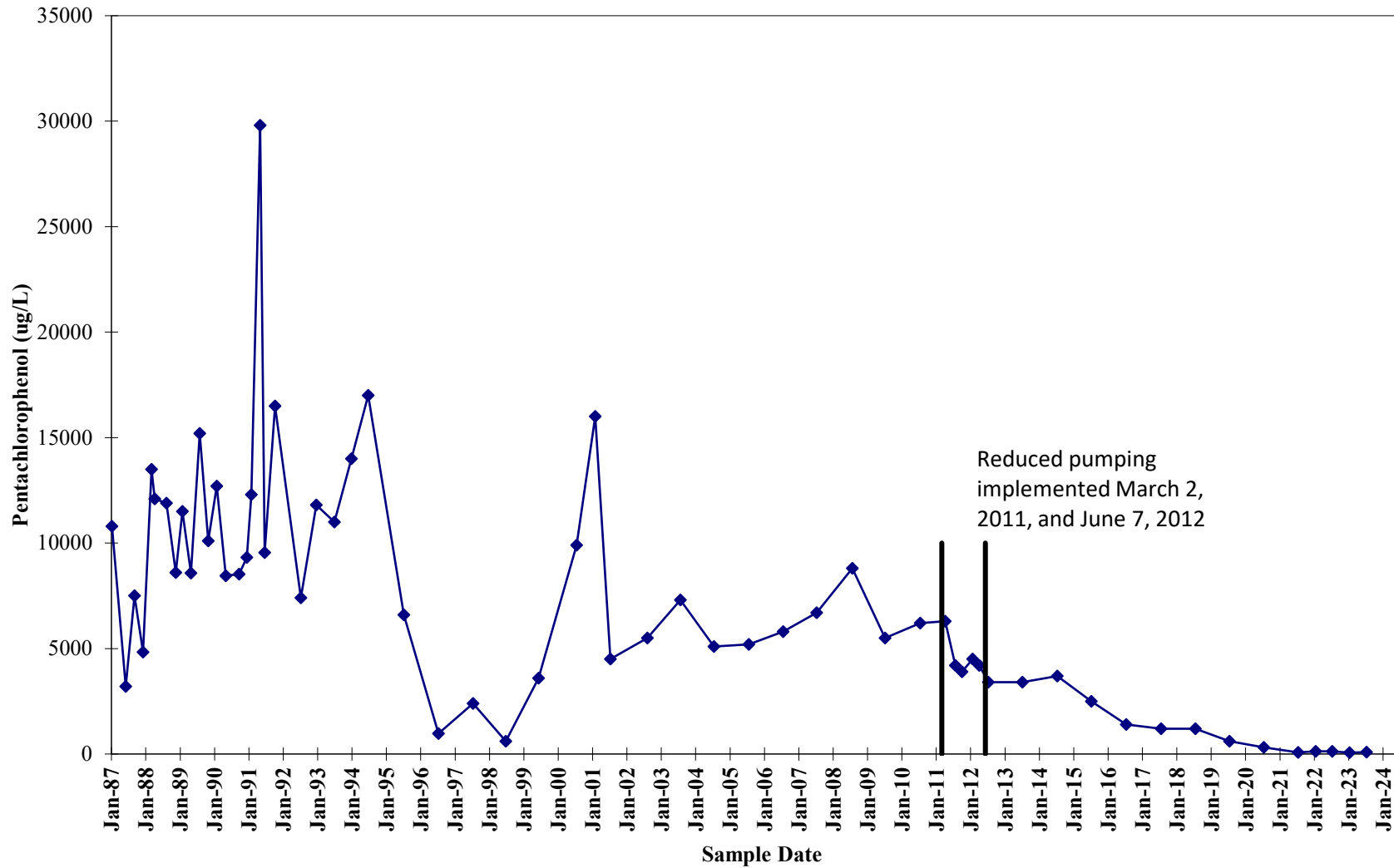
### Pentachlorophenol Concentrations Historical Groundwater Monitoring Well W08



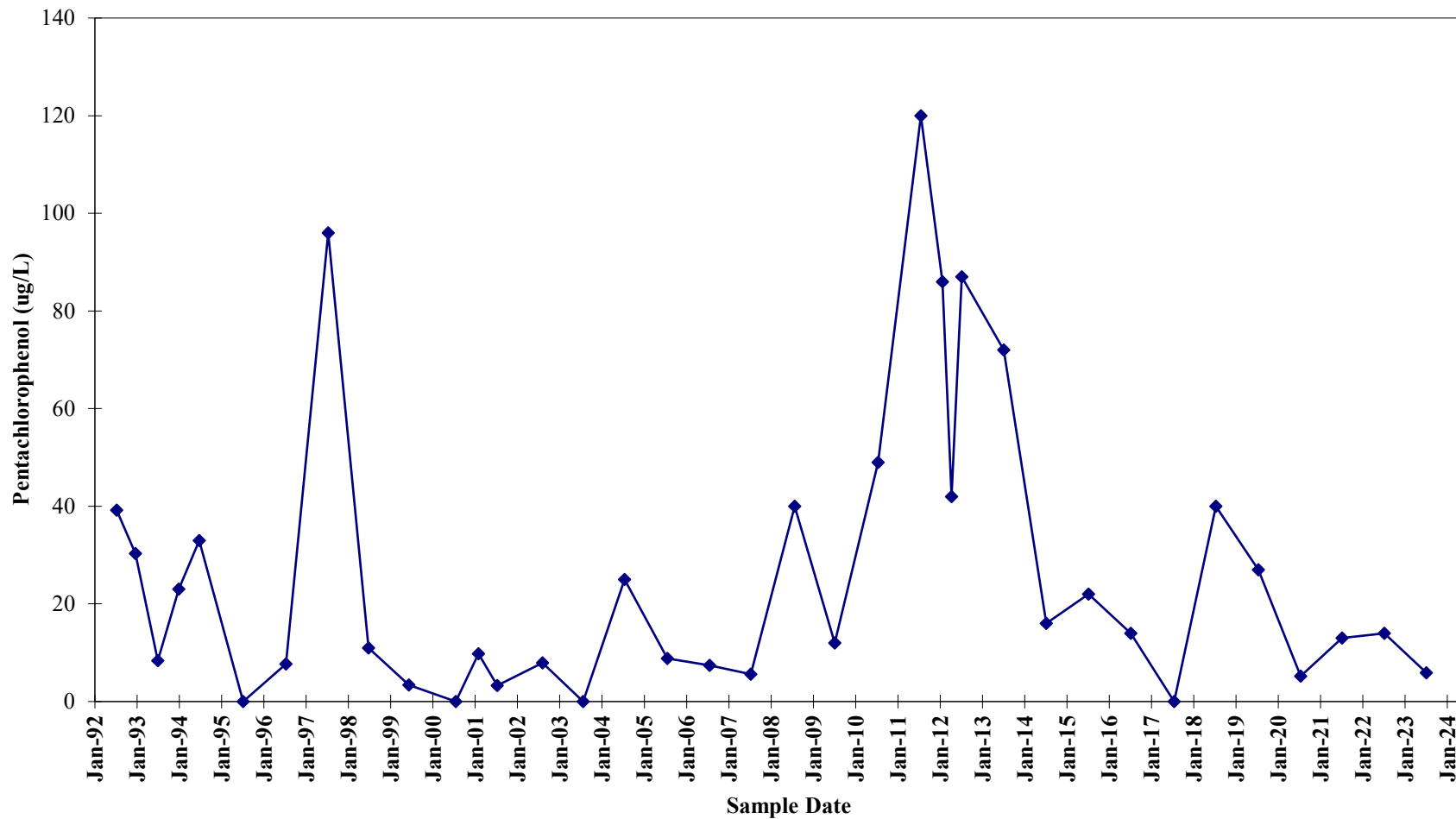
**Pentachlorophenol Concentrations  
Historical Groundwater Monitoring  
Well W09**



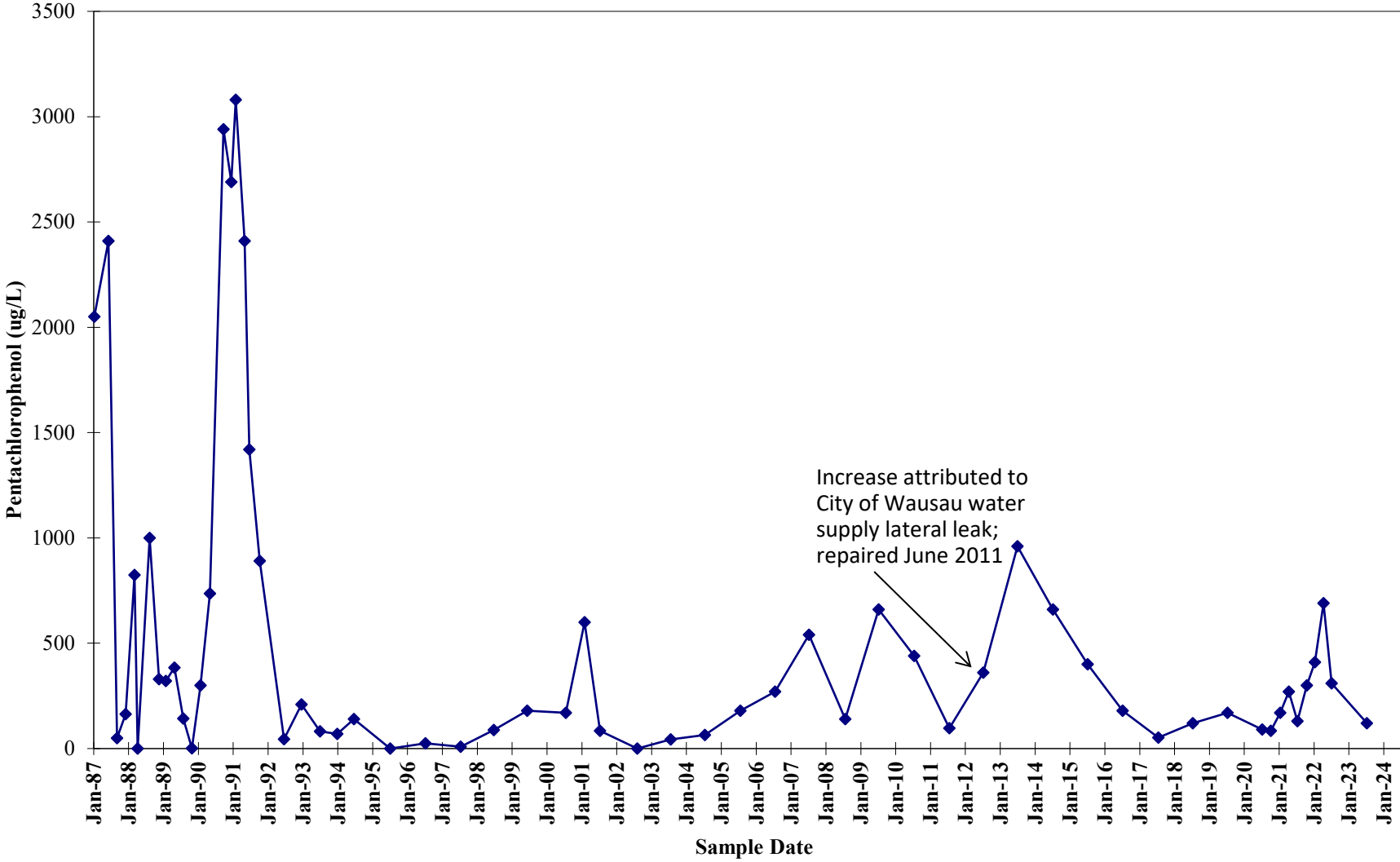
**Pentachlorophenol Concentrations  
Historical Groundwater Monitoring  
Well W10A**



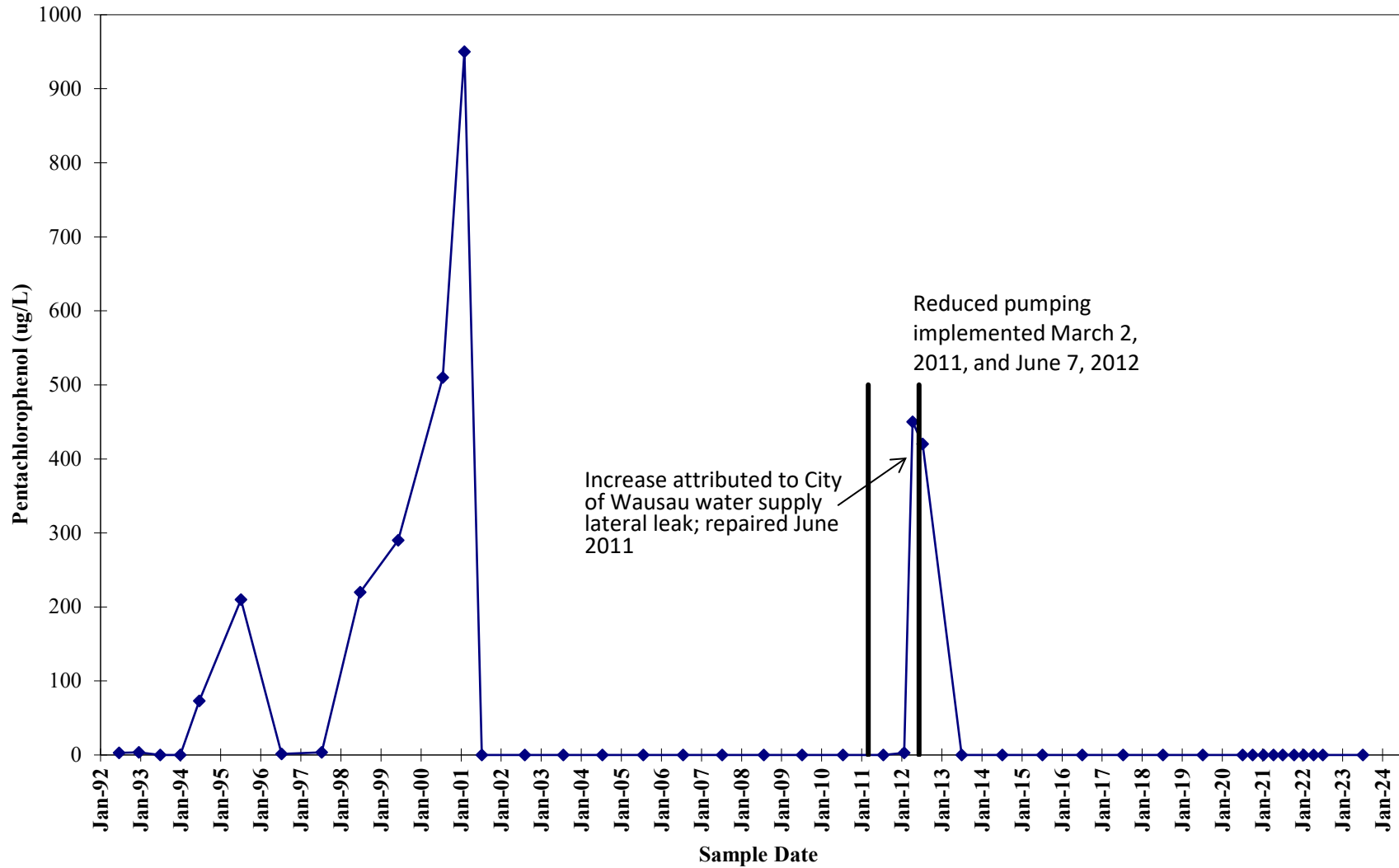
### Pentachlorophenol Concentrations Historical Groundwater Monitoring Well W10B



**Pentachlorophenol Concentrations  
Historical Groundwater Monitoring  
Well W11**

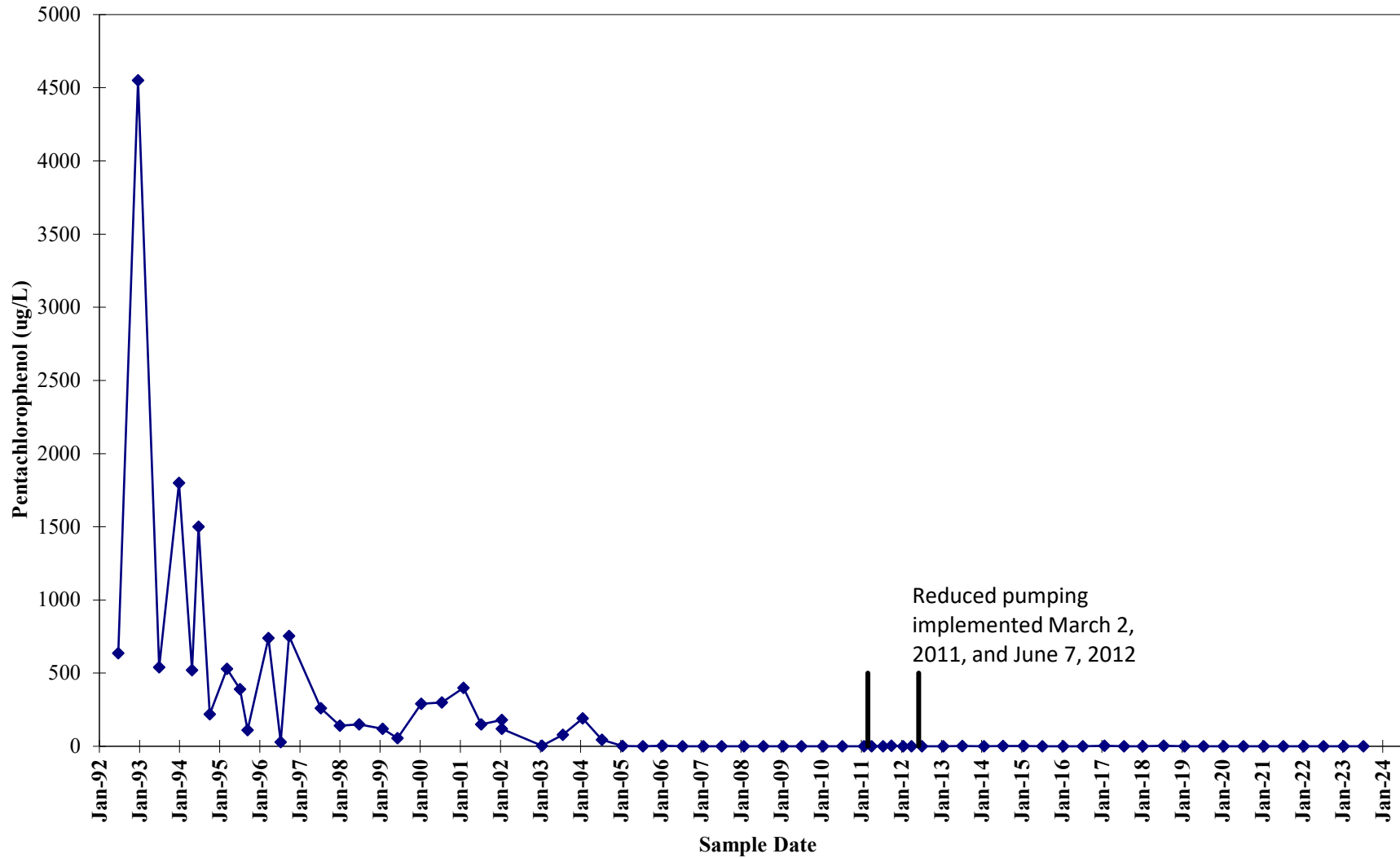


### Pentachlorophenol Concentrations Historical Groundwater Monitoring Well W12

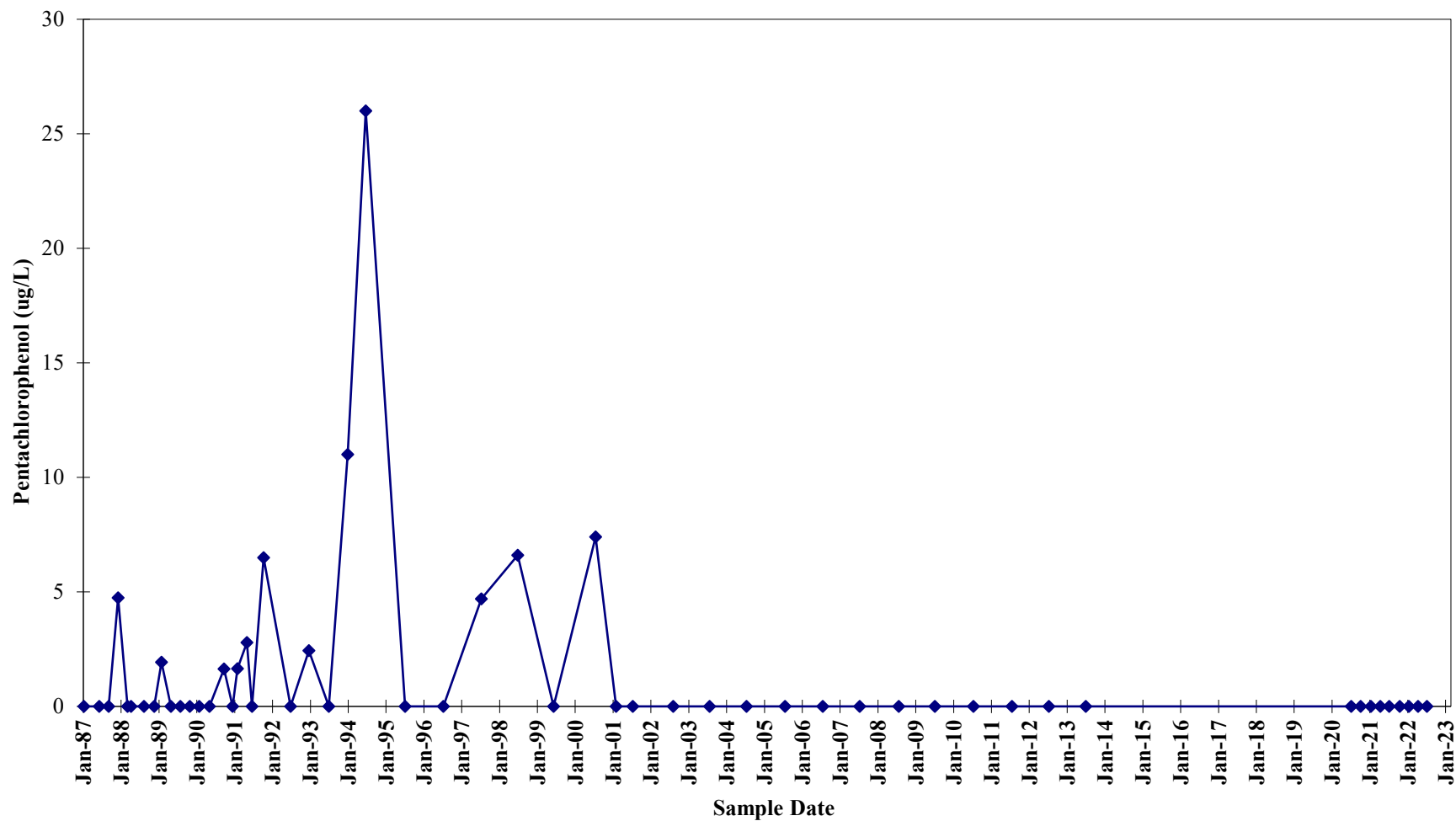




### Pentachlorophenol Concentrations Historical Groundwater Monitoring Well W13

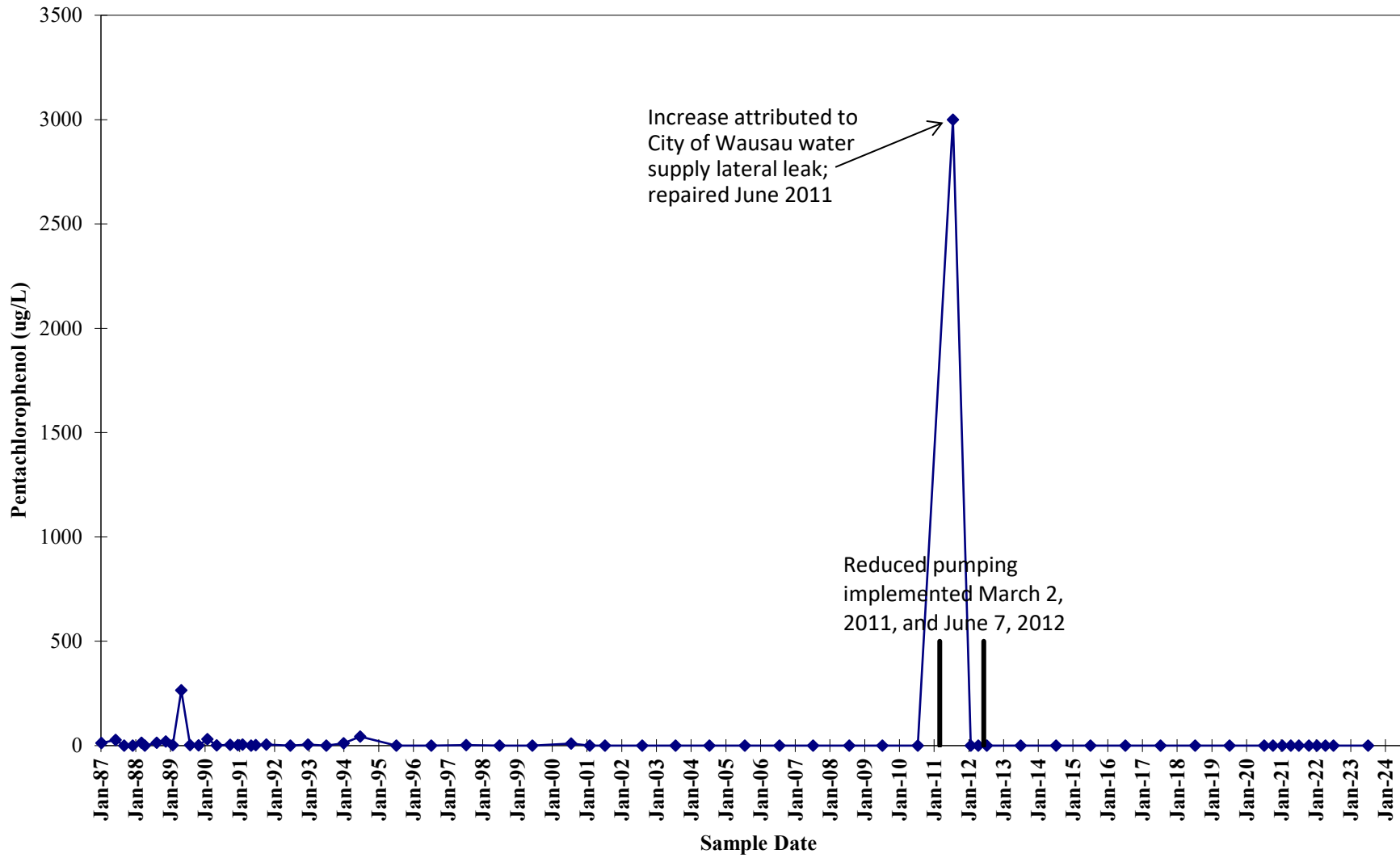


### Pentachlorophenol Concentrations Historical Groundwater Monitoring Well W14

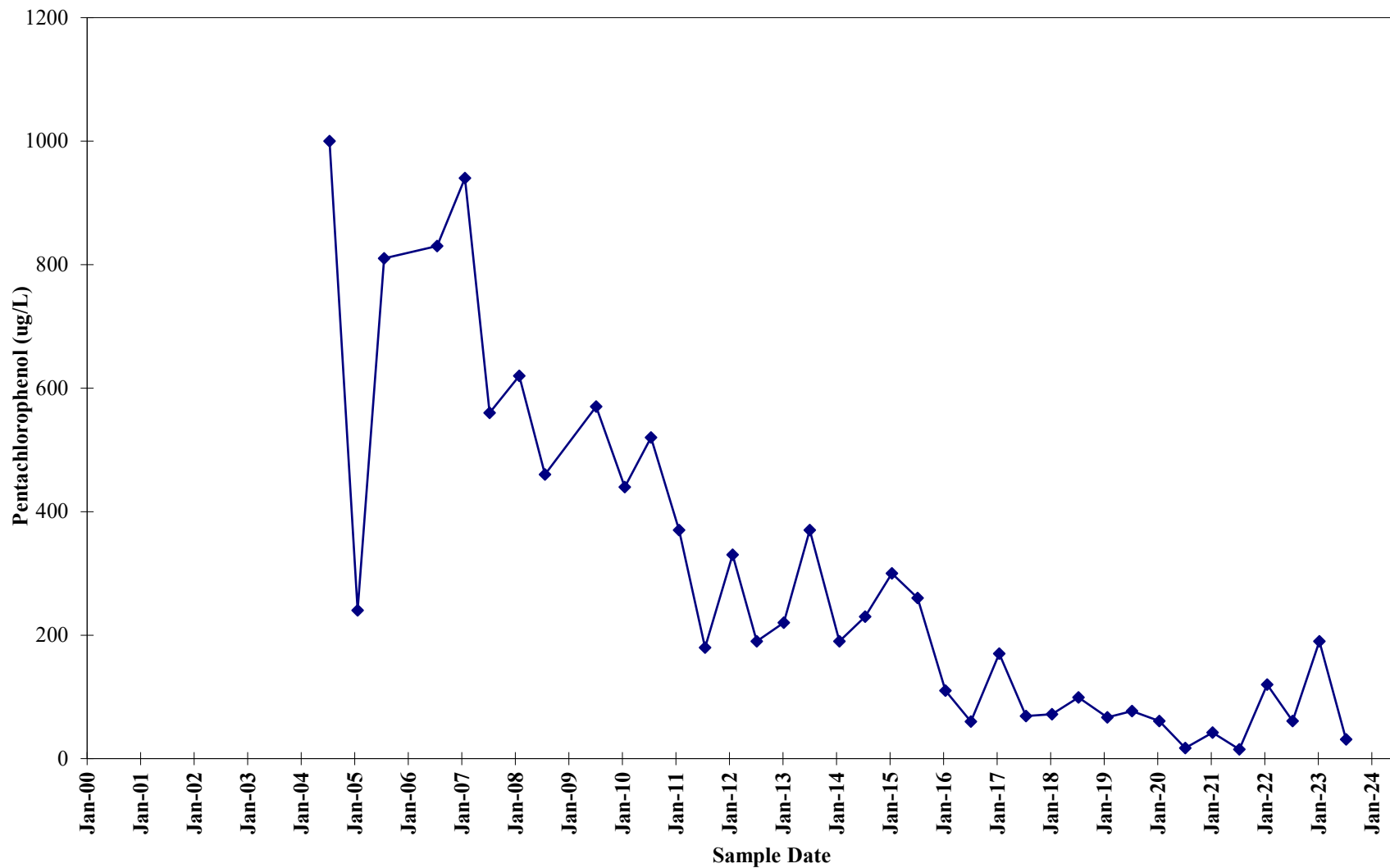


Well W14 discontinued from the monitoring program beginning in 2014.

### Pentachlorophenol Concentrations Historical Groundwater Monitoring Well W16

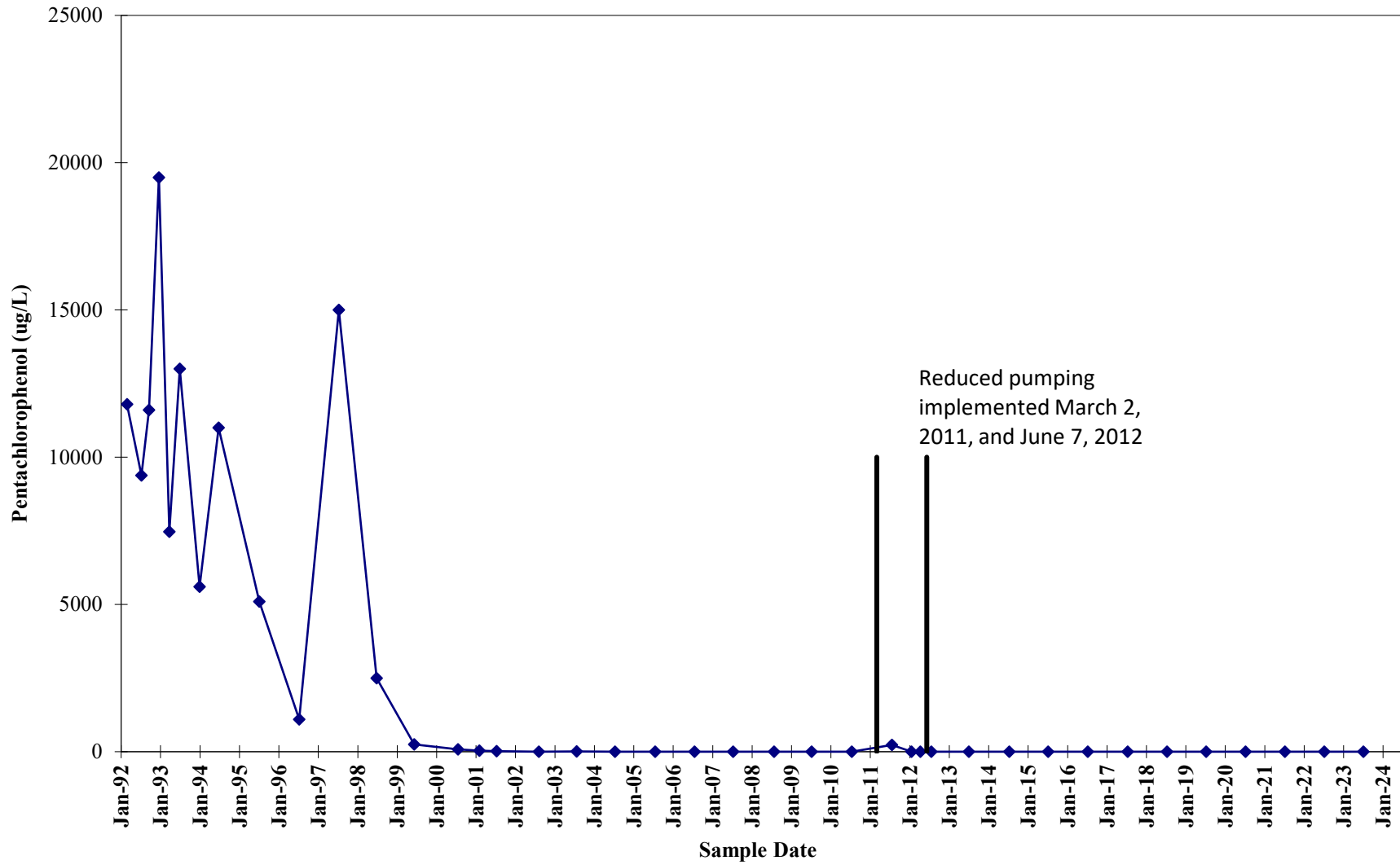


### Pentachlorophenol Concentrations Historical Groundwater Monitoring Well W17

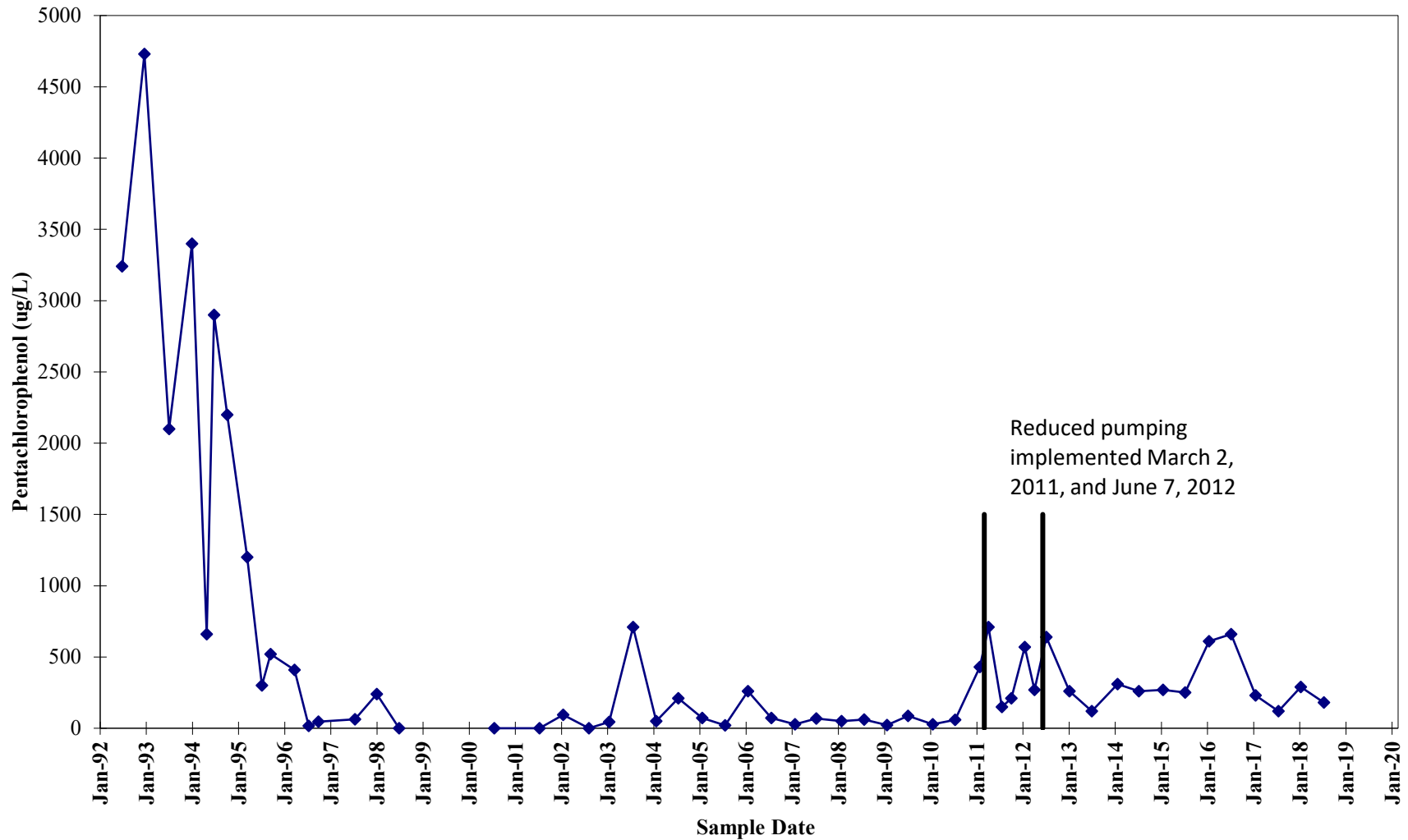


PCP data gap due to measurable product in well.

**Pentachlorophenol Concentrations  
Historical Groundwater Monitoring  
Well W18**

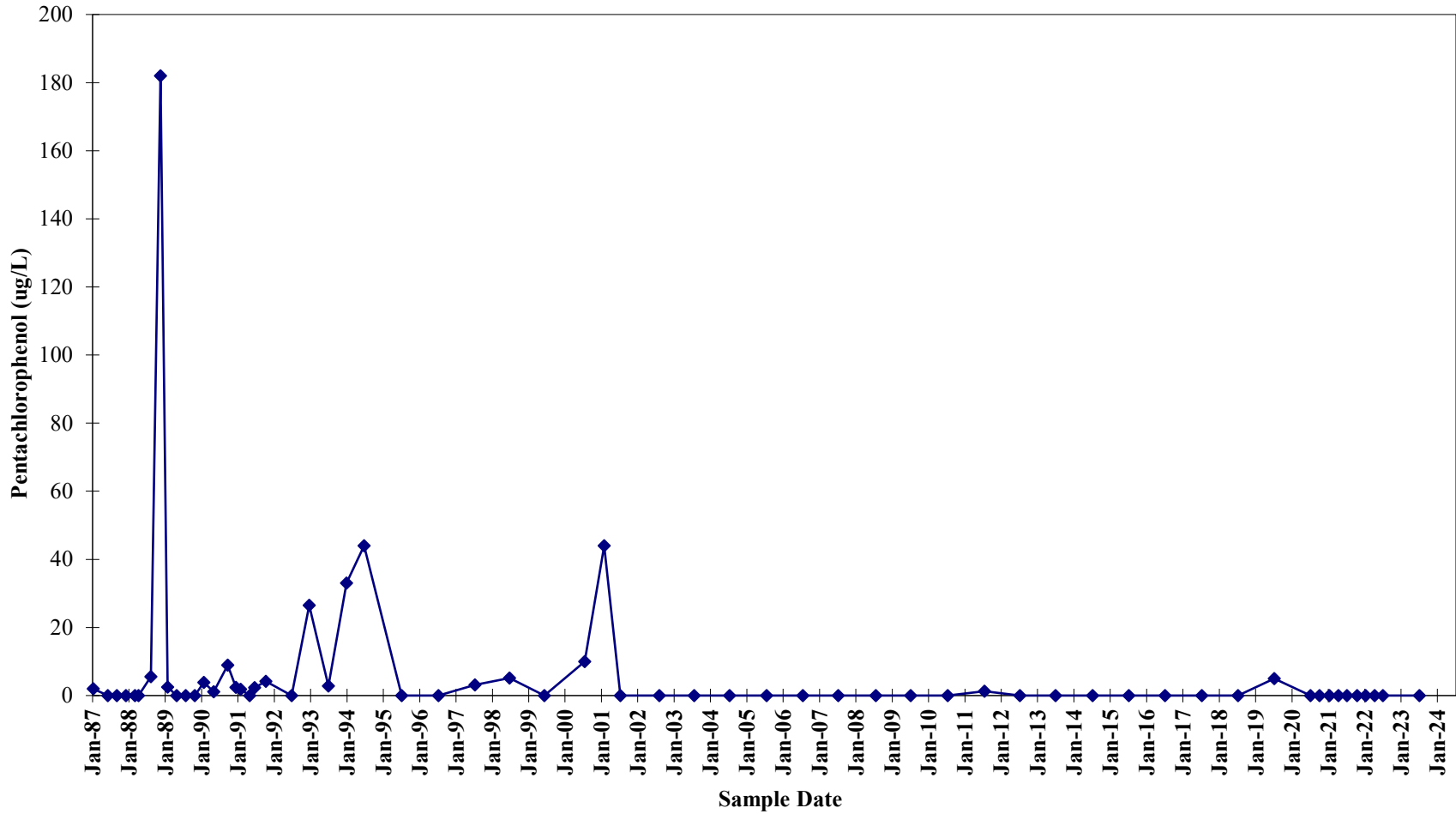


### Pentachlorophenol Concentrations Historical Groundwater Monitoring Well W19

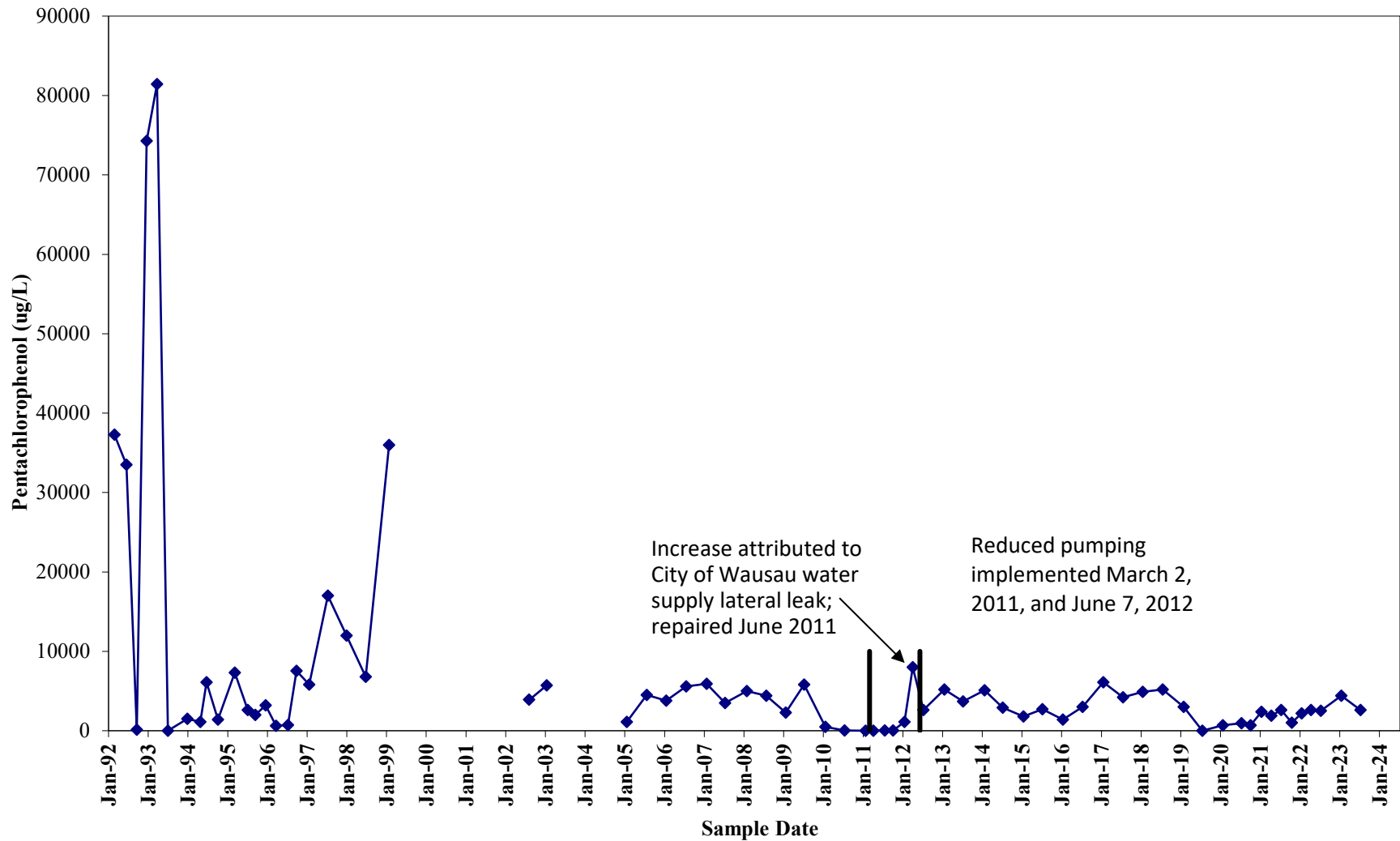


Wauleco abandoned this well in 2019 due to Thomas Street construction.

### Pentachlorophenol Concentrations Historical Groundwater Monitoring Well W21



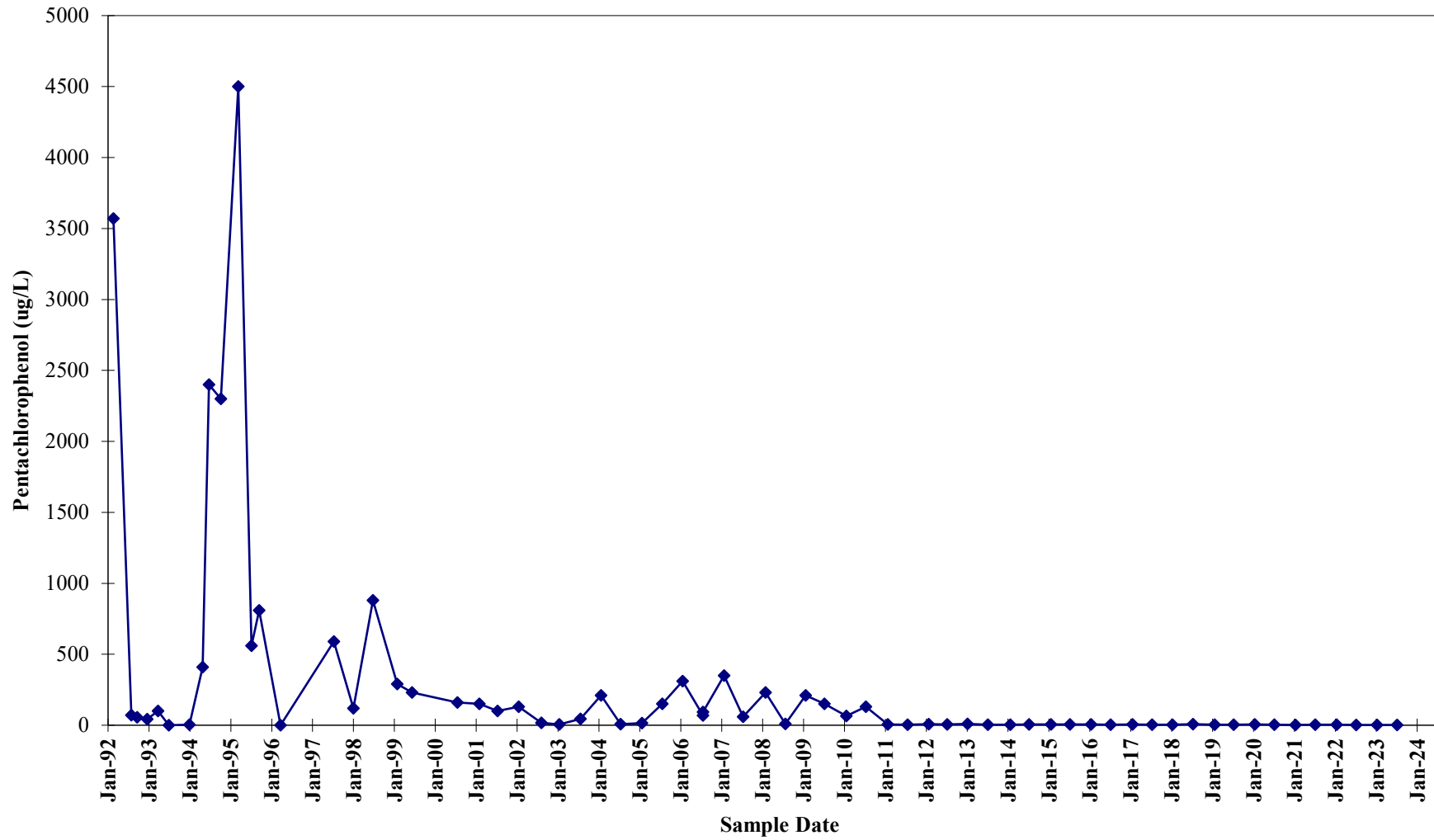
### Pentachlorophenol Concentrations Historical Groundwater Monitoring Well W22



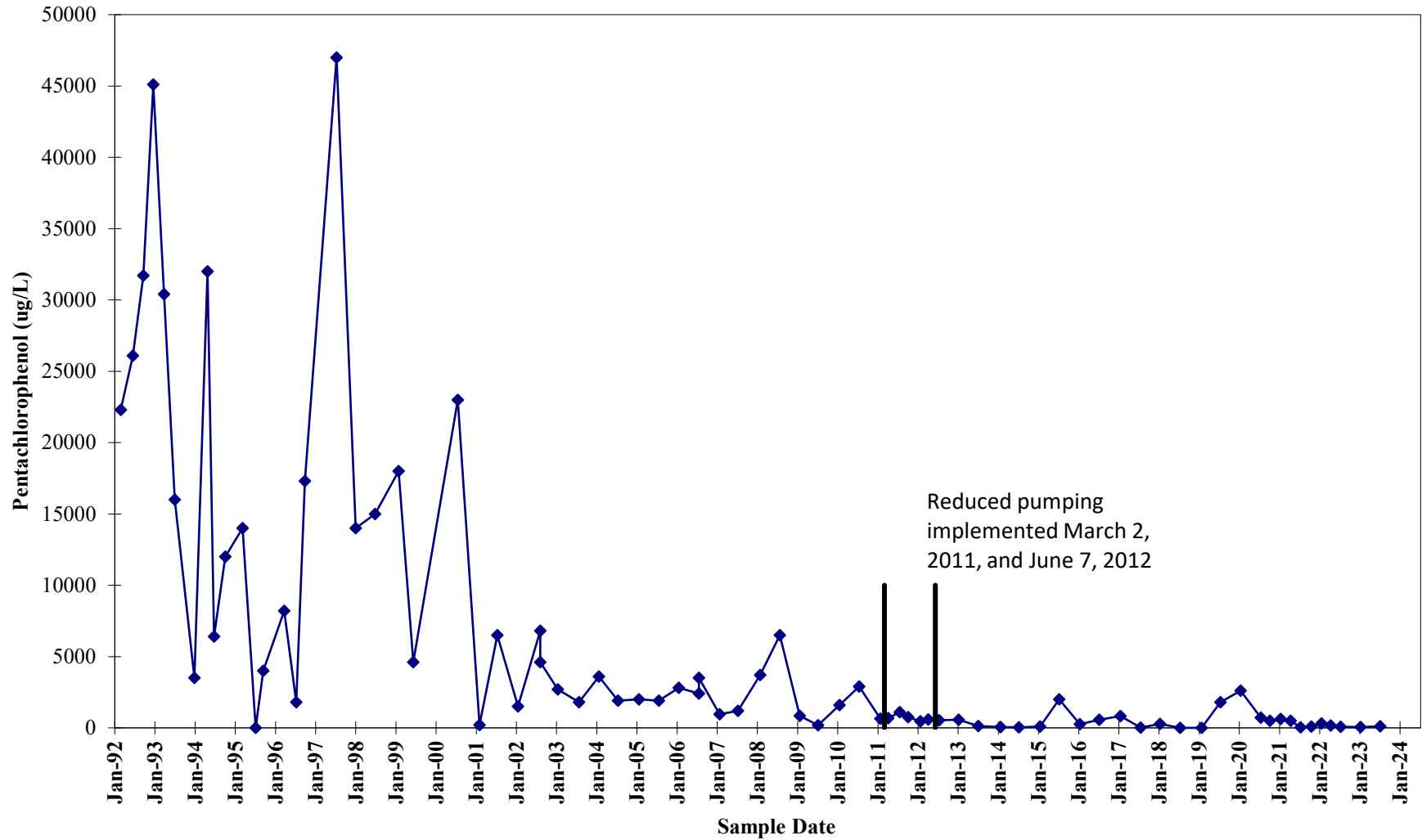
PCP data gap due to measurable product present in well.



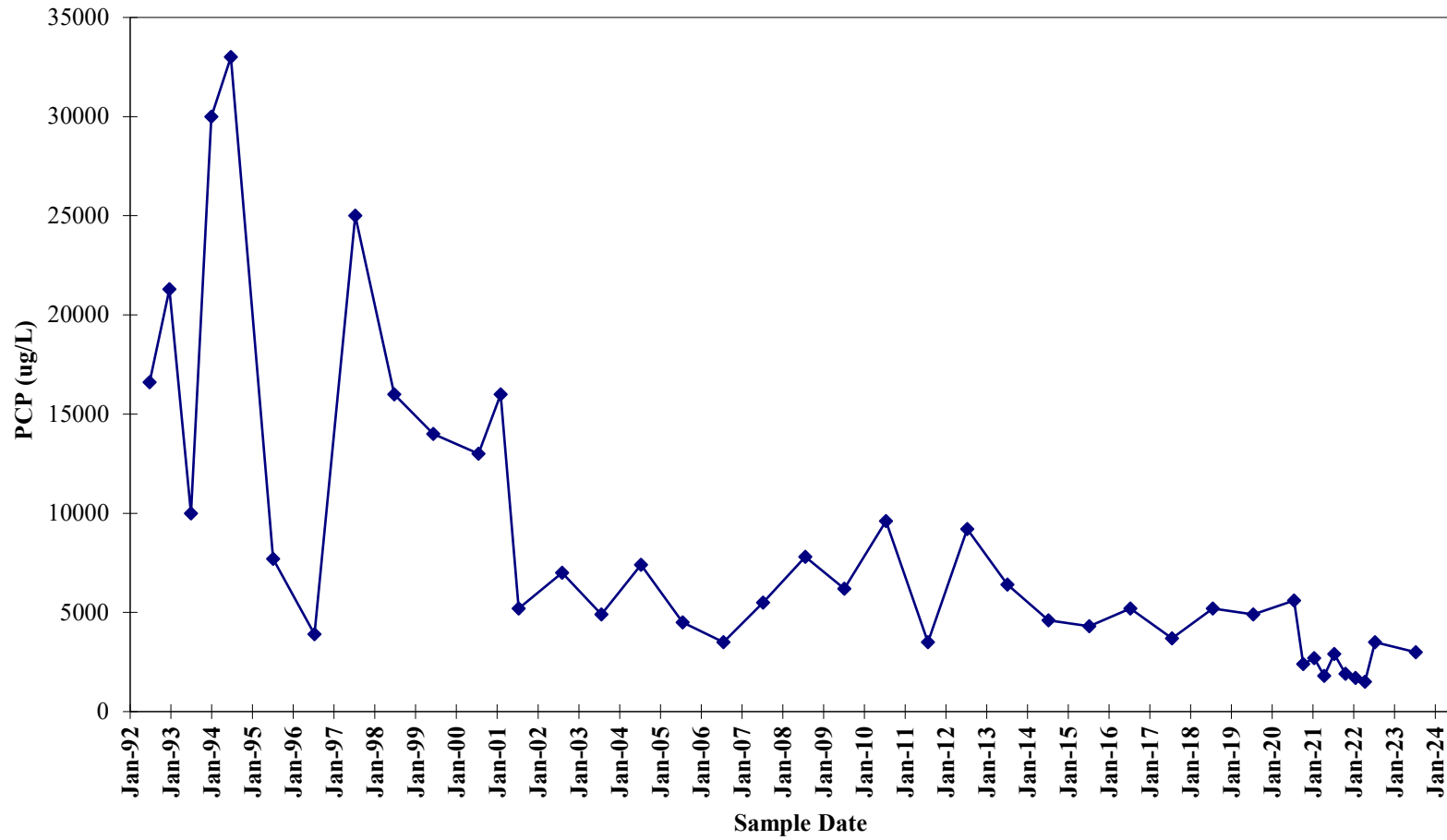
**Pentachlorophenol Concentrations  
Historical Groundwater Monitoring  
Well W25**



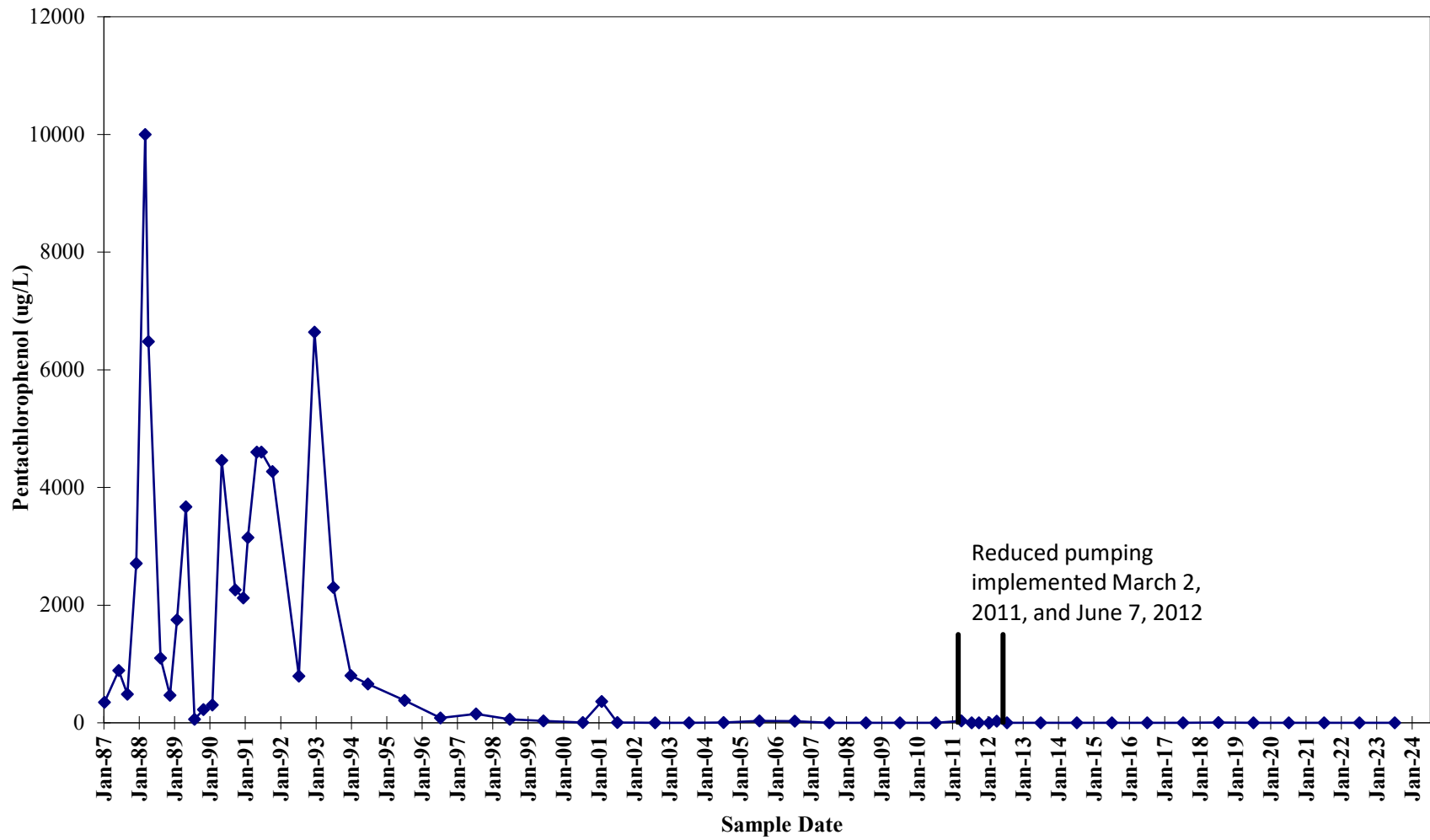
**Pentachlorophenol Concentrations  
Historical Groundwater Monitoring  
Well W26-W26R**



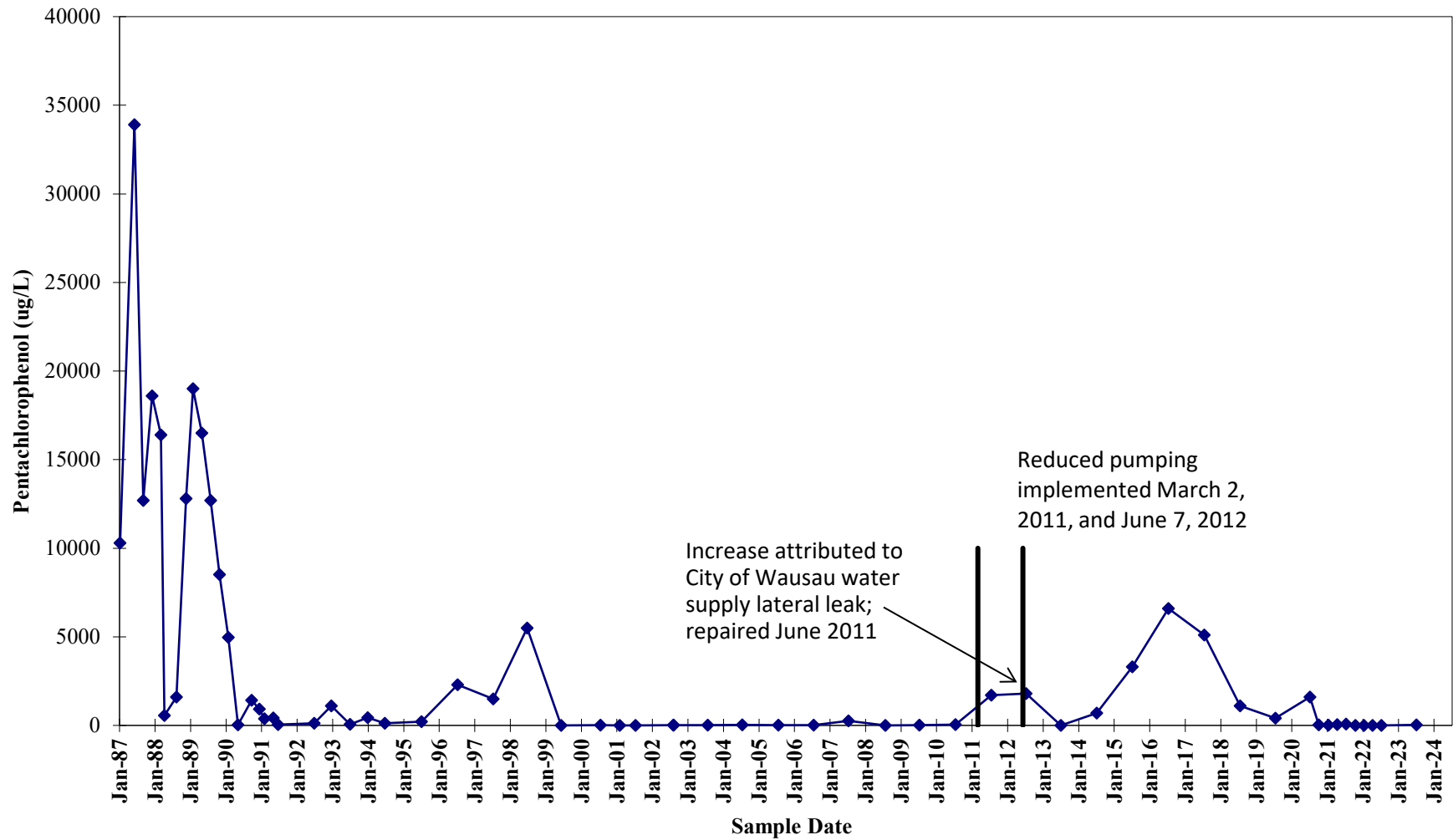
**Pentachlorophenol Concentrations  
Historical Groundwater Monitoring  
Well W27**



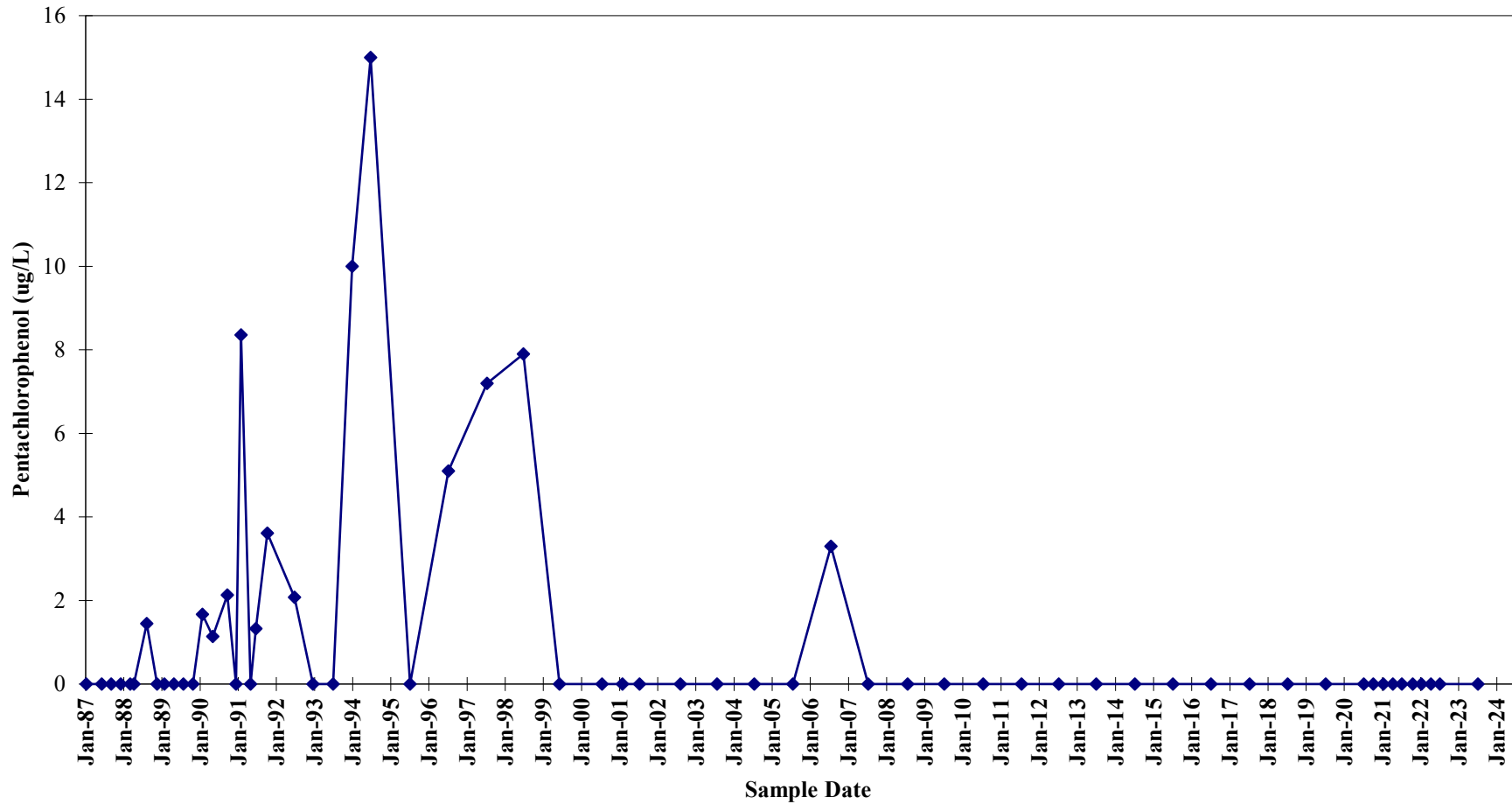
### Pentachlorophenol Concentrations Historical Groundwater Monitoring Well W28



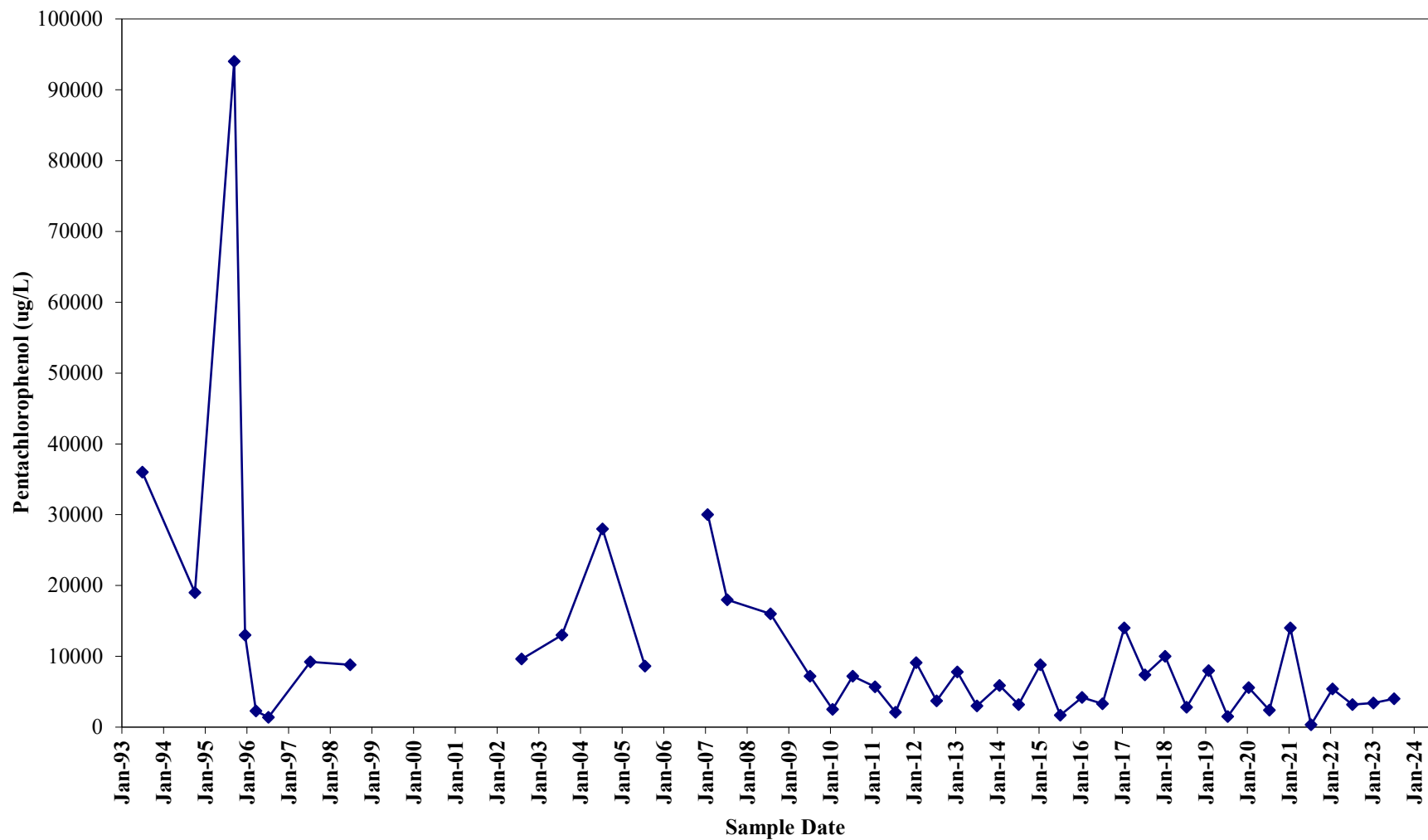
**Pentachlorophenol Concentrations  
Historical Groundwater Monitoring  
Well W29-W29R**



**Pentachlorophenol Concentrations  
Historical Groundwater Monitoring  
Well W32**

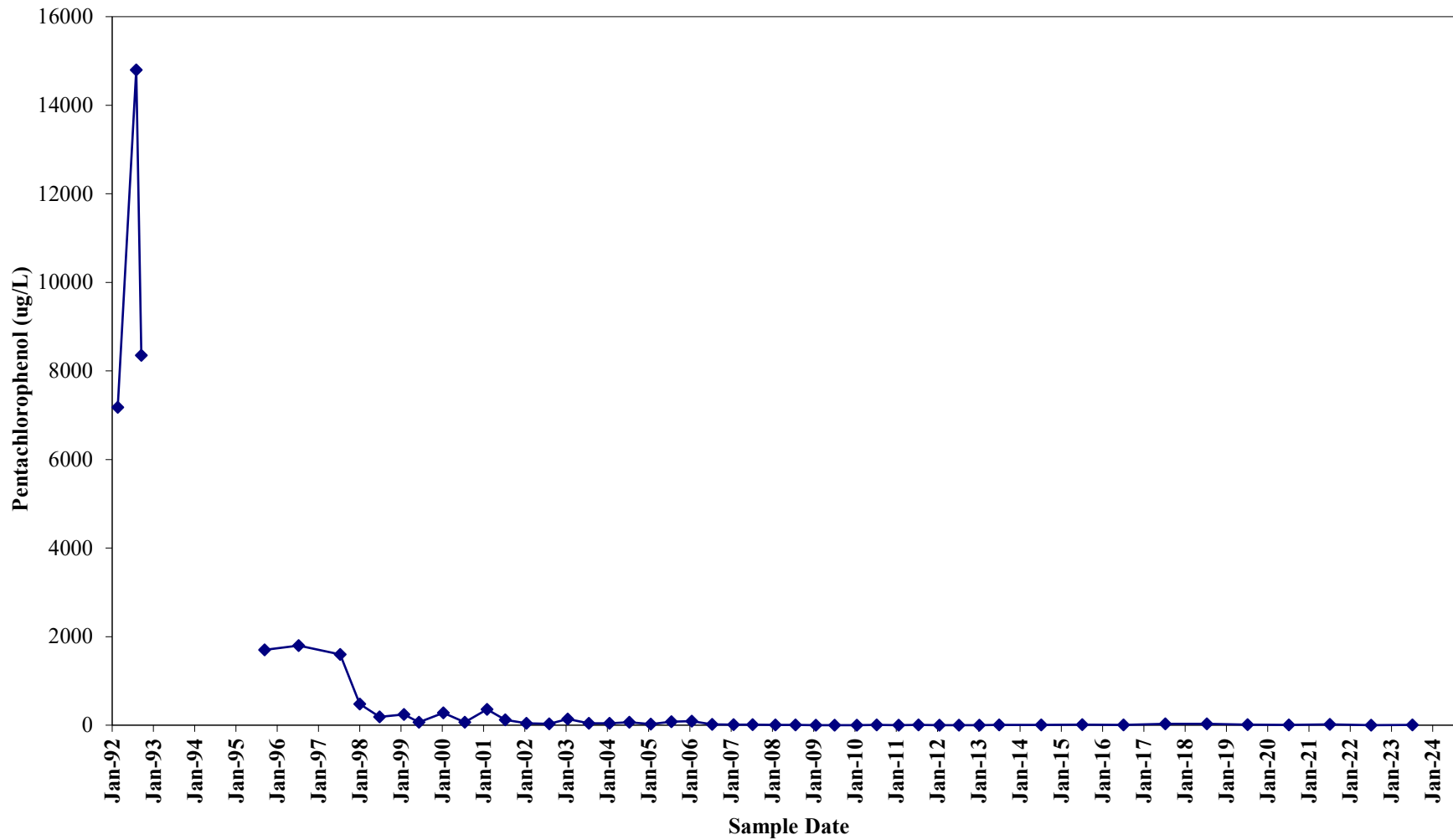


### Pentachlorophenol Concentrations Historical Groundwater Monitoring Well W33



PCP data gap due to measurable product present in well.

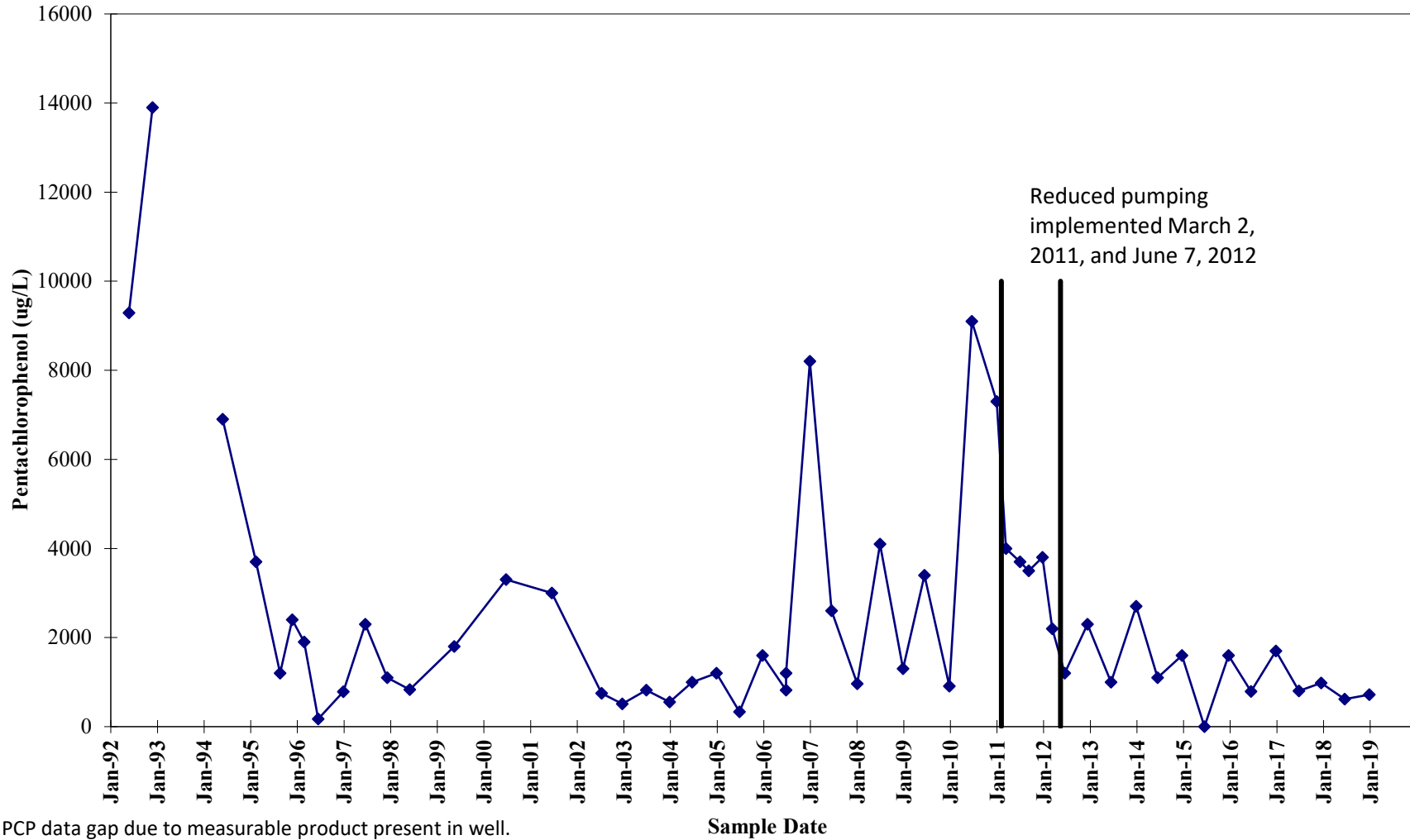
### Pentachlorophenol Concentrations Historical Groundwater Monitoring Well W36



PCP data gap due to measurable product present in well.

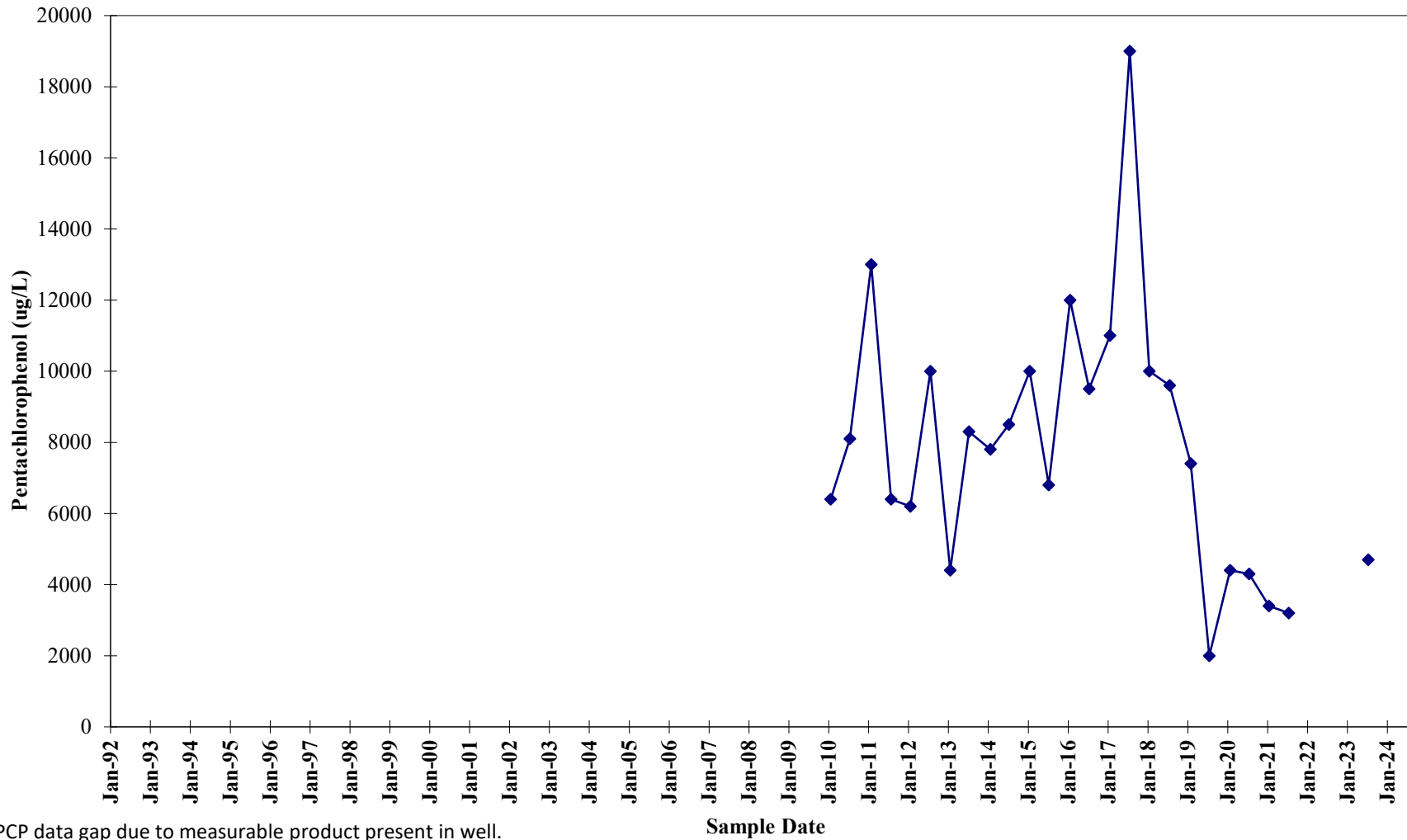


### Pentachlorophenol Concentrations Historical Groundwater Monitoring Well W39



PCP data gap due to measurable product present in well.  
 Wauleco abandoned this well in 2019 due to Thomas Street construction.

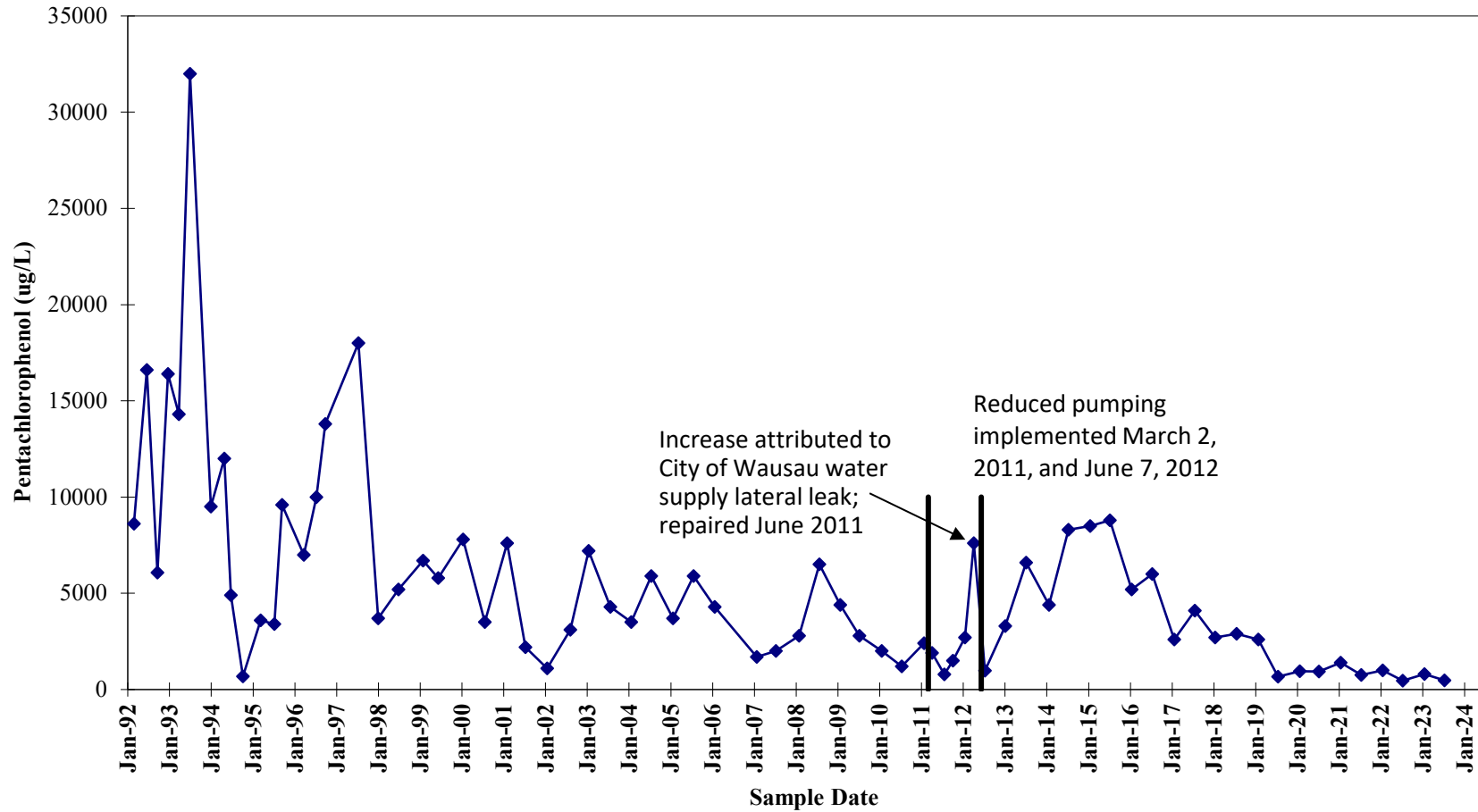
**Pentachlorophenol Concentrations  
Historical Groundwater Monitoring  
Well W40-W40R**



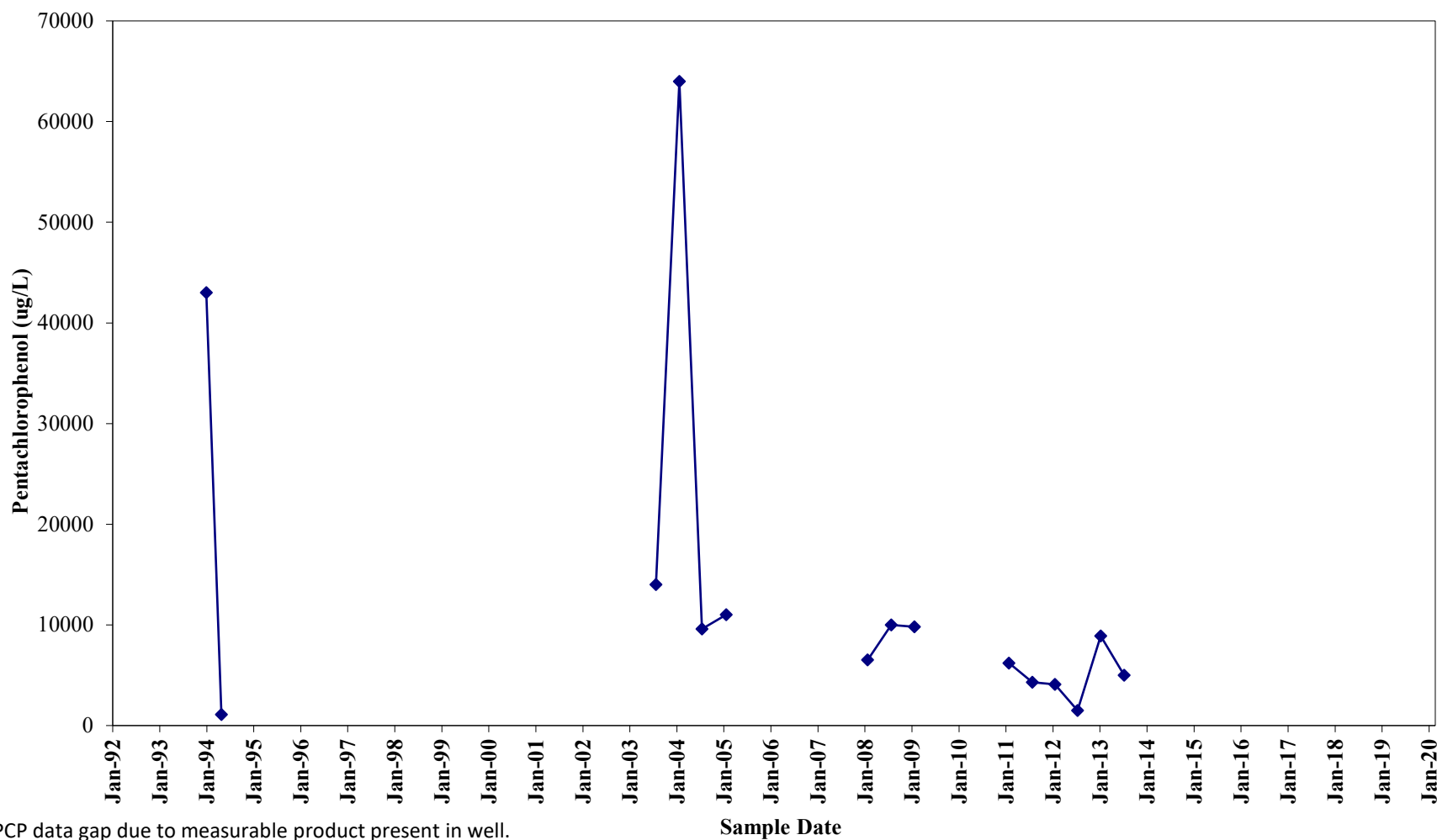
PCP data gap due to measurable product present in well.

Spike in PCP concentration in July 2017 probably due to presence of a small amount of product in water sample.

## Pentachlorophenol Concentrations Historical Groundwater Monitoring Well W41

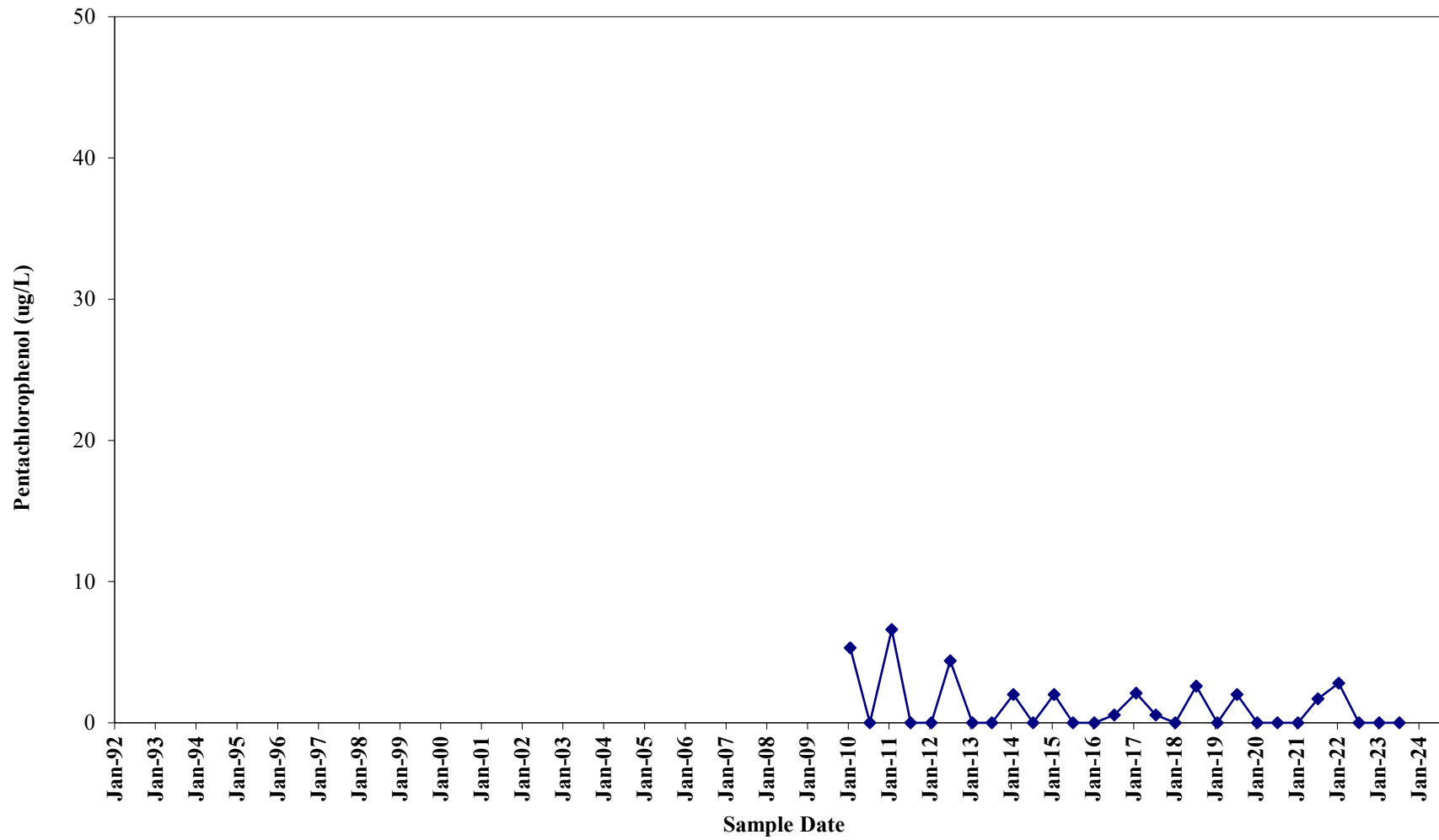


### Pentachlorophenol Concentrations Historical Groundwater Monitoring Well W69

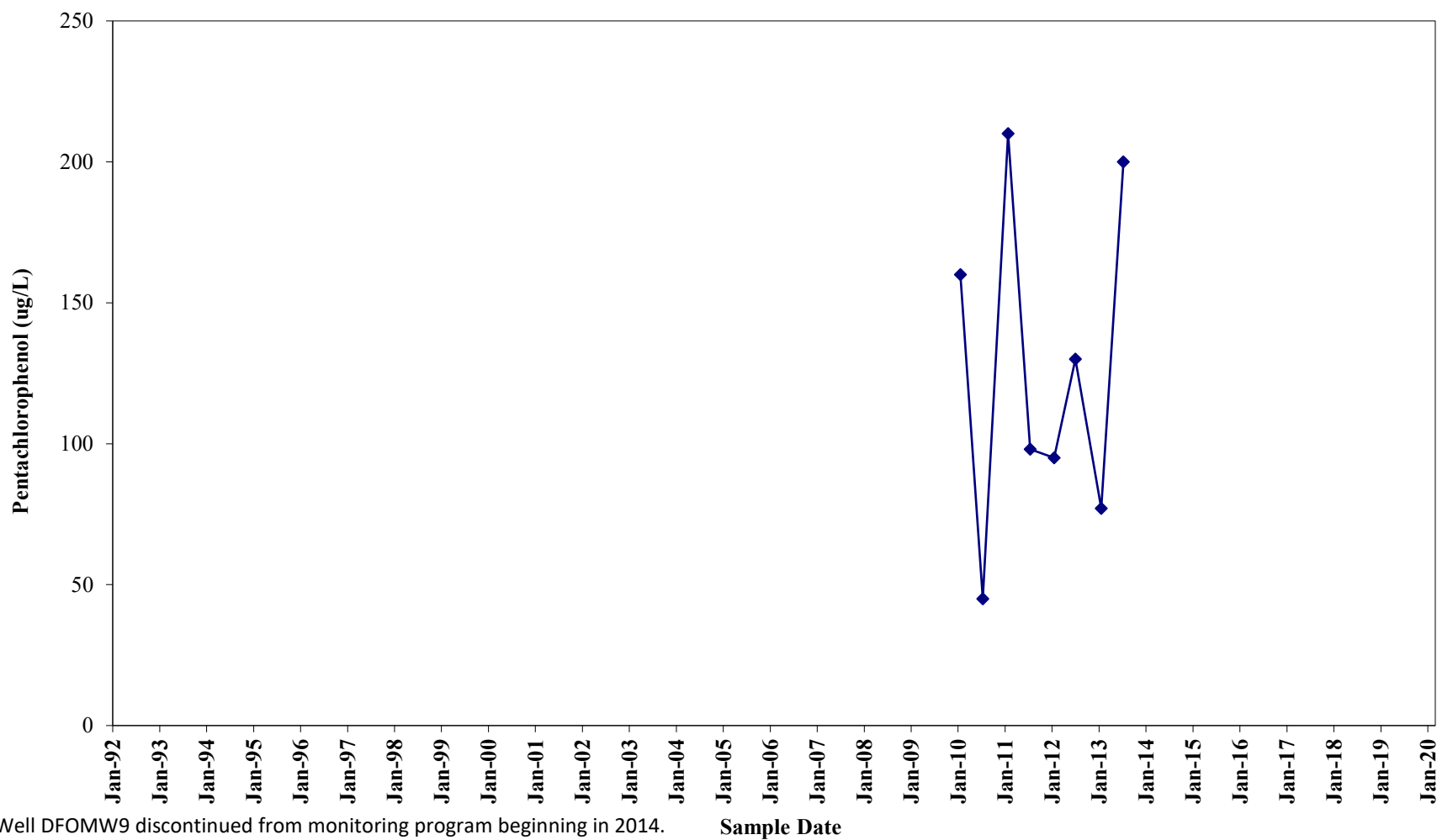


PCP data gap due to measurable product present in well.  
Well W69 discontinued from the monitoring program beginning in 2014.

**Pentachlorophenol Concentrations  
Historical Groundwater Monitoring  
Well DFOMW5**

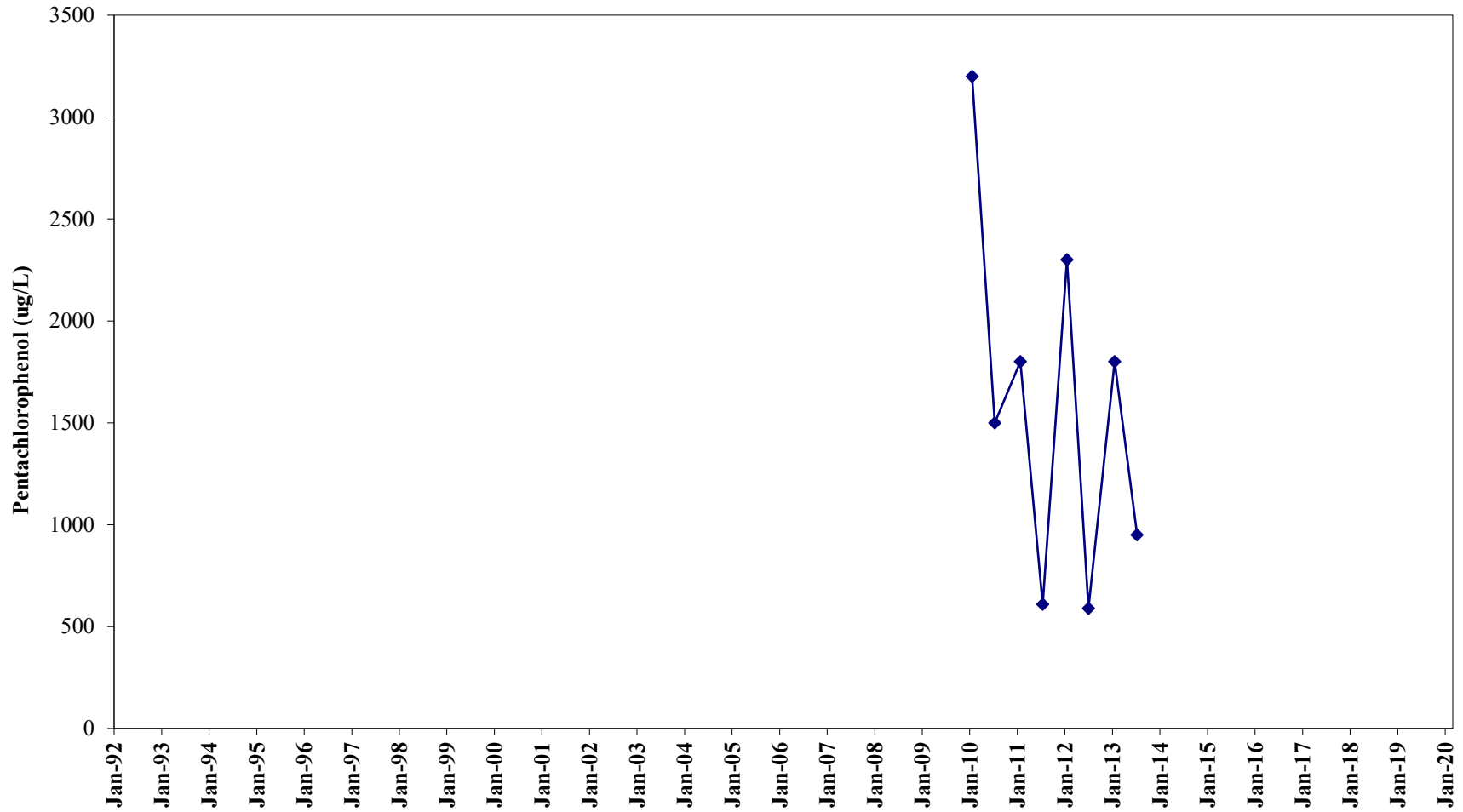


### Pentachlorophenol Concentrations Historical Groundwater Monitoring Well DFOMW9



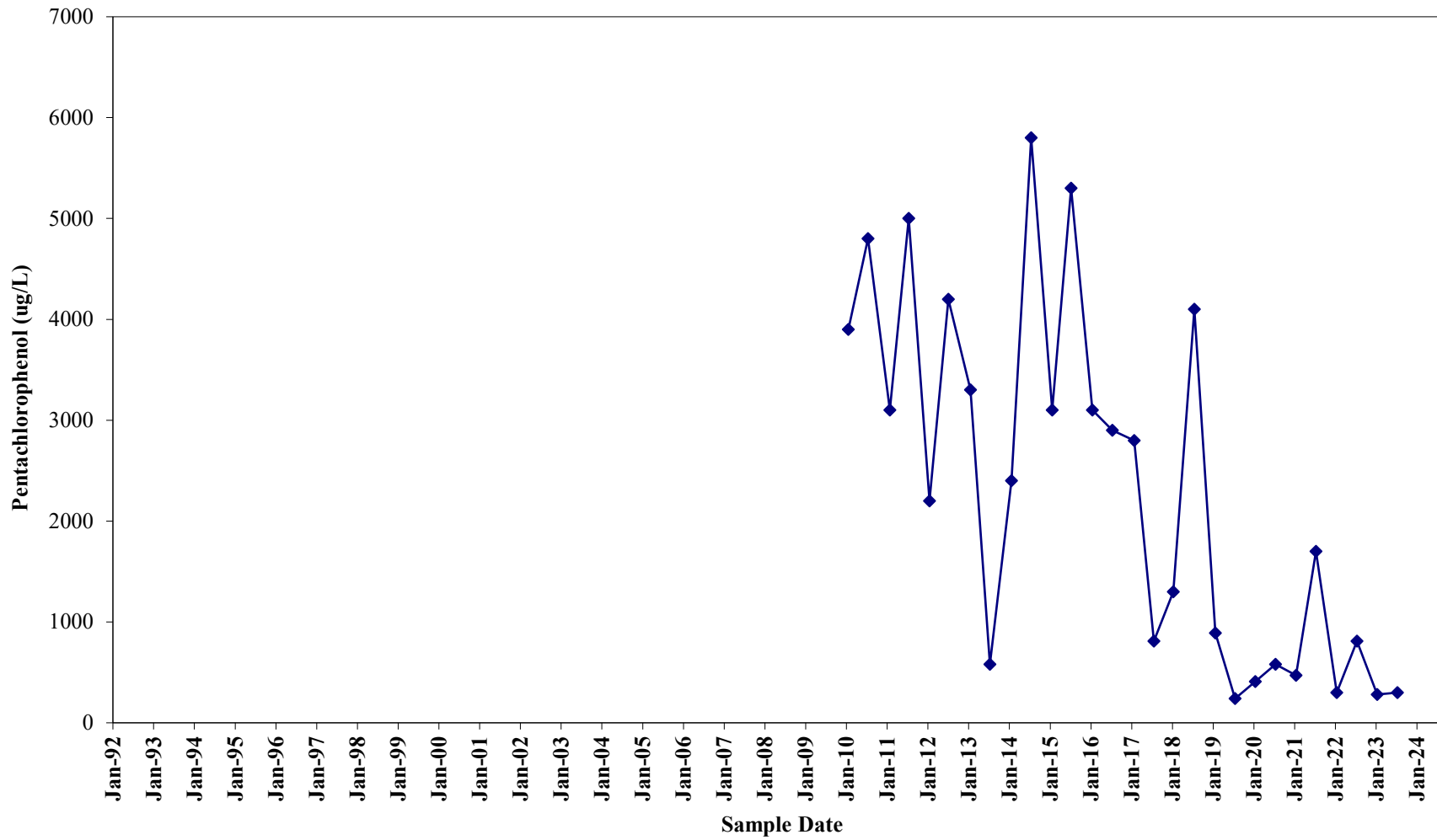
Well DFOMW9 discontinued from monitoring program beginning in 2014.  
3M abandoned this well in 2015.

**Pentachlorophenol Concentrations  
Historical Groundwater Monitoring  
Well DFOMW10A**



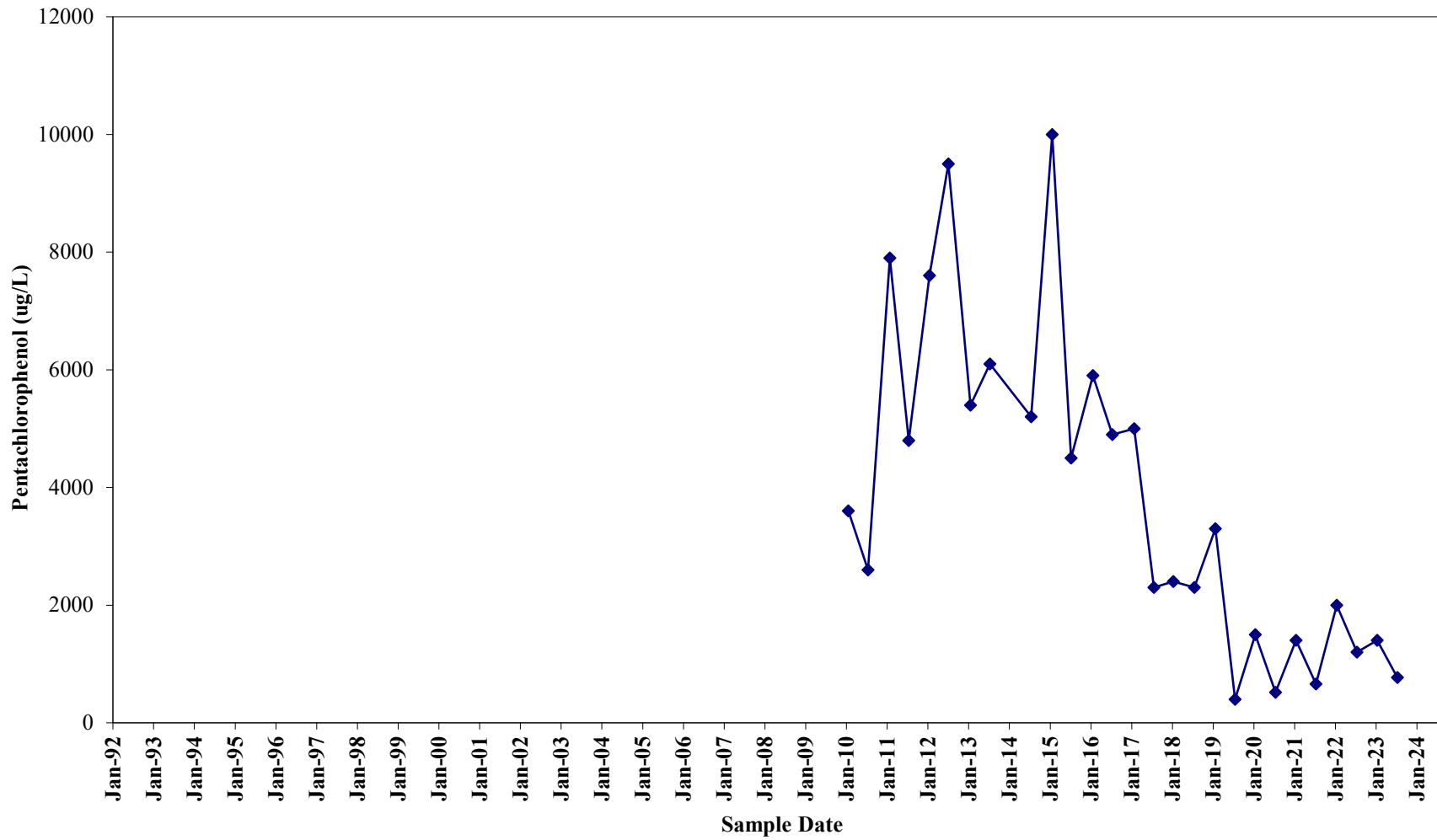
Well DFOMW10A discontinued from monitoring program beginning in 2014. 3M abandoned this well in 2015.

**Pentachlorophenol Concentrations  
Historical Groundwater Monitoring  
Well DFOMW11**

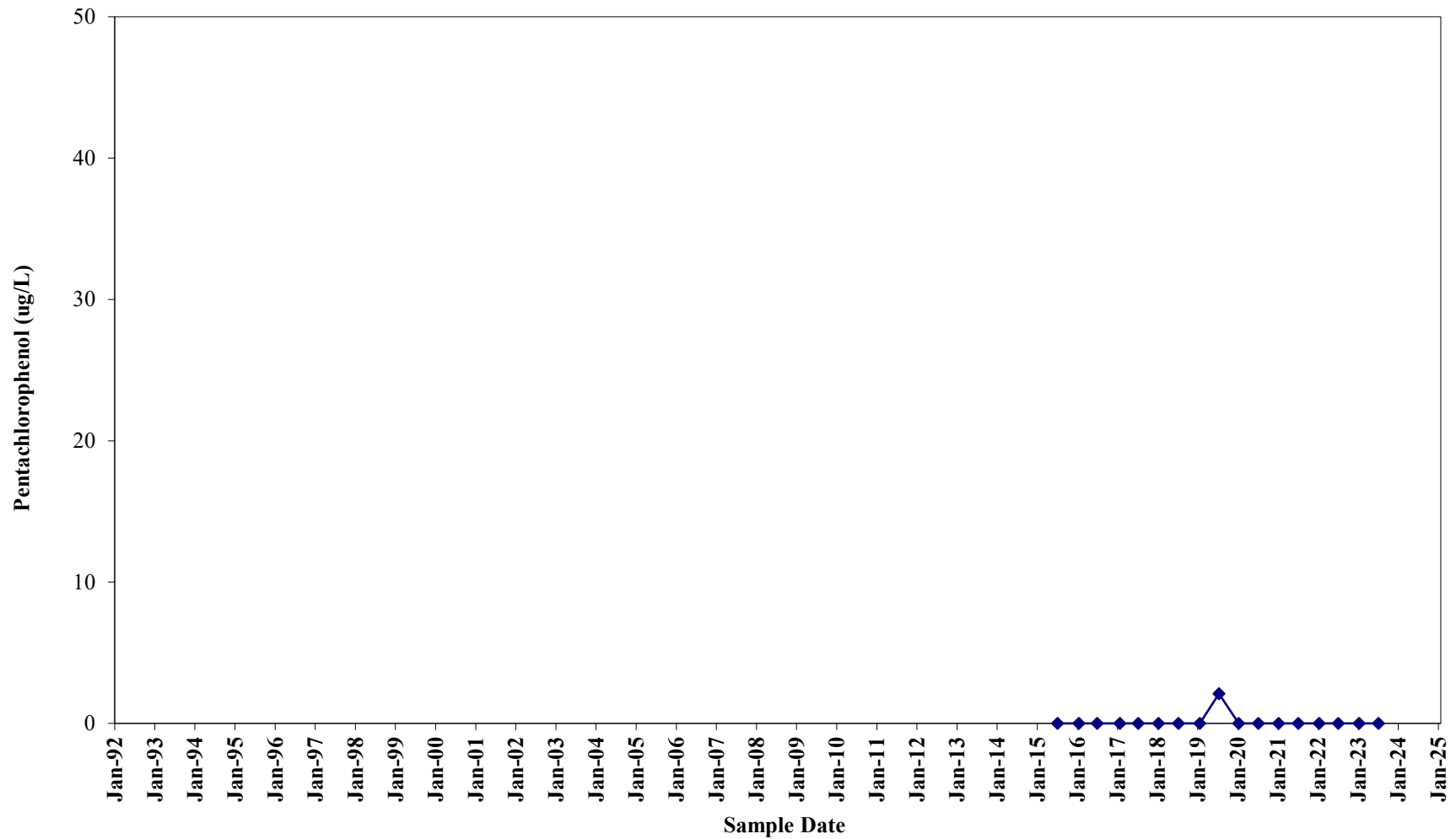




**Pentachlorophenol Concentrations  
Historical Groundwater Monitoring  
Well DFOMW12**

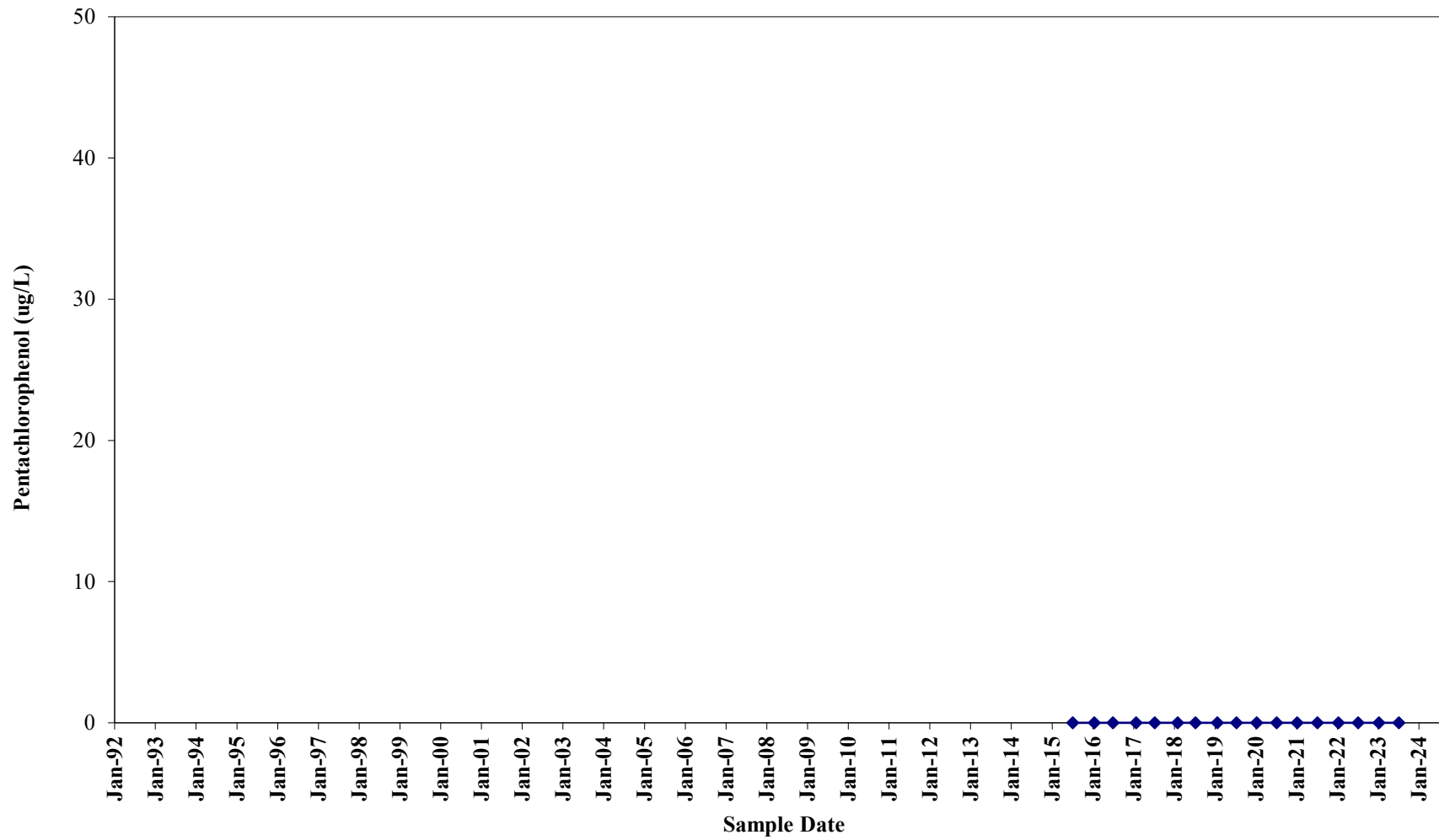


### Pentachlorophenol Concentrations Historical Groundwater Monitoring Well W71



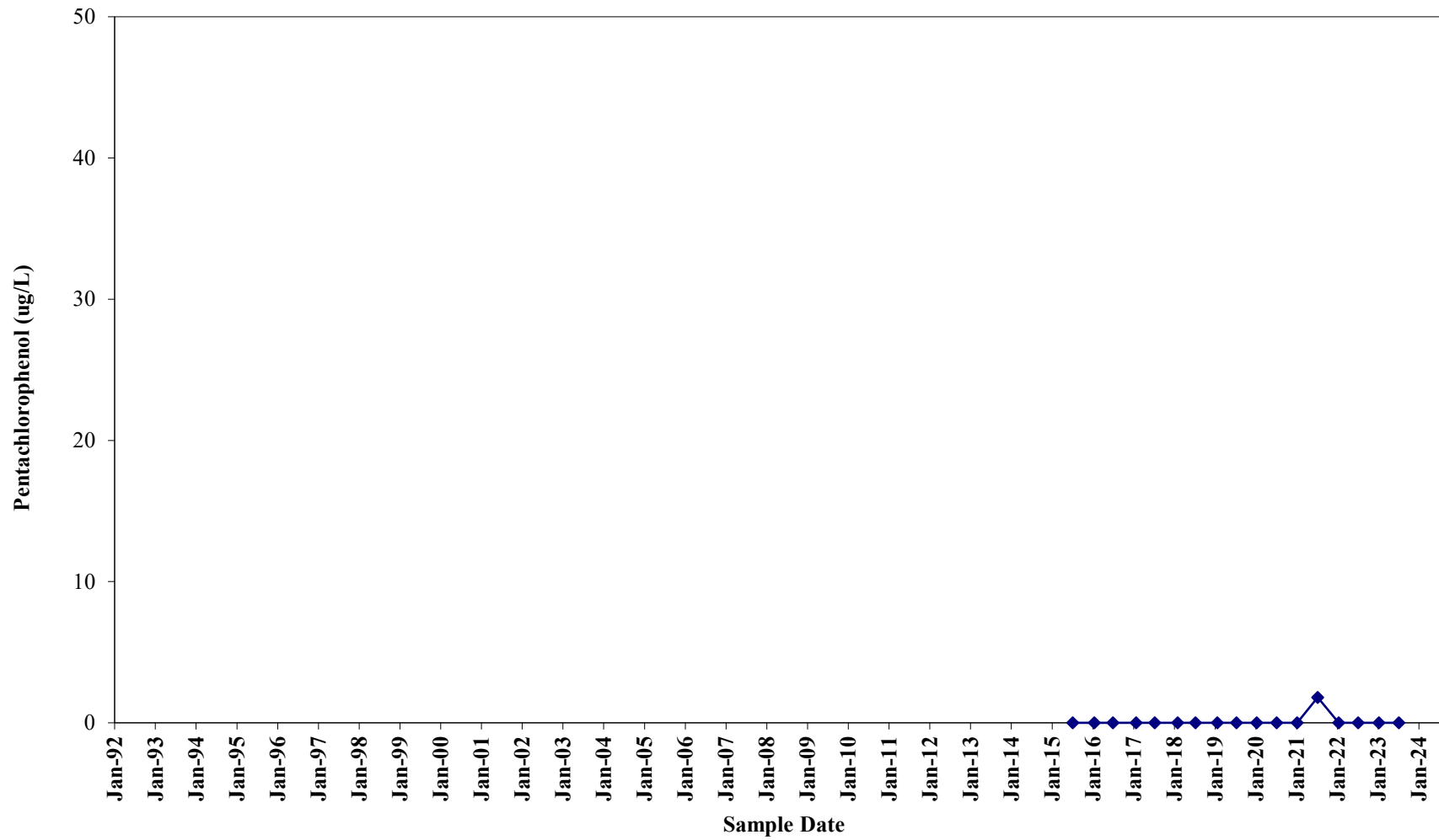
Well W71 installed in June 2015.

### Pentachlorophenol Concentrations Historical Groundwater Monitoring Well W72



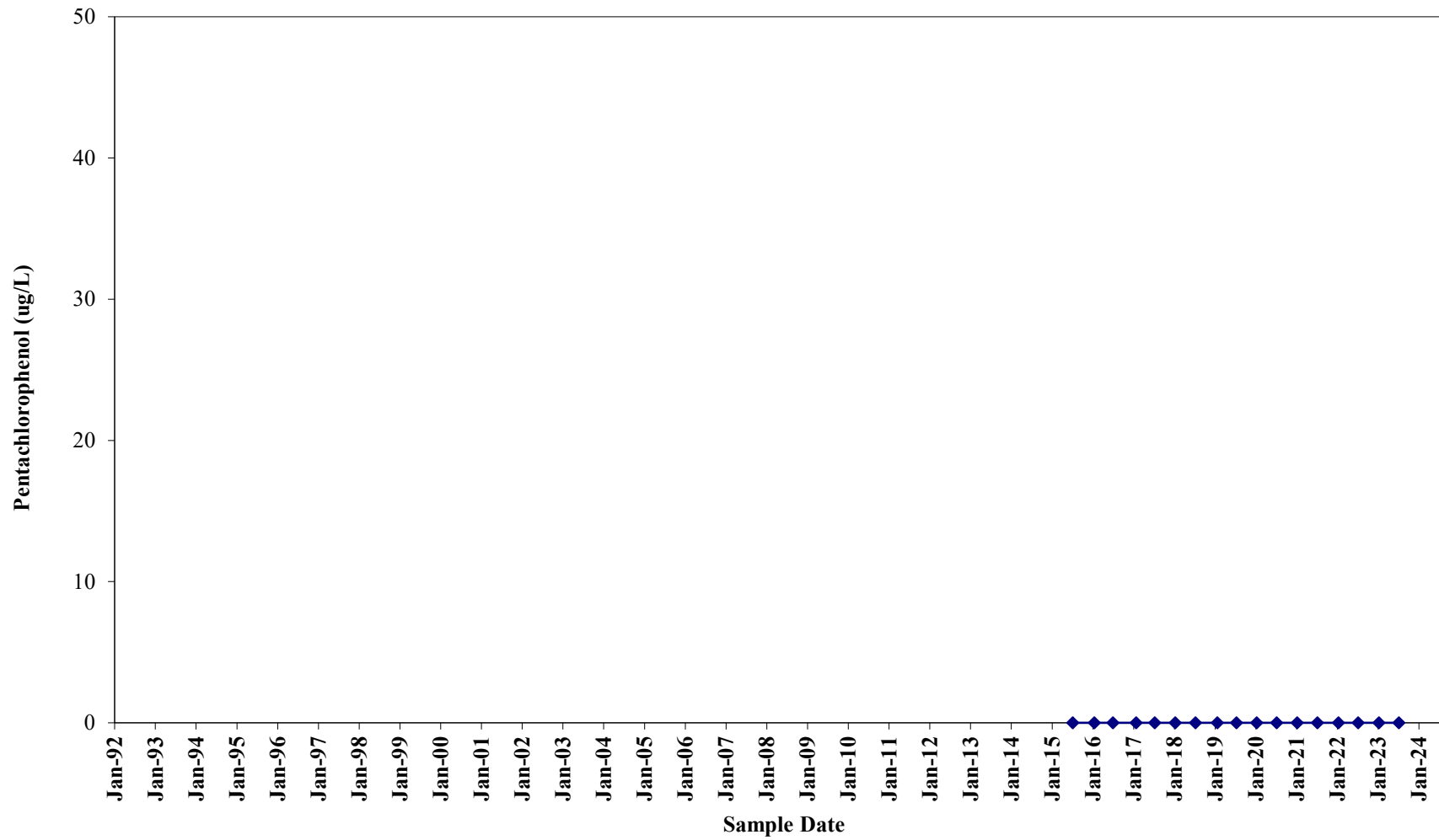
Well W72 installed in June 2015.

### Pentachlorophenol Concentrations Historical Groundwater Monitoring Well W73



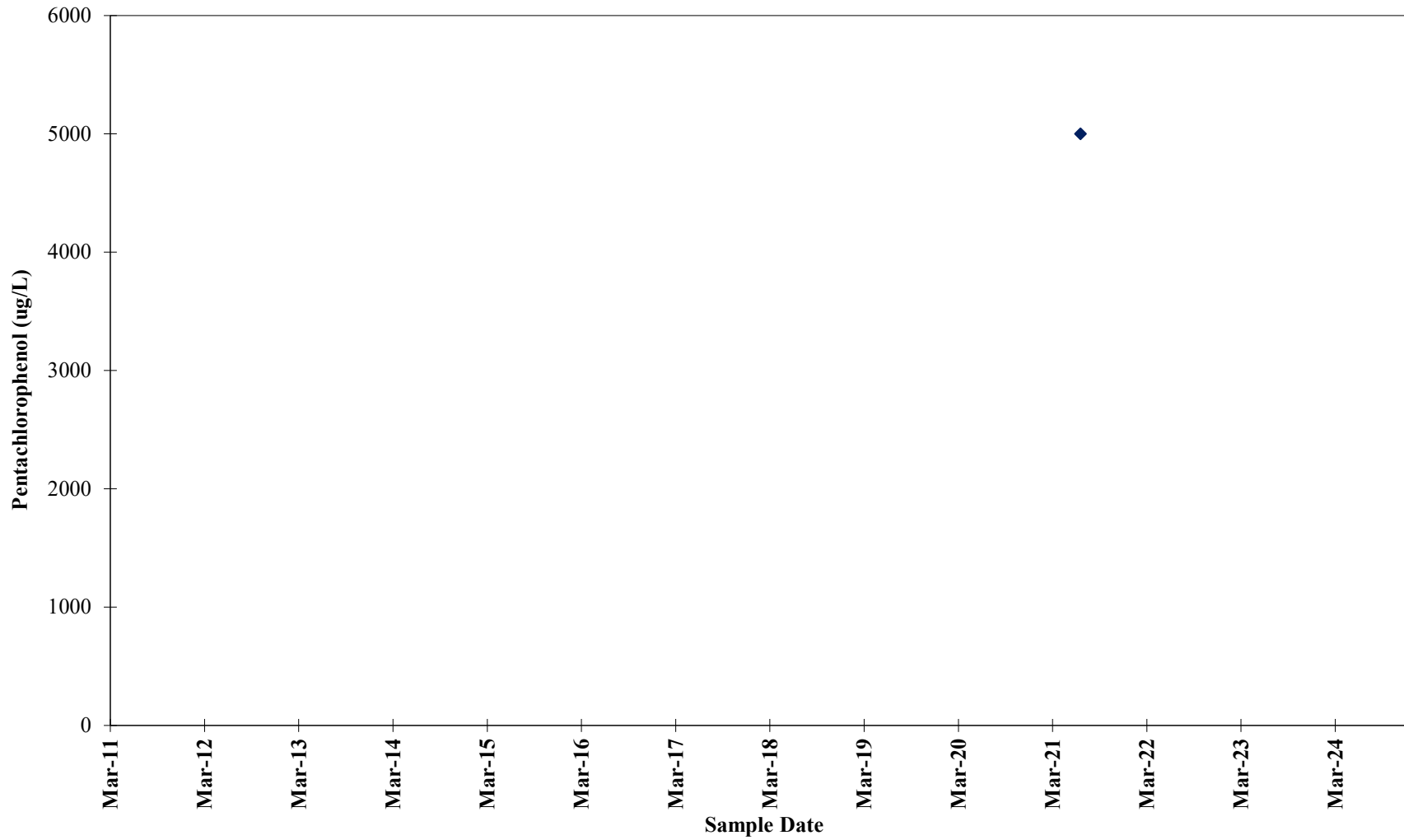
Well W73 installed in June 2015.

**Pentachlorophenol Concentrations  
Historical Groundwater Monitoring  
Well W74**



Well W74 installed in June 2015.

**Pentachlorophenol Concentrations  
Historical Groundwater Monitoring  
Well W44**



Sample first collected in March 2021 as part of the Bio-Trap Study.

**APPENDIX D**

**LABORATORY REPORT**

D1     January 2023  
D2     July 2023

**D1**

**January 2023**



**ANALYTICAL REPORT**

TRC ENVIRONMENTAL  
 BRUCE IVERSON  
 708 HEARTLAND TRAIL  
 MADISON, WI 53717

Project Name: WAULECO  
 Project Phase:  
 Contract #: 2399  
 Project #: 189597.0012  
 Folder #: 174722  
 Purchase Order #: 194539

Page 1 of 7  
 Arrival Temperature: 2.5  
 Report Date: 1/24/2023  
 Date Received: 1/10/2023  
 Reprint Date: 1/24/2023

CT LAB Sample#: 1279444	Sample Description: W71	Sampled: 1/9/2023 08:15
-------------------------	-------------------------	-------------------------

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Organic Results</b>										
Pentachlorophenol	<3.0	ug/L	0.91	3.1	1		1/12/2023 12:45	1/18/2023 13:01	ALD	EPA 8270D

CT LAB Sample#: 1279445	Sample Description: W72	Sampled: 1/9/2023 09:00
-------------------------	-------------------------	-------------------------

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Organic Results</b>										
Pentachlorophenol	<3.0	ug/L	0.94	3.2	1		1/12/2023 12:45	1/18/2023 13:25	ALD	EPA 8270D

CT LAB Sample#: 1279446	Sample Description: W74	Sampled: 1/9/2023 10:00
-------------------------	-------------------------	-------------------------

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Organic Results</b>										
Pentachlorophenol	<3.0	ug/L	0.94	3.2	1		1/12/2023 12:45	1/18/2023 13:49	ALD	EPA 8270D

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 1279447

Sample Description: W8

Sampled: 1/9/2023 10:50

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Inorganic Results</b>										
Nitrate Nitrogen Total	5.1	mg/L	0.12	0.4	1			1/10/2023 13:30	TMG	EPA 9056A
Total Sulfate	22	mg/L	0.8	2.5	1			1/10/2023 13:30	TMG	EPA 9056A
Total Organic Carbon	0.87	mg/L	0.4 *	1.3	1			1/11/2023 10:44	TMG	EPA 9060A
<b>Metals Results</b>										
Dissolved Iron	<27	ug/L	27	90	1			1/10/2023 17:41	NAH	EPA 6010C
Dissolved Manganese	<1.2	ug/L	1.2	5.0	1			1/10/2023 17:41	NAH	EPA 6010C
<b>Organic Results</b>										
TPH as Mineral Spirits	<34	ug/L	34	110	1		1/12/2023 10:00	1/19/2023 22:00	AJZ	EPA 8015
2,3,4,6-Tetrachlorophenol	<3.0	ug/L	0.74	2.5	1		1/12/2023 12:45	1/18/2023 14:13	ALD	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	0.93	3.1	1		1/12/2023 12:45	1/18/2023 14:13	ALD	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	0.87	3.0	1		1/12/2023 12:45	1/18/2023 14:13	ALD	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	0.95	3.2	1		1/12/2023 12:45	1/18/2023 14:13	ALD	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	0.52	1.8	1		1/12/2023 12:45	1/18/2023 14:13	ALD	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	1.0	3.5	1	Q	1/12/2023 12:45	1/18/2023 14:13	ALD	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	0.92	3.1	1		1/12/2023 12:45	1/18/2023 14:13	ALD	EPA 8270D
2-Chlorophenol	<3.0	ug/L	0.67	2.3	1		1/12/2023 12:45	1/18/2023 14:13	ALD	EPA 8270D
2-Methylphenol	<3.0	ug/L	0.56	1.9	1		1/12/2023 12:45	1/18/2023 14:13	ALD	EPA 8270D
2-Nitrophenol	<3.0	ug/L	0.77	2.6	1		1/12/2023 12:45	1/18/2023 14:13	ALD	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	0.94	3.1	1		1/12/2023 12:45	1/18/2023 14:13	ALD	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	1.6	5.4	1		1/12/2023 12:45	1/18/2023 14:13	ALD	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	0.70	2.4	1		1/12/2023 12:45	1/18/2023 14:13	ALD	EPA 8270D
4-Nitrophenol	<3.0	ug/L	0.50	1.7	1		1/12/2023 12:45	1/18/2023 14:13	ALD	EPA 8270D
Pentachlorophenol	<3.0	ug/L	0.90	3.0	1		1/12/2023 12:45	1/18/2023 14:13	ALD	EPA 8270D

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 1279447	Sample Description: W8	Sampled: 1/9/2023 10:50
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Phenol	<3.0	ug/L	0.41	1.4	1		1/12/2023 12:45	1/18/2023 14:13	ALD	EPA 8270D

CT LAB Sample#: 1279448	Sample Description: W73	Sampled: 1/9/2023 11:45
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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**Inorganic Results**

Total Sulfate	<b>26</b>	mg/L	0.8	2.5	1			1/10/2023 13:50	TMG	EPA 9056A
Total Organic Carbon	<b>1.1</b>	mg/L	0.4 *	1.3	1			1/11/2023 10:58	TMG	EPA 9060A

**Metals Results**

Dissolved Iron	<b>538</b>	ug/L	27	90	1			1/10/2023 18:03	NAH	EPA 6010C
Dissolved Manganese	<b>36.8</b>	ug/L	1.2	5.0	1			1/10/2023 18:03	NAH	EPA 6010C

**Organic Results**

TPH as Mineral Spirits	<33	ug/L	33	110	1		1/12/2023 10:00	1/19/2023 22:34	AJZ	EPA 8015
Pentachlorophenol	<3.0	ug/L	0.90	3.0	1		1/12/2023 12:45	1/18/2023 14:37	ALD	EPA 8270D

CT LAB Sample#: 1279449	Sample Description: W17	Sampled: 1/9/2023 12:50
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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**Inorganic Results**

Nitrate Nitrogen Total	<0.12	mg/L	0.12	0.4	1			1/10/2023 14:11	TMG	EPA 9056A
Total Sulfate	<b>5.1</b>	mg/L	0.8	2.5	1			1/10/2023 14:11	TMG	EPA 9056A
Total Organic Carbon	<b>2.0</b>	mg/L	0.4	1.3	1			1/11/2023 11:09	TMG	EPA 9060A

CT LAB Sample#: 1279449 Sample Description: W17

Sampled: 1/9/2023 12:50

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Metals Results</b>										
Dissolved Iron	437	ug/L	27	90	1			1/10/2023 18:10	NAH	EPA 6010C
Dissolved Manganese	434	ug/L	1.2	5.0	1			1/10/2023 18:10	NAH	EPA 6010C
<b>Organic Results</b>										
TPH as Mineral Spirits	890	ug/L	33	110	1		1/12/2023 10:00	1/19/2023 23:08	AJZ	EPA 8015
2,3,4,6-Tetrachlorophenol	2.0	ug/L	1.6 *	5.2	2		1/12/2023 12:45	1/18/2023 15:01	ALD	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	2.0	6.6	2		1/12/2023 12:45	1/18/2023 15:01	ALD	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	1.8	6.2	2		1/12/2023 12:45	1/18/2023 15:01	ALD	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	2.0	6.8	2		1/12/2023 12:45	1/18/2023 15:01	ALD	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	1.1	3.8	2		1/12/2023 12:45	1/18/2023 15:01	ALD	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	2.2	7.4	2	Q	1/12/2023 12:45	1/18/2023 15:01	ALD	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	1.9	6.6	2		1/12/2023 12:45	1/18/2023 15:01	ALD	EPA 8270D
2-Chlorophenol	<3.0	ug/L	1.4	4.8	2		1/12/2023 12:45	1/18/2023 15:01	ALD	EPA 8270D
2-Methylphenol	<3.0	ug/L	1.2	4.0	2		1/12/2023 12:45	1/18/2023 15:01	ALD	EPA 8270D
2-Nitrophenol	<3.0	ug/L	1.6	5.4	2		1/12/2023 12:45	1/18/2023 15:01	ALD	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	2.0	6.6	2		1/12/2023 12:45	1/18/2023 15:01	ALD	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	3.4	11	2		1/12/2023 12:45	1/18/2023 15:01	ALD	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	1.5	5.0	2		1/12/2023 12:45	1/18/2023 15:01	ALD	EPA 8270D
4-Nitrophenol	<3.0	ug/L	1.0	3.6	2		1/12/2023 12:45	1/18/2023 15:01	ALD	EPA 8270D
Pentachlorophenol	190	ug/L	9.5	32	10		1/12/2023 12:45	1/19/2023 10:57	ALD	EPA 8270D
Phenol	<3.0	ug/L	0.86	3.0	2		1/12/2023 12:45	1/18/2023 15:01	ALD	EPA 8270D

CT LAB Sample#: 1279450

Sample Description: W26R

Sampled: 1/9/2023 13:40

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Inorganic Results</b>										
Nitrate Nitrogen Total	0.22	mg/L	0.12 *	0.4	1			1/10/2023 14:31	TMG	EPA 9056A
Total Sulfate	5.8	mg/L	0.8	2.5	1			1/10/2023 14:31	TMG	EPA 9056A
Total Organic Carbon	3.3	mg/L	0.4	1.3	1			1/11/2023 11:22	TMG	EPA 9060A
<b>Metals Results</b>										
Dissolved Iron	114	ug/L	27	90	1			1/10/2023 18:18	NAH	EPA 6010C
Dissolved Manganese	196	ug/L	1.2	5.0	1			1/10/2023 18:18	NAH	EPA 6010C
<b>Organic Results</b>										
TPH as Mineral Spirits	42	ug/L	31 *	100	1		1/12/2023 10:00	1/19/2023 23:41	AJZ	EPA 8015
2,3,4,6-Tetrachlorophenol	4.4	ug/L	1.6 *	5.3	2		1/12/2023 12:45	1/19/2023 13:32	ALD	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	2.0	6.7	2		1/12/2023 12:45	1/19/2023 13:32	ALD	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	1.8	6.3	2		1/12/2023 12:45	1/19/2023 13:32	ALD	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	2.0	6.9	2		1/12/2023 12:45	1/19/2023 13:32	ALD	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	1.1	3.8	2		1/12/2023 12:45	1/19/2023 13:32	ALD	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	2.2	7.5	2	Q	1/12/2023 12:45	1/19/2023 13:32	ALD	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	2.0	6.7	2		1/12/2023 12:45	1/19/2023 13:32	ALD	EPA 8270D
2-Chlorophenol	<3.0	ug/L	1.4	4.8	2		1/12/2023 12:45	1/19/2023 13:32	ALD	EPA 8270D
2-Methylphenol	<3.0	ug/L	1.2	4.0	2		1/12/2023 12:45	1/19/2023 13:32	ALD	EPA 8270D
2-Nitrophenol	<3.0	ug/L	1.6	5.5	2		1/12/2023 12:45	1/19/2023 13:32	ALD	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	2.0	6.7	2		1/12/2023 12:45	1/19/2023 13:32	ALD	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	3.4	12	2		1/12/2023 12:45	1/19/2023 13:32	ALD	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	1.5	5.1	2		1/12/2023 12:45	1/19/2023 13:32	ALD	EPA 8270D
4-Nitrophenol	<3.0	ug/L	1.1	3.6	2		1/12/2023 12:45	1/19/2023 13:32	ALD	EPA 8270D
Pentachlorophenol	51	ug/L	1.9	6.5	2		1/12/2023 12:45	1/19/2023 13:32	ALD	EPA 8270D

CT LAB Sample#: 1279450

Sample Description: W26R

Sampled: 1/9/2023 13:40

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Phenol	<3.0	ug/L	0.87	3.0	2		1/12/2023 12:45	1/19/2023 13:32	ALD	EPA 8270D

Notes: \* Indicates a value in between the LOD (limit of detection) and the LOQ (limit of quantitation). All LOD/LOQs are adjusted to reflect dilution and also any differences in the sample weight / volume as compared to standard amounts.

All samples were received intact and properly preserved unless otherwise noted. The results reported relate only to the samples tested. This report shall not be reproduced, except in full, without written approval of this laboratory. The Chain of Custody is attached.

Submitted by: **Brett M. Szymanski**  
 Project Manager  
 608-356-2760

**QC Qualifiers**

<u>Code</u>	<u>Description</u>
B	Analyte detected in the associated Method Blank.
C	Toxicity present in BOD sample.
D	Diluted Out.
E	Safe, No Total Coliform detected.
F	Unsafe, Total Coliform detected, no E. Coli detected.
G	Unsafe, Total Coliform detected and E. Coli detected.
H	Holding time exceeded.
I	Incubator temperature was outside acceptance limits during test period.
J	Estimated value.
L	Significant peaks were detected outside the chromatographic window.
M	Matrix spike and/or Matrix Spike Duplicate recovery outside acceptance limits.
N	Insufficient BOD oxygen depletion.
O	Complete BOD oxygen depletion.
P	Concentration of analyte differs more than 40% between primary and confirmation analysis.
Q	Laboratory Control Sample outside acceptance limits.
R	See Narrative at end of report.
S	Surrogate standard recovery outside acceptance limits due to apparent matrix effects.
T	Sample received with improper preservation or temperature.
U	Analyte concentration was below detection limit.
V	Raised Quantitation or Reporting Limit due to limited sample amount or dilution for matrix background interference.
W	Sample amount received was below program minimum.
X	Analyte exceeded calibration range.
Y	Replicate/Duplicate precision outside acceptance limits.
Z	Specified calibration criteria was not met.

**Current CT Laboratories Certifications**

Wisconsin (WDNR) Chemistry ID# 157066030  
 Wisconsin (DATCP) Bacteriology ID# 289  
 Louisiana NELAP (primary) ID# 115843  
 Illinois NELAP Lab ID# 200073  
 Kansas NELAP Lab ID# E-10368  
 Virginia NELAP Lab ID# 460203  
 ISO/IEC 17025-2005 A2LA Cert # 3806.01  
 DoD-ELAP A2LA 3806.01

Company Name: TRC  
 Project Contact: Bruce Iverson  
 Telephone: 608-826-3644  
 Project Name: Wauleco  
 Project Number: 189597.0012  
 Project Location: Wausau, WI  
 Sampled By: Tom Dushek

# CTLaboratories

Mail Report To: Bruce Iverson  
 Company: TRC  
 Address: 708 Heartland Trail  
 City/State/Zip: Madison, WI 53717

Order # 174722  
 Company: TRC ENVIRONMENTAL  
 Project: WAULECO  
 Logged By: erc PM. BMS

1230 Lange Court, Baraboo, WI 53913  
 608-356-2760 Tel. Fx 608-356-2766  
 www.ctlaboratories.com

Ice Present  Yes  No

Temperature 1.9, 25, 14.7  
Initials HC

Date 1/9/23 Time 10:15  
Cooler # 5619, 6113

Invoice To: Accounts Payable  
 Company: TRC  
 Address:  
 City/State/Zip:

PO No.

Contract No.

Regulatory Program:  
 UST  RCRA  SDWA  NPDES  
 Solid Waste  Other \_\_\_\_\_

### Turnaround Time

Normal RUSH\* Date Needed \_\_\_\_\_

\*Notify Lab prior to sending in RUSH  
 Surcharges 24 hr 200% 2-3 days 100% 4-9 days 50%  
 Surcharges subject to change without notice.

### Landfill License Number

Collection Date	Time	Field Screen	Field ID	Grab/Comp	Sample ID Description	Fill'd Y/N
1/9/2023	0815			G	W71	N
	0900				W72	
	1000				W74	
	1050				W8	
	1145				W73	
	1250				W17	
	1340				W26R	

WdNR Well ID #	**Matrix:	TPH	TOC	Sulfate	Diss. Mn, Fe	Phenols (8270)	Nitrate	PCP (8270)	Total No of Containers	Total No of Cont. Rec'd	Preservation*
Fill in Spaces with Bottles per Test											
	GW							2	2		
								2	2		
								2	2		
			1	1	1	2	✓		6		
			1	1	1			2	6		
			1	1	1	2	✓		6		
			1	1	1	2	✓		6		
			A	C	A	D	A	A			

Client Special Instructions:  
 Metals are filtered.

Lab ID #

1279444  
 48  
 46  
 47  
 48  
 49  
 50

Relinquished By: T. J. Dushek Date/Time: 1/9/2023 1600  
 Received by: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Relinquished By: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Received by: Fr Date/Time: 1/10/23 1057

**\*\*Matrix**  
 S-Soil A-Air Slg-Sludge M-Misc Waste  
 GW-Groundwater SW-Surface Water  
 WW-Wastewater DW-Drinking Water

**\* Preservation Code**  
 A=None B=HCL  
 C=H2SO4 D=HNO3  
 E=Encore F=Methanol  
 G=NaOH  
 O=Other \_\_\_\_\_



Ice Present Yes No  
 Temperature 1.9 per 7  
 Initials JK  
 Date 11/22/23 Time 10:15  
 Cooler # 5619

**TOM DUSHEK**  
 6085096607  
 125 WEST ROSECRANS STREET  
 WAUSAU WI 54401

**SHIP TO:**  
**JOEL SERSTAD**  
 608-356-2760  
 CT LABORATORIES  
 1230 LANGE CT  
**BARABOO WI 53913**

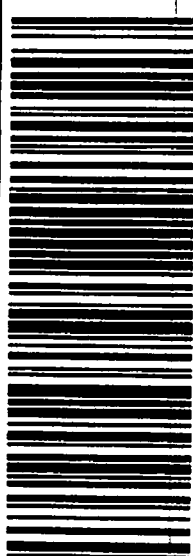

**H**  
**WI 539 0-10**

**UPS GROUND**  
 TRACKING #: 1Z 1A3 77E 03 9321 5554

**BILLING: P/P**

XOL 23.1230 NWS 2.0A 01/2023

**100 LBS**  
**AH**  
**2 OF 2**

**CUSTODY SEAL**

DATE 11-9-23

SIGNATURE T.J. Dushak

**QEC**  
 Quality Environmental Containers  
 800-255-3950 • www.qecusa.com

**CUSTODY SEAL**

DATE 11-9-23

SIGNATURE T.J. Dushak

**QEC**  
 Quality Environmental Containers  
 800-255-3950 • www.qecusa.com

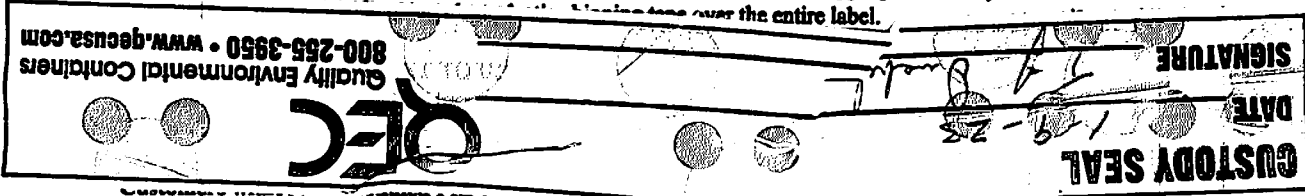
1. Ensure there are no other shipping or tracking labels attached to your package. Select the Print button on the print dialogue box that appears. Note: If your browser does not support this function, select Print from the File menu to print the label.
2. Fold the printed label at the solid line below. Place the label in a UPS Shipping Pouch. If you do not have a pouch, affix the folded label using clear plastic shipping tape over the entire label.

View/Print Label

# View/Print Label

1. Ensure there are no other shipping or tracking labels attached to your package. Select the Print button on the print dialog box that appears. Note: If your browser does not support this function, select Print from the File menu to print the label.

2. Fold the printed label at the solid line below. Place the label in a UPS Shipping Pouch. If you do not have a Shipping Pouch, place the label in a shipping container and place the label over the entire label.

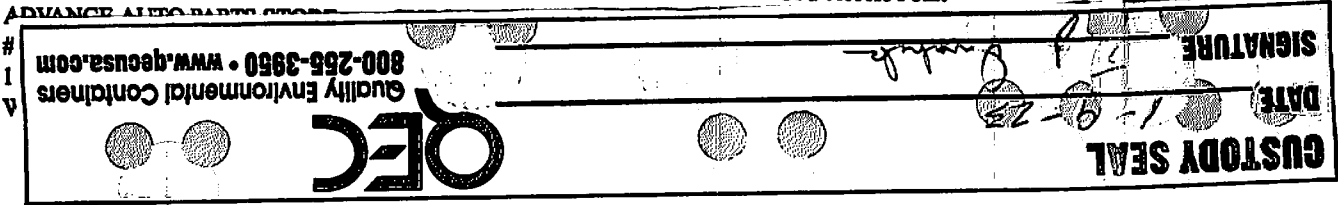


- o Schedule a Pickup on ups.com to have a UPS driver pickup all of your packages.
- o Take your package to any location of The UPS Store®, UPS Access Point(TM) location, UPS Drop Box, UPS Customer Center, Staples® or Authorized Shipping Outlet near you. To find the location nearest you, please visit the 'Locations' Quick link at ups.com.

UPS Access Point™

UPS Access Point™

UPS Access Point™



100 LBS  
AH

1 OF 2

TOM DUSHEK  
6085096007  
1 KC  
125 WEST ROSECRANS STREET  
WAUSAU WI 54401

SHIP TO:  
JODI SERSTAD  
608-356-2760  
CT LABORATORIES  
1230 LANGE CT  
BARABOO WI 53913

**H**

**WI 539 0-10**

**UPS GROUND**

TRACKING #: 1Z 1A3 77E 03 9341 6542

**BILLING: P/P**

XOL 22.12.20 NWS 2.0A 01/2023\*

Ice Present  No

Temperature 7.5 1/17

Initials Jc

Time 11:00 AM

Date 1/15/23

# 6113

**ANALYTICAL REPORT**

TRC ENVIRONMENTAL  
 BRUCE IVERSON  
 708 HEARTLAND TRAIL  
 MADISON, WI 53717

Project Name: WAULECO  
 Project Phase:  
 Contract #: 2399  
 Project #: 189597.0012  
 Folder #: 174752  
 Purchase Order #: 194539

Page 1 of 7  
 Arrival Temperature: 5.8  
 Report Date: 1/24/2023  
 Date Received: 1/11/2023  
 Reprint Date: 1/24/2023

CT LAB Sample#: 1279632	Sample Description: W16	Sampled: 1/10/2023 08:00
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Inorganic Results</b>										
Total Sulfate	22	mg/L	0.8	2.5	1			1/11/2023 15:51	TMG	EPA 9056A
Total Organic Carbon	1.5	mg/L	0.4	1.3	1			1/13/2023 12:49	TMG	EPA 9060A
<b>Metals Results</b>										
Dissolved Iron	<27	ug/L	27	90	1			1/11/2023 21:18	NAH	EPA 6010C
Dissolved Manganese	<1.2	ug/L	1.2	5.0	1			1/11/2023 21:18	NAH	EPA 6010C
<b>Organic Results</b>										
TPH as Mineral Spirits	<31	ug/L	31	100	1		1/12/2023 10:00	1/20/2023 00:15	AJZ	EPA 8015

CT LAB Sample#: 1279633	Sample Description: W12	Sampled: 1/10/2023 08:50
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Inorganic Results</b>										
Total Sulfate	23	mg/L	0.8	2.5	1			1/11/2023 16:11	TMG	EPA 9056A
Total Organic Carbon	0.99	mg/L	0.4 *	1.3	1			1/13/2023 13:03	TMG	EPA 9060A

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 1279633 Sample Description: W12 Sampled: 1/10/2023 08:50

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Metals Results</b>										
Dissolved Iron	<27	ug/L	27	90	1			1/11/2023 21:40	NAH	EPA 6010C
Dissolved Manganese	<1.2	ug/L	1.2	5.0	1			1/11/2023 21:40	NAH	EPA 6010C
<b>Organic Results</b>										
TPH as Mineral Spirits	<33	ug/L	33	110	1		1/12/2023 10:00	1/20/2023 00:49	AJZ	EPA 8015

CT LAB Sample#: 1279634 Sample Description: W18 Sampled: 1/10/2023 09:50

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Inorganic Results</b>										
Total Sulfate	8.0	mg/L	0.8	2.5	1			1/11/2023 16:31	TMG	EPA 9056A
Total Organic Carbon	0.49	mg/L	0.4 *	1.3	1			1/13/2023 13:16	TMG	EPA 9060A
<b>Metals Results</b>										
Dissolved Iron	<27	ug/L	27	90	1			1/11/2023 22:08	NAH	EPA 6010C
Dissolved Manganese	2.1	ug/L	1.2 *	5.0	1			1/11/2023 22:08	NAH	EPA 6010C
<b>Organic Results</b>										
TPH as Mineral Spirits	<33	ug/L	33	110	1		1/12/2023 10:00	1/20/2023 01:23	AJZ	EPA 8015

CT LAB Sample#: 1279635 Sample Description: W28 Sampled: 1/10/2023 10:40

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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**Inorganic Results**

CT LAB Sample#: 1279635	Sample Description: W28	Sampled: 1/10/2023 10:40
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Total Sulfate	14	mg/L	0.8	2.5	1			1/11/2023 16:51	TMG	EPA 9056A
Total Organic Carbon	<0.4	mg/L	0.4	1.3	1			1/13/2023 13:29	TMG	EPA 9060A
<b>Metals Results</b>										
Dissolved Iron	<27	ug/L	27	90	1			1/11/2023 22:16	NAH	EPA 6010C
Dissolved Manganese	1.3	ug/L	1.2 *	5.0	1			1/11/2023 22:16	NAH	EPA 6010C
<b>Organic Results</b>										
TPH as Mineral Spirits	<32	ug/L	32	110	1		1/12/2023 10:00	1/20/2023 03:38	AJZ	EPA 8015

CT LAB Sample#: 1279636	Sample Description: W11	Sampled: 1/10/2023 11:20
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Inorganic Results</b>										
Total Sulfate	7.6	mg/L	0.8	2.5	1			1/11/2023 17:11	TMG	EPA 9056A
Total Organic Carbon	0.80	mg/L	0.4 *	1.3	1			1/13/2023 13:42	TMG	EPA 9060A
<b>Metals Results</b>										
Dissolved Iron	<27	ug/L	27	90	1			1/11/2023 22:23	NAH	EPA 6010C
Dissolved Manganese	578	ug/L	1.2	5.0	1			1/11/2023 22:23	NAH	EPA 6010C
<b>Organic Results</b>										
TPH as Mineral Spirits	72	ug/L	33 *	110	1		1/12/2023 10:00	1/20/2023 04:12	AJZ	EPA 8015

CT LAB Sample#: 1279637	Sample Description: W25	Sampled: 1/10/2023 12:05
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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CT LAB Sample#: 1279637    Sample Description: W25    Sampled: 1/10/2023 12:05

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Inorganic Results</b>										
Nitrate Nitrogen Total	6.1	mg/L	0.12	0.4	1			1/11/2023 17:32	TMG	EPA 9056A
<b>Organic Results</b>										
2,3,4,6-Tetrachlorophenol	<3.0	ug/L	0.77	2.6	1		1/12/2023 12:45	1/18/2023 15:49	ALD	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	0.97	3.3	1		1/12/2023 12:45	1/18/2023 15:49	ALD	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	0.90	3.1	1		1/12/2023 12:45	1/18/2023 15:49	ALD	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	0.99	3.4	1		1/12/2023 12:45	1/18/2023 15:49	ALD	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	0.54	1.9	1		1/12/2023 12:45	1/18/2023 15:49	ALD	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	1.1	3.7	1	Q	1/12/2023 12:45	1/18/2023 15:49	ALD	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	0.96	3.3	1		1/12/2023 12:45	1/18/2023 15:49	ALD	EPA 8270D
2-Chlorophenol	<3.0	ug/L	0.69	2.4	1		1/12/2023 12:45	1/18/2023 15:49	ALD	EPA 8270D
2-Methylphenol	<3.0	ug/L	0.58	2.0	1		1/12/2023 12:45	1/18/2023 15:49	ALD	EPA 8270D
2-Nitrophenol	<3.0	ug/L	0.80	2.7	1		1/12/2023 12:45	1/18/2023 15:49	ALD	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	0.98	3.3	1		1/12/2023 12:45	1/18/2023 15:49	ALD	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	1.7	5.6	1		1/12/2023 12:45	1/18/2023 15:49	ALD	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	0.72	2.5	1		1/12/2023 12:45	1/18/2023 15:49	ALD	EPA 8270D
4-Nitrophenol	<3.0	ug/L	0.51	1.8	1		1/12/2023 12:45	1/18/2023 15:49	ALD	EPA 8270D
Pentachlorophenol	2.7	ug/L	0.94 *	3.2	1		1/12/2023 12:45	1/18/2023 15:49	ALD	EPA 8270D
Phenol	<3.0	ug/L	0.43	1.5	1		1/12/2023 12:45	1/18/2023 15:49	ALD	EPA 8270D

CT LAB Sample#: 1279638    Sample Description: W29R    Sampled: 1/10/2023 13:05

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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**Inorganic Results**

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 1279638    Sample Description: W29R    Sampled: 1/10/2023 13:05

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Total Sulfate	6.0	mg/L	0.8	2.5	1			1/11/2023 18:32	TMG	EPA 9056A
Total Organic Carbon	4.7	mg/L	0.4	1.3	1			1/13/2023 13:57	TMG	EPA 9060A
<b>Metals Results</b>										
Dissolved Iron	44.4	ug/L	27 *	90	1			1/11/2023 22:31	NAH	EPA 6010C
Dissolved Manganese	108	ug/L	1.2	5.0	1			1/11/2023 22:31	NAH	EPA 6010C
<b>Organic Results</b>										
TPH as Mineral Spirits	<32	ug/L	32	110	1		1/12/2023 10:00	1/20/2023 04:46	AJZ	EPA 8015

CT LAB Sample#: 1279639    Sample Description: W10A    Sampled: 1/10/2023 14:10

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Inorganic Results</b>										
Total Sulfate	4.6	mg/L	0.8	2.5	1			1/11/2023 20:13	TMG	EPA 9056A
Total Organic Carbon	6.1	mg/L	0.4	1.3	1			1/13/2023 14:09	TMG	EPA 9060A
<b>Metals Results</b>										
Dissolved Iron	2580	ug/L	27	90	1			1/11/2023 22:39	NAH	EPA 6010C
Dissolved Manganese	3670	ug/L	1.2	5.0	1			1/11/2023 22:39	NAH	EPA 6010C
<b>Organic Results</b>										
TPH as Mineral Spirits	640	ug/L	31	100	1		1/12/2023 10:00	1/20/2023 05:19	AJZ	EPA 8015
Pentachlorophenol	65	ug/L	1.8	6.0	2		1/12/2023 12:45	1/19/2023 12:12	ALD	EPA 8270D

CT LAB Sample#: 1279640

Sample Description: W10A DUP

Sampled: 1/10/2023 14:10

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Inorganic Results</b>										
Total Sulfate	4.8	mg/L	0.8	2.5	1			1/11/2023 20:34	TMG	EPA 9056A
Total Organic Carbon	5.9	mg/L	0.4	1.3	1			1/13/2023 14:20	TMG	EPA 9060A
<b>Metals Results</b>										
Dissolved Iron	2570	ug/L	27	90	1			1/11/2023 22:47	NAH	EPA 6010C
Dissolved Manganese	3660	ug/L	1.2	5.0	1			1/11/2023 22:47	NAH	EPA 6010C
<b>Organic Results</b>										
TPH as Mineral Spirits	620	ug/L	31	100	1		1/12/2023 10:00	1/20/2023 05:53	AJZ	EPA 8015
Pentachlorophenol	60	ug/L	1.8	6.0	2		1/12/2023 12:45	1/19/2023 12:37	ALD	EPA 8270D



Notes: \* Indicates a value in between the LOD (limit of detection) and the LOQ (limit of quantitation). All LOD/LOQs are adjusted to reflect dilution and also any differences in the sample weight / volume as compared to standard amounts.

All samples were received intact and properly preserved unless otherwise noted. The results reported relate only to the samples tested. This report shall not be reproduced, except in full, without written approval of this laboratory. The Chain of Custody is attached.

Submitted by: Brett M. Szymanski  
 Project Manager  
 608-356-2760

**QC Qualifiers**

<u>Code</u>	<u>Description</u>
B	Analyte detected in the associated Method Blank.
C	Toxicity present in BOD sample.
D	Diluted Out.
E	Safe, No Total Coliform detected.
F	Unsafe, Total Coliform detected, no E. Coli detected.
G	Unsafe, Total Coliform detected and E. Coli detected.
H	Holding time exceeded.
I	Incubator temperature was outside acceptance limits during test period.
J	Estimated value.
L	Significant peaks were detected outside the chromatographic window.
M	Matrix spike and/or Matrix Spike Duplicate recovery outside acceptance limits.
N	Insufficient BOD oxygen depletion.
O	Complete BOD oxygen depletion.
P	Concentration of analyte differs more than 40% between primary and confirmation analysis.
Q	Laboratory Control Sample outside acceptance limits.
R	See Narrative at end of report.
S	Surrogate standard recovery outside acceptance limits due to apparent matrix effects.
T	Sample received with improper preservation or temperature.
U	Analyte concentration was below detection limit.
V	Raised Quantitation or Reporting Limit due to limited sample amount or dilution for matrix background interference.
W	Sample amount received was below program minimum.
X	Analyte exceeded calibration range.
Y	Replicate/Duplicate precision outside acceptance limits.
Z	Specified calibration criteria was not met.

**Current CT Laboratories Certifications**

Wisconsin (WDNR) Chemistry ID# 157066030  
 Wisconsin (DATCP) Bacteriology ID# 289  
 Louisiana NELAP (primary) ID# 115843  
 Illinois NELAP Lab ID# 200073  
 Kansas NELAP Lab ID# E-10368  
 Virginia NELAP Lab ID# 460203  
 ISO/IEC 17025-2005 A2LA Cert # 3806.01  
 DoD-ELAP A2LA 3806.01

Company Name: TRC  
 Project Contact: Bruce Iverson  
 Telephone: 608-826-3644  
 Project Name: Wauleco  
 Project Number: 189597.0012  
 Project Location: Wausau, WI  
 Sampled By: Tom Dushek

# CTLaboratories

Mail Report To: Bruce Iverson  
 Company: TRC  
 Address: 708 Heartland Trail  
 City/State/Zip: Madison, WI 53717

1230 Lange Court, Baraboo, WI 53913  
 608-356-2760 Tel. Fx 608-356-2766  
 www.ctlaboratories.com

Folder #: 174752  
 Company: TRC ENVIRONMENTAL  
 Project: WAULECO

Ice Present Yes No

Temperature 52, 5-8 m  
 Initials m

Date 1/10/23 Time 1:10  
 Cooler # 6500 6574

Invoice To: Accounts Payable  
 Company: TRC  
 Address:  
 City/State/Zip:  
 PO No. 194539

Regulatory Program:  
 UST RCRA SDWA NPDES  
 Solid Waste Other     

Contract No.

**Turnaround Time**

Normal RUSH\* Date Needed     

\*Notify Lab prior to sending in RUSH  
 Surcharges 24 hr 200% 2-3 days 100% 4-9 days 50%  
 Surcharges subject to change without notice.

**Landfill License Number**

Collection Date	Time	Field Screen	Field ID	Grab/Comp	Sample ID Description	Filt'd Y/N
1/10/2023	0800			G	W16	N
	0850				W12	
	0950				W18	
	1040				W28	
	1120				W11	
	1205				W25	
	1305				W29R	
	1410				W10A	
	1410				W10A Dup	

WDNR Well ID #	**Matrix:	TPH	TOC	Sulfate	Diss. Mn, Fe	Phenols (8270)	Nitrate	PCP (8270) ONLY	Total No of Containers	Total No of Cont. Rec'd	Preservation*
	GW	/	/	/	/				4		
		/	/	/	/				4		
		/	/	/	/				4		
		/	/	/	/				4		
		/	/	/	/				4		
		/	/	/	/	2	1		3		
		/	/	/	/				4		
		/	/	/	/			2	6		
		/	/	/	/			2	6		
	A	C	A	D	A	A	A				

Client Special Instructions:  
 Metals are filtered.

Lab ID #  
 1279632  
 33  
 34  
 35  
 36  
 37  
 38  
 39  
 40

Relinquished By: J.D. Dushek Date/Time: 1/10/23 1600  
 Received by: EMC Date/Time: 1/10/23 1020

**\*\*Matrix**  
 S-Soil A-Air Slg-Sludge M-Misc Waste  
 GW-Groundwater SW-Surface Water  
 WW-Wastewater DW-Drinking Water

**\* Preservation Code**  
 A=None B=HCL  
 C=H2SO4 D=HNO3  
 E=Encore F=Methanol  
 G=NaOH  
 O=Other

**View/Print Label**

1. Ensure there are no other shipping or tracking labels attached to your package. Select the Print button on the print dialogue box that appears. Note: If your browser does not support this function, select Print from the File menu to print the label.
2. Fold the printed label at the solid line below. Place the label in a UPS Shipping Pouch. If you do not have a pouch, affix the folded label using clear plastic shipping tape over the entire label.

Quality Environmental Containers  
800-255-3950 • www.qecusa.com

**QEC**

**CUSTODY SEAL**

DATE: 1-10-23

SIGNATURE: *[Signature]*

Take your package to any location of The UPS Store®, UPS Access Point (TM) location, UPS Drop Box, UPS Customer Center, Staples® or Authorized Shipping Outlet near you. To find the location nearest you, please visit the 'Locations' Quick link at ups.com.

UPS Access Point™  
ADVANCE AUTO PARTS STORE  
#4703  
1020 S 17TH AVE

UPS Access Point™  
CVS STORE # 10172

UPS Access Point™  
GOIN POSTAL

102 CENTRAL BRIDGE

Quality Environmental Containers  
800-255-3950 • www.qecusa.com

**QEC**

**CUSTODY SEAL**

DATE: 1-10-23

SIGNATURE: *[Signature]*

50 LBS

2 OF 2

SHIP TO:  
JODI SERSTAD  
608-356-2760  
CT LABORATORIES  
1230 LANGE CT  
BARABOO WI 53913

**WI 539 0-10**

**UPS GROUND**

TRACKING #: 1Z 1A3 77E 03 9903 8397

BILLING: P/P

XOL 22-12-20 NV/AS 2.0A 01/17/023\*

Ice Present  No

Temperature 5.7

Initials *[Signature]*

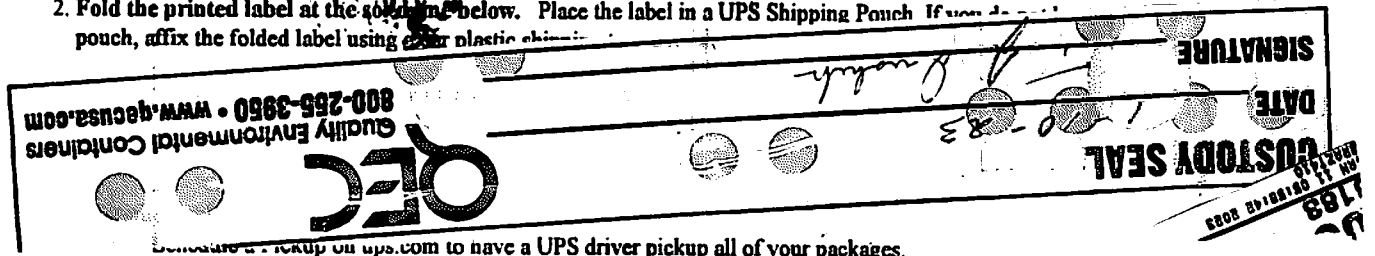
Date 1/10/23

Time 1:10

Sheet # 2959

# View/Print Label

1. Ensure there are no other shipping or tracking labels attached to your package. Select the Print button on the print dialogue box that appears. Note: If your browser does not support this function, select Print from the File menu to print the label.
2. Fold the printed label at the fold line below. Place the label in a UPS Shipping Pouch. If you do not have a shipping pouch, affix the folded label using clear plastic shipping tape.

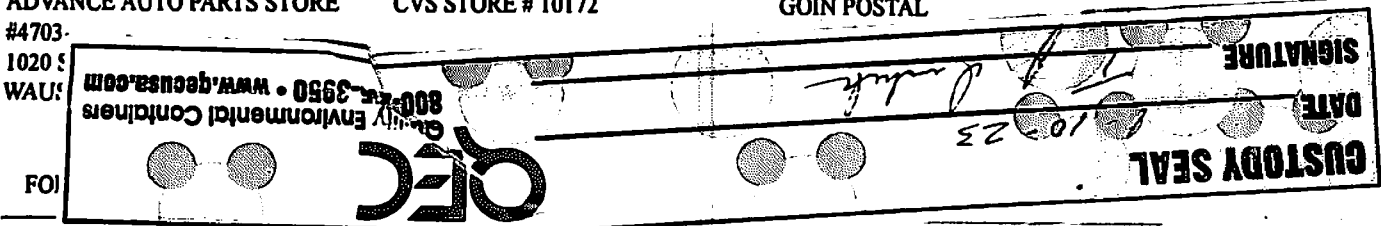


- Take your package to any location of The UPS Store®, UPS Access Point(TM) location, UPS Drop Box, UPS Customer Center, Staples® or Authorized Shipping Outlet near you. To find the location nearest you, please visit the 'Locations' Quick link at ups.com.

UPS Access Point™  
ADVANCE AUTO PARTS STORE  
#4703-1020  
WAUWATAMUN

UPS Access Point™  
CVS STORE # 10172

UPS Access Point™  
GOIN POSTAL



50 LBS

1 OF 2

**SHIP TO:**  
 JODI SERSTAD  
 608-356-2760  
 CT LABORATORIES  
 1230 LANGE CT  
 BARABOO WI 53913

**WI 539 0-10**

**UPS GROUND**

TRACKING #: 1Z 1A3 77E 03 9856 8183

**BILLING: P/P**

XOL 22.12.20 NY/15 2.0A 01/2023™

Ice Present  Yes  No

Temperature 5-8

Initials JS

Date 11/13 Time 1:10

Order # 6478

**ANALYTICAL REPORT**

TRC ENVIRONMENTAL  
 BRUCE IVERSON  
 708 HEARTLAND TRAIL  
 MADISON, WI 53717

Project Name: WAULECO  
 Project Phase:  
 Contract #: 2399  
 Project #: 189597.0012  
 Folder #: 174782  
 Purchase Order #: 194539

Page 1 of 7  
 Arrival Temperature: 3  
 Report Date: 1/24/2023  
 Date Received: 1/12/2023  
 Reprint Date: 1/24/2023

CT LAB Sample#: 1279890	Sample Description: PW17	Sampled: 1/11/2023 08:25
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Inorganic Results</b>										
Total Sulfate	13	mg/L	0.80	2.5	1			1/12/2023 14:47	TMG	EPA 9056A
Total Organic Carbon	14	mg/L	0.4	1.3	1			1/13/2023 16:52	TMG	EPA 9060A
<b>Metals Results</b>										
Dissolved Iron	8460	ug/L	27	90	1			1/12/2023 15:46	NAH	EPA 6010C
Dissolved Manganese	2380	ug/L	1.2	5.0	1			1/12/2023 15:46	NAH	EPA 6010C
<b>Organic Results</b>										
TPH as Mineral Spirits	230	ug/L	32	110	1		1/12/2023 10:00	1/20/2023 06:27	AJZ	EPA 8015

CT LAB Sample#: 1279898	Sample Description: FP2	Sampled: 1/11/2023 08:05
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Inorganic Results</b>										
Total Sulfate	1.6	mg/L	0.80 *	2.5	1			1/12/2023 15:07	TMG	EPA 9056A
Total Organic Carbon	6.9	mg/L	0.4	1.3	1			1/13/2023 14:32	TMG	EPA 9060A

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 1279898	Sample Description: FP2	Sampled: 1/11/2023 08:05
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Metals Results</b>										
Dissolved Iron	16900	ug/L	27	90	1			1/12/2023 16:14	NAH	EPA 6010C
Dissolved Manganese	7210	ug/L	1.2	5.0	1			1/12/2023 16:14	NAH	EPA 6010C
<b>Organic Results</b>										
TPH as Mineral Spirits	2400	ug/L	32	110	1		1/12/2023 10:00	1/20/2023 07:01	AJZ	EPA 8015

CT LAB Sample#: 1279899	Sample Description: W13	Sampled: 1/11/2023 09:30
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Inorganic Results</b>										
Nitrate Nitrogen Total	1.0	mg/L	0.12	0.40	1			1/12/2023 15:27	TMG	EPA 9056A
Total Sulfate	13	mg/L	0.80	2.5	1			1/12/2023 15:27	TMG	EPA 9056A
Total Organic Carbon	1.1	mg/L	0.4 *	1.3	1			1/13/2023 14:43	TMG	EPA 9060A
<b>Metals Results</b>										
Dissolved Iron	51.6	ug/L	27 *	90	1			1/12/2023 16:22	NAH	EPA 6010C
Dissolved Manganese	2.8	ug/L	1.2 *	5.0	1			1/12/2023 16:22	NAH	EPA 6010C
<b>Organic Results</b>										
TPH as Mineral Spirits	<31	ug/L	31	100	1		1/12/2023 10:00	1/20/2023 07:35	AJZ	EPA 8015
2,3,4,6-Tetrachlorophenol	<3.0	ug/L	0.79	2.6	1		1/12/2023 12:45	1/18/2023 17:01	ALD	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	0.99	3.3	1		1/12/2023 12:45	1/18/2023 17:01	ALD	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	0.92	3.1	1		1/12/2023 12:45	1/18/2023 17:01	ALD	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	1.0	3.4	1		1/12/2023 12:45	1/18/2023 17:01	ALD	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	0.56	1.9	1		1/12/2023 12:45	1/18/2023 17:01	ALD	EPA 8270D

CT LAB Sample#: 1279899    Sample Description: W13    Sampled: 1/11/2023 09:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,4-Dinitrophenol	<3.0	ug/L	1.1	3.7	1	Q	1/12/2023 12:45	1/18/2023 17:01	ALD	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	0.98	3.3	1		1/12/2023 12:45	1/18/2023 17:01	ALD	EPA 8270D
2-Chlorophenol	<3.0	ug/L	0.71	2.4	1		1/12/2023 12:45	1/18/2023 17:01	ALD	EPA 8270D
2-Methylphenol	<3.0	ug/L	0.60	2.0	1		1/12/2023 12:45	1/18/2023 17:01	ALD	EPA 8270D
2-Nitrophenol	<3.0	ug/L	0.82	2.7	1		1/12/2023 12:45	1/18/2023 17:01	ALD	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	1.0	3.3	1		1/12/2023 12:45	1/18/2023 17:01	ALD	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	1.7	5.8	1		1/12/2023 12:45	1/18/2023 17:01	ALD	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	0.74	2.5	1		1/12/2023 12:45	1/18/2023 17:01	ALD	EPA 8270D
4-Nitrophenol	<3.0	ug/L	0.53	1.8	1		1/12/2023 12:45	1/18/2023 17:01	ALD	EPA 8270D
Pentachlorophenol	<3.0	ug/L	0.96	3.2	1		1/12/2023 12:45	1/18/2023 17:01	ALD	EPA 8270D
Phenol	<3.0	ug/L	0.43	1.5	1		1/12/2023 12:45	1/18/2023 17:01	ALD	EPA 8270D

CT LAB Sample#: 1279900    Sample Description: DF0MW5    Sampled: 1/11/2023 10:20

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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**Organic Results**

Pentachlorophenol	<3.0	ug/L	0.92	3.1	1		1/12/2023 12:45	1/18/2023 17:26	ALD	EPA 8270D
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CT LAB Sample#: 1279901    Sample Description: DF0MW11    Sampled: 1/11/2023 11:15

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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**Organic Results**

Pentachlorophenol	<b>280</b>	ug/L	9.1	31	10		1/12/2023 12:45	1/18/2023 17:50	ALD	EPA 8270D
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CT LAB Sample#: 1279902	Sample Description: DF0MW11 DUP	Sampled: 1/11/2023 11:15
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Organic Results</b>										
Pentachlorophenol	270	ug/L	9.1	31	10		1/12/2023 12:45	1/18/2023 18:14	ALD	EPA 8270D

CT LAB Sample#: 1279903	Sample Description: DF0MW12	Sampled: 1/11/2023 11:50
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Organic Results</b>										
Pentachlorophenol	1400	ug/L	90	300	100		1/12/2023 12:45	1/18/2023 18:38	ALD	EPA 8270D

CT LAB Sample#: 1279904	Sample Description: W3A	Sampled: 1/11/2023 13:10
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Inorganic Results</b>										
Nitrate Nitrogen Total	<0.12	mg/L	0.12	0.40	1			1/12/2023 16:07	TMG	EPA 9056A
Total Sulfate	3.6	mg/L	0.80	2.5	1			1/12/2023 16:07	TMG	EPA 9056A
Total Organic Carbon	4.6	mg/L	0.4	1.3	1			1/13/2023 15:26	TMG	EPA 9060A
<b>Metals Results</b>										
Dissolved Iron	1530	ug/L	27	90	1			1/12/2023 16:30	NAH	EPA 6010C
Dissolved Manganese	894	ug/L	1.2	5.0	1			1/12/2023 16:30	NAH	EPA 6010C
<b>Organic Results</b>										
TPH as Mineral Spirits	1800	ug/L	31	100	1		1/12/2023 10:00	1/20/2023 08:08	AJZ	EPA 8015
2,3,4,6-Tetrachlorophenol	3.4	ug/L	1.5 *	5.0	2		1/12/2023 12:45	1/19/2023 13:01	ALD	EPA 8270D



CT LAB Sample#: 1279904    Sample Description: W3A    Sampled: 1/11/2023 13:10

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,4,5-Trichlorophenol	<3.0	ug/L	1.9	6.3	2		1/12/2023 12:45	1/19/2023 13:01	ALD	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	1.8	6.0	2		1/12/2023 12:45	1/19/2023 13:01	ALD	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	1.9	6.5	2		1/12/2023 12:45	1/19/2023 13:01	ALD	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	1.1	3.7	2		1/12/2023 12:45	1/19/2023 13:01	ALD	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	2.1	7.1	2	Q	1/12/2023 12:45	1/19/2023 13:01	ALD	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	1.9	6.3	2		1/12/2023 12:45	1/19/2023 13:01	ALD	EPA 8270D
2-Chlorophenol	<3.0	ug/L	1.3	4.6	2		1/12/2023 12:45	1/19/2023 13:01	ALD	EPA 8270D
2-Methylphenol	<3.0	ug/L	1.1	3.8	2		1/12/2023 12:45	1/19/2023 13:01	ALD	EPA 8270D
2-Nitrophenol	<3.0	ug/L	1.6	5.2	2		1/12/2023 12:45	1/19/2023 13:01	ALD	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	1.9	6.3	2		1/12/2023 12:45	1/19/2023 13:01	ALD	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	3.3	11	2		1/12/2023 12:45	1/19/2023 13:01	ALD	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	1.4	4.8	2		1/12/2023 12:45	1/19/2023 13:01	ALD	EPA 8270D
4-Nitrophenol	<3.0	ug/L	1.0	3.5	2		1/12/2023 12:45	1/19/2023 13:01	ALD	EPA 8270D
Pentachlorophenol	<b>69</b>	ug/L	1.8	6.2	2		1/12/2023 12:45	1/19/2023 13:01	ALD	EPA 8270D
Phenol	<3.0	ug/L	0.83	2.9	2		1/12/2023 12:45	1/19/2023 13:01	ALD	EPA 8270D

CT LAB Sample#: 1279905    Sample Description: W33    Sampled: 1/11/2023 14:05

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Inorganic Results</b>										
Nitrate Nitrogen Total	<b>0.32</b>	mg/L	0.12 *	0.40	1		1/12/2023 16:27	1/12/2023 16:27	TMG	EPA 9056A
Total Sulfate	<b>10</b>	mg/L	0.80	2.5	1		1/12/2023 16:27	1/12/2023 16:27	TMG	EPA 9056A
Total Organic Carbon	<b>4.7</b>	mg/L	0.4	1.3	1		1/13/2023 15:37	1/13/2023 15:37	TMG	EPA 9060A

**Metals Results**

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 1279905

Sample Description: W33

Sampled: 1/11/2023 14:05

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dissolved Iron	<b>2200</b>	ug/L	27	90	1			1/12/2023 16:38	NAH	EPA 6010C
Dissolved Manganese	<b>2230</b>	ug/L	1.2	5.0	1	M		1/12/2023 16:38	NAH	EPA 6010C
<b>Organic Results</b>										
TPH as Mineral Spirits	<b>6000</b>	ug/L	32	110	1		1/12/2023 10:00	1/20/2023 08:43	AJZ	EPA 8015
2,3,4,6-Tetrachlorophenol	<b>390</b>	ug/L	150 *	500	200		1/12/2023 12:45	1/18/2023 19:27	ALD	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	190	630	200		1/12/2023 12:45	1/18/2023 19:27	ALD	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	170	590	200		1/12/2023 12:45	1/18/2023 19:27	ALD	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	190	650	200		1/12/2023 12:45	1/18/2023 19:27	ALD	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	100	360	200		1/12/2023 12:45	1/18/2023 19:27	ALD	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	210	700	200	Q	1/12/2023 12:45	1/18/2023 19:27	ALD	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	180	630	200		1/12/2023 12:45	1/18/2023 19:27	ALD	EPA 8270D
2-Chlorophenol	<3.0	ug/L	130	460	200		1/12/2023 12:45	1/18/2023 19:27	ALD	EPA 8270D
2-Methylphenol	<3.0	ug/L	110	380	200		1/12/2023 12:45	1/18/2023 19:27	ALD	EPA 8270D
2-Nitrophenol	<3.0	ug/L	150	510	200		1/12/2023 12:45	1/18/2023 19:27	ALD	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	190	630	200		1/12/2023 12:45	1/18/2023 19:27	ALD	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	320	1100	200		1/12/2023 12:45	1/18/2023 19:27	ALD	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	140	480	200		1/12/2023 12:45	1/18/2023 19:27	ALD	EPA 8270D
4-Nitrophenol	<3.0	ug/L	99	340	200		1/12/2023 12:45	1/18/2023 19:27	ALD	EPA 8270D
Pentachlorophenol	<b>3400</b>	ug/L	180	610	200		1/12/2023 12:45	1/18/2023 19:27	ALD	EPA 8270D
Phenol	<3.0	ug/L	82	290	200		1/12/2023 12:45	1/18/2023 19:27	ALD	EPA 8270D

Notes: \* Indicates a value in between the LOD (limit of detection) and the LOQ (limit of quantitation). All LOD/LOQs are adjusted to reflect dilution and also any differences in the sample weight / volume as compared to standard amounts.

All samples were received intact and properly preserved unless otherwise noted. The results reported relate only to the samples tested. This report shall not be reproduced, except in full, without written approval of this laboratory. The Chain of Custody is attached.

Submitted by: Brett M. Szymanski  
 Project Manager  
 608-356-2760

**QC Qualifiers**

<u>Code</u>	<u>Description</u>
B	Analyte detected in the associated Method Blank.
C	Toxicity present in BOD sample.
D	Diluted Out.
E	Safe, No Total Coliform detected.
F	Unsafe, Total Coliform detected, no E. Coli detected.
G	Unsafe, Total Coliform detected and E. Coli detected.
H	Holding time exceeded.
I	Incubator temperature was outside acceptance limits during test period.
J	Estimated value.
L	Significant peaks were detected outside the chromatographic window.
M	Matrix spike and/or Matrix Spike Duplicate recovery outside acceptance limits.
N	Insufficient BOD oxygen depletion.
O	Complete BOD oxygen depletion.
P	Concentration of analyte differs more than 40% between primary and confirmation analysis.
Q	Laboratory Control Sample outside acceptance limits.
R	See Narrative at end of report.
S	Surrogate standard recovery outside acceptance limits due to apparent matrix effects.
T	Sample received with improper preservation or temperature.
U	Analyte concentration was below detection limit.
V	Raised Quantitation or Reporting Limit due to limited sample amount or dilution for matrix background interference.
W	Sample amount received was below program minimum.
X	Analyte exceeded calibration range.
Y	Replicate/Duplicate precision outside acceptance limits.
Z	Specified calibration criteria was not met.

**Current CT Laboratories Certifications**

Wisconsin (WDNR) Chemistry ID# 157066030  
 Wisconsin (DATCP) Bacteriology ID# 289  
 Louisiana NELAP (primary) ID# 115843  
 Illinois NELAP Lab ID# 200073  
 Kansas NELAP Lab ID# E-10368  
 Virginia NELAP Lab ID# 460203  
 ISO/IEC 17025-2005 A2LA Cert # 3806.01  
 DoD-ELAP A2LA 3806.01

Company Name: TRC  
 Project Contact: Bruce Iverson  
 Telephone: 608-826-3644  
 Project Name: Wauleco  
 Project Number: 189597.0012  
 Project Location: Wausau, WI  
 Sampled By: Tom Dushek

# CTLaboratories

Mail Report To: Bruce Iverson  
 Company: TRC  
 Address: 708 Heartland Trail  
 City/State/Zip: Madison, WI 53717

1230 Lange Court, Baraboo, WI 53913  
 608-356-2760 Tel. Fx 608-356-2766  
 www.ctlaboratories.com

Folder #: 174782  
 Company: TRC ENVIRONMENTAL  
 Project: WAULECO  
 Logged By: erc PM BMS

Ice Present  Yes  No  
 Temperature 7.0, 1.4 mm  
 Initials lu  
 Date 1/11/23 Time 9:30  
 Cooler # 5444, 6087

Invoice To: Accounts Payable  
 Company: TRC  
 Address:  
 City/State/Zip:  
 PO No. 194539

Contract No.

Regulatory Program:  
 UST RCRA SDWA NPDES  
 Solid Waste Other           

**Turnaround Time**

Normal RUSH\* Date Needed           

\*Notify Lab prior to sending in RUSH  
 Surcharges 24 hr 200% 2-3 days 100% 4-9 days 50%  
 Surcharges subject to change without notice.

**Landfill License Number**

Collection		Field Screen	Field ID	Grab/Comp	Sample ID Description	Filled Y/N	W D N R Well ID #	**Matrix:	TPH	TOC	Sulfate	Diss. Mn, Fe	Phenols (8270)	Nitrate	PCP (8270) ONLY	Total No of Containers	Total No of Cont. Rec'd	Preservation*	Client Special Instructions: Metals are filtered.	Lab ID #
1/11/23	0825			G	PW17	N		GW	1	1	1	1				4				127 9890
	0805				FP2				1	1	1	1				4				898
	0930				W13				1	1	1	1	2	✓		6				899
	1320				DFOMW5										2	2				900
	1115				DFOMW11										2	2				01
	1115				DFOMW11 Dup										2	2				02
	1150				DFOMW12										2	2				03
	1310				W3A				1	1	1	1	2	✓		6				04
	1405				W33				1	1	1	1	2	✓		6				05
									A	C	A	D	A	A	A					

Relinquished By: S.J. Dushek  
 Date/Time: 1/11/23  
1600

Relinquished By:             
 Date/Time:           

Received by:             
 Date/Time:           

Received by:             
 Date/Time: 1/11/23 9:56

**\*\*Matrix**  
 S-Soil A-Air Slg-Sludge M-Misc Waste  
 GW-Groundwater SW-Surface Water  
 WW-Wastewater DW-Drinking Water

**\* Preservation Code**  
 A=None B=HCL  
 C=H2SO4 D=HNO3  
 E=Encore F=Methanol  
 G=NaOH  
 O=Other

**View/Print Label**

1. Ensure there are no other shipping or tracking labels attached to your package. Select the Print button on the print dialog box that appears. Note: If your browser does not support this function, select Print from the File menu to print the label.

2. Fold the printed label at the solid line below... Place the label in a UPS Shipping Pouch. If you do not have a pouch, affix the folded label using clear plastic shipping tape over the entire label.

**3. GETTING YOUR SHIPMENT TO THE CUSTOMER**

Quality Environmental Containers  
800-265-3950 • www.qecusa.com



Store, Staples® or Authorized Shipping Outlet near you. To find the location nearest you, please visit the 'Locations' Quick link at ups.com.

UPS Access Point™  
ADVANCE AUTO PARTS STORE  
#4703

UPS Access Point™  
CVS STORE

Quality Environmental Containers  
800-265-3950 • www.qecusa.com



SIGNATURE  
DATE  
CUSTODY SEAL

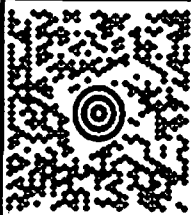
1 OF 2

50 LBS

JODI SERSTAD  
608-356-2760  
CT LABORATORIES  
1230 LANGE CT  
BARABOO WI 53913

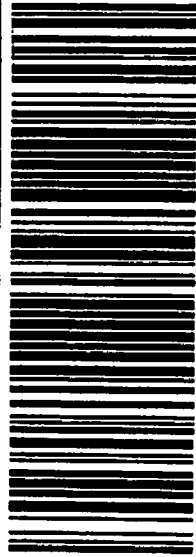
SHIP TO:  
JODI SERSTAD  
608-356-2760  
CT LABORATORIES  
1230 LANGE CT  
BARABOO WI 53913

WI 539 0-10



**UPS GROUND**

TRACKING #: 1Z 1A3 77E 03 9123 2566



BILLING: P/P



XOL 23.01.06 NV43 2.0A 01/2/023\*

Ice Present: No  
Temperature: 19  
Date: 12/27/07  
Time: 8:09  
Order #: 1000

# View/Print Label

1. Ensure there are no other shipping or tracking labels attached to your package. Select the Print button on the print dialogue box that appears. Note: If your browser does not support this function, select Print from the File menu to print the label.

2. Fold the printed label at the solid line below. Place the label in a UPS Shipping Pouch. If you do not have a pouch, affix the folded label using clear plastic shipping tape over the entire label.

### 3. GETTING YOUR SHIPMENT TO UPS

Customers with a scheduled Delivery

Quality Environmental Containers  
800-255-3850 • www.qecusa.com

**QEC**

DATE: 10/11/23  
SIGNATURE: [Handwritten Signature]

**CUSTODY SEAL**

please visit the 'Locations' Quick link at ups.com.

UPS Access Point™  
ADVANCE AUTO PARTS STORE  
#4703  
1020 S  
WAUSAU

UPS Access Point™  
CVS STORE # 10172

UPS Access Point™  
GOIN POSTAL

Quality Environmental Containers  
800-255-3850 • www.qecusa.com

**QEC**

DATE: 10/11/23  
SIGNATURE: [Handwritten Signature]

**CUSTODY SEAL**

50 LBS 2 OF 2

SHIP TO:  
JODISERSTAD  
608-356-2760  
CT LABORATORIES  
1230 LANGE CT  
BARABOO WI 53913

**WI 539 0-10**

**UPS GROUND**  
TRACKING #: 1Z 1A3 77E 03 9486 7572

BILLING: P/P

XOL 23.01.06 NV45 2.04 01/2023\*

Ice Present  No

Temperature  Yes  No

Signature: [Handwritten Signature]

Time: 9:30

Order # [Handwritten]

**ANALYTICAL REPORT**

TRC ENVIRONMENTAL  
 BRUCE IVERSON  
 708 HEARTLAND TRAIL  
 MADISON, WI 53717

Project Name: WAULECO  
 Project Phase:  
 Contract #: 2399  
 Project #: 189597.0012  
 Folder #: 174909  
 Purchase Order #: 194539

Page 1 of 8  
 Arrival Temperature: 4.8  
 Report Date: 1/27/2023  
 Date Received: 1/18/2023  
 Reprint Date: 1/27/2023

CT LAB Sample#: 1281540	Sample Description: W41	Sampled: 1/17/2023 08:00
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Inorganic Results</b>										
Nitrate Nitrogen Total	0.16	mg/L	0.12 *	0.40	1			1/18/2023 12:31	TMG	EPA 9056A
Total Sulfate	4.1	mg/L	0.80	2.5	1			1/18/2023 12:31	TMG	EPA 9056A
Total Organic Carbon	24	mg/L	0.4	1.3	1			1/19/2023 10:26	TMG	EPA 9060A
<b>Metals Results</b>										
Dissolved Iron	17900	ug/L	27	90	1			1/18/2023 18:50	NAH	EPA 6010C
Dissolved Manganese	27900	ug/L	1.2	5.0	1			1/18/2023 18:50	NAH	EPA 6010C
<b>Organic Results</b>										
TPH as Mineral Spirits	1700	ug/L	32	110	1		1/23/2023 10:30	1/24/2023 12:31	AJZ	EPA 8015
2,3,4,6-Tetrachlorophenol	33	ug/L	19 *	63	25		1/23/2023 13:00	1/24/2023 15:05	JJY	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	24	80	25		1/23/2023 13:00	1/24/2023 15:05	JJY	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	22	75	25		1/23/2023 13:00	1/24/2023 15:05	JJY	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	24	83	25		1/23/2023 13:00	1/24/2023 15:05	JJY	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	13	46	25		1/23/2023 13:00	1/24/2023 15:05	JJY	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	27	90	25		1/23/2023 13:00	1/24/2023 15:05	JJY	EPA 8270D

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 1281540    Sample Description: W41    Sampled: 1/17/2023 08:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,6-Dichlorophenol	<3.0	ug/L	24	80	25		1/23/2023 13:00	1/24/2023 15:05	JJY	EPA 8270D
2-Chlorophenol	<3.0	ug/L	17	58	25		1/23/2023 13:00	1/24/2023 15:05	JJY	EPA 8270D
2-Methylphenol	<3.0	ug/L	14	49	25		1/23/2023 13:00	1/24/2023 15:05	JJY	EPA 8270D
2-Nitrophenol	<3.0	ug/L	20	66	25		1/23/2023 13:00	1/24/2023 15:05	JJY	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	24	80	25		1/23/2023 13:00	1/24/2023 15:05	JJY	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	41	140	25		1/23/2023 13:00	1/24/2023 15:05	JJY	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	18	61	25		1/23/2023 13:00	1/24/2023 15:05	JJY	EPA 8270D
4-Nitrophenol	<3.0	ug/L	13	44	25		1/23/2023 13:00	1/24/2023 15:05	JJY	EPA 8270D
Pentachlorophenol	<b>800</b>	ug/L	23	78	25		1/23/2023 13:00	1/24/2023 15:05	JJY	EPA 8270D
Phenol	<3.0	ug/L	10	36	25		1/23/2023 13:00	1/24/2023 15:05	JJY	EPA 8270D

CT LAB Sample#: 1281541    Sample Description: W6R    Sampled: 1/17/2023 08:45

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Inorganic Results</b>										
Nitrate Nitrogen Total	<b>0.59</b>	mg/L	0.12	0.40	1			1/18/2023 13:32	TMG	EPA 9056A
Total Sulfate	<b>20</b>	mg/L	0.80	2.5	1			1/18/2023 13:32	TMG	EPA 9056A
Total Organic Carbon	<b>9.5</b>	mg/L	0.4	1.3	1			1/19/2023 10:39	TMG	EPA 9060A
<b>Metals Results</b>										
Dissolved Iron	<27	ug/L	27	90	1			1/18/2023 18:58	NAH	EPA 6010C
Dissolved Manganese	<b>1340</b>	ug/L	1.2	5.0	1			1/18/2023 18:58	NAH	EPA 6010C
<b>Organic Results</b>										
TPH as Mineral Spirits	<b>3000</b>	ug/L	32	110	1		1/23/2023 10:30	1/24/2023 13:05	AJZ	EPA 8015



CT LAB Sample#: 1281541

Sample Description: W6R

Sampled: 1/17/2023 08:45

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,3,4,6-Tetrachlorophenol	110	ug/L	74 *	250	100		1/23/2023 13:00	1/24/2023 19:46	JJY	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	92	310	100		1/23/2023 13:00	1/24/2023 19:46	JJY	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	86	290	100		1/23/2023 13:00	1/24/2023 19:46	JJY	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	94	320	100		1/23/2023 13:00	1/24/2023 19:46	JJY	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	52	180	100		1/23/2023 13:00	1/24/2023 19:46	JJY	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	100	350	100		1/23/2023 13:00	1/24/2023 19:46	JJY	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	92	310	100		1/23/2023 13:00	1/24/2023 19:46	JJY	EPA 8270D
2-Chlorophenol	<3.0	ug/L	66	230	100		1/23/2023 13:00	1/24/2023 19:46	JJY	EPA 8270D
2-Methylphenol	<3.0	ug/L	56	190	100		1/23/2023 13:00	1/24/2023 19:46	JJY	EPA 8270D
2-Nitrophenol	<3.0	ug/L	76	250	100		1/23/2023 13:00	1/24/2023 19:46	JJY	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	93	310	100		1/23/2023 13:00	1/24/2023 19:46	JJY	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	160	540	100		1/23/2023 13:00	1/24/2023 19:46	JJY	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	69	240	100		1/23/2023 13:00	1/24/2023 19:46	JJY	EPA 8270D
4-Nitrophenol	<3.0	ug/L	49	170	100		1/23/2023 13:00	1/24/2023 19:46	JJY	EPA 8270D
Pentachlorophenol	2600	ug/L	90	300	100		1/23/2023 13:00	1/24/2023 19:46	JJY	EPA 8270D
Phenol	<3.0	ug/L	41	140	100		1/23/2023 13:00	1/24/2023 19:46	JJY	EPA 8270D

CT LAB Sample#: 1281542

Sample Description: W22

Sampled: 1/17/2023 09:40

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Inorganic Results</b>										
Nitrate Nitrogen Total	<0.12	mg/L	0.12	0.40	1			1/18/2023 13:52	TMG	EPA 9056A
Total Sulfate	4.5	mg/L	0.80	2.5	1			1/18/2023 13:52	TMG	EPA 9056A
Total Organic Carbon	10	mg/L	0.4	1.3	1			1/19/2023 10:51	TMG	EPA 9060A

CT LAB Sample#: 1281542

Sample Description: W22

Sampled: 1/17/2023 09:40

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Metals Results</b>										
Dissolved Iron	413	ug/L	27	90	1			1/18/2023 19:06	NAH	EPA 6010C
Dissolved Manganese	5220	ug/L	1.2	5.0	1			1/18/2023 19:06	NAH	EPA 6010C
<b>Organic Results</b>										
TPH as Mineral Spirits	1700	ug/L	32	110	1		1/23/2023 10:30	1/24/2023 13:39	AJZ	EPA 8015
2,3,4,6-Tetrachlorophenol	300	ug/L	74	250	100		1/23/2023 13:00	1/24/2023 15:52	JJY	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	92	310	100		1/23/2023 13:00	1/24/2023 15:52	JJY	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	86	290	100		1/23/2023 13:00	1/24/2023 15:52	JJY	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	94	320	100		1/23/2023 13:00	1/24/2023 15:52	JJY	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	52	180	100		1/23/2023 13:00	1/24/2023 15:52	JJY	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	100	350	100		1/23/2023 13:00	1/24/2023 15:52	JJY	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	92	310	100		1/23/2023 13:00	1/24/2023 15:52	JJY	EPA 8270D
2-Chlorophenol	<3.0	ug/L	66	230	100		1/23/2023 13:00	1/24/2023 15:52	JJY	EPA 8270D
2-Methylphenol	<3.0	ug/L	56	190	100		1/23/2023 13:00	1/24/2023 15:52	JJY	EPA 8270D
2-Nitrophenol	<3.0	ug/L	76	250	100		1/23/2023 13:00	1/24/2023 15:52	JJY	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	93	310	100		1/23/2023 13:00	1/24/2023 15:52	JJY	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	160	540	100		1/23/2023 13:00	1/24/2023 15:52	JJY	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	69	240	100		1/23/2023 13:00	1/24/2023 15:52	JJY	EPA 8270D
4-Nitrophenol	<3.0	ug/L	49	170	100		1/23/2023 13:00	1/24/2023 15:52	JJY	EPA 8270D
Pentachlorophenol	4400	ug/L	90	300	100		1/23/2023 13:00	1/24/2023 15:52	JJY	EPA 8270D
Phenol	<3.0	ug/L	41	140	100		1/23/2023 13:00	1/24/2023 15:52	JJY	EPA 8270D

CT LAB Sample#: 1281543    Sample Description: W27    Sampled: 1/17/2023 10:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Inorganic Results</b>										
Total Sulfate	7.5	mg/L	0.80	2.5	1			1/18/2023 14:12	TMG	EPA 9056A
Total Organic Carbon	16	mg/L	0.4	1.3	1			1/19/2023 11:03	TMG	EPA 9060A
<b>Metals Results</b>										
Dissolved Iron	7100	ug/L	27	90	1			1/18/2023 19:14	NAH	EPA 6010C
Dissolved Manganese	17000	ug/L	1.2	5.0	1			1/18/2023 19:14	NAH	EPA 6010C
<b>Organic Results</b>										
TPH as Mineral Spirits	1600	ug/L	33	110	1		1/23/2023 10:30	1/24/2023 14:12	AJZ	EPA 8015

CT LAB Sample#: 1281544    Sample Description: W27 DUP    Sampled: 1/17/2023 10:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Inorganic Results</b>										
Total Sulfate	7.5	mg/L	0.80	2.5	1			1/18/2023 14:32	TMG	EPA 9056A
Total Organic Carbon	16	mg/L	0.4	1.3	1			1/19/2023 11:15	TMG	EPA 9060A
<b>Metals Results</b>										
Dissolved Iron	6850	ug/L	27	90	1			1/18/2023 19:21	NAH	EPA 6010C
Dissolved Manganese	16700	ug/L	1.2	5.0	1			1/18/2023 19:21	NAH	EPA 6010C
<b>Organic Results</b>										
TPH as Mineral Spirits	2200	ug/L	32	110	1		1/23/2023 10:30	1/24/2023 14:46	AJZ	EPA 8015

CT LAB Sample#: 1281545    Sample Description: BLANK 01    Sampled: 1/17/2023 11:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Inorganic Results</b>										
Nitrate Nitrogen Total	<0.12	mg/L	0.12	0.40	1			1/18/2023 14:52	TMG	EPA 9056A
Total Sulfate	<0.80	mg/L	0.80	2.5	1			1/18/2023 14:52	TMG	EPA 9056A
Total Organic Carbon	<0.4	mg/L	0.4	1.3	1			1/19/2023 11:27	TMG	EPA 9060A
<b>Metals Results</b>										
Dissolved Iron	<27	ug/L	27	90	1			1/18/2023 19:29	NAH	EPA 6010C
Dissolved Manganese	<1.2	ug/L	1.2	5.0	1			1/18/2023 19:29	NAH	EPA 6010C
<b>Organic Results</b>										
TPH as Mineral Spirits	<32	ug/L	32	110	1		1/23/2023 10:30	1/24/2023 15:20	AJZ	EPA 8015
2,3,4,6-Tetrachlorophenol	<3.0	ug/L	0.77	2.6	1		1/23/2023 13:00	1/24/2023 16:15	JJY	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	0.97	3.3	1		1/23/2023 13:00	1/24/2023 16:15	JJY	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	0.90	3.1	1		1/23/2023 13:00	1/24/2023 16:15	JJY	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	0.99	3.4	1		1/23/2023 13:00	1/24/2023 16:15	JJY	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	0.54	1.9	1		1/23/2023 13:00	1/24/2023 16:15	JJY	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	1.1	3.7	1		1/23/2023 13:00	1/24/2023 16:15	JJY	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	0.96	3.3	1		1/23/2023 13:00	1/24/2023 16:15	JJY	EPA 8270D
2-Chlorophenol	<3.0	ug/L	0.69	2.4	1		1/23/2023 13:00	1/24/2023 16:15	JJY	EPA 8270D
2-Methylphenol	<3.0	ug/L	0.58	2.0	1		1/23/2023 13:00	1/24/2023 16:15	JJY	EPA 8270D
2-Nitrophenol	<3.0	ug/L	0.80	2.7	1		1/23/2023 13:00	1/24/2023 16:15	JJY	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	0.98	3.3	1		1/23/2023 13:00	1/24/2023 16:15	JJY	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	1.7	5.6	1		1/23/2023 13:00	1/24/2023 16:15	JJY	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	0.72	2.5	1		1/23/2023 13:00	1/24/2023 16:15	JJY	EPA 8270D
4-Nitrophenol	<3.0	ug/L	0.51	1.8	1		1/23/2023 13:00	1/24/2023 16:15	JJY	EPA 8270D
Pentachlorophenol	<3.0	ug/L	0.94	3.2	1		1/23/2023 13:00	1/24/2023 16:15	JJY	EPA 8270D

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 1281545

Sample Description: BLANK 01

Sampled: 1/17/2023 11:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Phenol	<3.0	ug/L	0.43	1.5	1		1/23/2023 13:00	1/24/2023 16:15	JJY	EPA 8270D

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Notes: \* Indicates a value in between the LOD (limit of detection) and the LOQ (limit of quantitation). All LOD/LOQs are adjusted to reflect dilution and also any differences in the sample weight / volume as compared to standard amounts.

All samples were received intact and properly preserved unless otherwise noted. The results reported relate only to the samples tested. This report shall not be reproduced, except in full, without written approval of this laboratory. The Chain of Custody is attached.

Submitted by: Brett M. Szymanski  
Project Manager  
608-356-2760

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**Current CT Laboratories Certifications**

Wisconsin (WDNR) Chemistry ID# 157066030  
Wisconsin (DATCP) Bacteriology ID# 289  
Louisiana NELAP (primary) ID# 115843  
Illinois NELAP Lab ID# 200073  
Kansas NELAP Lab ID# E-10368  
Virginia NELAP Lab ID# 460203  
ISO/IEC 17025-2005 A2LA Cert # 3806.01  
DoD-ELAP A2LA 3806.01

---

Company Name: TRC  
 Project Contact: Bruce Iverson  
 Telephone: 608-826-3644  
 Project Name: Wauleco  
 Project Number: 189597.0012  
 Project Location: Wausau, WI  
 Sampled By: Tom Dushek

# CTLaboratories

Mail Report To: Bruce Iverson  
 Company: TRC  
 Address: 708 Heartland Trail  
 City/State/Zip: Madison, WI 53717

Folder #: 174909  
 Company: TRC ENVIRONMENTAL  
 Project: WAULECO  
 Logged By: Eric PM BMS

1230 Lange Court, Baraboo, WI 53913  
 608-356-2760 Tel. Fx 608-356-2766  
 www.ctlaboratories.com

Ice Present  Yes  No  
 Temperature 4.8, 3.9 *PMVB*  
 Initials EW  
 Date 1/18/23 Time 1015  
 Cooler # 6526, 3897

Invoice To: Accounts Payable  
 Company: TRC  
 Address:  
 City/State/Zip:  
 PO No. 194539  
 Contract No.

Regulatory Program:  
 UST RCRA SDWA NPDES  
 Solid Waste Other \_\_\_\_\_

**Turnaround Time**  
Normal RUSH\* Date Needed \_\_\_\_\_  
 \*Notify Lab prior to sending in RUSH  
 Surcharges 24 hr 200% 2-3 days 100% 4-9 days 50%  
 Surcharges subject to change without notice.

Landfill License Number \_\_\_\_\_

Collection		Field Screen	Field ID	Grab/Comp	Sample ID Description	Pill'd Y/N	WDNR Well ID #	**Matrix:	TPH	TOC	Sulfate	Diss. Mn, Fe	Phenols (8270)	Nitrate	PCP (8270)	Total No of Containers	Total No of Cont. Rec'd	Preservation*	Client Special Instructions: Metals are filtered.	Lab ID #
1/17/23	0800			G	W41	N		GW	1	1	1	1	2	✓		6				1281540
	0845				W6R				1	1	1	1	2	✓		6				41
	0940				W22				1	1	1	1	2	✓		6				42
	1030				W27				1	1	1	1				4				43
	1030				W27 Dup				1	1	1	1				4				44
	1100				Blank 01				1	1	1	1	2	✓		6				45
									A	C	A	D	A	A	A					

Relinquished By: J.D. Dushek Date/Time: 1/17/23 1530  
 Received by: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Relinquished By: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Received by: EW Date/Time: 1/18/23 1035

**\*\*Matrix**  
 S-Soil A-Air Slg-Sludge M-Misc Waste  
 GW-Groundwater SW-Surface Water  
 WW-Wastewater DW-Drinking Water

**\* Preservation Code**  
 A=None B=HCL  
 C=H2SO4 D=HNO3  
 E=Encore F=Methanol  
 G=NaOH  
 O=Other \_\_\_\_\_

# UPS Electronic Return Label: View/Print Label

1. Ensure that there are no other tracking labels attached to your shipment.
2. Fold the printed label at the dotted line. Place the label in a UPS Shipping Pouch. If you do not have a pouch, affix the folded label using clear plastic shipping tape over the entire label. Take care not to cover any seams or closures.

### 3. GETTING YOUR SHIPMENT TO UPS

- o Daily Pick up customer

**CUSTODY SEAL**

DATE: 1/17/23

SIGNATURE: T. J. Dushek

**QEC**

Quality Environmental Containers  
800-255-3950 • www.qecusa.com

UPS Access Point™

**CUSTODY SEAL**

DATE: 1/17/23

SIGNATURE: T. J. Dushek

**QEC**

Quality Environmental Containers  
800-255-3950 • www.qecusa.com

50 LBS

1 OF 1

**RS**

TOM DUSHEK  
TRC ENVIRONMENTAL  
125 ROSECRANS STREET  
WAUSAU WI 54401

SHIP TO:  
SHIPPING DEPT  
6083562760  
CT LABS  
1230 LANGE CT  
**BARABOO WI 53913**

**WI 539 0-10**

**UPS GROUND**

TRACKING #: 1Z 1A3 77E 90 5444 3495

BILLING: P/P  
DESC: Environmental Samples  
RETURN SERVICE

NO 23L01.06 NY-23 3.0A 01/2023\*

Ice Present  Yes  No

Temperature 48

Initials TD

Date 1/18/23 Time 1015

Order # 6556



# UPS Electronic Return Label: View/Print Label

1. Ensure that there are no other tracking labels attached to your shipment.
2. Fold the printed label at the dotted line. Place the label in a UPS Shipping Pouch. If you do not have a pouch, affix the folded label using clear plastic shipping tape over the entire label. Take care not to cover any seams or closures.
3. GETTING YOUR SHIPMENT TO UPS

**CUSTODY SEAL**

DATE 1-17-23

SIGNATURE [Signature]

**QEC**  
Quality Environmental Containers  
800-255-3950 • www.qecusa.com

accepted at all UPS Drop Box locations. To find the closest drop box, visit [www.ups.com/locator](http://www.ups.com/locator)


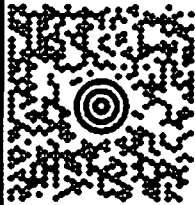
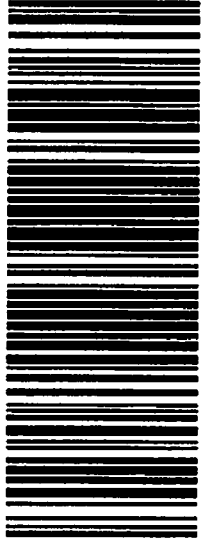

**CUSTODY SEAL**

DATE 1-17-23

SIGNATURE [Signature]

**QEC**  
Quality Environmental Containers  
800-255-3950 • www.qecusa.com

FOLD HERE

<p>50 LBS</p> <p><b>RS</b></p> <p>TOM DUSHEK TRC ENVIRONMENTAL 125 ROSECRANS STREET WAUSAU WI 54401</p> <p>SHIP TO: SHIPPING DEPT 6083562760 CT LABS 1230 LANGE CT BARABOO WI 53913</p>	<p><b>WI 539 0-10</b></p>  	<p><b>UPS GROUND</b></p> <p>TRACKING #: 1Z 1A3 77E 90 5337 6088</p> 	<p></p> <p>BILLING: P/P DESC: Environmental Samples RETURN SERVICE</p> <p>XOL 23.01.06 NY45 3.0A 01/2023™</p>
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Ice Present Yes No

Temperature 3.9 17.28

Initials EW

Date 1/18/23 Time 10:15

Cooler # 3897

**D2**

**July 2023**

**ANALYTICAL REPORT**

TRC ENVIRONMENTAL  
 BRUCE IVERSON  
 999 FOURIER DRIVE  
 SUITE 101  
 MADISON, WI 53717

Project Name: WAULECO  
 Project Phase:  
 Contract #: 2399  
 Project #: 189597.0012  
 Folder #: 178756  
 Purchase Order #: 194539

Page 1 of 13  
 Arrival Temperature: 5.1  
 Report Date: 7/21/2023  
 Date Received: 7/6/2023  
 Reprint Date: 7/21/2023

CT LAB Sample#: 1344924	Sample Description: W71	Sampled: 7/5/2023 07:10
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Organic Results</b>										
TPH as Mineral Spirits	<32	ug/L	32	110	1		7/10/2023 09:45	7/13/2023 17:39	AJZ	EPA 8015
1,2,4-Trimethylbenzene	<0.91	ug/L	0.91	3.1	1			7/11/2023 15:45	TMG	WDNR GRO
m & p-Xylene	<2.0	ug/L	2.0	6.7	1			7/11/2023 15:45	TMG	WDNR GRO
Naphthalene	<1.1	ug/L	1.1	3.4	1			7/11/2023 15:45	TMG	WDNR GRO
o-Xylene	<1.1	ug/L	1.1	3.4	1			7/11/2023 15:45	TMG	WDNR GRO
Pentachlorophenol	<3.0	ug/L	0.92	3.1	1		7/10/2023 09:45	7/18/2023 17:03	ALD	EPA 8270D

CT LAB Sample#: 1344925	Sample Description: W72	Sampled: 7/5/2023 07:55
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Organic Results</b>										
TPH as Mineral Spirits	<32	ug/L	32	110	1		7/10/2023 09:45	7/13/2023 18:13	AJZ	EPA 8015
1,2,4-Trimethylbenzene	<0.91	ug/L	0.91	3.1	1			7/11/2023 16:20	TMG	WDNR GRO

CT LAB Sample#: 1344925	Sample Description: W72	Sampled: 7/5/2023 07:55
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
m & p-Xylene	<2.0	ug/L	2.0	6.7	1			7/11/2023 16:20	TMG	WDNR GRO
Naphthalene	<1.1	ug/L	1.1	3.4	1			7/11/2023 16:20	TMG	WDNR GRO
o-Xylene	<1.1	ug/L	1.1	3.4	1			7/11/2023 16:20	TMG	WDNR GRO
Pentachlorophenol	<3.0	ug/L	0.95	3.2	1		7/10/2023 09:45	7/18/2023 17:27	ALD	EPA 8270D

CT LAB Sample#: 1344926	Sample Description: W8	Sampled: 7/5/2023 08:40
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Inorganic Results</b>										
Nitrate Nitrogen Total	<b>3.9</b>	mg/L	0.12	0.40	1	H		7/7/2023 09:50	TMG	EPA 9056A
Total Sulfate	<b>15</b>	mg/L	0.80	2.5	1			7/7/2023 09:50	TMG	EPA 9056A
Total Organic Carbon	<b>1.8</b>	mg/L	0.4 *	3.0	1			7/12/2023 10:16	TMG	EPA 9060A
<b>Metals Results</b>										
Dissolved Iron	<b>43.2</b>	ug/L	25 *	84	1			7/7/2023 19:40	NAH	EPA 6010C
Dissolved Manganese	<2.4	ug/L	2.4	8.0	1			7/7/2023 19:40	NAH	EPA 6010C
Dissolved Mercury	<0.020	ug/L	0.020	0.080	1		7/11/2023 14:05	7/12/2023 11:38	MDS	EPA 7470A
<b>Organic Results</b>										
TPH as Mineral Spirits	<32	ug/L	32	110	1		7/10/2023 09:45	7/13/2023 18:48	AJZ	EPA 8015
1,2,4-Trimethylbenzene	<0.91	ug/L	0.91	3.1	1			7/11/2023 16:53	TMG	WDNR GRO
m & p-Xylene	<2.0	ug/L	2.0	6.7	1			7/11/2023 16:53	TMG	WDNR GRO
Naphthalene	<1.1	ug/L	1.1	3.4	1			7/11/2023 16:53	TMG	WDNR GRO
o-Xylene	<1.1	ug/L	1.1	3.4	1			7/11/2023 16:53	TMG	WDNR GRO
2,3,4,6-Tetrachlorophenol	<3.0	ug/L	0.76	2.5	1		7/10/2023 09:45	7/18/2023 17:51	ALD	EPA 8270D

CT LAB Sample#: 1344926	Sample Description: W8	Sampled: 7/5/2023 08:40
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,4,5-Trichlorophenol	<3.0	ug/L	0.95	3.2	1		7/10/2023 09:45	7/18/2023 17:51	ALD	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	0.88	3.0	1		7/10/2023 09:45	7/18/2023 17:51	ALD	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	0.97	3.3	1		7/10/2023 09:45	7/18/2023 17:51	ALD	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	0.53	1.8	1		7/10/2023 09:45	7/18/2023 17:51	ALD	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	1.1	3.6	1		7/10/2023 09:45	7/18/2023 17:51	ALD	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	0.94	3.2	1		7/10/2023 09:45	7/18/2023 17:51	ALD	EPA 8270D
2-Chlorophenol	<3.0	ug/L	0.68	2.3	1		7/10/2023 09:45	7/18/2023 17:51	ALD	EPA 8270D
2-Methylphenol	<3.0	ug/L	0.57	1.9	1		7/10/2023 09:45	7/18/2023 17:51	ALD	EPA 8270D
2-Nitrophenol	<3.0	ug/L	0.79	2.6	1		7/10/2023 09:45	7/18/2023 17:51	ALD	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	0.96	3.2	1		7/10/2023 09:45	7/18/2023 17:51	ALD	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	1.7	5.5	1		7/10/2023 09:45	7/18/2023 17:51	ALD	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	0.71	2.4	1		7/10/2023 09:45	7/18/2023 17:51	ALD	EPA 8270D
4-Nitrophenol	<3.0	ug/L	0.50	1.7	1		7/10/2023 09:45	7/18/2023 17:51	ALD	EPA 8270D
Pentachlorophenol	<3.0	ug/L	0.92	3.1	1		7/10/2023 09:45	7/18/2023 17:51	ALD	EPA 8270D
Phenol	<3.0	ug/L	0.42	1.5	1		7/10/2023 09:45	7/18/2023 17:51	ALD	EPA 8270D

CT LAB Sample#: 1344927	Sample Description: W73	Sampled: 7/5/2023 09:45
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Inorganic Results</b>										
Nitrate Nitrogen Total	<b>5.3</b>	mg/L	0.12	0.40	1			7/7/2023 10:32	TMG	EPA 9056A
Total Sulfate	<b>16</b>	mg/L	0.80	2.5	1			7/7/2023 10:32	TMG	EPA 9056A
Total Organic Carbon	<b>2.4</b>	mg/L	0.4 *	3.0	1			7/12/2023 10:27	TMG	EPA 9060A

**Metals Results**

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 1344927    Sample Description: W73    Sampled: 7/5/2023 09:45

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dissolved Iron	<25	ug/L	25	84	1			7/7/2023 20:23	NAH	EPA 6010C
Dissolved Manganese	<b>10.2</b>	ug/L	2.4	8.0	1			7/7/2023 20:23	NAH	EPA 6010C
Dissolved Mercury	<0.020	ug/L	0.020	0.080	1		7/11/2023 14:05	7/12/2023 11:42	MDS	EPA 7470A
<b>Organic Results</b>										
TPH as Mineral Spirits	<32	ug/L	32	110	1		7/10/2023 09:45	7/13/2023 19:22	AJZ	EPA 8015
1,2,4-Trimethylbenzene	<0.91	ug/L	0.91	3.1	1			7/11/2023 17:27	TMG	WDNR GRO
m & p-Xylene	<2.0	ug/L	2.0	6.7	1			7/11/2023 17:27	TMG	WDNR GRO
Naphthalene	<1.1	ug/L	1.1	3.4	1			7/11/2023 17:27	TMG	WDNR GRO
o-Xylene	<1.1	ug/L	1.1	3.4	1			7/11/2023 17:27	TMG	WDNR GRO
Pentachlorophenol	<3.0	ug/L	0.91	3.1	1		7/10/2023 09:45	7/18/2023 18:14	ALD	EPA 8270D

CT LAB Sample#: 1344928    Sample Description: W74    Sampled: 7/5/2023 10:25

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Organic Results</b>										
TPH as Mineral Spirits	<32	ug/L	32	110	1		7/10/2023 09:45	7/13/2023 19:56	AJZ	EPA 8015
1,2,4-Trimethylbenzene	<0.91	ug/L	0.91	3.1	1			7/11/2023 18:02	TMG	WDNR GRO
m & p-Xylene	<2.0	ug/L	2.0	6.7	1			7/11/2023 18:02	TMG	WDNR GRO
Naphthalene	<1.1	ug/L	1.1	3.4	1			7/11/2023 18:02	TMG	WDNR GRO
o-Xylene	<1.1	ug/L	1.1	3.4	1			7/11/2023 18:02	TMG	WDNR GRO
Pentachlorophenol	<3.0	ug/L	0.91	3.1	1		7/10/2023 09:45	7/18/2023 18:38	ALD	EPA 8270D

CT LAB Sample#: 1344929

Sample Description: W16

Sampled: 7/5/2023 11:10

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Inorganic Results</b>										
Nitrate Nitrogen Total	4.9	mg/L	0.12	0.40	1			7/7/2023 10:53	TMG	EPA 9056A
Total Sulfate	19	mg/L	0.80	2.5	1			7/7/2023 10:53	TMG	EPA 9056A
Total Organic Carbon	2.4	mg/L	0.4 *	3.0	1			7/12/2023 10:40	TMG	EPA 9060A
<b>Metals Results</b>										
Dissolved Iron	33.0	ug/L	25 *	84	1			7/7/2023 20:30	NAH	EPA 6010C
Dissolved Manganese	6.8	ug/L	2.4 *	8.0	1			7/7/2023 20:30	NAH	EPA 6010C
Dissolved Mercury	<0.020	ug/L	0.020	0.080	1		7/11/2023 14:05	7/12/2023 11:54	MDS	EPA 7470A
<b>Organic Results</b>										
TPH as Mineral Spirits	<33	ug/L	33	110	1		7/10/2023 09:45	7/13/2023 20:30	AJZ	EPA 8015
1,2,4-Trimethylbenzene	<0.91	ug/L	0.91	3.1	1			7/11/2023 18:36	TMG	WDNR GRO
m & p-Xylene	<2.0	ug/L	2.0	6.7	1			7/11/2023 18:36	TMG	WDNR GRO
Naphthalene	<1.1	ug/L	1.1	3.4	1			7/11/2023 18:36	TMG	WDNR GRO
o-Xylene	<1.1	ug/L	1.1	3.4	1			7/11/2023 18:36	TMG	WDNR GRO
2,3,4,6-Tetrachlorophenol	<3.0	ug/L	0.76	2.5	1		7/10/2023 09:45	7/18/2023 19:02	ALD	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	0.96	3.2	1		7/10/2023 09:45	7/18/2023 19:02	ALD	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	0.89	3.0	1		7/10/2023 09:45	7/18/2023 19:02	ALD	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	0.98	3.3	1		7/10/2023 09:45	7/18/2023 19:02	ALD	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	0.54	1.9	1		7/10/2023 09:45	7/18/2023 19:02	ALD	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	1.1	3.6	1		7/10/2023 09:45	7/18/2023 19:02	ALD	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	0.95	3.2	1		7/10/2023 09:45	7/18/2023 19:02	ALD	EPA 8270D
2-Chlorophenol	<3.0	ug/L	0.69	2.4	1		7/10/2023 09:45	7/18/2023 19:02	ALD	EPA 8270D
2-Methylphenol	<3.0	ug/L	0.58	2.0	1		7/10/2023 09:45	7/18/2023 19:02	ALD	EPA 8270D

CT LAB Sample#: 1344929    Sample Description: W16    Sampled: 7/5/2023 11:10

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2-Nitrophenol	<3.0	ug/L	0.79	2.6	1		7/10/2023 09:45	7/18/2023 19:02	ALD	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	0.97	3.2	1		7/10/2023 09:45	7/18/2023 19:02	ALD	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	1.7	5.6	1		7/10/2023 09:45	7/18/2023 19:02	ALD	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	0.72	2.5	1		7/10/2023 09:45	7/18/2023 19:02	ALD	EPA 8270D
4-Nitrophenol	<3.0	ug/L	0.51	1.8	1		7/10/2023 09:45	7/18/2023 19:02	ALD	EPA 8270D
Pentachlorophenol	<3.0	ug/L	0.93	3.1	1		7/10/2023 09:45	7/18/2023 19:02	ALD	EPA 8270D
Phenol	<3.0	ug/L	0.42	1.5	1		7/10/2023 09:45	7/18/2023 19:02	ALD	EPA 8270D

CT LAB Sample#: 1344930    Sample Description: W32    Sampled: 7/5/2023 12:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Inorganic Results</b>										
Nitrate Nitrogen Total	<0.12	mg/L	0.12	0.40	1			7/7/2023 11:14	TMG	EPA 9056A
<b>Metals Results</b>										
Dissolved Mercury	<0.020	ug/L	0.020	0.080	1		7/11/2023 14:05	7/12/2023 11:57	MDS	EPA 7470A
<b>Organic Results</b>										
TPH as Mineral Spirits	<32	ug/L	32	110	1		7/10/2023 09:45	7/13/2023 21:05	AJZ	EPA 8015
1,2,4-Trimethylbenzene	<0.91	ug/L	0.91	3.1	1			7/11/2023 19:10	TMG	WDNR GRO
m & p-Xylene	<2.0	ug/L	2.0	6.7	1			7/11/2023 19:10	TMG	WDNR GRO
Naphthalene	<1.1	ug/L	1.1	3.4	1			7/11/2023 19:10	TMG	WDNR GRO
o-Xylene	<1.1	ug/L	1.1	3.4	1			7/11/2023 19:10	TMG	WDNR GRO
2,3,4,6-Tetrachlorophenol	<3.0	ug/L	0.82	2.7	1		7/10/2023 09:45	7/18/2023 19:25	ALD	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	1.0	3.5	1		7/10/2023 09:45	7/18/2023 19:25	ALD	EPA 8270D



CT LAB Sample#: 1344930    Sample Description: W32    Sampled: 7/5/2023 12:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,4,6-Trichlorophenol	<3.0	ug/L	0.96	3.3	1		7/10/2023 09:45	7/18/2023 19:25	ALD	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	1.1	3.6	1		7/10/2023 09:45	7/18/2023 19:25	ALD	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	0.58	2.0	1		7/10/2023 09:45	7/18/2023 19:25	ALD	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	1.2	3.9	1		7/10/2023 09:45	7/18/2023 19:25	ALD	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	1.0	3.5	1		7/10/2023 09:45	7/18/2023 19:25	ALD	EPA 8270D
2-Chlorophenol	<3.0	ug/L	0.74	2.5	1		7/10/2023 09:45	7/18/2023 19:25	ALD	EPA 8270D
2-Methylphenol	<3.0	ug/L	0.62	2.1	1		7/10/2023 09:45	7/18/2023 19:25	ALD	EPA 8270D
2-Nitrophenol	<3.0	ug/L	0.85	2.8	1		7/10/2023 09:45	7/18/2023 19:25	ALD	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	1.0	3.5	1		7/10/2023 09:45	7/18/2023 19:25	ALD	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	1.8	6.0	1		7/10/2023 09:45	7/18/2023 19:25	ALD	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	0.77	2.6	1		7/10/2023 09:45	7/18/2023 19:25	ALD	EPA 8270D
4-Nitrophenol	<3.0	ug/L	0.55	1.9	1		7/10/2023 09:45	7/18/2023 19:25	ALD	EPA 8270D
Pentachlorophenol	<3.0	ug/L	1.0	3.4	1		7/10/2023 09:45	7/18/2023 19:25	ALD	EPA 8270D
Phenol	<3.0	ug/L	0.45	1.6	1		7/10/2023 09:45	7/18/2023 19:25	ALD	EPA 8270D

CT LAB Sample#: 1344931    Sample Description: W21    Sampled: 7/5/2023 13:25

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Inorganic Results</b>										
Nitrate Nitrogen Total	2.0	mg/L	0.12	0.40	1			7/7/2023 11:35	TMG	EPA 9056A
<b>Metals Results</b>										
Dissolved Mercury	<0.020	ug/L	0.020	0.080	1		7/11/2023 14:05	7/12/2023 12:01	MDS	EPA 7470A
<b>Organic Results</b>										
TPH as Mineral Spirits	<37	ug/L	37	120	1		7/10/2023 09:45	7/13/2023 21:40	AJZ	EPA 8015

CT LAB Sample#: 1344931    Sample Description: W21 Sampled: 7/5/2023 13:25

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2,4-Trimethylbenzene	<0.91	ug/L	0.91	3.1	1			7/11/2023 19:44	TMG	WDNR GRO
m & p-Xylene	<2.0	ug/L	2.0	6.7	1			7/11/2023 19:44	TMG	WDNR GRO
Naphthalene	<1.1	ug/L	1.1	3.4	1			7/11/2023 19:44	TMG	WDNR GRO
o-Xylene	<1.1	ug/L	1.1	3.4	1			7/11/2023 19:44	TMG	WDNR GRO
2,3,4,6-Tetrachlorophenol	<3.0	ug/L	1.1	3.7	1		7/10/2023 09:45	7/18/2023 19:49	ALD	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	1.4	4.7	1		7/10/2023 09:45	7/18/2023 19:49	ALD	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	1.3	4.4	1		7/10/2023 09:45	7/18/2023 19:49	ALD	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	1.4	4.9	1		7/10/2023 09:45	7/18/2023 19:49	ALD	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	0.79	2.7	1		7/10/2023 09:45	7/18/2023 19:49	ALD	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	1.6	5.3	1		7/10/2023 09:45	7/18/2023 19:49	ALD	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	1.4	4.7	1		7/10/2023 09:45	7/18/2023 19:49	ALD	EPA 8270D
2-Chlorophenol	<3.0	ug/L	1.0	3.4	1		7/10/2023 09:45	7/18/2023 19:49	ALD	EPA 8270D
2-Methylphenol	<3.0	ug/L	0.84	2.9	1		7/10/2023 09:45	7/18/2023 19:49	ALD	EPA 8270D
2-Nitrophenol	<3.0	ug/L	1.2	3.9	1		7/10/2023 09:45	7/18/2023 19:49	ALD	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	1.4	4.7	1		7/10/2023 09:45	7/18/2023 19:49	ALD	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	2.4	8.1	1		7/10/2023 09:45	7/18/2023 19:49	ALD	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	1.0	3.6	1		7/10/2023 09:45	7/18/2023 19:49	ALD	EPA 8270D
4-Nitrophenol	<3.0	ug/L	0.74	2.6	1		7/10/2023 09:45	7/18/2023 19:49	ALD	EPA 8270D
Pentachlorophenol	<3.0	ug/L	1.4	4.6	1		7/10/2023 09:45	7/18/2023 19:49	ALD	EPA 8270D
Phenol	<3.0	ug/L	0.61	2.1	1		7/10/2023 09:45	7/18/2023 19:49	ALD	EPA 8270D

CT LAB Sample#: 1344932    Sample Description: W18 Sampled: 7/5/2023 14:20

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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CT LAB Sample#: 1344932    Sample Description: W18

Sampled: 7/5/2023 14:20

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Inorganic Results</b>										
Nitrate Nitrogen Total	1.5	mg/L	0.12	0.40	1			7/7/2023 11:56	TMG	EPA 9056A
Total Sulfate	11	mg/L	0.80	2.5	1			7/7/2023 11:56	TMG	EPA 9056A
Total Organic Carbon	0.43	mg/L	0.4 *	3.0	1			7/12/2023 10:53	TMG	EPA 9060A
<b>Metals Results</b>										
Dissolved Iron	<25	ug/L	25	84	1			7/7/2023 20:38	NAH	EPA 6010C
Dissolved Manganese	<2.4	ug/L	2.4	8.0	1			7/7/2023 20:38	NAH	EPA 6010C
Dissolved Mercury	<0.020	ug/L	0.020	0.080	1		7/11/2023 14:05	7/12/2023 12:04	MDS	EPA 7470A
<b>Organic Results</b>										
TPH as Mineral Spirits	<34	ug/L	34	110	1		7/10/2023 09:45	7/13/2023 23:59	AJZ	EPA 8015
1,2,4-Trimethylbenzene	<0.91	ug/L	0.91	3.1	1			7/11/2023 20:18	TMG	WDNR GRO
m & p-Xylene	<2.0	ug/L	2.0	6.7	1			7/11/2023 20:18	TMG	WDNR GRO
Naphthalene	<1.1	ug/L	1.1	3.4	1			7/11/2023 20:18	TMG	WDNR GRO
o-Xylene	<1.1	ug/L	1.1	3.4	1			7/11/2023 20:18	TMG	WDNR GRO
2,3,4,6-Tetrachlorophenol	<3.0	ug/L	0.76	2.5	1		7/10/2023 09:45	7/18/2023 20:13	ALD	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	0.96	3.2	1		7/10/2023 09:45	7/18/2023 20:13	ALD	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	0.89	3.0	1		7/10/2023 09:45	7/18/2023 20:13	ALD	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	0.98	3.3	1		7/10/2023 09:45	7/18/2023 20:13	ALD	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	0.54	1.9	1		7/10/2023 09:45	7/18/2023 20:13	ALD	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	1.1	3.6	1		7/10/2023 09:45	7/18/2023 20:13	ALD	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	0.95	3.2	1		7/10/2023 09:45	7/18/2023 20:13	ALD	EPA 8270D
2-Chlorophenol	<3.0	ug/L	0.69	2.4	1		7/10/2023 09:45	7/18/2023 20:13	ALD	EPA 8270D
2-Methylphenol	<3.0	ug/L	0.58	2.0	1		7/10/2023 09:45	7/18/2023 20:13	ALD	EPA 8270D
2-Nitrophenol	<3.0	ug/L	0.79	2.6	1		7/10/2023 09:45	7/18/2023 20:13	ALD	EPA 8270D

CT LAB Sample#: 1344932	Sample Description: W18	Sampled: 7/5/2023 14:20
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
3 & 4-Methylphenol	<3.0	ug/L	0.97	3.2	1		7/10/2023 09:45	7/18/2023 20:13	ALD	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	1.7	5.6	1		7/10/2023 09:45	7/18/2023 20:13	ALD	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	0.72	2.5	1		7/10/2023 09:45	7/18/2023 20:13	ALD	EPA 8270D
4-Nitrophenol	<3.0	ug/L	0.51	1.8	1		7/10/2023 09:45	7/18/2023 20:13	ALD	EPA 8270D
Pentachlorophenol	<3.0	ug/L	0.93	3.1	1		7/10/2023 09:45	7/18/2023 20:13	ALD	EPA 8270D
Phenol	<3.0	ug/L	0.42	1.5	1		7/10/2023 09:45	7/18/2023 20:13	ALD	EPA 8270D

CT LAB Sample#: 1344933	Sample Description: W28	Sampled: 7/5/2023 15:05
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Inorganic Results</b>										
Nitrate Nitrogen Total	2.7	mg/L	0.12	0.40	1			7/7/2023 12:17	TMG	EPA 9056A
Total Sulfate	11	mg/L	0.80	2.5	1			7/7/2023 12:17	TMG	EPA 9056A
Total Organic Carbon	<0.4	mg/L	0.4	3.0	1			7/12/2023 11:05	TMG	EPA 9060A
<b>Metals Results</b>										
Dissolved Iron	<25	ug/L	25	84	1			7/7/2023 20:46	NAH	EPA 6010C
Dissolved Manganese	2.4	ug/L	2.4 *	8.0	1			7/7/2023 20:46	NAH	EPA 6010C
Dissolved Mercury	<0.020	ug/L	0.020	0.080	1		7/11/2023 14:05	7/12/2023 12:07	MDS	EPA 7470A
<b>Organic Results</b>										
TPH as Mineral Spirits	<32	ug/L	32	110	1		7/10/2023 09:45	7/14/2023 00:33	AJZ	EPA 8015
1,2,4-Trimethylbenzene	<0.91	ug/L	0.91	3.1	1			7/11/2023 20:52	TMG	WDNR GRO
m & p-Xylene	<2.0	ug/L	2.0	6.7	1			7/11/2023 20:52	TMG	WDNR GRO
Naphthalene	<1.1	ug/L	1.1	3.4	1			7/11/2023 20:52	TMG	WDNR GRO

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 1344933    Sample Description: W28    Sampled: 7/5/2023 15:05

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
o-Xylene	<1.1	ug/L	1.1	3.4	1			7/11/2023 20:52	TMG	WDNR GRO
2,3,4,6-Tetrachlorophenol	<3.0	ug/L	0.77	2.6	1		7/10/2023 09:45	7/18/2023 20:36	ALD	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	0.97	3.3	1		7/10/2023 09:45	7/18/2023 20:36	ALD	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	0.90	3.1	1		7/10/2023 09:45	7/18/2023 20:36	ALD	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	0.99	3.4	1		7/10/2023 09:45	7/18/2023 20:36	ALD	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	0.54	1.9	1		7/10/2023 09:45	7/18/2023 20:36	ALD	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	1.1	3.7	1		7/10/2023 09:45	7/18/2023 20:36	ALD	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	0.96	3.3	1		7/10/2023 09:45	7/18/2023 20:36	ALD	EPA 8270D
2-Chlorophenol	<3.0	ug/L	0.69	2.4	1		7/10/2023 09:45	7/18/2023 20:36	ALD	EPA 8270D
2-Methylphenol	<3.0	ug/L	0.58	2.0	1		7/10/2023 09:45	7/18/2023 20:36	ALD	EPA 8270D
2-Nitrophenol	<3.0	ug/L	0.80	2.7	1		7/10/2023 09:45	7/18/2023 20:36	ALD	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	0.98	3.3	1		7/10/2023 09:45	7/18/2023 20:36	ALD	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	1.7	5.6	1		7/10/2023 09:45	7/18/2023 20:36	ALD	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	0.72	2.5	1		7/10/2023 09:45	7/18/2023 20:36	ALD	EPA 8270D
4-Nitrophenol	<3.0	ug/L	0.51	1.8	1		7/10/2023 09:45	7/18/2023 20:36	ALD	EPA 8270D
Pentachlorophenol	<3.0	ug/L	0.94	3.2	1		7/10/2023 09:45	7/18/2023 20:36	ALD	EPA 8270D
Phenol	<3.0	ug/L	0.43	1.5	1		7/10/2023 09:45	7/18/2023 20:36	ALD	EPA 8270D

CT LAB Sample#: 1344934    Sample Description: TRIP BLANK 01    Sampled: 7/5/2023 12:20

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Organic Results</b>										
1,2,4-Trimethylbenzene	<0.91	ug/L	0.91	3.1	1			7/11/2023 14:37	TMG	WDNR GRO
m & p-Xylene	<2.0	ug/L	2.0	6.7	1			7/11/2023 14:37	TMG	WDNR GRO

CT LAB Sample#: 1344934

Sample Description: TRIP BLANK 01

Sampled: 7/5/2023 12:20

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Naphthalene	<1.1	ug/L	1.1	3.4	1			7/11/2023 14:37	TMG	WDNR GRO
o-Xylene	<1.1	ug/L	1.1	3.4	1			7/11/2023 14:37	TMG	WDNR GRO

Notes: \* Indicates a value in between the LOD (limit of detection) and the LOQ (limit of quantitation). All LOD/LOQs are adjusted to reflect dilution and also any differences in the sample weight / volume as compared to standard amounts.

All samples were received intact and properly preserved unless otherwise noted. The results reported relate only to the samples tested. This report shall not be reproduced, except in full, without written approval of this laboratory. The Chain of Custody is attached.

Submitted by: **Brett M. Szymanski**  
 Project Manager  
 608-356-2760

**QC Qualifiers**

<u>Code</u>	<u>Description</u>
B	Analyte detected in the associated Method Blank.
C	Toxicity present in BOD sample.
D	Diluted Out.
E	Safe, No Total Coliform detected.
F	Unsafe, Total Coliform detected, no E. Coli detected.
G	Unsafe, Total Coliform detected and E. Coli detected.
H	Holding time exceeded.
I	Incubator temperature was outside acceptance limits during test period.
J	Estimated value.
L	Significant peaks were detected outside the chromatographic window.
M	Matrix spike and/or Matrix Spike Duplicate recovery outside acceptance limits.
N	Insufficient BOD oxygen depletion.
O	Complete BOD oxygen depletion.
P	Concentration of analyte differs more than 40% between primary and confirmation analysis.
Q	Laboratory Control Sample outside acceptance limits.
R	See Narrative at end of report.
S	Surrogate standard recovery outside acceptance limits due to apparent matrix effects.
T	Sample received with improper preservation or temperature.
U	Analyte concentration was below detection limit.
V	Raised Quantitation or Reporting Limit due to limited sample amount or dilution for matrix background interference.
W	Sample amount received was below program minimum.
X	Analyte exceeded calibration range.
Y	Replicate/Duplicate precision outside acceptance limits.
Z	Specified calibration criteria was not met.

**Current CT Laboratories Certifications**

Wisconsin (WDNR) Chemistry ID# 157066030  
 Wisconsin (DATCP) Bacteriology ID# 289  
 Louisiana NELAP (primary) ID# 115843  
 Illinois NELAP Lab ID# 200073  
 Kansas NELAP Lab ID# E-10368  
 Virginia NELAP Lab ID# 460203  
 ISO/IEC 17025-2005 A2LA Cert # 3806.01  
 DoD-ELAP A2LA 3806.01

Company Name: TRC  
 Project Contact: Bruce Iverson  
 Telephone: 608-826-3644  
 Project Name: Wauleco  
 Project Number: 189597.0012  
 Project Location: Wausau, WI  
 Sampled By: Tom Dushek

# CTLaboratories

Folder # 178756  
 Company: TRC ENVIRONMENTAL  
 Project: WAULECO  
 Logged By: erc P.M. BMS

1230 Lange Court, Baraboo, WI 53913  
 608-356-2760 Tel. Fx 608-356-2766  
 www.ctlaboratories.com

Mail Report To: Bruce Iverson  
 Company: TRC  
 Address: 708 Heartland Trail  
 City/State/Zip: Madison, WI 53717

Invoice To: Accounts Payable  
 Company: TRC  
 Address:  
 City/State/Zip:  
 PO No. 194539

Ice Present Yes No  
 Temperature LS-2 1127  
 Initials ROC G RL  
 Date 7/5/23 Time 9:40  
 Cooler # 6046, 6193, 5444, 6874

Contract No.

Regulatory Program:  
 UST RCRA SDWA NPDES  
 Solid Waste Other \_\_\_\_\_

**Turnaround Time**

Normal RUSH\* Date Needed \_\_\_\_\_  
 \*Notify Lab prior to sending in RUSH  
 Surcharges 24 hr 200% 2-3 days 100% 4-9 days 50%  
 Surcharges subject to change without notice.

Client Special Instructions:  
 VOC's - Report only  
 Naphthalene, xylenes,  
 1,2,4-trimethylbenzene.  
 Metals are filtered.

**Landfill License Number**

Collection		Field Screen	Field ID	Grab/Comp	Sample ID Description	Fill'd Y/N	WDNR Well ID #	*Matrix:	Phenols (8270)	TPH	VOC's (8020)	Diss. Hg	Nitrate	Sulfate	TOC	Diss. Fe, Mn	Total No of Containers	Total No of Cont. Rec'd	Preservation*	Lab ID #
Date	Time																			
Fill in Spaces with Bottles per Test																				
7/5/23	0710			G	W71	N		GW	2	1	3						6			1349924
	0755				W72				2	1	3						6			25
	0840				W8				2	1	3	1	1	✓	1	✓	9			26
	0945				W73				2	1	3	1	1	✓	1	✓	9			27
	1025				W74				2	1	3						6			28
	1110				W16				2	1	3	1	1	✓	1	✓	9			29
	1200				W32				2	1	3	1	1				8			30
	1325				W31				2	1	3	1	1				8			31
✓	1420			✓	W18	✓			2	1	3	1	1	✓	1	✓	9			32
									A	A	B	D	A	A	C	D				

Relinquished By: S.J. Dushek Date/Time: 7/5/23 1630  
 Received by: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Relinquished By: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Received by: IV 7/5/23 1033 Date/Time: \_\_\_\_\_

**\*\*Matrix**  
 S-Soil A-Air Slg-Sludge M-Misc Waste  
 GW-Groundwater SW-Surface Water  
 WW-Wastewater DW-Drinking Water

**\* Preservation Code**  
 A=None B=HCL  
 C=H2SO4 D=HNO3  
 E=Encore F=Methanol  
 G=NaOH  
 O=Other \_\_\_\_\_



Company Name: TRC  
 Project Contact: Bruce Iverson  
 Telephone: 608-826-3644  
 Project Name: Wauleco  
 Project Number: 189597.0012  
 Project Location: Wausau, WI  
 Sampled By: Tom Dushek

# CTLaboratories

1230 Lange Court, Baraboo, WI 53913  
 608-356-2760 Tel. Fx 608-356-2766  
 www.ctlaboratories.com

Mail Report To: Bruce Iverson  
 Company: TRC  
 Address: 708 Heartland Trail  
 City/State/Zip: Madison, WI 53717

Invoice To: Accounts Payable  
 Company: TRC  
 Address:  
 City/State/Zip:  
 PO No. 194539

Regulatory Program:  
 UST RCRA SDWA NPDES  
 Solid Waste Other \_\_\_\_\_

Place Header Sticker Here:  
 Lab Use Only

178756

Ice Present Yes No

Temperature 5.2 1227

Initials BU GR

Date 7/5/23 Time 940

Cooler # 6046, 6499, 5444, 6179

Contract No.

**Turnaround Time**

Normal RUSH\* Date Needed \_\_\_\_\_

\*Notify Lab prior to sending in RUSH  
 Surcharges 24 hr 200% 2-3 days 100% 4-9 days 50%  
 Surcharges subject to change without notice.

**Landfill License Number**

Client Special Instructions:  
 VOC's - Report only  
 Naphthalene, xylenes,  
 1,2,4-trimethylbenzene.  
 Metals are filtered.

Collection		Field Screen	Field ID	Grab/Comp	Sample ID Description	Pitrd Y/N	WDNR Well ID #	*Matrix:	Phenols (8270)	TPH	VOC's (8020)	Diss. Hg	Nitrate	Sulfate	TDC	Diss. Fe, Mn	Total No of Containers	Total No of Cont. Rec'd	Preservation*	Lab ID #
Date	Time						Fill in Spaces with Bottles per Test													
7/5/23	1505			G	W28	N		GW	2	1	3	1	1	✓	1	✓	9			1344932
↓	1220			↓	Fig Blank 01	↓		↓			1						1			- 34
									A	A	B	D	A	A	C	D				

Relinquished By:

Date/Time  
 7/5/23  
 1630

Relinquished By:

Date/Time

**\*\*Matrix**  
 S-Soil A-Air Slg-Sludge M-Misc Waste  
 GW-Groundwater SW-Surface Water  
 WW-Wastewater DW-Drinking Water

**\* Preservation Code**  
 A=None B=HCL  
 C=H2SO4 D=HNO3  
 E=Encore F=Methanol  
 G=NaOH  
 O=Other \_\_\_\_\_

Received by:

Date/Time

Received by:

Date/Time

fu 7/6/23 1033

**ANALYTICAL REPORT**

TRC ENVIRONMENTAL  
 BRUCE IVERSON  
 999 FOURIER DRIVE  
 SUITE 101  
 MADISON, WI 53717

Project Name: WAULECO  
 Project Phase:  
 Contract #: 2399  
 Project #: 189597.0012  
 Folder #: 178811  
 Purchase Order #: 194539

Page 1 of 13  
 Arrival Temperature: 4.9  
 Report Date: 7/21/2023  
 Date Received: 7/7/2023  
 Reprint Date: 7/21/2023

CT LAB Sample#: 1345435	Sample Description: W10B	Sampled: 7/6/2023 07:15
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Inorganic Results</b>										
Nitrate Nitrogen Total	0.36	mg/L	0.12 *	0.40	1			7/7/2023 14:45	DGS	EPA 9056A
<b>Metals Results</b>										
Dissolved Mercury	<0.020	ug/L	0.020	0.080	1		7/11/2023 14:05	7/12/2023 12:10	MDS	EPA 7470A
<b>Organic Results</b>										
TPH as Mineral Spirits	44	ug/L	32 *	110	1		7/10/2023 09:45	7/14/2023 01:07	AJZ	EPA 8015
1,2,4-Trimethylbenzene	1.00	ug/L	0.91 *	3.1	1			7/11/2023 21:26	TMG	WDNR GRO
m & p-Xylene	<2.0	ug/L	2.0	6.7	1			7/11/2023 21:26	TMG	WDNR GRO
Naphthalene	<1.1	ug/L	1.1	3.4	1			7/11/2023 21:26	TMG	WDNR GRO
o-Xylene	<1.1	ug/L	1.1	3.4	1			7/11/2023 21:26	TMG	WDNR GRO
2,3,4,6-Tetrachlorophenol	0.78	ug/L	0.76 *	2.5	1		7/10/2023 09:45	7/18/2023 21:00	ALD	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	0.95	3.2	1		7/10/2023 09:45	7/18/2023 21:00	ALD	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	0.88	3.0	1		7/10/2023 09:45	7/18/2023 21:00	ALD	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	0.97	3.3	1		7/10/2023 09:45	7/18/2023 21:00	ALD	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	0.53	1.8	1		7/10/2023 09:45	7/18/2023 21:00	ALD	EPA 8270D

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 1345435 Sample Description: W10B Sampled: 7/6/2023 07:15

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,4-Dinitrophenol	<3.0	ug/L	1.1	3.6	1		7/10/2023 09:45	7/18/2023 21:00	ALD	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	0.94	3.2	1		7/10/2023 09:45	7/18/2023 21:00	ALD	EPA 8270D
2-Chlorophenol	<3.0	ug/L	0.68	2.3	1		7/10/2023 09:45	7/18/2023 21:00	ALD	EPA 8270D
2-Methylphenol	<3.0	ug/L	0.57	1.9	1		7/10/2023 09:45	7/18/2023 21:00	ALD	EPA 8270D
2-Nitrophenol	<3.0	ug/L	0.79	2.6	1		7/10/2023 09:45	7/18/2023 21:00	ALD	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	0.96	3.2	1		7/10/2023 09:45	7/18/2023 21:00	ALD	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	1.7	5.5	1		7/10/2023 09:45	7/18/2023 21:00	ALD	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	0.71	2.4	1		7/10/2023 09:45	7/18/2023 21:00	ALD	EPA 8270D
4-Nitrophenol	<3.0	ug/L	0.50	1.7	1		7/10/2023 09:45	7/18/2023 21:00	ALD	EPA 8270D
Pentachlorophenol	<b>5.9</b>	ug/L	0.92	3.1	1		7/10/2023 09:45	7/18/2023 21:00	ALD	EPA 8270D
Phenol	<3.0	ug/L	0.42	1.5	1		7/10/2023 09:45	7/18/2023 21:00	ALD	EPA 8270D

CT LAB Sample#: 1345438 Sample Description: TRIP BLANK 02 Sampled: 7/6/2023 07:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Organic Results</b>										
1,2,4-Trimethylbenzene	<0.91	ug/L	0.91	3.1	1			7/11/2023 15:11	TMG	WDNR GRO
m & p-Xylene	<2.0	ug/L	2.0	6.7	1			7/11/2023 15:11	TMG	WDNR GRO
Naphthalene	<1.1	ug/L	1.1	3.4	1			7/11/2023 15:11	TMG	WDNR GRO
o-Xylene	<1.1	ug/L	1.1	3.4	1			7/11/2023 15:11	TMG	WDNR GRO

CT LAB Sample#: 1345439 Sample Description: W9 Sampled: 7/6/2023 08:05

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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CT LAB Sample#: 1345439 Sample Description: W9

Sampled: 7/6/2023 08:05

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Inorganic Results</b>										
Nitrate Nitrogen Total	<0.12	mg/L	0.12	0.40	1			7/7/2023 15:20	DGS	EPA 9056A
<b>Metals Results</b>										
Dissolved Mercury	<0.020	ug/L	0.020	0.080	1		7/11/2023 14:05	7/12/2023 12:13	MDS	EPA 7470A
<b>Organic Results</b>										
TPH as Mineral Spirits	<b>78</b>	ug/L	32 *	110	1		7/10/2023 09:45	7/14/2023 01:41	AJZ	EPA 8015
1,2,4-Trimethylbenzene	<0.91	ug/L	0.91	3.1	1			7/12/2023 00:18	TMG	WDNR GRO
m & p-Xylene	<2.0	ug/L	2.0	6.7	1			7/12/2023 00:18	TMG	WDNR GRO
Naphthalene	<1.1	ug/L	1.1	3.4	1			7/12/2023 00:18	TMG	WDNR GRO
o-Xylene	<1.1	ug/L	1.1	3.4	1			7/12/2023 00:18	TMG	WDNR GRO
2,3,4,6-Tetrachlorophenol	<3.0	ug/L	0.77	2.6	1		7/10/2023 09:45	7/18/2023 21:24	ALD	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	0.97	3.3	1		7/10/2023 09:45	7/18/2023 21:24	ALD	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	0.90	3.1	1		7/10/2023 09:45	7/18/2023 21:24	ALD	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	0.99	3.4	1		7/10/2023 09:45	7/18/2023 21:24	ALD	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	0.54	1.9	1		7/10/2023 09:45	7/18/2023 21:24	ALD	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	1.1	3.7	1		7/10/2023 09:45	7/18/2023 21:24	ALD	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	0.96	3.3	1		7/10/2023 09:45	7/18/2023 21:24	ALD	EPA 8270D
2-Chlorophenol	<3.0	ug/L	0.69	2.4	1		7/10/2023 09:45	7/18/2023 21:24	ALD	EPA 8270D
2-Methylphenol	<3.0	ug/L	0.58	2.0	1		7/10/2023 09:45	7/18/2023 21:24	ALD	EPA 8270D
2-Nitrophenol	<3.0	ug/L	0.80	2.7	1		7/10/2023 09:45	7/18/2023 21:24	ALD	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	0.98	3.3	1		7/10/2023 09:45	7/18/2023 21:24	ALD	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	1.7	5.6	1		7/10/2023 09:45	7/18/2023 21:24	ALD	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	0.72	2.5	1		7/10/2023 09:45	7/18/2023 21:24	ALD	EPA 8270D
4-Nitrophenol	<3.0	ug/L	0.51	1.8	1		7/10/2023 09:45	7/18/2023 21:24	ALD	EPA 8270D

CT LAB Sample#: 1345439	Sample Description: W9	Sampled: 7/6/2023 08:05
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Pentachlorophenol	<3.0	ug/L	0.94	3.2	1		7/10/2023 09:45	7/18/2023 21:24	ALD	EPA 8270D
Phenol	<3.0	ug/L	0.43	1.5	1		7/10/2023 09:45	7/18/2023 21:24	ALD	EPA 8270D

CT LAB Sample#: 1345440	Sample Description: W12	Sampled: 7/6/2023 09:00
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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**Inorganic Results**

Nitrate Nitrogen Total	<b>6.8</b>	mg/L	0.12	0.40	1			7/7/2023 15:56	DGS	EPA 9056A
Total Sulfate	<b>20</b>	mg/L	0.80	2.5	1			7/7/2023 15:56	DGS	EPA 9056A
Total Organic Carbon	<0.4	mg/L	0.4	3.0	1			7/12/2023 11:16	TMG	EPA 9060A

**Metals Results**

Dissolved Iron	<25	ug/L	25	84	1			7/7/2023 20:54	NAH	EPA 6010C
Dissolved Manganese	<2.4	ug/L	2.4	8.0	1			7/7/2023 20:54	NAH	EPA 6010C
Dissolved Mercury	<0.020	ug/L	0.020	0.080	1		7/11/2023 14:05	7/12/2023 12:16	MDS	EPA 7470A

**Organic Results**

TPH as Mineral Spirits	<32	ug/L	32	110	1		7/10/2023 09:45	7/14/2023 02:17	AJZ	EPA 8015
1,2,4-Trimethylbenzene	<0.91	ug/L	0.91	3.1	1			7/12/2023 00:52	TMG	WDNR GRO
m & p-Xylene	<2.0	ug/L	2.0	6.7	1			7/12/2023 00:52	TMG	WDNR GRO
Naphthalene	<1.1	ug/L	1.1	3.4	1			7/12/2023 00:52	TMG	WDNR GRO
o-Xylene	<1.1	ug/L	1.1	3.4	1			7/12/2023 00:52	TMG	WDNR GRO
2,3,4,6-Tetrachlorophenol	<3.0	ug/L	0.78	2.6	1		7/10/2023 09:45	7/18/2023 21:48	ALD	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	0.98	3.3	1		7/10/2023 09:45	7/18/2023 21:48	ALD	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	0.91	3.1	1		7/10/2023 09:45	7/18/2023 21:48	ALD	EPA 8270D

CT LAB Sample#: 1345440

Sample Description: W12

Sampled: 7/6/2023 09:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,4-Dichlorophenol	<3.0	ug/L	1.0	3.4	1		7/10/2023 09:45	7/18/2023 21:48	ALD	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	0.55	1.9	1		7/10/2023 09:45	7/18/2023 21:48	ALD	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	1.1	3.7	1		7/10/2023 09:45	7/18/2023 21:48	ALD	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	0.97	3.3	1		7/10/2023 09:45	7/18/2023 21:48	ALD	EPA 8270D
2-Chlorophenol	<3.0	ug/L	0.70	2.4	1		7/10/2023 09:45	7/18/2023 21:48	ALD	EPA 8270D
2-Methylphenol	<3.0	ug/L	0.59	2.0	1		7/10/2023 09:45	7/18/2023 21:48	ALD	EPA 8270D
2-Nitrophenol	<3.0	ug/L	0.81	2.7	1		7/10/2023 09:45	7/18/2023 21:48	ALD	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	0.99	3.3	1		7/10/2023 09:45	7/18/2023 21:48	ALD	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	1.7	5.7	1		7/10/2023 09:45	7/18/2023 21:48	ALD	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	0.73	2.5	1		7/10/2023 09:45	7/18/2023 21:48	ALD	EPA 8270D
4-Nitrophenol	<3.0	ug/L	0.52	1.8	1		7/10/2023 09:45	7/18/2023 21:48	ALD	EPA 8270D
Pentachlorophenol	<3.0	ug/L	0.95	3.2	1		7/10/2023 09:45	7/18/2023 21:48	ALD	EPA 8270D
Phenol	<3.0	ug/L	0.43	1.5	1		7/10/2023 09:45	7/18/2023 21:48	ALD	EPA 8270D

CT LAB Sample#: 1345441

Sample Description: W25

Sampled: 7/6/2023 09:55

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Inorganic Results</b>										
Nitrate Nitrogen Total	<b>6.8</b>	mg/L	0.12	0.40	1			7/7/2023 16:31	DGS	EPA 9056A
<b>Metals Results</b>										
Dissolved Mercury	<0.020	ug/L	0.020	0.080	1		7/11/2023 14:05	7/12/2023 12:20	MDS	EPA 7470A
<b>Organic Results</b>										
TPH as Mineral Spirits	<32	ug/L	32	110	1		7/10/2023 09:45	7/14/2023 02:52	AJZ	EPA 8015

CT LAB Sample#: 1345441    Sample Description: W25    Sampled: 7/6/2023 09:55

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2,4-Trimethylbenzene	<0.91	ug/L	0.91	3.1	1			7/12/2023 01:26	TMG	WDNR GRO
m & p-Xylene	<2.0	ug/L	2.0	6.7	1			7/12/2023 01:26	TMG	WDNR GRO
Naphthalene	<1.1	ug/L	1.1	3.4	1			7/12/2023 01:26	TMG	WDNR GRO
o-Xylene	<1.1	ug/L	1.1	3.4	1			7/12/2023 01:26	TMG	WDNR GRO
2,3,4,6-Tetrachlorophenol	<3.0	ug/L	0.76	2.5	1		7/10/2023 09:45	7/18/2023 22:11	ALD	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	0.95	3.2	1		7/10/2023 09:45	7/18/2023 22:11	ALD	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	0.88	3.0	1		7/10/2023 09:45	7/18/2023 22:11	ALD	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	0.97	3.3	1		7/10/2023 09:45	7/18/2023 22:11	ALD	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	0.53	1.8	1		7/10/2023 09:45	7/18/2023 22:11	ALD	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	1.1	3.6	1		7/10/2023 09:45	7/18/2023 22:11	ALD	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	0.94	3.2	1		7/10/2023 09:45	7/18/2023 22:11	ALD	EPA 8270D
2-Chlorophenol	<3.0	ug/L	0.68	2.3	1		7/10/2023 09:45	7/18/2023 22:11	ALD	EPA 8270D
2-Methylphenol	<3.0	ug/L	0.57	1.9	1		7/10/2023 09:45	7/18/2023 22:11	ALD	EPA 8270D
2-Nitrophenol	<3.0	ug/L	0.79	2.6	1		7/10/2023 09:45	7/18/2023 22:11	ALD	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	0.96	3.2	1		7/10/2023 09:45	7/18/2023 22:11	ALD	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	1.7	5.5	1		7/10/2023 09:45	7/18/2023 22:11	ALD	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	0.71	2.4	1		7/10/2023 09:45	7/18/2023 22:11	ALD	EPA 8270D
4-Nitrophenol	<3.0	ug/L	0.50	1.7	1		7/10/2023 09:45	7/18/2023 22:11	ALD	EPA 8270D
Pentachlorophenol	<b>2.3</b>	ug/L	0.92 *	3.1	1		7/10/2023 09:45	7/18/2023 22:11	ALD	EPA 8270D
Phenol	<3.0	ug/L	0.42	1.5	1		7/10/2023 09:45	7/18/2023 22:11	ALD	EPA 8270D

CT LAB Sample#: 1345442    Sample Description: W36    Sampled: 7/6/2023 10:35

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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CT LAB Sample#: 1345442    Sample Description: W36

Sampled: 7/6/2023 10:35

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Inorganic Results</b>										
Nitrate Nitrogen Total	7.0	mg/L	0.12	0.40	1			7/7/2023 17:06	DGS	EPA 9056A
<b>Metals Results</b>										
Dissolved Mercury	<0.020	ug/L	0.020	0.080	1		7/11/2023 14:05	7/12/2023 12:23	MDS	EPA 7470A
<b>Organic Results</b>										
TPH as Mineral Spirits	<32	ug/L	32	110	1		7/10/2023 09:45	7/14/2023 03:26	AJZ	EPA 8015
1,2,4-Trimethylbenzene	<0.91	ug/L	0.91	3.1	1			7/12/2023 02:01	TMG	WDNR GRO
m & p-Xylene	<2.0	ug/L	2.0	6.7	1			7/12/2023 02:01	TMG	WDNR GRO
Naphthalene	<1.1	ug/L	1.1	3.4	1			7/12/2023 02:01	TMG	WDNR GRO
o-Xylene	<1.1	ug/L	1.1	3.4	1			7/12/2023 02:01	TMG	WDNR GRO
2,3,4,6-Tetrachlorophenol	<3.0	ug/L	0.75	2.5	1		7/10/2023 09:45	7/18/2023 22:35	ALD	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	0.94	3.2	1		7/10/2023 09:45	7/18/2023 22:35	ALD	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	0.88	3.0	1		7/10/2023 09:45	7/18/2023 22:35	ALD	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	0.96	3.3	1		7/10/2023 09:45	7/18/2023 22:35	ALD	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	0.53	1.8	1		7/10/2023 09:45	7/18/2023 22:35	ALD	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	1.1	3.6	1		7/10/2023 09:45	7/18/2023 22:35	ALD	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	0.93	3.2	1		7/10/2023 09:45	7/18/2023 22:35	ALD	EPA 8270D
2-Chlorophenol	<3.0	ug/L	0.67	2.3	1		7/10/2023 09:45	7/18/2023 22:35	ALD	EPA 8270D
2-Methylphenol	<3.0	ug/L	0.57	1.9	1		7/10/2023 09:45	7/18/2023 22:35	ALD	EPA 8270D
2-Nitrophenol	<3.0	ug/L	0.78	2.6	1		7/10/2023 09:45	7/18/2023 22:35	ALD	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	0.95	3.2	1		7/10/2023 09:45	7/18/2023 22:35	ALD	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	1.6	5.5	1		7/10/2023 09:45	7/18/2023 22:35	ALD	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	0.70	2.4	1		7/10/2023 09:45	7/18/2023 22:35	ALD	EPA 8270D
4-Nitrophenol	<3.0	ug/L	0.50	1.7	1		7/10/2023 09:45	7/18/2023 22:35	ALD	EPA 8270D

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis



CT LAB Sample#: 1345442	Sample Description: W36	Sampled: 7/6/2023 10:35
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Pentachlorophenol	3.1	ug/L	0.91	3.1	1		7/10/2023 09:45	7/18/2023 22:35	ALD	EPA 8270D
Phenol	<3.0	ug/L	0.41	1.4	1		7/10/2023 09:45	7/18/2023 22:35	ALD	EPA 8270D

CT LAB Sample#: 1345443	Sample Description: W3B	Sampled: 7/6/2023 11:40
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Inorganic Results</b>										
Nitrate Nitrogen Total	3.5	mg/L	0.12	0.40	1			7/7/2023 18:17	DGS	EPA 9056A
<b>Metals Results</b>										
Dissolved Mercury	<0.020	ug/L	0.020	0.080	1		7/11/2023 14:05	7/12/2023 12:35	MDS	EPA 7470A
<b>Organic Results</b>										
TPH as Mineral Spirits	<32	ug/L	32	110	1		7/10/2023 09:45	7/14/2023 04:01	AJZ	EPA 8015
1,2,4-Trimethylbenzene	<0.91	ug/L	0.91	3.1	1			7/12/2023 02:34	TMG	WDNR GRO
m & p-Xylene	<2.0	ug/L	2.0	6.7	1			7/12/2023 02:34	TMG	WDNR GRO
Naphthalene	<1.1	ug/L	1.1	3.4	1			7/12/2023 02:34	TMG	WDNR GRO
o-Xylene	<1.1	ug/L	1.1	3.4	1			7/12/2023 02:34	TMG	WDNR GRO
2,3,4,6-Tetrachlorophenol	<3.0	ug/L	0.76	2.5	1		7/10/2023 09:45	7/18/2023 22:59	ALD	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	0.96	3.2	1		7/10/2023 09:45	7/18/2023 22:59	ALD	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	0.89	3.0	1		7/10/2023 09:45	7/18/2023 22:59	ALD	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	0.98	3.3	1		7/10/2023 09:45	7/18/2023 22:59	ALD	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	0.54	1.9	1		7/10/2023 09:45	7/18/2023 22:59	ALD	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	1.1	3.6	1		7/10/2023 09:45	7/18/2023 22:59	ALD	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	0.95	3.2	1		7/10/2023 09:45	7/18/2023 22:59	ALD	EPA 8270D

CT LAB Sample#: 1345443    Sample Description: W3B    Sampled: 7/6/2023 11:40

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2-Chlorophenol	<3.0	ug/L	0.69	2.4	1		7/10/2023 09:45	7/18/2023 22:59	ALD	EPA 8270D
2-Methylphenol	<3.0	ug/L	0.58	2.0	1		7/10/2023 09:45	7/18/2023 22:59	ALD	EPA 8270D
2-Nitrophenol	<3.0	ug/L	0.79	2.6	1		7/10/2023 09:45	7/18/2023 22:59	ALD	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	0.97	3.2	1		7/10/2023 09:45	7/18/2023 22:59	ALD	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	1.7	5.6	1		7/10/2023 09:45	7/18/2023 22:59	ALD	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	0.72	2.5	1		7/10/2023 09:45	7/18/2023 22:59	ALD	EPA 8270D
4-Nitrophenol	<3.0	ug/L	0.51	1.8	1		7/10/2023 09:45	7/18/2023 22:59	ALD	EPA 8270D
Pentachlorophenol	<b>2.4</b>	ug/L	0.93 *	3.1	1		7/10/2023 09:45	7/18/2023 22:59	ALD	EPA 8270D
Phenol	<3.0	ug/L	0.42	1.5	1		7/10/2023 09:45	7/18/2023 22:59	ALD	EPA 8270D

CT LAB Sample#: 1345444    Sample Description: W29R    Sampled: 7/6/2023 12:50

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Inorganic Results</b>										
Nitrate Nitrogen Total	<0.12	mg/L	0.12	0.40	1			7/7/2023 18:52	DGS	EPA 9056A
Total Sulfate	<b>4.1</b>	mg/L	0.80	2.5	1			7/7/2023 18:52	DGS	EPA 9056A
Total Organic Carbon	<b>4.9</b>	mg/L	0.4	3.0	1			7/12/2023 11:29	TMG	EPA 9060A
<b>Metals Results</b>										
Dissolved Iron	<b>81.9</b>	ug/L	25 *	84	1			7/7/2023 21:01	NAH	EPA 6010C
Dissolved Manganese	<b>86.6</b>	ug/L	2.4	8.0	1			7/7/2023 21:01	NAH	EPA 6010C
Dissolved Mercury	<0.020	ug/L	0.020	0.080	1		7/11/2023 14:05	7/12/2023 12:39	MDS	EPA 7470A
<b>Organic Results</b>										
TPH as Mineral Spirits	<32	ug/L	32	110	1		7/10/2023 09:45	7/14/2023 04:36	AJZ	EPA 8015

CT LAB Sample#: 1345444    Sample Description: W29R    Sampled: 7/6/2023 12:50

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2,4-Trimethylbenzene	<0.91	ug/L	0.91	3.1	1			7/12/2023 03:08	TMG	WDNR GRO
m & p-Xylene	<2.0	ug/L	2.0	6.7	1			7/12/2023 03:08	TMG	WDNR GRO
Naphthalene	<1.1	ug/L	1.1	3.4	1			7/12/2023 03:08	TMG	WDNR GRO
o-Xylene	<1.1	ug/L	1.1	3.4	1			7/12/2023 03:08	TMG	WDNR GRO
2,3,4,6-Tetrachlorophenol	<b>4.6</b>	ug/L	0.77	2.6	1		7/10/2023 09:45	7/18/2023 23:22	ALD	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	0.97	3.3	1		7/10/2023 09:45	7/18/2023 23:22	ALD	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	0.90	3.1	1		7/10/2023 09:45	7/18/2023 23:22	ALD	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	0.99	3.4	1		7/10/2023 09:45	7/18/2023 23:22	ALD	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	0.54	1.9	1		7/10/2023 09:45	7/18/2023 23:22	ALD	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	1.1	3.7	1		7/10/2023 09:45	7/18/2023 23:22	ALD	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	0.96	3.3	1		7/10/2023 09:45	7/18/2023 23:22	ALD	EPA 8270D
2-Chlorophenol	<3.0	ug/L	0.69	2.4	1		7/10/2023 09:45	7/18/2023 23:22	ALD	EPA 8270D
2-Methylphenol	<3.0	ug/L	0.58	2.0	1		7/10/2023 09:45	7/18/2023 23:22	ALD	EPA 8270D
2-Nitrophenol	<3.0	ug/L	0.80	2.7	1		7/10/2023 09:45	7/18/2023 23:22	ALD	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	0.98	3.3	1		7/10/2023 09:45	7/18/2023 23:22	ALD	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	1.7	5.6	1		7/10/2023 09:45	7/18/2023 23:22	ALD	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	0.72	2.5	1		7/10/2023 09:45	7/18/2023 23:22	ALD	EPA 8270D
4-Nitrophenol	<3.0	ug/L	0.51	1.8	1		7/10/2023 09:45	7/18/2023 23:22	ALD	EPA 8270D
Pentachlorophenol	<b>24</b>	ug/L	0.94	3.2	1		7/10/2023 09:45	7/18/2023 23:22	ALD	EPA 8270D
Phenol	<3.0	ug/L	0.43	1.5	1		7/10/2023 09:45	7/18/2023 23:22	ALD	EPA 8270D

CT LAB Sample#: 1345445    Sample Description: W26R    Sampled: 7/6/2023 13:45

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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CT LAB Sample#: 1345445

Sample Description: W26R

Sampled: 7/6/2023 13:45

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Inorganic Results</b>										
Nitrate Nitrogen Total	0.63	mg/L	0.12	0.40	1			7/7/2023 19:28	DGS	EPA 9056A
Total Sulfate	14	mg/L	0.80	2.5	1			7/7/2023 19:28	DGS	EPA 9056A
Total Organic Carbon	2.7	mg/L	0.4 *	3.0	1			7/12/2023 11:40	TMG	EPA 9060A
<b>Metals Results</b>										
Dissolved Iron	<25	ug/L	25	84	1			7/7/2023 21:09	NAH	EPA 6010C
Dissolved Manganese	1420	ug/L	2.4	8.0	1			7/7/2023 21:09	NAH	EPA 6010C
Dissolved Mercury	<0.020	ug/L	0.020	0.080	1		7/11/2023 14:05	7/12/2023 12:42	MDS	EPA 7470A
<b>Organic Results</b>										
TPH as Mineral Spirits	44	ug/L	32 *	110	1		7/10/2023 09:45	7/14/2023 05:10	AJZ	EPA 8015
1,2,4-Trimethylbenzene	1.5	ug/L	0.91 *	3.1	1			7/12/2023 03:43	TMG	WDNR GRO
m & p-Xylene	<2.0	ug/L	2.0	6.7	1			7/12/2023 03:43	TMG	WDNR GRO
Naphthalene	<1.1	ug/L	1.1	3.4	1			7/12/2023 03:43	TMG	WDNR GRO
o-Xylene	<1.1	ug/L	1.1	3.4	1			7/12/2023 03:43	TMG	WDNR GRO
2,3,4,6-Tetrachlorophenol	6.5	ug/L	0.76	2.5	1		7/10/2023 09:45	7/18/2023 23:46	ALD	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	0.95	3.2	1		7/10/2023 09:45	7/18/2023 23:46	ALD	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	0.88	3.0	1		7/10/2023 09:45	7/18/2023 23:46	ALD	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	0.97	3.3	1		7/10/2023 09:45	7/18/2023 23:46	ALD	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	0.53	1.8	1		7/10/2023 09:45	7/18/2023 23:46	ALD	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	1.1	3.6	1		7/10/2023 09:45	7/18/2023 23:46	ALD	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	0.94	3.2	1		7/10/2023 09:45	7/18/2023 23:46	ALD	EPA 8270D
2-Chlorophenol	<3.0	ug/L	0.68	2.3	1		7/10/2023 09:45	7/18/2023 23:46	ALD	EPA 8270D
2-Methylphenol	<3.0	ug/L	0.57	1.9	1		7/10/2023 09:45	7/18/2023 23:46	ALD	EPA 8270D
2-Nitrophenol	<3.0	ug/L	0.79	2.6	1		7/10/2023 09:45	7/18/2023 23:46	ALD	EPA 8270D

CT LAB Sample#: 1345445

Sample Description: W26R

Sampled: 7/6/2023 13:45

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
3 & 4-Methylphenol	<3.0	ug/L	0.96	3.2	1		7/10/2023 09:45	7/18/2023 23:46	ALD	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	1.7	5.5	1		7/10/2023 09:45	7/18/2023 23:46	ALD	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	0.71	2.4	1		7/10/2023 09:45	7/18/2023 23:46	ALD	EPA 8270D
4-Nitrophenol	<3.0	ug/L	0.50	1.7	1		7/10/2023 09:45	7/18/2023 23:46	ALD	EPA 8270D
Pentachlorophenol	<b>110</b>	ug/L	4.6	16	5		7/10/2023 09:45	7/19/2023 09:38	ALD	EPA 8270D
Phenol	<3.0	ug/L	0.42	1.5	1		7/10/2023 09:45	7/18/2023 23:46	ALD	EPA 8270D

Notes: \* Indicates a value in between the LOD (limit of detection) and the LOQ (limit of quantitation). All LOD/LOQs are adjusted to reflect dilution and also any differences in the sample weight / volume as compared to standard amounts.

All samples were received intact and properly preserved unless otherwise noted. The results reported relate only to the samples tested. This report shall not be reproduced, except in full, without written approval of this laboratory. The Chain of Custody is attached.

Submitted by: **Brett M. Szymanski**  
 Project Manager  
 608-356-2760

**QC Qualifiers**

<b>Code</b>	<b>Description</b>
<b>B</b>	<b>Analyte detected in the associated Method Blank.</b>
<b>C</b>	<b>Toxicity present in BOD sample.</b>
<b>D</b>	<b>Diluted Out.</b>
<b>E</b>	<b>Safe, No Total Coliform detected.</b>
<b>F</b>	<b>Unsafe, Total Coliform detected, no E. Coli detected.</b>
<b>G</b>	<b>Unsafe, Total Coliform detected and E. Coli detected.</b>
<b>H</b>	<b>Holding time exceeded.</b>
<b>I</b>	<b>Incubator temperature was outside acceptance limits during test period.</b>
<b>J</b>	<b>Estimated value.</b>
<b>L</b>	<b>Significant peaks were detected outside the chromatographic window.</b>
<b>M</b>	<b>Matrix spike and/or Matrix Spike Duplicate recovery outside acceptance limits.</b>
<b>N</b>	<b>Insufficient BOD oxygen depletion.</b>
<b>O</b>	<b>Complete BOD oxygen depletion.</b>
<b>P</b>	<b>Concentration of analyte differs more than 40% between primary and confirmation analysis.</b>
<b>Q</b>	<b>Laboratory Control Sample outside acceptance limits.</b>
<b>R</b>	<b>See Narrative at end of report.</b>
<b>S</b>	<b>Surrogate standard recovery outside acceptance limits due to apparent matrix effects.</b>
<b>T</b>	<b>Sample received with improper preservation or temperature.</b>
<b>U</b>	<b>Analyte concentration was below detection limit.</b>
<b>V</b>	<b>Raised Quantitation or Reporting Limit due to limited sample amount or dilution for matrix background interference.</b>
<b>W</b>	<b>Sample amount received was below program minimum.</b>
<b>X</b>	<b>Analyte exceeded calibration range.</b>
<b>Y</b>	<b>Replicate/Duplicate precision outside acceptance limits.</b>
<b>Z</b>	<b>Specified calibration criteria was not met.</b>

**Current CT Laboratories Certifications**

Wisconsin (WDNR) Chemistry ID# 157066030  
 Wisconsin (DATCP) Bacteriology ID# 289  
 Louisiana NELAP (primary) ID# 115843  
 Illinois NELAP Lab ID# 200073  
 Kansas NELAP Lab ID# E-10368  
 Virginia NELAP Lab ID# 460203  
 ISO/IEC 17025-2005 A2LA Cert # 3806.01  
 DoD-ELAP A2LA 3806.01

Company Name: TRC  
 Project Contact: Bruce Iverson  
 Telephone: 608-826-3644  
 Project Name: Wauleco  
 Project Number: 189597.0012  
 Project Location: Wausau, WI  
 Sampled By: Tom Dushek

# CTLaboratories

Mail Report To: Bruce Iverson  
 Company: TRC  
 Address: 708 Heartland Trail  
 City/State/Zip: Madison, WI 53717

1230 Lange Court, Baraboo, WI 53913  
 608-356-2760 Tel. Fx 608-356-2766  
 www.ctlaboratories.com

Folder #: 178811  
 Company: TRC ENVIRONMENTAL  
 Project: WAULECO

Ice Present Yes No

Temperature 15.0 mm

Initials ERC GRL

Date 7/7/23 Time 9:30

Cooler # 5373, 5383, 6584

Invoice To: Accounts Payable

Company: TRC

Address:

City/State/Zip:

PO No. 194539

Contract No.

Regulatory Program:  
 UST RCRA SDWA NPDES  
 Solid Waste Other \_\_\_\_\_

Logged By: erc PM BMS

**Turnaround Time**

Normal RUSH\* Date Needed \_\_\_\_\_

\*Notify Lab prior to sending in RUSH  
 Surcharges 24 hr 200% 2-3 days 100% 4-9 days 50%  
 Surcharges subject to change without notice.

**Landfill License Number**

Collection Date	Time	Field Screen	Field ID	Grab/Comp	Sample ID Description	Field Y/N
7/6/23	0715			G	W10B	N
	0730				Tri-Blank 02	
	0805				W9	
	0900				W12	
	0955				W25	
	1035				W36	
	1140				W3B	
	1250				W29R	
↓	1345			↓	W26R	↓

WDNR Well ID #	**Matrix:	Phenols (8270)	TPH	VOC's (8020)	Diss. Hg	Nitrate	Sulfate	TOC	Diss. Fe, Mn	Total No of Containers	Total No of Cont. Rec'd	Preservation*
	GW	2	1	3	1	1				8		
				1						1		
		2	1	3	1	1				8		
		2	1	3	1	1	✓	1	✓	9		
		2	1	3	1	1				8		
		2	1	3	1	1				8		
		2	1	3	1	1				8		
		2	1	3	1	1	✓	1	✓	9		
		2	1	3	1	1	✓	1	✓	9		
	A	A	B	D	A	A	C	D				

Client Special Instructions:  
 VOC's - Report only Naphthalene, xylenes, 1,2,4-trimethylbenzene. Metals are filtered.

Lab ID #  
 1345435  
 38  
 39  
 40  
 41  
 42  
 43  
 44  
 45

Relinquished By: S.J. Dushek Date/Time: 7/6/23 1600  
 Received by: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Relinquished By: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Received by: ERC Date/Time: 7/7/23 1027

**\*\*Matrix**  
 S-Soil A-Air Slg-Sludge M-Misc Waste  
 GW-Groundwater SW-Surface Water  
 WW-Wastewater DW-Drinking Water

**\* Preservation Code**  
 A=None B=HCL  
 C=H2SO4 D=HNO3  
 E=Encore F=Methanol  
 G=NaOH  
 O=Other \_\_\_\_\_

**ANALYTICAL REPORT**

TRC ENVIRONMENTAL  
 BRUCE IVERSON  
 999 FOURIER DRIVE  
 SUITE 101  
 MADISON, WI 53717

Project Name: WAULECO  
 Project Phase:  
 Contract #: 2399  
 Project #: 189597.0012  
 Folder #: 178885  
 Purchase Order #: 194539

Page 1 of 12  
 Arrival Temperature: 5.1  
 Report Date: 7/27/2023  
 Date Received: 7/11/2023  
 Reprint Date: 7/27/2023

CT LAB Sample#: 1346365	Sample Description: W10A	Sampled: 7/10/2023 07:15
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Inorganic Results</b>										
Nitrate Nitrogen Total	<0.12	mg/L	0.12	0.40	1			7/11/2023 16:32	TMG	EPA 9056A
Total Sulfate	6.4	mg/L	0.80	2.5	1			7/11/2023 16:32	TMG	EPA 9056A
Total Organic Carbon	5.9	mg/L	0.4	3.0	1			7/12/2023 11:51	TMG	EPA 9060A
<b>Metals Results</b>										
Dissolved Iron	2750	ug/L	25	84	1			7/12/2023 18:35	NAH	EPA 6010C
Dissolved Manganese	3700	ug/L	2.4	8.0	1			7/12/2023 18:35	NAH	EPA 6010C
Dissolved Mercury	<0.020	ug/L	0.020	0.080	1		7/18/2023 13:20	7/20/2023 11:48	MDS	EPA 7470A
<b>Organic Results</b>										
TPH as Mineral Spirits	1300	ug/L	32	110	1		7/13/2023 13:00	7/17/2023 14:11	AJZ	EPA 8015
1,2,4-Trimethylbenzene	650	ug/L	18	62	20			7/13/2023 16:57	TMG	WDNR GRO
m & p-Xylene	<40	ug/L	40	130	20			7/13/2023 16:57	TMG	WDNR GRO
Naphthalene	<22	ug/L	22	68	20			7/13/2023 16:57	TMG	WDNR GRO
o-Xylene	25	ug/L	22 *	68	20			7/13/2023 16:57	TMG	WDNR GRO
2,3,4,6-Tetrachlorophenol	4.9	ug/L	3.9 *	13	5		7/13/2023 13:45	7/24/2023 09:20	ALD	EPA 8270D

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis



CT LAB Sample#: 1346365    Sample Description: W10A    Sampled: 7/10/2023 07:15

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,4,5-Trichlorophenol	5.9	ug/L	4.9 *	17	5		7/13/2023 13:45	7/24/2023 09:20	ALD	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	4.6	16	5		7/13/2023 13:45	7/24/2023 09:20	ALD	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	5.0	17	5		7/13/2023 13:45	7/24/2023 09:20	ALD	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	2.8	9.5	5		7/13/2023 13:45	7/24/2023 09:20	ALD	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	5.5	19	5		7/13/2023 13:45	7/24/2023 09:20	ALD	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	4.9	17	5		7/13/2023 13:45	7/24/2023 09:20	ALD	EPA 8270D
2-Chlorophenol	<3.0	ug/L	3.5	12	5		7/13/2023 13:45	7/24/2023 09:20	ALD	EPA 8270D
2-Methylphenol	<3.0	ug/L	3.0	10	5		7/13/2023 13:45	7/24/2023 09:20	ALD	EPA 8270D
2-Nitrophenol	<3.0	ug/L	4.1	14	5		7/13/2023 13:45	7/24/2023 09:20	ALD	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	5.0	17	5		7/13/2023 13:45	7/24/2023 09:20	ALD	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	8.5	29	5		7/13/2023 13:45	7/24/2023 09:20	ALD	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	3.7	13	5		7/13/2023 13:45	7/24/2023 09:20	ALD	EPA 8270D
4-Nitrophenol	<3.0	ug/L	2.6	9.0	5		7/13/2023 13:45	7/24/2023 09:20	ALD	EPA 8270D
Pentachlorophenol	84	ug/L	4.8	16	5		7/13/2023 13:45	7/24/2023 09:20	ALD	EPA 8270D
Phenol	<3.0	ug/L	2.2	7.5	5		7/13/2023 13:45	7/24/2023 09:20	ALD	EPA 8270D

CT LAB Sample#: 1346366    Sample Description: W10A DUP    Sampled: 7/10/2023 07:15

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Inorganic Results</b>										
Nitrate Nitrogen Total	<0.12	mg/L	0.12	0.40	1			7/11/2023 17:34	TMG	EPA 9056A
Total Sulfate	6.5	mg/L	0.80	2.5	1			7/11/2023 17:34	TMG	EPA 9056A
Total Organic Carbon	6.5	mg/L	0.4	3.0	1			7/12/2023 12:02	TMG	EPA 9060A

**Metals Results**

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 1346366

Sample Description: W10A DUP

Sampled: 7/10/2023 07:15

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dissolved Iron	3140	ug/L	25	84	1			7/12/2023 18:43	NAH	EPA 6010C
Dissolved Manganese	3660	ug/L	2.4	8.0	1			7/12/2023 18:43	NAH	EPA 6010C
Dissolved Mercury	<0.020	ug/L	0.020	0.080	1		7/18/2023 13:20	7/20/2023 11:51	MDS	EPA 7470A
<b>Organic Results</b>										
TPH as Mineral Spirits	1400	ug/L	32	110	1		7/13/2023 13:00	7/17/2023 14:46	AJZ	EPA 8015
1,2,4-Trimethylbenzene	740	ug/L	18	62	20			7/13/2023 17:31	TMG	WDNR GRO
m & p-Xylene	<40	ug/L	40	130	20			7/13/2023 17:31	TMG	WDNR GRO
Naphthalene	<22	ug/L	22	68	20			7/13/2023 17:31	TMG	WDNR GRO
o-Xylene	28	ug/L	22 *	68	20			7/13/2023 17:31	TMG	WDNR GRO
2,3,4,6-Tetrachlorophenol	6.1	ug/L	3.8 *	13	5		7/13/2023 13:45	7/24/2023 09:43	ALD	EPA 8270D
2,4,5-Trichlorophenol	6.7	ug/L	4.8 *	16	5		7/13/2023 13:45	7/24/2023 09:43	ALD	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	4.4	15	5		7/13/2023 13:45	7/24/2023 09:43	ALD	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	4.9	17	5		7/13/2023 13:45	7/24/2023 09:43	ALD	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	2.7	9.2	5		7/13/2023 13:45	7/24/2023 09:43	ALD	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	5.3	18	5		7/13/2023 13:45	7/24/2023 09:43	ALD	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	4.7	16	5		7/13/2023 13:45	7/24/2023 09:43	ALD	EPA 8270D
2-Chlorophenol	<3.0	ug/L	3.4	12	5		7/13/2023 13:45	7/24/2023 09:43	ALD	EPA 8270D
2-Methylphenol	<3.0	ug/L	2.9	9.7	5		7/13/2023 13:45	7/24/2023 09:43	ALD	EPA 8270D
2-Nitrophenol	<3.0	ug/L	3.9	13	5		7/13/2023 13:45	7/24/2023 09:43	ALD	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	4.8	16	5		7/13/2023 13:45	7/24/2023 09:43	ALD	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	8.3	28	5		7/13/2023 13:45	7/24/2023 09:43	ALD	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	3.5	12	5		7/13/2023 13:45	7/24/2023 09:43	ALD	EPA 8270D
4-Nitrophenol	<3.0	ug/L	2.5	8.7	5		7/13/2023 13:45	7/24/2023 09:43	ALD	EPA 8270D
Pentachlorophenol	120	ug/L	4.6	16	5		7/13/2023 13:45	7/24/2023 09:43	ALD	EPA 8270D

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 1346366	Sample Description: W10A DUP	Sampled: 7/10/2023 07:15
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Phenol	<3.0	ug/L	2.1	7.3	5		7/13/2023 13:45	7/24/2023 09:43	ALD	EPA 8270D

CT LAB Sample#: 1346367	Sample Description: TRIP BLANK 03	Sampled: 7/10/2023 07:30
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Organic Results</b>										
1,2,4-Trimethylbenzene	<0.91	ug/L	0.91	3.1	1			7/13/2023 12:58	TMG	WDNR GRO
m & p-Xylene	<2.0	ug/L	2.0	6.7	1			7/13/2023 12:58	TMG	WDNR GRO
Naphthalene	<1.1	ug/L	1.1	3.4	1			7/13/2023 12:58	TMG	WDNR GRO
o-Xylene	<1.1	ug/L	1.1	3.4	1			7/13/2023 12:58	TMG	WDNR GRO

CT LAB Sample#: 1346368	Sample Description: W17	Sampled: 7/10/2023 08:05
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Inorganic Results</b>										
Nitrate Nitrogen Total	<0.12	mg/L	0.12	0.40	1			7/11/2023 17:55	TMG	EPA 9056A
Total Sulfate	<b>24</b>	mg/L	0.80	2.5	1			7/11/2023 17:55	TMG	EPA 9056A
Total Organic Carbon	<b>1.5</b>	mg/L	0.4 *	3.0	1			7/12/2023 12:39	TMG	EPA 9060A
<b>Metals Results</b>										
Dissolved Iron	<b>471</b>	ug/L	25	84	1			7/12/2023 19:11	NAH	EPA 6010C
Dissolved Manganese	<b>765</b>	ug/L	2.4	8.0	1			7/12/2023 19:11	NAH	EPA 6010C
Dissolved Mercury	<0.020	ug/L	0.020	0.080	1		7/18/2023 13:20	7/20/2023 11:55	MDS	EPA 7470A

**Organic Results**

CT LAB Sample#: 1346368

Sample Description: W17

Sampled: 7/10/2023 08:05

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
TPH as Mineral Spirits	1500	ug/L	32	110	1		7/13/2023 13:00	7/17/2023 15:21	AJZ	EPA 8015
1,2,4-Trimethylbenzene	49	ug/L	0.91	3.1	1		7/13/2023 13:45	7/13/2023 14:40	TMG	WDNR GRO
m & p-Xylene	<2.0	ug/L	2.0	6.7	1		7/13/2023 13:45	7/13/2023 14:40	TMG	WDNR GRO
Naphthalene	6.4	ug/L	1.1	3.4	1		7/13/2023 13:45	7/13/2023 14:40	TMG	WDNR GRO
o-Xylene	5.5	ug/L	1.1	3.4	1		7/13/2023 13:45	7/13/2023 14:40	TMG	WDNR GRO
2,3,4,6-Tetrachlorophenol	1.3	ug/L	0.78 *	2.6	1		7/13/2023 13:45	7/24/2023 10:06	ALD	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	0.98	3.3	1		7/13/2023 13:45	7/24/2023 10:06	ALD	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	0.91	3.1	1		7/13/2023 13:45	7/24/2023 10:06	ALD	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	1.0	3.4	1		7/13/2023 13:45	7/24/2023 10:06	ALD	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	0.55	1.9	1		7/13/2023 13:45	7/24/2023 10:06	ALD	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	1.1	3.7	1		7/13/2023 13:45	7/24/2023 10:06	ALD	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	0.97	3.3	1		7/13/2023 13:45	7/24/2023 10:06	ALD	EPA 8270D
2-Chlorophenol	<3.0	ug/L	0.70	2.4	1		7/13/2023 13:45	7/24/2023 10:06	ALD	EPA 8270D
2-Methylphenol	<3.0	ug/L	0.59	2.0	1		7/13/2023 13:45	7/24/2023 10:06	ALD	EPA 8270D
2-Nitrophenol	<3.0	ug/L	0.81	2.7	1		7/13/2023 13:45	7/24/2023 10:06	ALD	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	0.99	3.3	1		7/13/2023 13:45	7/24/2023 10:06	ALD	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	1.7	5.7	1		7/13/2023 13:45	7/24/2023 10:06	ALD	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	0.73	2.5	1		7/13/2023 13:45	7/24/2023 10:06	ALD	EPA 8270D
4-Nitrophenol	<3.0	ug/L	0.52	1.8	1		7/13/2023 13:45	7/24/2023 10:06	ALD	EPA 8270D
Pentachlorophenol	31	ug/L	0.95	3.2	1		7/13/2023 13:45	7/24/2023 10:06	ALD	EPA 8270D
Phenol	<3.0	ug/L	0.43	1.5	1		7/13/2023 13:45	7/24/2023 10:06	ALD	EPA 8270D

CT LAB Sample#: 1346369

Sample Description: W13

Sampled: 7/10/2023 09:20

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Inorganic Results</b>										
Nitrate Nitrogen Total	2.2	mg/L	0.12	0.40	1			7/11/2023 18:16	TMG	EPA 9056A
Total Sulfate	46	mg/L	0.80	2.5	1			7/11/2023 18:16	TMG	EPA 9056A
Total Organic Carbon	1.3	mg/L	0.4 *	3.0	1			7/12/2023 12:50	TMG	EPA 9060A
<b>Metals Results</b>										
Dissolved Iron	<25	ug/L	25	84	1			7/12/2023 19:19	NAH	EPA 6010C
Dissolved Manganese	<2.4	ug/L	2.4	8.0	1			7/12/2023 19:19	NAH	EPA 6010C
Dissolved Mercury	<0.020	ug/L	0.020	0.080	1		7/18/2023 13:20	7/20/2023 11:58	MDS	EPA 7470A
<b>Organic Results</b>										
TPH as Mineral Spirits	<32	ug/L	32	110	1		7/13/2023 13:00	7/17/2023 15:56	AJZ	EPA 8015
1,2,4-Trimethylbenzene	<0.91	ug/L	0.91	3.1	1			7/13/2023 15:14	TMG	WDNR GRO
m & p-Xylene	<2.0	ug/L	2.0	6.7	1			7/13/2023 15:14	TMG	WDNR GRO
Naphthalene	<1.1	ug/L	1.1	3.4	1			7/13/2023 15:14	TMG	WDNR GRO
o-Xylene	<1.1	ug/L	1.1	3.4	1			7/13/2023 15:14	TMG	WDNR GRO
2,3,4,6-Tetrachlorophenol	<3.0	ug/L	0.76	2.5	1		7/13/2023 13:45	7/21/2023 12:42	ALD	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	0.96	3.2	1		7/13/2023 13:45	7/21/2023 12:42	ALD	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	0.89	3.0	1		7/13/2023 13:45	7/21/2023 12:42	ALD	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	0.98	3.3	1		7/13/2023 13:45	7/21/2023 12:42	ALD	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	0.54	1.9	1		7/13/2023 13:45	7/21/2023 12:42	ALD	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	1.1	3.6	1		7/13/2023 13:45	7/21/2023 12:42	ALD	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	0.95	3.2	1		7/13/2023 13:45	7/21/2023 12:42	ALD	EPA 8270D
2-Chlorophenol	<3.0	ug/L	0.69	2.4	1		7/13/2023 13:45	7/21/2023 12:42	ALD	EPA 8270D
2-Methylphenol	<3.0	ug/L	0.58	2.0	1		7/13/2023 13:45	7/21/2023 12:42	ALD	EPA 8270D

CT LAB Sample#: 1346369	Sample Description: W13	Sampled: 7/10/2023 09:20
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2-Nitrophenol	<3.0	ug/L	0.79	2.6	1		7/13/2023 13:45	7/21/2023 12:42	ALD	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	0.97	3.2	1		7/13/2023 13:45	7/21/2023 12:42	ALD	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	1.7	5.6	1		7/13/2023 13:45	7/21/2023 12:42	ALD	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	0.72	2.5	1		7/13/2023 13:45	7/21/2023 12:42	ALD	EPA 8270D
4-Nitrophenol	<3.0	ug/L	0.51	1.8	1		7/13/2023 13:45	7/21/2023 12:42	ALD	EPA 8270D
Pentachlorophenol	<3.0	ug/L	0.93	3.1	1		7/13/2023 13:45	7/21/2023 12:42	ALD	EPA 8270D
Phenol	<3.0	ug/L	0.42	1.5	1		7/13/2023 13:45	7/21/2023 12:42	ALD	EPA 8270D

CT LAB Sample#: 1346370	Sample Description: DFOMW11	Sampled: 7/10/2023 10:50
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Organic Results</b>										
Pentachlorophenol	<b>300</b>	ug/L	9.2	31	10		7/13/2023 13:45	7/21/2023 13:05	ALD	EPA 8270D

CT LAB Sample#: 1346371	Sample Description: DFOMW12	Sampled: 7/10/2023 11:30
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Organic Results</b>										
Pentachlorophenol	<b>770</b>	ug/L	45	150	50		7/13/2023 13:45	7/21/2023 13:28	ALD	EPA 8270D

CT LAB Sample#: 1346372	Sample Description: DFOMW12 DUP	Sampled: 7/10/2023 11:30
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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CT LAB Sample#: 1346372    Sample Description: DFOMW12 DUP    Sampled: 7/10/2023 11:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Organic Results</b>										
Pentachlorophenol	870	ug/L	46	150	50		7/13/2023 13:45	7/21/2023 13:51	ALD	EPA 8270D

CT LAB Sample#: 1346373    Sample Description: W3A    Sampled: 7/10/2023 13:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Inorganic Results</b>										
Nitrate Nitrogen Total	<0.12	mg/L	0.12	0.40	1			7/11/2023 18:37	TMG	EPA 9056A
Total Sulfate	17	mg/L	0.80	2.5	1			7/11/2023 18:37	TMG	EPA 9056A
Total Organic Carbon	6.2	mg/L	0.4	3.0	1			7/12/2023 13:01	TMG	EPA 9060A
<b>Metals Results</b>										
Dissolved Iron	4340	ug/L	25	84	1			7/12/2023 19:27	NAH	EPA 6010C
Dissolved Manganese	3470	ug/L	2.4	8.0	1			7/12/2023 19:27	NAH	EPA 6010C
Dissolved Mercury	<0.020	ug/L	0.020	0.080	1		7/18/2023 13:20	7/20/2023 12:01	MDS	EPA 7470A
<b>Organic Results</b>										
TPH as Mineral Spirits	28000	ug/L	320	1100	10		7/13/2023 13:00	7/18/2023 12:37	AJZ	EPA 8015
1,2,4-Trimethylbenzene	590	ug/L	18	62	20			7/13/2023 18:05	TMG	WDNR GRO
m & p-Xylene	<40	ug/L	40	130	20			7/13/2023 18:05	TMG	WDNR GRO
Naphthalene	30	ug/L	22 *	68	20			7/13/2023 18:05	TMG	WDNR GRO
o-Xylene	68	ug/L	22	68	20			7/13/2023 18:05	TMG	WDNR GRO
2,3,4,6-Tetrachlorophenol	<3.0	ug/L	3.8	13	5		7/13/2023 13:45	7/24/2023 10:29	ALD	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	4.8	16	5		7/13/2023 13:45	7/24/2023 10:29	ALD	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	4.4	15	5		7/13/2023 13:45	7/24/2023 10:29	ALD	EPA 8270D

CT LAB Sample#: 1346373    Sample Description: W3A    Sampled: 7/10/2023 13:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,4-Dichlorophenol	<3.0	ug/L	4.9	17	5		7/13/2023 13:45	7/24/2023 10:29	ALD	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	2.7	9.2	5		7/13/2023 13:45	7/24/2023 10:29	ALD	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	5.3	18	5		7/13/2023 13:45	7/24/2023 10:29	ALD	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	4.7	16	5		7/13/2023 13:45	7/24/2023 10:29	ALD	EPA 8270D
2-Chlorophenol	<3.0	ug/L	3.4	12	5		7/13/2023 13:45	7/24/2023 10:29	ALD	EPA 8270D
2-Methylphenol	<3.0	ug/L	2.9	9.7	5		7/13/2023 13:45	7/24/2023 10:29	ALD	EPA 8270D
2-Nitrophenol	<3.0	ug/L	3.9	13	5		7/13/2023 13:45	7/24/2023 10:29	ALD	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	4.8	16	5		7/13/2023 13:45	7/24/2023 10:29	ALD	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	8.3	28	5		7/13/2023 13:45	7/24/2023 10:29	ALD	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	3.5	12	5		7/13/2023 13:45	7/24/2023 10:29	ALD	EPA 8270D
4-Nitrophenol	<3.0	ug/L	2.5	8.7	5		7/13/2023 13:45	7/24/2023 10:29	ALD	EPA 8270D
Pentachlorophenol	<b>120</b>	ug/L	4.6	16	5		7/13/2023 13:45	7/24/2023 10:29	ALD	EPA 8270D
Phenol	<3.0	ug/L	2.1	7.3	5		7/13/2023 13:45	7/24/2023 10:29	ALD	EPA 8270D

CT LAB Sample#: 1346374    Sample Description: W11    Sampled: 7/10/2023 13:50

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Inorganic Results</b>										
Nitrate Nitrogen Total	<b>3.4</b>	mg/L	0.12	0.40	1			7/11/2023 18:58	TMG	EPA 9056A
Total Sulfate	<b>11</b>	mg/L	0.80	2.5	1			7/11/2023 18:58	TMG	EPA 9056A
Total Organic Carbon	<b>0.87</b>	mg/L	0.4 *	3.0	1	Y		7/12/2023 13:12	TMG	EPA 9060A
<b>Metals Results</b>										
Dissolved Iron	<25	ug/L	25	84	1			7/12/2023 19:35	NAH	EPA 6010C
Dissolved Manganese	<b>159</b>	ug/L	2.4	8.0	1			7/12/2023 19:35	NAH	EPA 6010C



CT LAB Sample#: 1346374

Sample Description: W11

Sampled: 7/10/2023 13:50

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dissolved Mercury	<0.020	ug/L	0.020	0.080	1		7/18/2023 13:20	7/20/2023 12:04	MDS	EPA 7470A
<b>Organic Results</b>										
TPH as Mineral Spirits	<33	ug/L	33	110	1		7/13/2023 13:00	7/17/2023 17:05	AJZ	EPA 8015
1,2,4-Trimethylbenzene	<0.91	ug/L	0.91	3.1	1			7/13/2023 15:48	TMG	WDNR GRO
m & p-Xylene	<2.0	ug/L	2.0	6.7	1			7/13/2023 15:48	TMG	WDNR GRO
Naphthalene	<1.1	ug/L	1.1	3.4	1			7/13/2023 15:48	TMG	WDNR GRO
o-Xylene	<1.1	ug/L	1.1	3.4	1			7/13/2023 15:48	TMG	WDNR GRO
2,3,4,6-Tetrachlorophenol	<b>7.5</b>	ug/L	3.8 *	13	5		7/13/2023 13:45	7/24/2023 10:52	ALD	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	4.8	16	5		7/13/2023 13:45	7/24/2023 10:52	ALD	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	4.4	15	5		7/13/2023 13:45	7/24/2023 10:52	ALD	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	4.9	17	5		7/13/2023 13:45	7/24/2023 10:52	ALD	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	2.7	9.2	5		7/13/2023 13:45	7/24/2023 10:52	ALD	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	5.3	18	5		7/13/2023 13:45	7/24/2023 10:52	ALD	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	4.7	16	5		7/13/2023 13:45	7/24/2023 10:52	ALD	EPA 8270D
2-Chlorophenol	<3.0	ug/L	3.4	12	5		7/13/2023 13:45	7/24/2023 10:52	ALD	EPA 8270D
2-Methylphenol	<3.0	ug/L	2.9	9.7	5		7/13/2023 13:45	7/24/2023 10:52	ALD	EPA 8270D
2-Nitrophenol	<3.0	ug/L	3.9	13	5		7/13/2023 13:45	7/24/2023 10:52	ALD	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	4.8	16	5		7/13/2023 13:45	7/24/2023 10:52	ALD	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	8.3	28	5		7/13/2023 13:45	7/24/2023 10:52	ALD	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	3.5	12	5		7/13/2023 13:45	7/24/2023 10:52	ALD	EPA 8270D
4-Nitrophenol	<3.0	ug/L	2.5	8.7	5		7/13/2023 13:45	7/24/2023 10:52	ALD	EPA 8270D
Pentachlorophenol	<b>120</b>	ug/L	4.6	16	5		7/13/2023 13:45	7/24/2023 10:52	ALD	EPA 8270D
Phenol	<3.0	ug/L	2.1	7.3	5		7/13/2023 13:45	7/24/2023 10:52	ALD	EPA 8270D

CT LAB Sample#: 1346375

Sample Description: DFOMW5

Sampled: 7/10/2023 10:15

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Organic Results</b>										
TPH as Mineral Spirits	51	ug/L	32 *	110	1		7/13/2023 13:00	7/17/2023 18:50	AJZ	EPA 8015
1,2,4-Trimethylbenzene	<0.91	ug/L	0.91	3.1	1			7/13/2023 16:23	TMG	WDNR GRO
m & p-Xylene	<2.0	ug/L	2.0	6.7	1			7/13/2023 16:23	TMG	WDNR GRO
Naphthalene	2.1	ug/L	1.1 *	3.4	1			7/13/2023 16:23	TMG	WDNR GRO
o-Xylene	<1.1	ug/L	1.1	3.4	1			7/13/2023 16:23	TMG	WDNR GRO
Pentachlorophenol	<3.0	ug/L	0.95	3.2	1		7/13/2023 13:45	7/21/2023 15:00	ALD	EPA 8270D

Notes: \* Indicates a value in between the LOD (limit of detection) and the LOQ (limit of quantitation). All LOD/LOQs are adjusted to reflect dilution and also any differences in the sample weight / volume as compared to standard amounts.

All samples were received intact and properly preserved unless otherwise noted. The results reported relate only to the samples tested. This report shall not be reproduced, except in full, without written approval of this laboratory. The Chain of Custody is attached.

Submitted by: **Brett M. Szymanski**  
 Project Manager  
 608-356-2760

**QC Qualifiers**

<u>Code</u>	<u>Description</u>
B	Analyte detected in the associated Method Blank.
C	Toxicity present in BOD sample.
D	Diluted Out.
E	Safe, No Total Coliform detected.
F	Unsafe, Total Coliform detected, no E. Coli detected.
G	Unsafe, Total Coliform detected and E. Coli detected.
H	Holding time exceeded.
I	Incubator temperature was outside acceptance limits during test period.
J	Estimated value.
L	Significant peaks were detected outside the chromatographic window.
M	Matrix spike and/or Matrix Spike Duplicate recovery outside acceptance limits.
N	Insufficient BOD oxygen depletion.
O	Complete BOD oxygen depletion.
P	Concentration of analyte differs more than 40% between primary and confirmation analysis.
Q	Laboratory Control Sample outside acceptance limits.
R	See Narrative at end of report.
S	Surrogate standard recovery outside acceptance limits due to apparent matrix effects.
T	Sample received with improper preservation or temperature.
U	Analyte concentration was below detection limit.
V	Raised Quantitation or Reporting Limit due to limited sample amount or dilution for matrix background interference.
W	Sample amount received was below program minimum.
X	Analyte exceeded calibration range.
Y	Replicate/Duplicate precision outside acceptance limits.
Z	Specified calibration criteria was not met.

**Current CT Laboratories Certifications**

Wisconsin (WDNR) Chemistry ID# 157066030  
 Wisconsin (DATCP) Bacteriology ID# 289  
 Louisiana NELAP (primary) ID# 115843  
 Illinois NELAP Lab ID# 200073  
 Kansas NELAP Lab ID# E-10368  
 Virginia NELAP Lab ID# 460203  
 ISO/IEC 17025-2005 A2LA Cert # 3806.01  
 DoD-ELAP A2LA 3806.01

Company Name: TRC  
 Project Contact: Bruce Iverson  
 Telephone: 608-826-3644  
 Project Name: Wauleco  
 Project Number: 189597.0012  
 Project Location: Wausau, WI  
 Sampled By: Tom Dushek

# CTLaboratories

Mail Report To: Bruce Iverson  
 Company: TRC  
 Address: 708 Heartland Trail  
 City/State/Zip: Madison, WI 53717

Folder #: 178885  
 Company: TRC ENVIRONMENTAL  
 Project: WAULECO  
 Logged By: erc PM BMS

1230 Lange Court, Baraboo, WI 53913  
 608-356-2760 Tel. Fx 608-356-2766  
 www.ctlaboratories.com

Ice Present  Yes  No

Temperature 65.2

Initials erc

Date 7/10/23 Time 9:00

Cooler # 5643, 6311, 6081

Invoice To: Accounts Payable  
 Company: TRC  
 Address:  
 City/State/Zip:  
 PO No. 194539

Contract No.

Regulatory Program:  
 UST RCRA SDWA NPDES  
 Solid Waste Other

**Turnaround Time**

Normal RUSH\* Date Needed \_\_\_\_\_

\*Notify Lab prior to sending in RUSH  
 Surcharges 24 hr 200% 2-3 days 100% 4-9 days 50%  
 Surcharges subject to change without notice.

**Landfill License Number**

Client Special Instructions:  
 VOC's - Report only Naphthalene, xylenes, 1,2,4-trimethylbenzene. Metals are filtered.

Collection		Field Screen	Field ID	Grab/Comp	Sample ID Description	Pit'd Y/N	W DNR Well ID #	**Matrix:	Phenols (8270)	TPH	VOC's (8020)	Diss. Hg	Nitrate	Sulfate	TDC	Diss. Fe, Mn	Total No of Containers	Total No of Cont. Rec'd	Preservation*	Lab ID #
Date	Time																			
7/10/23	0715			G	W10A	N		GW	2	1	3	1	1	✓	1	✓	9			1346365
	0715				W10A Dup				2	1	3	1	1	✓	1	✓	9			66
	0730				Tri Blank 03						1						1			67
	0805				W17				2	1	3	1	1	✓	1	✓	9			68
	0920				W13				2	1	3	1	1	✓	1	✓	9			69
	1015				DFOMW5				2	1	3						6			75
	1150				DFOMW11				2								2			70
	1130				DFOMW12				2								2			71
↓	1130			↓	DFOMW12 Dup	↓		↓	2								2			72
									A	A	B	D	A	A	C	D				

Relinquished By: S. J. Dushek  
 Date/Time: 7/10/23 1600

Relinquished By: \_\_\_\_\_  
 Date/Time: \_\_\_\_\_

Received by: \_\_\_\_\_  
 Date/Time: \_\_\_\_\_

Received by: erc  
 Date/Time: 7/10/23 1134

\*\*Matrix  
 S-Soil A-Air Slg-Sludge M-Misc Waste  
 GW-Groundwater SW-Surface Water  
 WW-Wastewater DW-Drinking Water

\* Preservation Code  
 A=None B=HCL  
 C=H2SO4 D=HNO3  
 E=Encore F=Methanol  
 G=NaOH  
 O=Other \_\_\_\_\_

Company Name: TRC  
 Project Contact: Bruce Iverson  
 Telephone: 608-826-3644  
 Project Name: Wauleco  
 Project Number: 189597.0012  
 Project Location: Wausau, WI  
 Sampled By: Tom Dushek

# CTLaboratories

Mail Report To: Bruce Iverson  
 Company: TRC  
 Address: 708 Heartland Trail  
 City/State/Zip: Madison, WI 53717

1230 Lange Court, Baraboo, WI 53913  
 608-356-2760 Tel. Fx 608-356-2766  
 www.ctlaboratories.com

178885  
 Place Header Sticker Here:  
 Lab Use Only

Ice Present Yes No

Temperature 65°C (147)  
 Initials JD

Date 7/10 Time 9:50  
 Cooler # 581, 611, 6081

Invoice To: Accounts Payable

Company: TRC  
 Address:

City/State/Zip:

PO No. 194539

Contract No.

Regulatory Program:  
 UST RCRA SDWA NPDES  
 Solid Waste Other \_\_\_\_\_

**Turnaround Time**

Normal RUSH\* Date Needed \_\_\_\_\_

\*Notify Lab prior to sending in RUSH  
 Surcharges 24 hr 200% 2-3 days 100% 4-9 days 50%  
 Surcharges subject to change without notice.

Landfill License Number \_\_\_\_\_

Client Special Instructions:  
 VOC's - Report only  
 Naphthalene, xylenes,  
 1,2,4-trimethylbenzene.  
 Metals are filtered.

Collection		Field Screen	Field ID	Grab/Comp	Sample ID Description	Filt'd Y/N	WDNR Well ID #	**Matrix:	Phenols (8270)	TPH	VOC s (8020)	Diss. Hg	Nitrate	Sulfate	TOC	Diss. Fe, Mn	Total No of Containers	Total No of Cont. Rec'd	Preservation*	Lab ID #
7/10/23	1300			G	W3A	N		GW	2	1	3	1	1	✓	1	✓	9			1346385
↓	1350			↓	W11	↓		↓	2	1	3	1	1	✓	1	✓	9			74
									A	A	B	D	A	A	C	D				

Relinquished By: T. J. Dushek  
 Date/Time: 7/10/23 1600

Received by: \_\_\_\_\_  
 Date/Time: \_\_\_\_\_

Relinquished By: \_\_\_\_\_  
 Date/Time: \_\_\_\_\_

Received by: JD  
 Date/Time: 7/10 11:37

**\*\*Matrix**  
 S-Soil A-Air Slg-Sludge M-Misc Waste  
 GW-Groundwater SW-Surface Water  
 WW-Wastewater DW-Drinking Water

**\* Preservation Code**  
 A=None B=HCL  
 C=H2SO4 D=HNO3  
 E=Encore F=Methanol  
 G=NaOH  
 O=Other \_\_\_\_\_

**ANALYTICAL REPORT**

TRC ENVIRONMENTAL  
 BRUCE IVERSON  
 999 FOURIER DRIVE  
 SUITE 101  
 MADISON, WI 53717

Project Name: WAULECO  
 Project Phase:  
 Contract #: 2399  
 Project #: 189597.0012  
 Folder #: 178913  
 Purchase Order #: 194539

Page 1 of 17  
 Arrival Temperature: 6.1  
 Report Date: 7/27/2023  
 Date Received: 7/12/2023  
 Reprint Date: 7/27/2023

CT LAB Sample#: 1346806	Sample Description: W6R	Sampled: 7/11/2023 07:30
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Inorganic Results</b>										
Nitrate Nitrogen Total	2.0	mg/L	0.12	0.40	1			7/12/2023 14:21	TMG	EPA 9056A
Total Sulfate	38	mg/L	0.80	2.5	1			7/12/2023 14:21	TMG	EPA 9056A
Total Organic Carbon	3.1	mg/L	0.4	3.0	1			7/18/2023 14:26	TMG	EPA 9060A
<b>Metals Results</b>										
Dissolved Iron	<25	ug/L	25	84	1			7/12/2023 19:57	NAH	EPA 6010C
Dissolved Manganese	442	ug/L	2.4	8.0	1			7/12/2023 19:57	NAH	EPA 6010C
Dissolved Mercury	<0.020	ug/L	0.020	0.080	1		7/18/2023 13:20	7/20/2023 12:17	MDS	EPA 7470A
<b>Organic Results</b>										
TPH as Mineral Spirits	370	ug/L	37	120	1		7/13/2023 13:00	7/17/2023 19:25	AJZ	EPA 8015
1,2,4-Trimethylbenzene	75	ug/L	4.6	16	5			7/13/2023 18:39	TMG	WDNR GRO
m & p-Xylene	<10	ug/L	10	34	5			7/13/2023 18:39	TMG	WDNR GRO
Naphthalene	<5.5	ug/L	5.5	17	5			7/13/2023 18:39	TMG	WDNR GRO
o-Xylene	8.7	ug/L	5.5 *	17	5			7/13/2023 18:39	TMG	WDNR GRO
2,3,4,6-Tetrachlorophenol	33	ug/L	19 *	64	25		7/13/2023 13:45	7/24/2023 11:15	ALD	EPA 8270D

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 1346806

Sample Description: W6R

Sampled: 7/11/2023 07:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,4,5-Trichlorophenol	<3.0	ug/L	24	81	25		7/13/2023 13:45	7/24/2023 11:15	ALD	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	22	76	25		7/13/2023 13:45	7/24/2023 11:15	ALD	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	25	83	25		7/13/2023 13:45	7/24/2023 11:15	ALD	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	13	47	25		7/13/2023 13:45	7/24/2023 11:15	ALD	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	27	91	25		7/13/2023 13:45	7/24/2023 11:15	ALD	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	24	81	25		7/13/2023 13:45	7/24/2023 11:15	ALD	EPA 8270D
2-Chlorophenol	<3.0	ug/L	17	59	25		7/13/2023 13:45	7/24/2023 11:15	ALD	EPA 8270D
2-Methylphenol	<3.0	ug/L	14	49	25		7/13/2023 13:45	7/24/2023 11:15	ALD	EPA 8270D
2-Nitrophenol	<3.0	ug/L	20	66	25		7/13/2023 13:45	7/24/2023 11:15	ALD	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	24	81	25		7/13/2023 13:45	7/24/2023 11:15	ALD	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	42	140	25		7/13/2023 13:45	7/24/2023 11:15	ALD	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	18	61	25		7/13/2023 13:45	7/24/2023 11:15	ALD	EPA 8270D
4-Nitrophenol	<3.0	ug/L	13	44	25		7/13/2023 13:45	7/24/2023 11:15	ALD	EPA 8270D
Pentachlorophenol	<b>610</b>	ug/L	23	78	25		7/13/2023 13:45	7/24/2023 11:15	ALD	EPA 8270D
Phenol	<3.0	ug/L	11	37	25		7/13/2023 13:45	7/24/2023 11:15	ALD	EPA 8270D

CT LAB Sample#: 1346807

Sample Description: W6R DUP

Sampled: 7/11/2023 07:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Inorganic Results</b>										
Nitrate Nitrogen Total	<b>1.7</b>	mg/L	0.12	0.40	1			7/12/2023 14:44	TMG	EPA 9056A
Total Sulfate	<b>32</b>	mg/L	0.80	2.5	1			7/12/2023 14:44	TMG	EPA 9056A
Total Organic Carbon	<b>3.4</b>	mg/L	0.4	3.0	1			7/18/2023 14:38	TMG	EPA 9060A

**Metals Results**

CT LAB Sample#: 1346807

Sample Description: W6R DUP

Sampled: 7/11/2023 07:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dissolved Iron	<25	ug/L	25	84	1			7/12/2023 20:04	NAH	EPA 6010C
Dissolved Manganese	<b>359</b>	ug/L	2.4	8.0	1			7/12/2023 20:04	NAH	EPA 6010C
Dissolved Mercury	<0.020	ug/L	0.020	0.080	1		7/18/2023 13:20	7/20/2023 12:20	MDS	EPA 7470A
<b>Organic Results</b>										
TPH as Mineral Spirits	<b>460</b>	ug/L	34	110	1		7/13/2023 13:00	7/17/2023 20:00	AJZ	EPA 8015
1,2,4-Trimethylbenzene	<b>64</b>	ug/L	4.6	16	5			7/13/2023 19:13	TMG	WDNR GRO
m & p-Xylene	<10	ug/L	10	34	5			7/13/2023 19:13	TMG	WDNR GRO
Naphthalene	<5.5	ug/L	5.5	17	5			7/13/2023 19:13	TMG	WDNR GRO
o-Xylene	<b>7.6</b>	ug/L	5.5 *	17	5			7/13/2023 19:13	TMG	WDNR GRO
2,3,4,6-Tetrachlorophenol	<b>40</b>	ug/L	19 *	64	25		7/13/2023 13:45	7/24/2023 11:38	ALD	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	24	81	25		7/13/2023 13:45	7/24/2023 11:38	ALD	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	22	76	25		7/13/2023 13:45	7/24/2023 11:38	ALD	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	25	83	25		7/13/2023 13:45	7/24/2023 11:38	ALD	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	13	47	25		7/13/2023 13:45	7/24/2023 11:38	ALD	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	27	91	25		7/13/2023 13:45	7/24/2023 11:38	ALD	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	24	81	25		7/13/2023 13:45	7/24/2023 11:38	ALD	EPA 8270D
2-Chlorophenol	<3.0	ug/L	17	59	25		7/13/2023 13:45	7/24/2023 11:38	ALD	EPA 8270D
2-Methylphenol	<3.0	ug/L	14	49	25		7/13/2023 13:45	7/24/2023 11:38	ALD	EPA 8270D
2-Nitrophenol	<3.0	ug/L	20	66	25		7/13/2023 13:45	7/24/2023 11:38	ALD	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	24	81	25		7/13/2023 13:45	7/24/2023 11:38	ALD	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	42	140	25		7/13/2023 13:45	7/24/2023 11:38	ALD	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	18	61	25		7/13/2023 13:45	7/24/2023 11:38	ALD	EPA 8270D
4-Nitrophenol	<3.0	ug/L	13	44	25		7/13/2023 13:45	7/24/2023 11:38	ALD	EPA 8270D
Pentachlorophenol	<b>660</b>	ug/L	23	78	25		7/13/2023 13:45	7/24/2023 11:38	ALD	EPA 8270D



CT LAB Sample#: 1346807	Sample Description: W6R DUP	Sampled: 7/11/2023 07:30
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Phenol	<3.0	ug/L	11	37	25		7/13/2023 13:45	7/24/2023 11:38	ALD	EPA 8270D

CT LAB Sample#: 1346808	Sample Description: TRIP BLANK 04	Sampled: 7/11/2023 07:45
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Organic Results</b>										
1,2,4-Trimethylbenzene	<0.91	ug/L	0.91	3.1	1			7/13/2023 13:32	TMG	WDNR GRO
m & p-Xylene	<2.0	ug/L	2.0	6.7	1			7/13/2023 13:32	TMG	WDNR GRO
Naphthalene	<1.1	ug/L	1.1	3.4	1			7/13/2023 13:32	TMG	WDNR GRO
o-Xylene	<1.1	ug/L	1.1	3.4	1			7/13/2023 13:32	TMG	WDNR GRO

CT LAB Sample#: 1346809	Sample Description: W2	Sampled: 7/11/2023 08:30
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Inorganic Results</b>										
Nitrate Nitrogen Total	3.1	mg/L	0.12	0.40	1			7/12/2023 15:06	TMG	EPA 9056A
<b>Metals Results</b>										
Dissolved Mercury	<0.020	ug/L	0.020	0.080	1		7/18/2023 13:20	7/20/2023 12:23	MDS	EPA 7470A
<b>Organic Results</b>										
TPH as Mineral Spirits	3000	ug/L	32	110	1		7/13/2023 13:00	7/17/2023 20:35	AJZ	EPA 8015
1,2,4-Trimethylbenzene	580	ug/L	18	62	20			7/13/2023 19:47	TMG	WDNR GRO
m & p-Xylene	<40	ug/L	40	130	20			7/13/2023 19:47	TMG	WDNR GRO
Naphthalene	57	ug/L	22 *	68	20			7/13/2023 19:47	TMG	WDNR GRO

CT LAB Sample#: 1346809	Sample Description: W2	Sampled: 7/11/2023 08:30
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
o-Xylene	62	ug/L	22 *	68	20			7/13/2023 19:47	TMG	WDNR GRO
2,3,4,6-Tetrachlorophenol	7.4	ug/L	3.8 *	13	5		7/13/2023 13:45	7/24/2023 12:01	ALD	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	4.8	16	5		7/13/2023 13:45	7/24/2023 12:01	ALD	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	4.4	15	5		7/13/2023 13:45	7/24/2023 12:01	ALD	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	4.9	17	5		7/13/2023 13:45	7/24/2023 12:01	ALD	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	2.7	9.2	5		7/13/2023 13:45	7/24/2023 12:01	ALD	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	5.3	18	5		7/13/2023 13:45	7/24/2023 12:01	ALD	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	4.7	16	5		7/13/2023 13:45	7/24/2023 12:01	ALD	EPA 8270D
2-Chlorophenol	<3.0	ug/L	3.4	12	5		7/13/2023 13:45	7/24/2023 12:01	ALD	EPA 8270D
2-Methylphenol	<3.0	ug/L	2.9	9.7	5		7/13/2023 13:45	7/24/2023 12:01	ALD	EPA 8270D
2-Nitrophenol	<3.0	ug/L	3.9	13	5		7/13/2023 13:45	7/24/2023 12:01	ALD	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	4.8	16	5		7/13/2023 13:45	7/24/2023 12:01	ALD	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	8.3	28	5		7/13/2023 13:45	7/24/2023 12:01	ALD	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	3.5	12	5		7/13/2023 13:45	7/24/2023 12:01	ALD	EPA 8270D
4-Nitrophenol	<3.0	ug/L	2.5	8.7	5		7/13/2023 13:45	7/24/2023 12:01	ALD	EPA 8270D
Pentachlorophenol	120	ug/L	4.6	16	5		7/13/2023 13:45	7/24/2023 12:01	ALD	EPA 8270D
Phenol	<3.0	ug/L	2.1	7.3	5		7/13/2023 13:45	7/24/2023 12:01	ALD	EPA 8270D

CT LAB Sample#: 1346810	Sample Description: W2 DUP	Sampled: 7/11/2023 08:30
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Inorganic Results</b>										
Nitrate Nitrogen Total	4.1	mg/L	0.12	0.40	1			7/12/2023 15:29	TMG	EPA 9056A

**Metals Results**

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 1346810

Sample Description: W2 DUP

Sampled: 7/11/2023 08:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dissolved Mercury	<b>0.026</b>	ug/L	0.020 *	0.080	1		7/18/2023 13:20	7/20/2023 12:26	MDS	EPA 7470A
<b>Organic Results</b>										
TPH as Mineral Spirits	<b>2100</b>	ug/L	32	110	1		7/13/2023 13:00	7/17/2023 21:11	AJZ	EPA 8015
1,2,4-Trimethylbenzene	<b>560</b>	ug/L	18	62	20		7/13/2023 22:38	7/13/2023 22:38	TMG	WDNR GRO
m & p-Xylene	<40	ug/L	40	130	20		7/13/2023 22:38	7/13/2023 22:38	TMG	WDNR GRO
Naphthalene	<b>63</b>	ug/L	22 *	68	20		7/13/2023 22:38	7/13/2023 22:38	TMG	WDNR GRO
o-Xylene	<b>59</b>	ug/L	22 *	68	20		7/13/2023 22:38	7/13/2023 22:38	TMG	WDNR GRO
2,3,4,6-Tetrachlorophenol	<b>7.4</b>	ug/L	3.8 *	13	5		7/13/2023 13:45	7/24/2023 12:23	ALD	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	4.8	16	5		7/13/2023 13:45	7/24/2023 12:23	ALD	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	4.5	15	5		7/13/2023 13:45	7/24/2023 12:23	ALD	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	4.9	17	5		7/13/2023 13:45	7/24/2023 12:23	ALD	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	2.7	9.3	5		7/13/2023 13:45	7/24/2023 12:23	ALD	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	5.4	18	5		7/13/2023 13:45	7/24/2023 12:23	ALD	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	4.8	16	5		7/13/2023 13:45	7/24/2023 12:23	ALD	EPA 8270D
2-Chlorophenol	<3.0	ug/L	3.4	12	5		7/13/2023 13:45	7/24/2023 12:23	ALD	EPA 8270D
2-Methylphenol	<3.0	ug/L	2.9	9.8	5		7/13/2023 13:45	7/24/2023 12:23	ALD	EPA 8270D
2-Nitrophenol	<3.0	ug/L	4.0	13	5		7/13/2023 13:45	7/24/2023 12:23	ALD	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	4.9	16	5		7/13/2023 13:45	7/24/2023 12:23	ALD	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	8.3	28	5		7/13/2023 13:45	7/24/2023 12:23	ALD	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	3.6	12	5		7/13/2023 13:45	7/24/2023 12:23	ALD	EPA 8270D
4-Nitrophenol	<3.0	ug/L	2.5	8.8	5		7/13/2023 13:45	7/24/2023 12:23	ALD	EPA 8270D
Pentachlorophenol	<b>110</b>	ug/L	4.7	16	5		7/13/2023 13:45	7/24/2023 12:23	ALD	EPA 8270D
Phenol	<3.0	ug/L	2.1	7.4	5		7/13/2023 13:45	7/24/2023 12:23	ALD	EPA 8270D

CT LAB Sample#: 1346811 Sample Description: W41

Sampled: 7/11/2023 09:35

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Inorganic Results</b>										
Nitrate Nitrogen Total	<0.12	mg/L	0.12	0.40	1			7/12/2023 15:52	TMG	EPA 9056A
Total Sulfate	4.0	mg/L	0.80	2.5	1			7/12/2023 15:52	TMG	EPA 9056A
Total Organic Carbon	16	mg/L	0.4	3.0	1			7/18/2023 14:49	TMG	EPA 9060A
<b>Metals Results</b>										
Dissolved Iron	11900	ug/L	25	84	1			7/12/2023 20:12	NAH	EPA 6010C
Dissolved Manganese	24100	ug/L	2.4	8.0	1			7/12/2023 20:12	NAH	EPA 6010C
Dissolved Mercury	<0.020	ug/L	0.020	0.080	1		7/18/2023 13:20	7/20/2023 12:29	MDS	EPA 7470A
<b>Organic Results</b>										
TPH as Mineral Spirits	1500	ug/L	32	110	1		7/13/2023 13:00	7/17/2023 21:46	AJZ	EPA 8015
1,2,4-Trimethylbenzene	170	ug/L	9.1	31	10			7/13/2023 23:12	TMG	WDNR GRO
m & p-Xylene	<20	ug/L	20	67	10			7/13/2023 23:12	TMG	WDNR GRO
Naphthalene	14	ug/L	11 *	34	10			7/13/2023 23:12	TMG	WDNR GRO
o-Xylene	21	ug/L	11 *	34	10			7/13/2023 23:12	TMG	WDNR GRO
2,3,4,6-Tetrachlorophenol	27	ug/L	19 *	63	25		7/13/2023 13:45	7/21/2023 16:54	ALD	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	24	80	25		7/13/2023 13:45	7/21/2023 16:54	ALD	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	22	75	25		7/13/2023 13:45	7/21/2023 16:54	ALD	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	24	83	25		7/13/2023 13:45	7/21/2023 16:54	ALD	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	13	46	25		7/13/2023 13:45	7/21/2023 16:54	ALD	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	27	90	25		7/13/2023 13:45	7/21/2023 16:54	ALD	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	24	80	25		7/13/2023 13:45	7/21/2023 16:54	ALD	EPA 8270D
2-Chlorophenol	<3.0	ug/L	17	58	25		7/13/2023 13:45	7/21/2023 16:54	ALD	EPA 8270D
2-Methylphenol	<3.0	ug/L	14	49	25		7/13/2023 13:45	7/21/2023 16:54	ALD	EPA 8270D

CT LAB Sample#: 1346811    Sample Description: W41    Sampled: 7/11/2023 09:35

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2-Nitrophenol	<3.0	ug/L	20	66	25		7/13/2023 13:45	7/21/2023 16:54	ALD	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	24	80	25		7/13/2023 13:45	7/21/2023 16:54	ALD	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	41	140	25		7/13/2023 13:45	7/21/2023 16:54	ALD	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	18	61	25		7/13/2023 13:45	7/21/2023 16:54	ALD	EPA 8270D
4-Nitrophenol	<3.0	ug/L	13	44	25		7/13/2023 13:45	7/21/2023 16:54	ALD	EPA 8270D
Pentachlorophenol	<b>470</b>	ug/L	23	78	25		7/13/2023 13:45	7/21/2023 16:54	ALD	EPA 8270D
Phenol	<3.0	ug/L	10	36	25		7/13/2023 13:45	7/21/2023 16:54	ALD	EPA 8270D

CT LAB Sample#: 1346812    Sample Description: W22    Sampled: 7/11/2023 10:25

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Inorganic Results</b>										
Nitrate Nitrogen Total	<b>0.39</b>	mg/L	0.12 *	0.40	1			7/12/2023 16:15	TMG	EPA 9056A
Total Sulfate	<b>7.7</b>	mg/L	0.80	2.5	1			7/12/2023 16:15	TMG	EPA 9056A
Total Organic Carbon	<b>6.5</b>	mg/L	0.4	3.0	1			7/18/2023 15:00	TMG	EPA 9060A
<b>Metals Results</b>										
Dissolved Iron	<b>44.9</b>	ug/L	25 *	84	1			7/12/2023 20:20	NAH	EPA 6010C
Dissolved Manganese	<b>3610</b>	ug/L	2.4	8.0	1			7/12/2023 20:20	NAH	EPA 6010C
Dissolved Mercury	<0.020	ug/L	0.020	0.080	1		7/18/2023 13:20	7/20/2023 12:33	MDS	EPA 7470A
<b>Organic Results</b>										
TPH as Mineral Spirits	<b>1300</b>	ug/L	32	110	1		7/13/2023 13:00	7/17/2023 22:21	AJZ	EPA 8015
1,2,4-Trimethylbenzene	<b>330</b>	ug/L	9.1	31	10			7/14/2023 10:10	TMG	WDNR GRO
m & p-Xylene	<b>20</b>	ug/L	10 *	34	5			7/13/2023 23:46	TMG	WDNR GRO

CT LAB Sample#: 1346812 Sample Description: W22

Sampled: 7/11/2023 10:25

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Naphthalene	19	ug/L	5.5	17	5			7/13/2023 23:46	TMG	WDNR GRO
o-Xylene	120	ug/L	5.5	17	5			7/13/2023 23:46	TMG	WDNR GRO
2,3,4,6-Tetrachlorophenol	180	ug/L	76 *	250	100		7/13/2023 13:45	7/21/2023 17:16	ALD	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	95	320	100		7/13/2023 13:45	7/21/2023 17:16	ALD	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	88	300	100		7/13/2023 13:45	7/21/2023 17:16	ALD	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	97	330	100		7/13/2023 13:45	7/21/2023 17:16	ALD	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	53	180	100		7/13/2023 13:45	7/21/2023 17:16	ALD	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	110	360	100		7/13/2023 13:45	7/21/2023 17:16	ALD	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	94	320	100		7/13/2023 13:45	7/21/2023 17:16	ALD	EPA 8270D
2-Chlorophenol	<3.0	ug/L	68	230	100		7/13/2023 13:45	7/21/2023 17:16	ALD	EPA 8270D
2-Methylphenol	<3.0	ug/L	57	190	100		7/13/2023 13:45	7/21/2023 17:16	ALD	EPA 8270D
2-Nitrophenol	<3.0	ug/L	79	260	100		7/13/2023 13:45	7/21/2023 17:16	ALD	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	96	320	100		7/13/2023 13:45	7/21/2023 17:16	ALD	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	170	550	100		7/13/2023 13:45	7/21/2023 17:16	ALD	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	71	240	100		7/13/2023 13:45	7/21/2023 17:16	ALD	EPA 8270D
4-Nitrophenol	<3.0	ug/L	50	170	100		7/13/2023 13:45	7/21/2023 17:16	ALD	EPA 8270D
Pentachlorophenol	2600	ug/L	92	310	100		7/13/2023 13:45	7/21/2023 17:16	ALD	EPA 8270D
Phenol	<3.0	ug/L	42	150	100		7/13/2023 13:45	7/21/2023 17:16	ALD	EPA 8270D

CT LAB Sample#: 1346813 Sample Description: W33

Sampled: 7/11/2023 11:15

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Inorganic Results</b>										
Nitrate Nitrogen Total	<0.12	mg/L	0.12	0.40	1			7/12/2023 17:24	TMG	EPA 9056A

CT LAB Sample#: 1346813

Sample Description: W33

Sampled: 7/11/2023 11:15

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Total Sulfate	9.5	mg/L	0.80	2.5	1			7/12/2023 17:24	TMG	EPA 9056A
Total Organic Carbon	5.8	mg/L	0.4	3.0	1			7/18/2023 15:40	TMG	EPA 9060A
<b>Metals Results</b>										
Dissolved Iron	888	ug/L	25	84	1			7/12/2023 20:48	NAH	EPA 6010C
Dissolved Manganese	1930	ug/L	2.4	8.0	1			7/12/2023 20:48	NAH	EPA 6010C
Dissolved Mercury	0.026	ug/L	0.020 *	0.080	1		7/18/2023 13:20	7/20/2023 12:36	MDS	EPA 7470A
<b>Organic Results</b>										
TPH as Mineral Spirits	2200	ug/L	32	110	1		7/13/2023 13:00	7/17/2023 22:56	AJZ	EPA 8015
1,2,4-Trimethylbenzene	200	ug/L	4.6	16	5			7/14/2023 00:20	TMG	WDNR GRO
m & p-Xylene	13	ug/L	10 *	34	5			7/14/2023 00:20	TMG	WDNR GRO
Naphthalene	12	ug/L	5.5 *	17	5			7/14/2023 00:20	TMG	WDNR GRO
o-Xylene	68	ug/L	5.5	17	5			7/14/2023 00:20	TMG	WDNR GRO
2,3,4,6-Tetrachlorophenol	640	ug/L	76	250	100		7/13/2023 13:45	7/21/2023 17:39	ALD	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	95	320	100		7/13/2023 13:45	7/21/2023 17:39	ALD	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	88	300	100		7/13/2023 13:45	7/21/2023 17:39	ALD	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	97	330	100		7/13/2023 13:45	7/21/2023 17:39	ALD	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	53	180	100		7/13/2023 13:45	7/21/2023 17:39	ALD	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	110	360	100		7/13/2023 13:45	7/21/2023 17:39	ALD	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	94	320	100		7/13/2023 13:45	7/21/2023 17:39	ALD	EPA 8270D
2-Chlorophenol	<3.0	ug/L	68	230	100		7/13/2023 13:45	7/21/2023 17:39	ALD	EPA 8270D
2-Methylphenol	<3.0	ug/L	57	190	100		7/13/2023 13:45	7/21/2023 17:39	ALD	EPA 8270D
2-Nitrophenol	<3.0	ug/L	79	260	100		7/13/2023 13:45	7/21/2023 17:39	ALD	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	96	320	100		7/13/2023 13:45	7/21/2023 17:39	ALD	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	170	550	100		7/13/2023 13:45	7/21/2023 17:39	ALD	EPA 8270D

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 1346813    Sample Description: W33    Sampled: 7/11/2023 11:15

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
4-Chloro-3-methylphenol	<3.0	ug/L	71	240	100		7/13/2023 13:45	7/21/2023 17:39	ALD	EPA 8270D
4-Nitrophenol	<3.0	ug/L	50	170	100		7/13/2023 13:45	7/21/2023 17:39	ALD	EPA 8270D
Pentachlorophenol	<b>4000</b>	ug/L	92	310	100		7/13/2023 13:45	7/21/2023 17:39	ALD	EPA 8270D
Phenol	<3.0	ug/L	42	150	100		7/13/2023 13:45	7/21/2023 17:39	ALD	EPA 8270D

CT LAB Sample#: 1346814    Sample Description: W27    Sampled: 7/11/2023 12:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Inorganic Results</b>										
Nitrate Nitrogen Total	<0.12	mg/L	0.12	0.40	1			7/12/2023 17:46	TMG	EPA 9056A
Total Sulfate	<b>15</b>	mg/L	0.80	2.5	1			7/12/2023 17:46	TMG	EPA 9056A
Total Organic Carbon	<b>40</b>	mg/L	0.4	3.0	1			7/18/2023 15:51	TMG	EPA 9060A
<b>Metals Results</b>										
Dissolved Iron	<b>9190</b>	ug/L	25	84	1			7/12/2023 20:56	NAH	EPA 6010C
Dissolved Manganese	<b>18900</b>	ug/L	2.4	8.0	1			7/12/2023 20:56	NAH	EPA 6010C
Dissolved Mercury	<0.020	ug/L	0.020	0.080	1		7/18/2023 13:20	7/20/2023 12:39	MDS	EPA 7470A
<b>Organic Results</b>										
TPH as Mineral Spirits	<b>3400</b>	ug/L	32	110	1		7/13/2023 13:00	7/17/2023 23:31	AJZ	EPA 8015
1,2,4-Trimethylbenzene	<b>290</b>	ug/L	9.1	31	10			7/14/2023 00:55	TMG	WDNR GRO
m & p-Xylene	<20	ug/L	20	67	10			7/14/2023 00:55	TMG	WDNR GRO
Naphthalene	<b>46</b>	ug/L	11	34	10			7/14/2023 00:55	TMG	WDNR GRO
o-Xylene	<b>63</b>	ug/L	11	34	10			7/14/2023 00:55	TMG	WDNR GRO
2,3,4,6-Tetrachlorophenol	<b>150</b>	ug/L	38	130	50		7/13/2023 13:45	7/21/2023 18:02	ALD	EPA 8270D



CT LAB Sample#: 1346814    Sample Description: W27 Sampled: 7/11/2023 12:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,4,5-Trichlorophenol	<3.0	ug/L	48	160	50		7/13/2023 13:45	7/21/2023 18:02	ALD	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	44	150	50		7/13/2023 13:45	7/21/2023 18:02	ALD	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	49	170	50		7/13/2023 13:45	7/21/2023 18:02	ALD	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	27	92	50		7/13/2023 13:45	7/21/2023 18:02	ALD	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	53	180	50		7/13/2023 13:45	7/21/2023 18:02	ALD	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	47	160	50		7/13/2023 13:45	7/21/2023 18:02	ALD	EPA 8270D
2-Chlorophenol	<3.0	ug/L	34	120	50		7/13/2023 13:45	7/21/2023 18:02	ALD	EPA 8270D
2-Methylphenol	<3.0	ug/L	29	97	50		7/13/2023 13:45	7/21/2023 18:02	ALD	EPA 8270D
2-Nitrophenol	<3.0	ug/L	39	130	50		7/13/2023 13:45	7/21/2023 18:02	ALD	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	48	160	50		7/13/2023 13:45	7/21/2023 18:02	ALD	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	83	280	50		7/13/2023 13:45	7/21/2023 18:02	ALD	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	35	120	50		7/13/2023 13:45	7/21/2023 18:02	ALD	EPA 8270D
4-Nitrophenol	<3.0	ug/L	25	87	50		7/13/2023 13:45	7/21/2023 18:02	ALD	EPA 8270D
Pentachlorophenol	<b>3000</b>	ug/L	92	310	100		7/13/2023 13:45	7/24/2023 12:46	ALD	EPA 8270D
Phenol	<3.0	ug/L	21	73	50		7/13/2023 13:45	7/21/2023 18:02	ALD	EPA 8270D

CT LAB Sample#: 1346815    Sample Description: FP2 Sampled: 7/11/2023 13:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Inorganic Results</b>										
Total Sulfate	<b>2.1</b>	mg/L	0.80 *	2.5	1			7/12/2023 18:09	TMG	EPA 9056A
Total Organic Carbon	<b>6.2</b>	mg/L	0.4	3.0	1			7/18/2023 16:03	TMG	EPA 9060A
<b>Metals Results</b>										
Dissolved Iron	<b>18400</b>	ug/L	25	84	1			7/12/2023 21:03	NAH	EPA 6010C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 1346815	Sample Description: FP2	Sampled: 7/11/2023 13:00
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dissolved Manganese	7680	ug/L	2.4	8.0	1			7/12/2023 21:03	NAH	EPA 6010C
<b>Organic Results</b>										
TPH as Mineral Spirits	1900	ug/L	32	110	1		7/13/2023 13:00	7/18/2023 00:06	AJZ	EPA 8015

CT LAB Sample#: 1346816	Sample Description: PW17	Sampled: 7/11/2023 13:15
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Inorganic Results</b>										
Total Sulfate	10	mg/L	0.80	2.5	1			7/12/2023 18:32	TMG	EPA 9056A
Total Organic Carbon	3.7	mg/L	0.4	3.0	1			7/18/2023 16:14	TMG	EPA 9060A
<b>Metals Results</b>										
Dissolved Iron	2310	ug/L	25	84	1			7/12/2023 21:11	NAH	EPA 6010C
Dissolved Manganese	3070	ug/L	2.4	8.0	1			7/12/2023 21:11	NAH	EPA 6010C
<b>Organic Results</b>										
TPH as Mineral Spirits	660	ug/L	32	110	1		7/13/2023 13:00	7/18/2023 01:51	AJZ	EPA 8015

CT LAB Sample#: 1346817	Sample Description: W40R	Sampled: 7/11/2023 14:00
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Inorganic Results</b>										
Nitrate Nitrogen Total	<0.12	mg/L	0.12	0.40	1			7/12/2023 18:55	TMG	EPA 9056A
Total Sulfate	9.7	mg/L	0.80	2.5	1			7/12/2023 18:55	TMG	EPA 9056A
Total Organic Carbon	11	mg/L	0.4	3.0	1			7/18/2023 17:01	TMG	EPA 9060A

CT LAB Sample#: 1346817

Sample Description: W40R

Sampled: 7/11/2023 14:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Metals Results</b>										
Dissolved Iron	4250	ug/L	25	84	1			7/12/2023 21:19	NAH	EPA 6010C
Dissolved Manganese	8160	ug/L	2.4	8.0	1			7/12/2023 21:19	NAH	EPA 6010C
Dissolved Mercury	<0.020	ug/L	0.020	0.080	1		7/18/2023 13:20	7/20/2023 12:42	MDS	EPA 7470A
<b>Organic Results</b>										
TPH as Mineral Spirits	32000	ug/L	320	1100	10		7/13/2023 13:00	7/18/2023 13:14	AJZ	EPA 8015
1,2,4-Trimethylbenzene	1200	ug/L	46	160	50			7/14/2023 10:44	TMG	WDNR GRO
m & p-Xylene	57	ug/L	40 *	130	20			7/14/2023 01:29	TMG	WDNR GRO
Naphthalene	130	ug/L	22	68	20			7/14/2023 01:29	TMG	WDNR GRO
o-Xylene	280	ug/L	22	68	20			7/14/2023 01:29	TMG	WDNR GRO
2,3,4,6-Tetrachlorophenol	370	ug/L	76	250	100		7/13/2023 13:45	7/21/2023 18:25	ALD	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	95	320	100		7/13/2023 13:45	7/21/2023 18:25	ALD	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	88	300	100		7/13/2023 13:45	7/21/2023 18:25	ALD	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	97	330	100		7/13/2023 13:45	7/21/2023 18:25	ALD	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	53	180	100		7/13/2023 13:45	7/21/2023 18:25	ALD	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	110	360	100		7/13/2023 13:45	7/21/2023 18:25	ALD	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	94	320	100		7/13/2023 13:45	7/21/2023 18:25	ALD	EPA 8270D
2-Chlorophenol	<3.0	ug/L	68	230	100		7/13/2023 13:45	7/21/2023 18:25	ALD	EPA 8270D
2-Methylphenol	<3.0	ug/L	57	190	100		7/13/2023 13:45	7/21/2023 18:25	ALD	EPA 8270D
2-Nitrophenol	<3.0	ug/L	79	260	100		7/13/2023 13:45	7/21/2023 18:25	ALD	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	96	320	100		7/13/2023 13:45	7/21/2023 18:25	ALD	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	170	550	100		7/13/2023 13:45	7/21/2023 18:25	ALD	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	71	240	100		7/13/2023 13:45	7/21/2023 18:25	ALD	EPA 8270D
4-Nitrophenol	<3.0	ug/L	50	170	100		7/13/2023 13:45	7/21/2023 18:25	ALD	EPA 8270D

CT LAB Sample#: 1346817	Sample Description: W40R	Sampled: 7/11/2023 14:00
-------------------------	--------------------------	--------------------------

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Pentachlorophenol	4700	ug/L	92	310	100		7/13/2023 13:45	7/21/2023 18:25	ALD	EPA 8270D
Phenol	<3.0	ug/L	42	150	100		7/13/2023 13:45	7/21/2023 18:25	ALD	EPA 8270D

CT LAB Sample#: 1346818	Sample Description: BLANK 01	Sampled: 7/11/2023 14:30
-------------------------	------------------------------	--------------------------

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
---------	--------	-------	-----	-----	----------	-----------	----------------	--------------------	---------	--------

**Inorganic Results**

Nitrate Nitrogen Total	<0.12	mg/L	0.12	0.40	1			7/12/2023 19:18	TMG	EPA 9056A
Total Sulfate	<0.80	mg/L	0.80	2.5	1			7/12/2023 19:18	TMG	EPA 9056A
Total Organic Carbon	<0.4	mg/L	0.4	3.0	1			7/18/2023 17:12	TMG	EPA 9060A

**Metals Results**

Dissolved Iron	<25	ug/L	25	84	1			7/12/2023 21:27	NAH	EPA 6010C
Dissolved Manganese	<2.4	ug/L	2.4	8.0	1			7/12/2023 21:27	NAH	EPA 6010C
Dissolved Mercury	<0.020	ug/L	0.020	0.080	1		7/18/2023 13:20	7/20/2023 12:45	MDS	EPA 7470A

**Organic Results**

TPH as Mineral Spirits	<32	ug/L	32	110	1		7/13/2023 13:00	7/18/2023 03:01	AJZ	EPA 8015
1,2,4-Trimethylbenzene	<0.91	ug/L	0.91	3.1	1			7/13/2023 14:06	TMG	WDNR GRO
m & p-Xylene	<2.0	ug/L	2.0	6.7	1			7/13/2023 14:06	TMG	WDNR GRO
Naphthalene	<1.1	ug/L	1.1	3.4	1			7/13/2023 14:06	TMG	WDNR GRO
o-Xylene	<1.1	ug/L	1.1	3.4	1			7/13/2023 14:06	TMG	WDNR GRO
2,3,4,6-Tetrachlorophenol	<3.0	ug/L	0.87	2.9	1		7/18/2023 14:00	7/24/2023 14:18	ALD	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	1.1	3.7	1		7/18/2023 14:00	7/24/2023 14:18	ALD	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	1.0	3.4	1		7/18/2023 14:00	7/24/2023 14:18	ALD	EPA 8270D

CT LAB Sample#: 1346818

Sample Description: BLANK 01

Sampled: 7/11/2023 14:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,4-Dichlorophenol	<3.0	ug/L	1.1	3.8	1		7/18/2023 14:00	7/24/2023 14:18	ALD	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	0.61	2.1	1		7/18/2023 14:00	7/24/2023 14:18	ALD	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	1.2	4.1	1		7/18/2023 14:00	7/24/2023 14:18	ALD	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	1.1	3.7	1		7/18/2023 14:00	7/24/2023 14:18	ALD	EPA 8270D
2-Chlorophenol	<3.0	ug/L	0.78	2.7	1		7/18/2023 14:00	7/24/2023 14:18	ALD	EPA 8270D
2-Methylphenol	<3.0	ug/L	0.66	2.2	1		7/18/2023 14:00	7/24/2023 14:18	ALD	EPA 8270D
2-Nitrophenol	<3.0	ug/L	0.90	3.0	1		7/18/2023 14:00	7/24/2023 14:18	ALD	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	1.1	3.7	1		7/18/2023 14:00	7/24/2023 14:18	ALD	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	1.9	6.3	1		7/18/2023 14:00	7/24/2023 14:18	ALD	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	0.81	2.8	1		7/18/2023 14:00	7/24/2023 14:18	ALD	EPA 8270D
4-Nitrophenol	<3.0	ug/L	0.58	2.0	1		7/18/2023 14:00	7/24/2023 14:18	ALD	EPA 8270D
Pentachlorophenol	<b>3.2</b>	ug/L	1.1 *	3.6	1		7/18/2023 14:00	7/24/2023 14:18	ALD	EPA 8270D
Phenol	<3.0	ug/L	0.48	1.7	1		7/18/2023 14:00	7/24/2023 14:18	ALD	EPA 8270D

Notes: \* Indicates a value in between the LOD (limit of detection) and the LOQ (limit of quantitation). All LOD/LOQs are adjusted to reflect dilution and also any differences in the sample weight / volume as compared to standard amounts.

All samples were received intact and properly preserved unless otherwise noted. The results reported relate only to the samples tested. This report shall not be reproduced, except in full, without written approval of this laboratory. The Chain of Custody is attached.

Submitted by: **Brett M. Szymanski**  
 Project Manager  
 608-356-2760

**QC Qualifiers**

<u>Code</u>	<u>Description</u>
B	Analyte detected in the associated Method Blank.
C	Toxicity present in BOD sample.
D	Diluted Out.
E	Safe, No Total Coliform detected.
F	Unsafe, Total Coliform detected, no E. Coli detected.
G	Unsafe, Total Coliform detected and E. Coli detected.
H	Holding time exceeded.
I	Incubator temperature was outside acceptance limits during test period.
J	Estimated value.
L	Significant peaks were detected outside the chromatographic window.
M	Matrix spike and/or Matrix Spike Duplicate recovery outside acceptance limits.
N	Insufficient BOD oxygen depletion.
O	Complete BOD oxygen depletion.
P	Concentration of analyte differs more than 40% between primary and confirmation analysis.
Q	Laboratory Control Sample outside acceptance limits.
R	See Narrative at end of report.
S	Surrogate standard recovery outside acceptance limits due to apparent matrix effects.
T	Sample received with improper preservation or temperature.
U	Analyte concentration was below detection limit.
V	Raised Quantitation or Reporting Limit due to limited sample amount or dilution for matrix background interference.
W	Sample amount received was below program minimum.
X	Analyte exceeded calibration range.
Y	Replicate/Duplicate precision outside acceptance limits.
Z	Specified calibration criteria was not met.

**Current CT Laboratories Certifications**

Wisconsin (WDNR) Chemistry ID# 157066030  
 Wisconsin (DATCP) Bacteriology ID# 289  
 Louisiana NELAP (primary) ID# 115843  
 Illinois NELAP Lab ID# 200073  
 Kansas NELAP Lab ID# E-10368  
 Virginia NELAP Lab ID# 460203  
 ISO/IEC 17025-2005 A2LA Cert # 3806.01  
 DoD-ELAP A2LA 3806.01

Company Name: TRC  
 Project Contact: Bruce Iverson  
 Telephone: 608-826-3644  
 Project Name: Wauleco  
 Project Number: 189597.0012  
 Project Location: Wausau, WI  
 Sampled By: Tom Dushek

# CTLaboratories

1230 Lange Court, Baraboo, WI 53913  
 608-356-2760 Tel. Fx 608-356-2766  
 www.ctlaboratories.com

Mail Report To: Bruce Iverson  
 Company: TRC  
 Address: 708 Heartland Trail  
 City/State/Zip: Madison, WI 53717

Folder # 178913  
 Company: TRC ENVIRONMENTAL  
 Project WAULECO  
 Logged By: erc PM BMS

Ice Present  Yes  No  
 Temperature 26.2 N27  
 Initials JK GM  
 Date 7/11/23 Time 9:40  
 Cooler # 6201, 5600, 6165, 6166

Invoice To: Accounts Payable  
 Company: TRC  
 Address:  
 City/State/Zip:  
 PO No. 194539

Regulatory Program:  
 UST  RCRA  SDWA  NPDES  
 Solid Waste Other \_\_\_\_\_

Contract No.

**Turnaround Time**

Normal RUSH\* Date Needed \_\_\_\_\_  
 \*Notify Lab prior to sending in RUSH  
 Surcharges 24 hr 200% 2-3 days 100% 4-9 days 50%  
 Surcharges subject to change without notice.

Client Special Instructions:  
 VOC's - Report only Naphthalene, xylenes, 1,2,4-trimethylbenzene. Metals are filtered.

**Landfill License Number**

Collection		Field Screen	Field ID	Grab/Comp	Sample ID Description	Filt'd Y/N
Date	Time					
7/11/23	0730			G	WGR	N
	0730				WGR Dup	
	0745				Trip Blank 04	
	0830				W2	
	0830				W2 Dup	
	0935				W41	
	1025				W22	
	1115				W33	
	1200				W27	

WDNR Well ID #	**Matrix:	Phenols (8270)	TPH	VOC's (8020)	Diss. Hg	Nitrate	Sulfate	TOC	Diss. Fe, Mn	Total No of Containers	Total No of Cont. Rec'd	Preservation*
	GW	2	1	3	1	1	✓	1	✓	9		
		2	1	3	1	1	✓	1	✓	9		
				1						1		
		2	1	3	1	1				8		
		2	1	3	1	1				8		
		2	1	3	1	1	✓	1	✓	9		
		2	1	3	1	1	✓	1	✓	9		
		2	1	3	1	1	✓	1	✓	9		
		2	1	3	1	1	✓	1	✓	9		
		A	A	B	D	A	A	C	D			

Lab ID #  
1346506  
67  
08  
09  
10  
11  
12  
13  
14

Relinquished By: S. J. Dushek Date/Time: 7/11/23 1600  
 Received by: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Relinquished By: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Received by: ERC Date/Time: 7/11/23 1:27

\*\*Matrix  
 S-Soil A-Air Slg-Sludge M-Misc Waste  
 GW-Groundwater SW-Surface Water  
 WW-Wastewater DW-Drinking Water

\* Preservation Code  
 A=None B=HCL  
 C=H2SO4 D=HNO3  
 E=Encore F=Methanol  
 G=NaOH  
 O=Other \_\_\_\_\_

Company Name: TRC  
 Project Contact: Bruce Iverson  
 Telephone: 608-826-3644  
 Project Name: Wauleco  
 Project Number: 189597.0012  
 Project Location: Wausau, WI  
 Sampled By: Tom Dushek

# CTLaboratories

1230 Lange Court, Baraboo, WI 53913  
 608-356-2760 Tel. Fx 608-356-2766  
 www.ctlaboratories.com

Mail Report To: Bruce Iverson  
 Company: TRC  
 Address: 708 Heartland Trail  
 City/State/Zip: Madison, WI 53717

*178903*  
 Place Header Sticker Here:  
 Lab Use Only

Ice Present  Yes  No

Temperature *66.2 F*  
 Initials *K B*

Date *7/11/23* Time *9:00*

Cooler # *6201, 5600, 6103, 5900*

Invoice To: Accounts Payable  
 Company: TRC  
 Address:  
 City/State/Zip:  
 PO No. 194539

Regulatory Program:  
 UST RCRA SDWA NPDES  
 Solid Waste Other \_\_\_\_\_

Contract No.

**Turnaround Time**

Normal RUSH\* Date Needed \_\_\_\_\_

\*Notify Lab prior to sending in RUSH  
 Surcharges 24 hr 200% 2-3 days 100% 4-9 days 50%  
 Surcharges subject to change without notice.

**Landfill License Number**

Collection		Field Screen	Field ID	Grab/Comp	Sample-ID Description	Field Y/N
7/11/23	1300			G	FP2	N
	1315				PW17	
	1400				W40R	
	1430				Blank 01	

WDNR Well ID #	**Matrix:	Phenols (8270)	TPH	VOC's (8020)	Diss. Hg	Nitrate	Sulfate	TOC	Diss. Fe, Mn	Total No of Containers	Total No of Cont. Rec'd	Preservation*
	GW		1				1	1	1	4		
			1				1	1	1	4		
		2	1	3	1	1	✓	1	✓	9		
		2	1	3	1	1	✓	1	✓	9		

Client Special Instructions:  
 VOC's - Report only  
 Naphthalene, xylenes,  
 1,2,4-trimethylbenzene.  
 Metals are filtered.

Lab ID #  
*1346815*  
*16*  
*17*  
*18*

Fill in Spaces with Bottles per Test

A A B D A A C D

Relinquished By:  
*J. J. Dushek*

Date/Time  
 7/11/23  
 1600

Relinquished By:  
 \_\_\_\_\_

Date/Time  
 \_\_\_\_\_

**\*\*Matrix**  
 S-Soil A-Air Slg-Sludge M-Misc Waste  
 GW-Groundwater SW-Surface Water  
 WW-Wastewater DW-Drinking Water

**\* Preservation Code**  
 A=None B=HCL  
 C=H2SO4 D=HNO3  
 E=Encore F=Methanol  
 G=NaOH  
 O=Other \_\_\_\_\_

Received by:  
 \_\_\_\_\_

Date/Time  
 \_\_\_\_\_

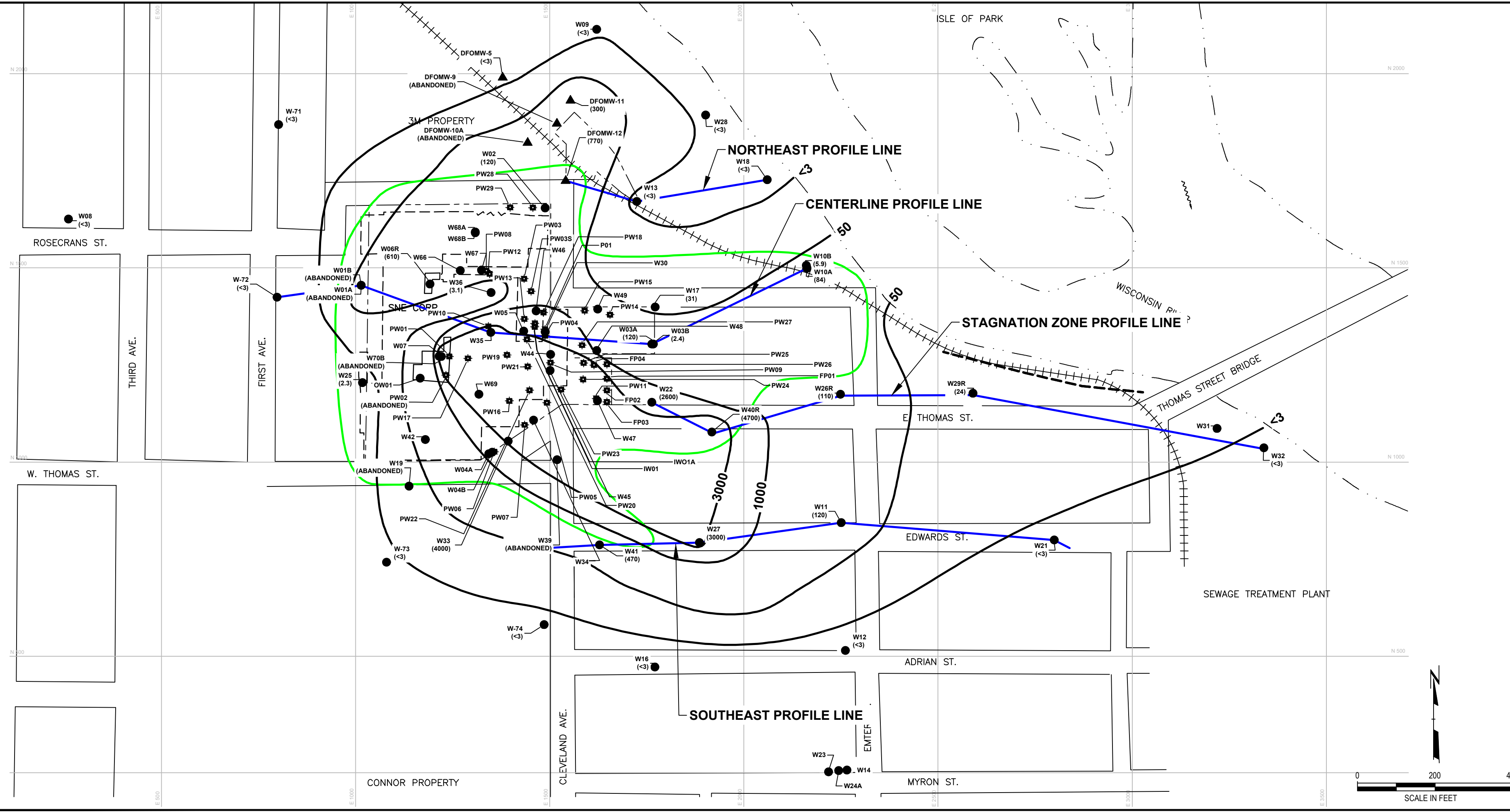
Received by:  
*[Signature]*

Date/Time  
 7/11/23



**APPENDIX E**  
**PCP CONCENTRATION DISTANCE GRAPHS**

1104 - USER: TFI... ATTACHED: WREFS... BARRING: (DATE: JUNE 2023) PCP DISTANCE PROFILES - ATTACHED IMAGES  
 DRAWING NAME: J:\Wausau\189597 - Annual 2024\013 Phase 21 189597.0013.E-1.dwg -- PLOT DATE: March 07, 2024 - 8:52AM -- LAYOUT: PCP ISOCONCENTRATION MAP WITH CONCENTRATION DISTANCE PROFILES  
 Version: 2017.10.21

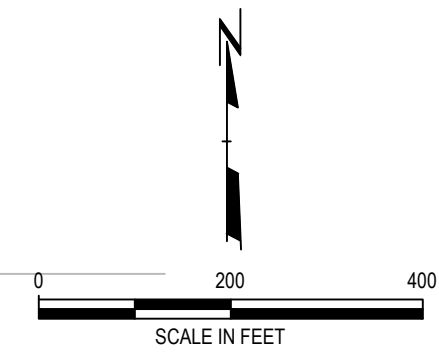


**LEGEND**

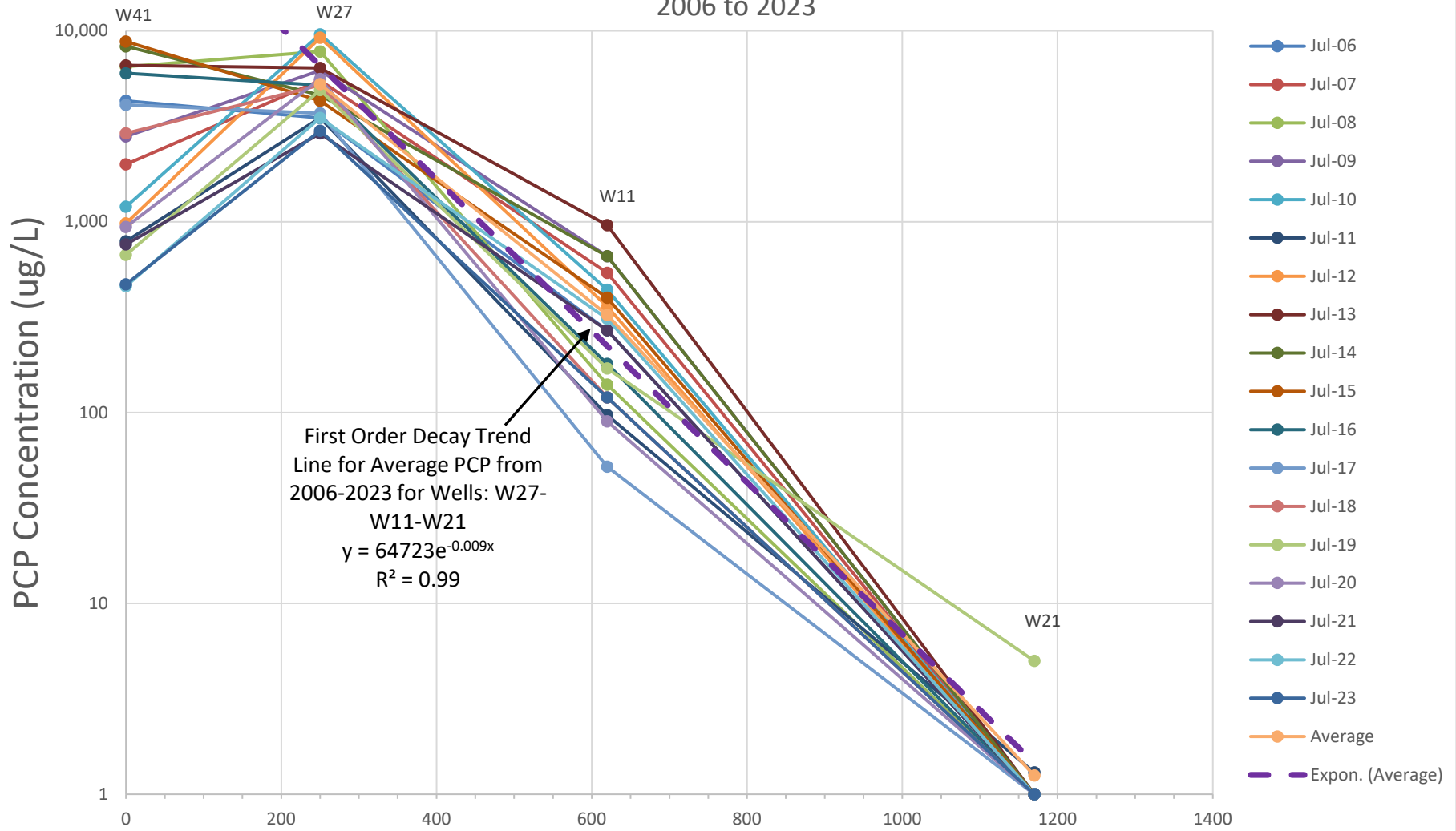
- W17 (15) ● MONITORING WELL LOCATION AND PCP CONCENTRATION (ug/L)
- PW12 ● EXTRACTION WELL LOCATION AND NUMBER
- DFOMW-5 ▲ 3M GROUNDWATER MONITORING WELL
- APPROXIMATE PROPERTY LINE
- - - FORMER BUILDING OUTLINE
- 50 PCP ISOCONCENTRATION CONTOUR INTERVAL VARIES (DASHED WHERE INFERRED)
- OUTLINE OF RESIDUAL PHASE PRODUCT
- - - APPROXIMATE LOCATION OF SHEET PILE WALL

- NOTES**
- BASE MAP DEVELOPED FROM DRAWING A107250-1 OF THE SEPTEMBER 1992 SEMI-ANNUAL GROUNDWATER MONITORING REPORT BY KEYSTONE ENVIRONMENTAL, MWH DRAWING 2082658.302160101-B1, AND 3M WELLS LOCATION BASED ON 3M MAPS.
  - GROUNDWATER SAMPLES OBTAINED BY TRC ON JULY 5, 6, 10, 11, 2023.
  - ANALYTE CONCENTRATIONS OBTAINED FROM LABORATORY DATA BY CT LABORATORIES, INC. IN WELL CLUSTERS THE VALUE FROM THE SHALLOWEST WELL WAS USED TO DETERMINE ISOCONCENTRATIONS FOR THE ANALYTE.
  - THE NR140 ENFORCEMENT STANDARD (ES) FOR PCP IS 1.0 ug/L. THE NR140 PREVENTIVE ACTION LIMIT (PAL) FOR PCP IS 0.10 ug/L.
  - WAULECO WELLS PW02 AND W70B WERE ABANDONED ON 7/21/16 DURING SOIL MOUND REMOVAL ACTIVITIES BY TRC. 3M WELLS DFOMW9 AND DFOMW10A WERE ABANDONED BY 3M IN THE SUMMER OF 2015.
  - WAULECO WELLS W19 AND W39 WERE ABANDONED ON 3/28/19 PRIOR TO THOMAS STREET RECONSTRUCTION. WELLS W26, W29, AND W40 WERE ALSO ABANDONED ON 3/28/19, WITH REPLACEMENT WELLS W26R, W29R, AND W40R INSTALLED ON 6/24/19.
  - WAULECO WELLS W01A AND W01B WERE ABANDONED ON 6/29/21 AND 6/30/21 DUE TO THE RAILROAD PROPERTY TRANSFER TO 3M.
  - THE CITY OF WAUSAU INSTALLED A STEEL SHEET PILING WALL IN 2020 TO REPLACE A ROCK WALL ON THE WISCONSIN RIVER BANK LOCATED WEST OF THE THOMAS STREET BRIDGE.

PROJECT:		<b>WAULECO, INC.</b>	
		<b>ANNUAL GROUNDWATER MONITORING REPORT</b>	
		<b>WAUSAU, WISCONSIN</b>	
TITLE: <b>PCP ISOCONCENTRATION MAP WITH CONCENTRATION DISTANCE PROFILES (JULY 2023)</b>			
DRAWN BY:	T. FIEBRANZ	PROJ NO.:	189597.0013
CHECKED BY:	T. DUSHEK	<b>FIGURE E-1</b>	
APPROVED BY:	S. SELLWOOD		
DATE:	MARCH 2024		
DRAWN BY:		999 Fourier Drive Suite 101 Madison, WI 53717 Phone: 608.826.3600	
FILE NO.:		189597.0013.E-1.dwg	



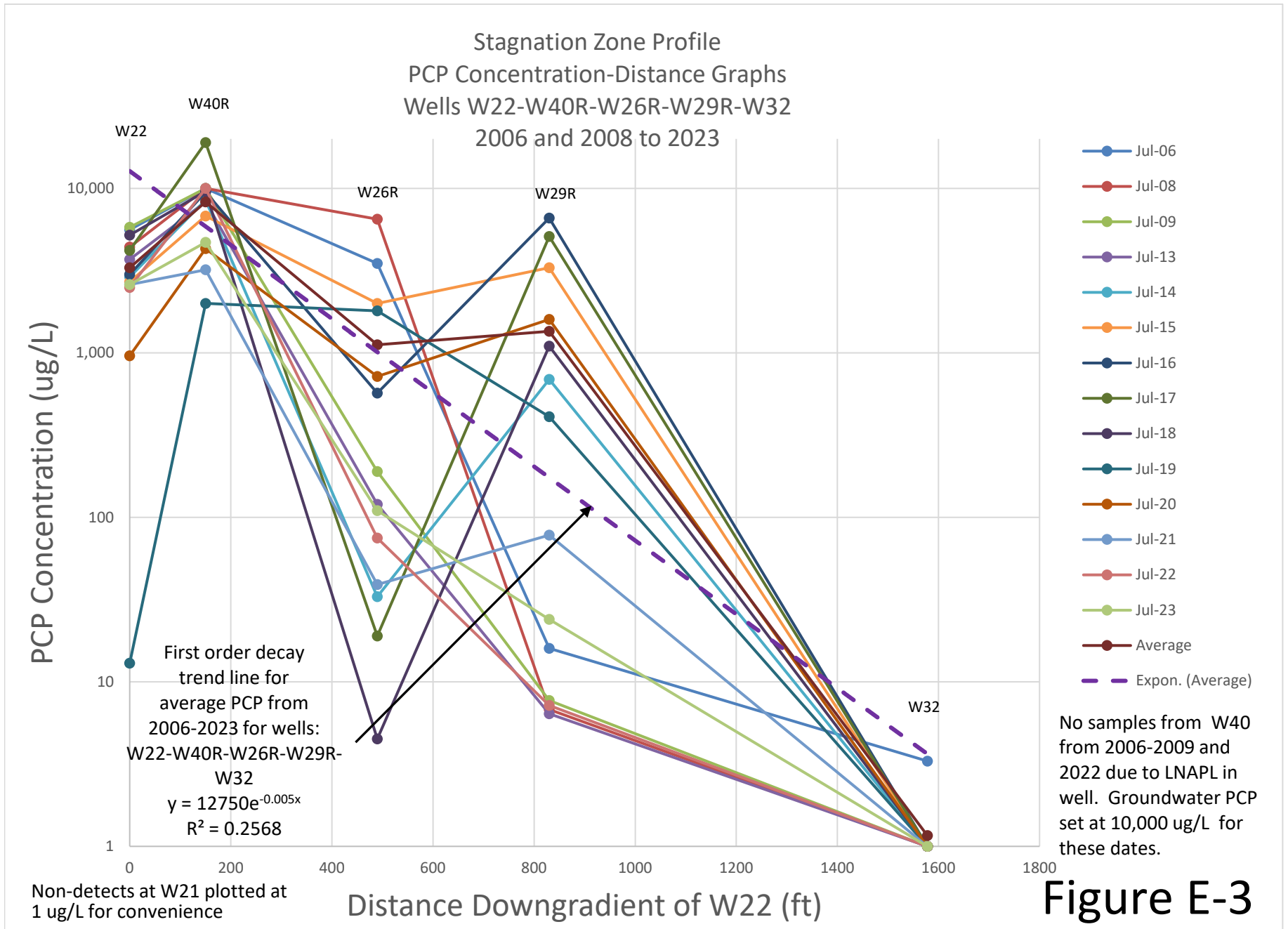
Southeast Profile  
PCP Concentration-Distance Graphs  
Wells W41-W27-W11-W21  
2006 to 2023



Non-detects at W21 plotted at 1 ug/L for convenience

Distance Downgradient of W41 (ft)

Figure E-2



**Figure E-3**

Stagnation Zone Profile  
 PCP Concentration-Distance Graphs  
 Wells W22-W40R-W26R-W29R-W32  
 Select Dates

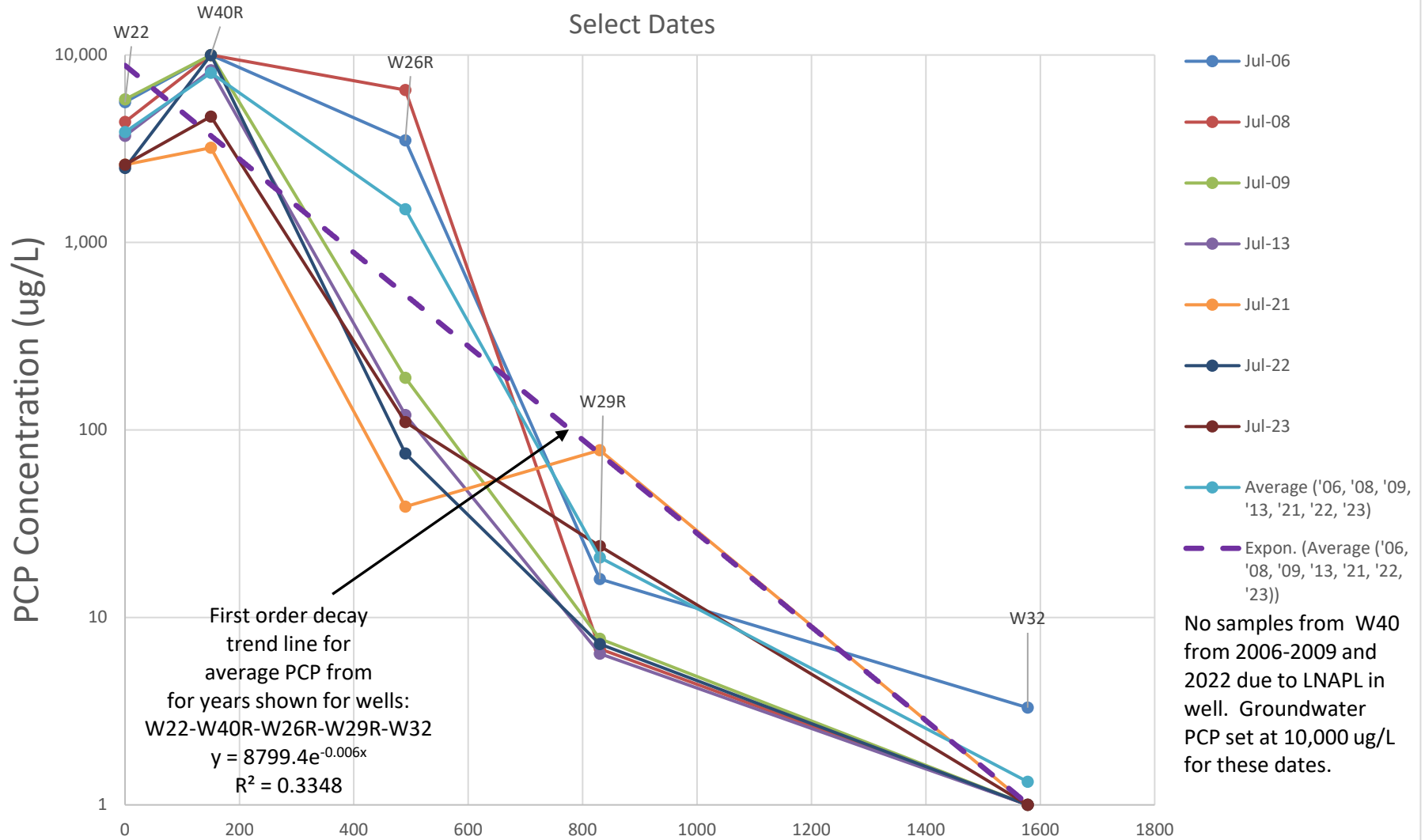
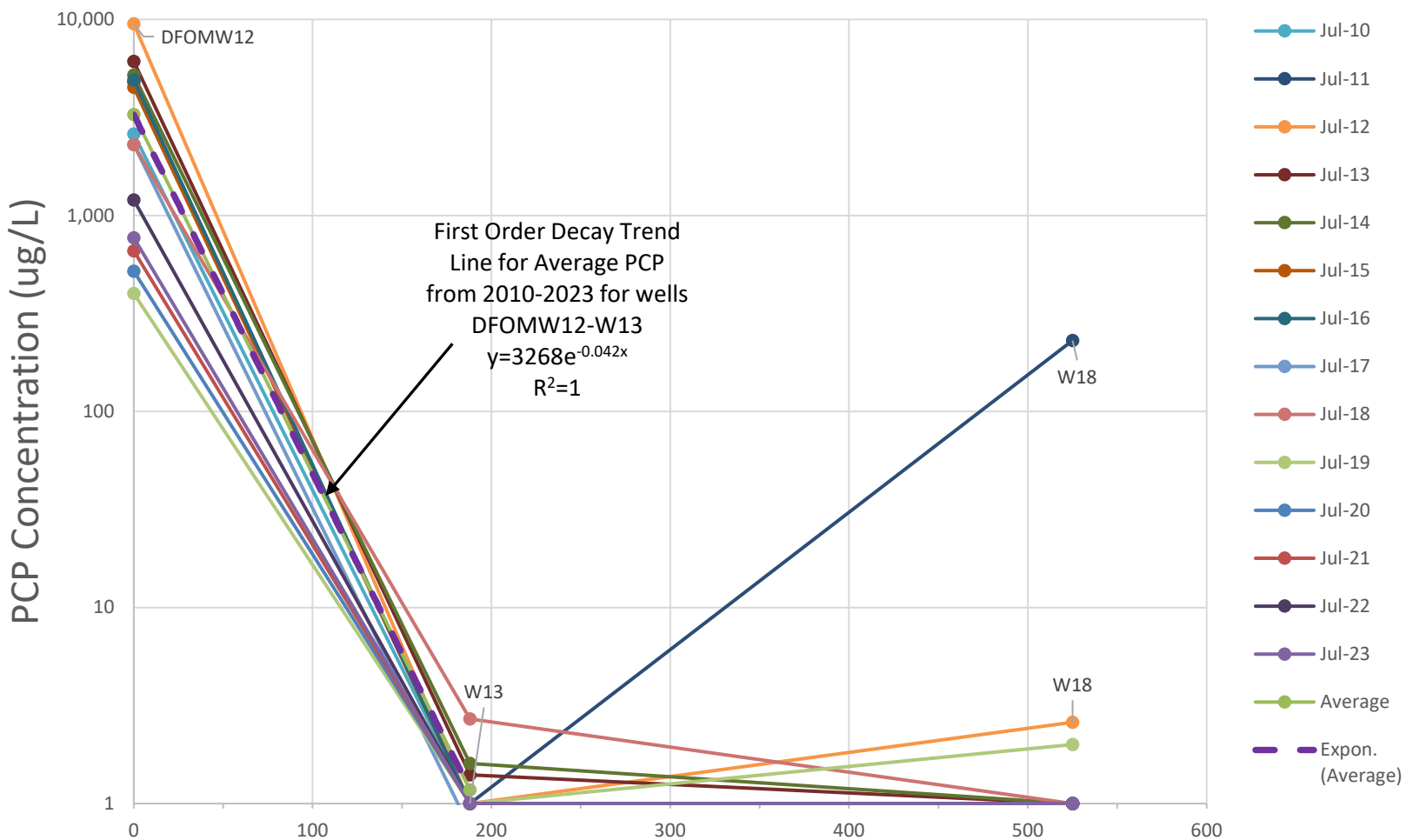


Figure E-4

Northeast Profile  
 PCP Concentration-Distance Graphs  
 Wells DFOMW12-W13-W18  
 2010 to 2023

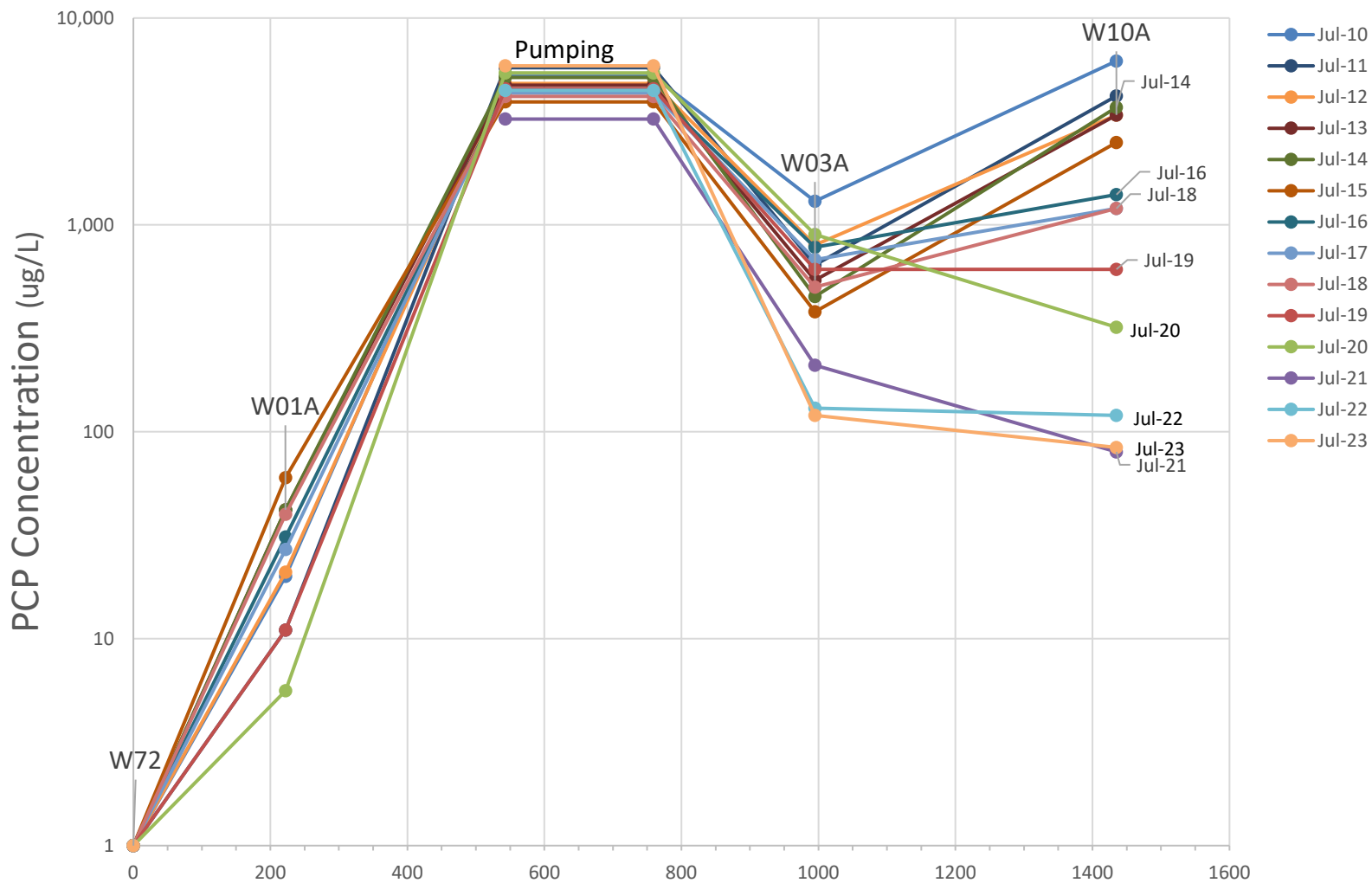


Non-detects plotted at 1 ug/L for convenience

Distance Downgradient of DFOMW12 (ft)

Figure E-5

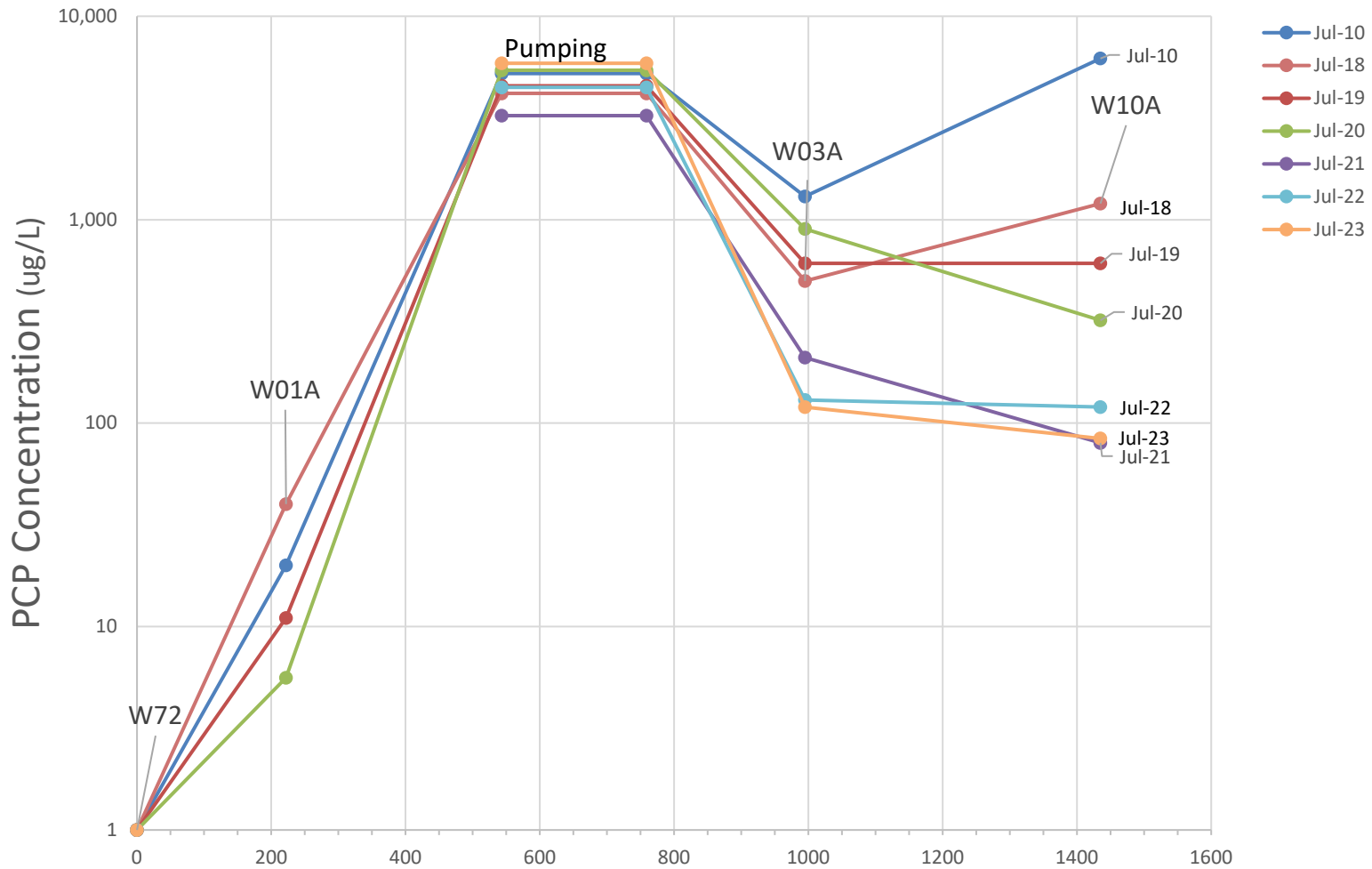
Centerline Profile  
 PCP Concentration-Distance Graphs  
 Wells W72, W01A, W03A, W10A  
 2010 to 2023



Non-detects plotted at 1 ug/L for convenience

Figure E-6

Centerline Profile  
 PCP Concentration-Distance Graphs  
 Wells W72, W01A, W03A, W10A  
 2010 and 2018 to 2023



Non-detects plotted at 1 ug/L for convenience

Figure E-7