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April 30, 2021

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

Subject: 2020 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 2020 Annual Groundwater Monitoring Report for the Wauleco, Inc. site in Wausau, Wisconsin. This report includes the results of sampling and laboratory analysis for the semi-annual (winter, summer, and fall) groundwater monitoring events at the Wauleco site.

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

Sincerely,

TRC

Ken Quinn, P.G.
Senior Hydrogeologist

Bruce Iverson, P.E.
Project Manager

Enclosure: 2020 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)

2020 ANNUAL GROUNDWATER MONITORING REPORT

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

April 2021

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

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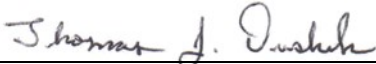
**Prepared By:
TRC, Inc.
Madison, Wisconsin**


Project No. 189597

2020 ANNUAL GROUNDWATER MONITORING REPORT

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

April 2021

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2020 ANNUAL GROUNDWATER MONITORING REPORT

WAULECO, INC. WAUSAU FACILITY

INTRODUCTION

This 2020 Annual Groundwater Monitoring Report presents a summary of groundwater quality data collected from the Wauleco, Inc. facility in Wausau, Wisconsin (see Drawing 1) in 2020. 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, summer, and fall) for 2020. 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 PW9 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 PW9, 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 W6, W15, W20, W37, and W38 were abandoned in 1993.
- Monitoring well W43 was lost during utility work prior to 1993.
- Monitoring wells W6R, 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 PW2 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. Monthly water levels were collected prior to the start of dewatering operations and is continuing for the duration of dewatering at select wells to monitor changes in groundwater elevations reflected in site wells. Additional sampling of 10 monitoring wells near the WWTP for PCP analysis was conducted in October 2020 and will continue on a quarterly basis until dewatering is completed (2 years).
- 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 2020. 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 product 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 2020 in Table 2. The locations of the groundwater monitoring and extraction wells are shown on Drawing 2. No wells planned to be

sampled contained mobile LNAPL, so groundwater quality samples were collected from all planned wells. Groundwater elevation measurements collected during the January 3, July 2, and October 5, 2020 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, July, and October 2020 groundwater analytical results is provided in Tables 5a, 5b, and 5c respectively; graphs of PCP results are included in Appendix C; and laboratory reports for January, July, and October 2020 are included in Appendices D1, D2, and D3, respectively.

PRESENTATION OF RESULTS

New Activities in 2020

In 2020 there were two new activities in the vicinity of the Wauleco site that may have an influence on groundwater elevations and/or groundwater quality. These are:

- **WWTP Dewatering Operations** – The City of Wausau began a groundwater dewatering operation (i.e., pumping groundwater to lower groundwater elevations) on August 3, 2020 for construction of new facilities at the City's Wastewater Treatment Plant (WWTP). In response, Wauleco increased groundwater monitoring frequency to monitor the dewatering effects. Groundwater elevation monitoring is being conducted monthly at 11 selected wells and PCP samples are being collected quarterly at 10 selected wells, see Tables 1 and 2. The dewatering effects are discussed following the groundwater elevation summary. However, since the dewatering started after the July 2020 sampling round, a comprehensive evaluation will be completed with the July 2021 sampling event data.
- **City of Wausau Retaining Wall** – 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 (shown on Figure 2). The wall extends for approximately 550 linear feet, with a maximum estimated depth of 35 feet below ground surface. The depth to groundwater in this area is roughly 5 ft. to 9 ft. below ground¹. The retaining wall was not in place prior to the July 2020 groundwater measurements, so it did not affect the Water Table Maps in Drawings 3 and 4. Effects of this wall on groundwater flow may not be evident until 2021 and beyond.

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

- Groundwater Elevations

¹ The depth to groundwater is estimated from a Marathon County topographic map for the area (from: https://gis.co.marathon.wi.us/Html5ViewerExt/Index.html?viewer=mcmaps_html), showing a ground surface of 1166 ft. to 1170 ft. above mean sea level in the area of the wall and a groundwater elevation of approximately 1161.26 ft at W29 on July 2, 2020.

- Dewatering Well Elevations
- Apparent Product Thickness
- Product Recovery
- Dissolved PCP Recovery
- Total PCP Recovered
- Groundwater Quality

Groundwater Elevations

Groundwater elevations for 2020 are summarized in Table 3, with Figure 1 showing the historic groundwater elevation at this site as the average water level deviation². As shown in Figure 1, since 1990 the average water level deviation has ranged from -2.8 ft to +4.46 ft. In 2020, the average water level deviation followed the same pattern as early 2019 with a wet spring and summer. It was followed by a dryer than normal late summer and fall, with the average water level deviation dropping to 0.67 ft. which is the lowest deviation observed since April 2018.

As agreed with 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 2020 water table maps (Drawing 3 and 4, respectively) show a capture zone extending to at least 200 ft. in January and potentially 100 ft. in July downgradient of the east property line adjacent to extraction wells FP01 and FP02.

Dewatering Well Elevations

As noted above, the City of Wausau began a dewatering program on August 3, 2020 for construction of new facilities at the City's WWTP, located approximately 1,900 feet southeast of the Wauleco site. Water levels from 11 monitoring wells located between Wauleco and the WWTP were measured monthly to assess the effect of the dewatering (Table 4). After two months of dewatering, most of the monitoring wells had stabilized as shown in the graph in Table 4. Drawdown has stabilized at just under 2 ft. below pre-dewatering elevations for wells W11, W21, and W26R. Well W22 appears to have greater drawdown, however, the pre-dewatering elevation recorded at W22 was somewhat elevated, so the 2.5 ft. of drawdown is likely a combination of decline due to natural elevation changes and dewatering.

² 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.

Apparent Product Thickness

The apparent product thicknesses during January and July 2020 are shown on Drawings 5 and 6, respectively. Apparent product thickness represents a measurable thickness of product that has moved into a monitoring well. As shown in the following table, only four monitoring wells and one extraction well showed apparent mobile product in 2020, and sporadically at that. This illustrates that the apparent mobile product at the site is thin and isolated to very small areas.

Well	January 2020 Apparent Product Thickness (ft)	April 2020 Apparent Product Thickness (ft)	July 2020 Apparent Product Thickness (ft)	October 2020 Apparent Product Thickness¹ (ft)
W04A	0.0	0.0	0.01	0.0
W07	0.0	0.0	0.03	0.06
W35	0.0	0.0	0.03	0.13
W40/W40R	0.0	0.0	0.0	0.05
PW16	0.0	0.0	0.02	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 product thickness is present.

As shown in the table above, mobile product was detected at five wells at one or two events throughout the year. Each of these product appearances occurred while pumping 13 extraction wells and demonstrates that very limited areas of mobile product exists on-site.

As shown in the table above, the effect of the City's dewatering that began in August 2020, may have affected apparent product thickness as reflected in the October results.

Product Recovery

Historic product recovery is summarized in the following table. No product was recovered in 2020.

Year	Product Recovery (gallons)
1991 through 1997	38,705
1998	12,901
1999 – 1 st 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 st year with 4 new focused pumping wells	1,964.4
2009	1,198.3
2010	80.8

Year	Product Recovery (gallons)
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
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 6. During 2020, a total of 11.78 million gallons of water were treated through the fluidized bed reactor (FBR) system. The average PCP concentration of the influent water was 5,194 micrograms per liter ($\mu\text{g/L}$), and the average PCP concentration in the treatment system effluent was 1.80 $\mu\text{g/L}$. This translates to 511 pounds (lb) of PCP removed during 2020.

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 $\mu\text{g/L}$ and 6,000 $\mu\text{g/L}$.

Year	Average Annual Treatment System Influent Concentration ($\mu\text{g/L}$)
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

Total PCP Recovered

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

Total PCP Recovered			
Year	PCP in Product Recovered ¹ (lbs)	PCP in Water ² (lbs)	Total PCP Recovered (lbs)
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 st year with new wells	12,645	2,550	15,195
2000	10,635	2,212	12,847
2001	4,716	2,146	6,862 ³
2002	1,108	1,766	2,874
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
Total Project to Date	48,520	32,126	80,646

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

² 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.

³ The Total PCP recovered for 2001 was corrected from previous reports.

Groundwater Quality

The historic analytical results for each monitoring well location are provided in Appendix B; the analytical results for the 2020 sampling rounds are summarized in Tables 5a, 5b, and 5c. 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 were sampled during both sampling events in 2020.

PCP was detected in a sample from well W71 in July 2019, at an estimated concentration of 2.1 ug/L. This is a background well and has been below the reporting limits (<3.0 ug/L) since sampling started in 2015. In 2020, PCP was not detected in both January and July samples, therefore the 2019 sample is assumed to be a laboratory error (i.e., a false positive).

Following is a summary of changes or trends by compound compared to the 2019 Annual Groundwater Monitoring Report:

PCP

Areal Extent – The extent of PCP, shown on Drawing 7, is very similar to prior maps. The only distinction in the distribution of PCP from prior years is the extent of the southern lobe of PCP. For example, 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 plume continues to shrink from prior years and extends only a short distance downgradient, dropping from 5,600 ug/L at W27 to 90 ug/L at W11 and <3 ug/L at W21.

The PCP concentration at well W29R (1,600 ug/L) is shown on Drawing 7 to extend to the upgradient residual phase LNAPL shown to be present north of well W26R.

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, if exceptions, typically associated with wells located within/near the residual phase LNAPL based on localized variations in groundwater flow direction. These declines are shown in the time-concentration graphs in Appendix C. In particular:

- Well W10A is continuing its nearly straight-line decline from 8,800 ug/L in July 2008 to 320 ug/L in July 2020.
- Well W17 is continuing its decline from 940 ug/L in 2007 to 17 ug/L in July 2020.
- Wells W41 and W27, at the upgradient and downgradient edge of the southeast residual phase LNAPL, have dropped more than 50% recently (W41 from 2,600 ug/L in January 2019 to 670 ug/L in July 2019 to 940 in July 2020. Well W27 dropped from 5,600 ug/L in July 2020 to 2,400 ug/L in October 2020.
- Well DFOMW11 continues its decline in PCP concentration, from 5,800 ug/L in 2014 to 580 ug/L in July 2020.

The PCP declines in W10A and W17 are continuations of long-term declines and do not appear to be related to changes in groundwater flow due to the WWTP dewatering. The drop at DFOMW11 is variable, but is continuing a downward trend.

A decline in PCP concentration at well W41 occurred between Jan. 2019 and July 2019, prior to the startup of the WWTP dewatering operations. So, this decline is 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 three profiles, shown on the map in Figure E-1, to illustrate the concentration decline down the groundwater gradient southeast, east and northeast of Wauleco. These concentration-distance graphs for July 2020, 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 profile east of Wauleco, shown on Figures E-3 and E-4, extend across multiple areas of the PCP plume and are, therefore, somewhat complicated. Details on these graphs, as presented in prior reports 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 between wells W41 and W27, in the vicinity where there is residual phase product present. However, downgradient of well W27 the PCP concentration degrades rapidly to or near non-detect at well W21.
- Figures E-3 and E-4 show the concentration distance profile east of Wauleco, through wells W22 to W21. 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 product 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 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. However, the concentration at DFOMW12 has declined to 520 ug/L in 2020 (see time-concentration graph in Appendix C). If this reduction continues, it will clearly demonstrate that the biodegradation of PCP within the source area of this lobe is significantly reducing source concentration for this lobe of the PCP plume.

3M Wells – The following discussion of PCP around the 3M wells is consistent with the 2019 report, with the substantive updates that PCP at wells DFOMW12 and W02 continue to decline. 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 W2 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 W2 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 W9 and W18.
- The redox conditions in this area of the PCP plume appears 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 W9. 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 product and PCP concentrations over 10,000 ug/L prior to 2003 to 360 ug/L in 2020). 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 2020) continues to be low or non-detect downgradient of significant PCP concentrations. This pattern at W18, and adjacent wells W09 (<3 ug/L in 2020) and W28 (<3 ug/L in 2020), demonstrates the effectiveness of natural attenuation in this area.

Wells W26 and W29

The PCP concentrations for wells W26 and W29 are shown in the following table from 2009 to 2020. These two wells are located near the residual phase LNAPL footprint (see outline of the residual phase LNAPL on Figure 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.

Date Sampled	W26 (µg/L)	W29 (µg/L)
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

With these wells proximity 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 W2, W3A, W6R, and W40 – Concentrations from the wells that had product removed in 2009 (W2, W3A, W6R, and W40) ranged from 260 ug/L at W2 to 2,000 ug/L at W40R. Results since 2010 are summarized as follows:

Date	W2	W3A	W6R	W40
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
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

Monitoring wells W2, W3A, W6R, and W40/W40R are within the residual phase product footprint. While wells W2, W3A, and W6R have not shown mobile phase LNAPL over the last several years (i.e., the most recent being May 2010 at W6R), wells W40 and W40R have occasionally shown from sheen to measurable amounts of mobile phase LNAPL. While samples are not collected through measurable mobile phase LNAPL, the presence of mobile phase LNAPL in the area probably has an effect on PCP concentrations in the groundwater samples at wells W40 and W40R. Therefore, these fluctuations are to be expected following removal of mobile phase product in an area.

Well W36 – PCP concentrations at well W36, located within the central part of the site, have gone from having mobile product 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** – The areal extent of naphthalene concentrations has shrunk from the 2019 extent in that the 100 ug/L contour (the NR 140 ES) around W40R has been eliminated with the drop in concentration from 150 ug/L in 2019 to 53 µg/L in 2020, and the extent of naphthalene on the west side of the property has shrunk with the concentration at W6R dropping from 17 µg/L in 2019 to non-detect in 2020 (see Drawing 8).
- **TPH** – The areal extent of the total petroleum hydrocarbon (TPH) concentrations in 2020 (see Drawing 9) has a similar distribution as in 2019, although consistent with the increase in PCP concentration at well W29R the TPH concentration also increased, extending the areal extent of the <0.04 mg/L TPH contour to the southeast.
- **1,2,4-Trimethylbenzene** – Like Naphthalene and TPH, the areal extent for 1,2,4-Trimethylbenzene has a similar distribution compared to 2019. Wells with lower concentrations are W6R (370 ug/L in 2019 versus 4.9 ug/L in 2020) and W40R (1200 ug/L in 2019 versus 460 ug/L in 2020). The concentration at W27 has increased in 2020 (480 ug/L) versus 2019 (150 ug/L), but the ES has a smaller areal extent than in 2019 (see Drawing 10).
- **Total Xylenes** –The extent of total xylenes across the site are now less than the NR 140 PAL (400 µg/L) across the entire area. The most notable decline in concentration is at well W40R from 301 µg/L in 2019 to 88 ug/L in 2020 (see Drawing 11). Total xylenes have been below the NR-140 PAL in 2019 and 2020.

SUMMARY AND CONCLUSIONS

Groundwater sampling around the Wauleco site has generally documented decreased contaminant concentrations in 2020 as compared to 2019 (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 a stable to declining concentration within the groundwater. This stable to declining trend is being maintained with the lower groundwater extraction rate since 2011.

The declining trend 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 (Figure 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 W2) are declining.

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

Product

Apparent product observed during 2020 on the site is limited to intermittent presence of LNAPL in four monitoring wells and one extraction well. The apparent product is thin, and isolated to very small areas.

Groundwater Containment

Containment of groundwater on the Wauleco site in 2020 is evident as shown in Drawings 3 and 4 for pumping at approximately 22 gpm, extending at least 100 ft. beyond the downgradient property line.

Groundwater Quality

The distance concentration graphs for the north and south 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 or nearly achieving non-detectable concentrations downgradient.

Wells W26R and W29R continue to fluctuate, probably due to variations in groundwater flow directions resulting in variable distances to the residual phase LNAPL. A north to south component of groundwater flow shortens the distance (and time) for biodegradation so that PCP concentrations increase. However, if a west to east flow direction predominates there is a longer distance with more time for biodegradation to occur so that PCP concentrations would decrease.

The areal distribution of naphthalene, TPH, and 1,2,4 trimethylbenzene have a similar areal extent, however, the concentrations within the plumes are lower, compared to 2019. Total xylenes have also decreased, so that the concentrations are less than the NR140 PAL in both 2019 and 2020.

RECOMMENDATIONS

TRC recommends the following:

- Continue operation of the groundwater remediation system without product recovery.
- Continue to implement the current pumping approach.
- Continue to perform semi-annual groundwater monitoring during 2021.
- Continue the quarterly water level monitoring with preparation of a water table map for the January and July monitoring events.
- Continue to perform additional water level monitoring and groundwater sample analysis at select wells to assess the effects of the City's dewatering associated with the WWTP construction.
- Continue the use of absorbent socks in groundwater monitoring wells W04A, W07, W35, and W40R (if needed), and extraction wells, if present.

TABLE 1

**2020 GROUNDWATER MONITORING PROGRAM
WAULECO, INC.
WAUSAU, WISCONSIN**

Well Location	Semi-Annual - January	Annual - July	Fall - October
W1A		S	
W2		S	
W3A	W + M	S + M	
W3B		S	
W6R	W + M	S + M	
W8	W + M	S + M	
W9		S	
W10A	M	S + M	
W10B		S	
W11	M	S + M	P
W12	M	S + M	P
W13	W + M	S + M	
W14		P	P
W16	M	S + M	P
W17	W + M	S + M	
W18	M	S + M	
W19	Abandoned	Abandoned	Abandoned
W21		S	P
W22	W + M	S + M	P
W25	W	S	
W26R	W + M	S + M	P
W27	M	S + M	P
W28	M	S + M	
W29R	M	S + M	P
W32		S	P
W33	W + M	S + M	
W36		S	
W39	Abandoned	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, 11/3/20

Checked : A. Voit, 11/23/20

TABLE 2
SUMMARY OF 2020 GROUNDWATER SAMPLING LOCATIONS
WAULECO, INC.
WAUSAU, WISCONSIN

Well Location	January 2020	July 2020	October 2020
W1A		X	
W2		X	
W3A	X	X	
W3B		X	
W6R	X	X	
W8	X	X	
W9		X	
W10A	X	X	
W10B		X	
W11	X	X	X
W12	X	X	X
W13	X	X	
W14		X	X
W16	X	X	X
W17	X	X	
W18	X	X	
W19	Abandoned	Abandoned	Abandoned
W21		X	X
W22	X	X	X
W25	X	X	
W26R	X	X	X
W27	X	X	X
W28	X	X	
W29R	X	X	X
W32		X	X
W33	X	X	
W36		X	
W39	Abandoned	Abandoned	Abandoned
W40R	X	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 2020 (Winter Sampling Round) samples collected on January 7, 9, 10, 13, 14, 22 and 23, 2020.

July 2020 (Summer Sampling Round) samples collected on July 6, 7, 8, 13, 14, and 16, 2020.

October 2020 (Fall Sampling Round) samples collected on October 5, 2020.

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, 11/3/20

Checked : A. Voit, 11/23/20

TABLE 3
2020 Groundwater Elevation Data
Wauleco, Inc.
Wausau, Wisconsin

Well No.	Current	January 3, 2020		April 23, 2020		July 2, 2020		October 14, 2020	
	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 ³	0.00	1163.87	0.00	1164.54	0.00	1165.17	0.00	1163.62
PW02	1197.16	-----	Abandoned	-----	Abandoned	-----	Abandoned	-----	Abandoned
PW03	1190.49	0.00	1163.74	0.00	1164.15	0.00	1164.91	0.00	1163.52
PW3S	1189.55	0.00	1162.87	0.00	1163.86	0.00	1164.64	0.00	1162.46
PW04	1190.52	0.00	1162.73	0.00	1163.72	0.00	1164.38	0.00	1162.27
PW05	1188.48	0.00	1162.79	0.00	1163.75	0.00	1164.38	0.00	1162.29
PW06	1191.97	0.00	1163.16	0.00	1164.00	0.00	1164.43	0.00	1162.66
PW07	1189.82	0.00	1162.91	0.00	1163.81	0.00	1164.32	0.00	1162.43
PW08	1191.84	0.00	1164.07	0.00	1164.57	0.00	1165.30	0.00	1163.92
PW9I	1188.58	-----	-----	-----	-----	-----	-----	-----	-----
PW9O	1189.98	0.00	1162.79	0.00	1163.83	0.00	1164.49	0.00	1162.28
PW10	1191.62	0.00	1162.94	0.00	1163.93	0.00	1164.69	0.00	1162.57
PW11	1188.69	0.00	1161.69	0.00	1162.58	0.00	1163.51	0.00	1160.76
PW12	1192.12	0.00	1164.12	0.00	1164.51	0.00	1165.01	0.00	1163.85
PW13	1192.2	0.00	1162.80	0.00	1163.85	0.00	1164.58	0.00	1162.36
PW14	1188.83	0.00	1162.37	0.00	1163.21	0.00	1164.36	0.00	1161.48
PW15	1189.34	0.00	1162.42	0.00	1163.34	0.00	1164.48	0.00	1161.60
PW16	1191.91	0.00	1161.63	0.00	1162.94	0.02	1163.53	0.00	1161.39
PW17	1191.9	0.00	1160.92	0.00	1159.37	0.00	1164.12	0.00	1159.23
PW18	1190.19	0.00	1162.74	0.00	1163.80	0.00	1164.59	0.00	1162.30
PW19	1190.66	0.00	1161.61	0.00	1162.60	0.00	1162.86	0.00	1161.49
PW20	1191.34	0.00	1161.59	0.00	1163.09	0.00	1163.65	0.00	1160.66
PW21	1190.33	0.00	1161.89	0.00	1162.81	0.00	1163.55	0.00	1161.06
PW22	1192.32	0.00	1162.82	0.00	1163.76	0.00	1164.33	0.00	1162.34
PW23	1189.49	0.00	1162.73	0.00	1163.69	0.00	1164.28	0.00	1162.23
PW24	1188.28	0.00	1161.39	0.00	1162.58	0.00	1163.06	0.00	1160.68
PW25	1189.51	0.00	1158.76	0.00	1161.68	0.00	1162.83	0.00	1159.96
PW26	1188.79	0.00	1161.06	0.00	1161.80	0.00	1162.94	0.00	1159.31
PW27	1188.47	0.00	1158.60	0.00	1161.57	0.00	1162.09	0.00	1157.50
PW28	1193.6	0.00	1163.93	0.00	1164.23	0.00	1164.82	0.00	1163.65
PW29	1193.65	0.00	1163.99	0.00	1164.33	0.00	1164.94	0.00	1163.76
P01	1191.48	0.00	1162.73	0.00	1163.71	0.00	1164.39	0.00	1162.25
OW01	1194.62 ³	0.00	1165.17	0.00	1165.72	0.00	1166.21	0.00	1164.92
W01A	1194.08	0.00	1164.32	0.00	1164.81	0.00	1165.38	0.00	1164.10
W01B	1194.92	0.00	1164.37	0.00	1164.86	0.00	1165.39	0.00	1164.15
W02	1193.71	0.00	1163.67	0.00	1163.92	0.00	1164.58	0.00	1163.37
W03A	1187.76	0.00	1162.15	0.00	1162.91	0.00	1163.77	0.00	1161.18
W03B	1187.77	0.00	1162.58	0.00	1162.74	0.00	1163.01	0.00	1161.55

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	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	1163.25	0.00	1164.09	0.01	1164.50	0.00	1162.75
W04B	1192.26	0.00	1163.16	0.00	1164.02	0.00	1164.48	0.00	1162.67
W05	1190.63	0.00	1162.77	0.00	1163.76	0.00	1164.41	0.00	1162.34
W06R	1194.06	0.00	1164.24	0.00	1164.73	0.00	1165.28	0.00	1164.05
W07	1192.37 ³	0.00	1163.93	0.00	1164.58	0.03	1165.21	0.06	1163.70
W08	1206.73	0.00	1172.64	0.00	1175.16	0.00	1174.99	0.00	1172.90
W09	1172.80	0.00	1163.31	0.00	1162.99	0.00	1163.15	0.00	1162.62
W10A	1182.59	0.00	1161.88	0.00	1161.71	0.00	1161.57	0.00	1161.01
W10B	1182.44	0.00	1161.88	0.00	1161.66	0.00	1161.58	0.00	1160.80
W11	1175.25	0.00	1161.55	0.00	1161.51	0.00	1161.49	0.00	1159.93
W12	1173.95	0.00	1161.07	0.00	1161.00	0.00	1160.97	0.00	1159.56
W13	1188.73	0.00	1162.74	0.00	1162.39	0.00	1162.62	0.00	1162.00
W14	1172.41	0.00	1161.36	0.00	1161.26	0.00	1161.23	0.00	1159.49
W16	1180.60	0.00	1162.49	0.00	1163.07	0.00	1163.27	0.00	1161.38
W17	1187.4	0.00	1162.42	0.00	1163.07	0.00	1164.04	0.00	1161.44
W18	1172.92	0.00	1162.21	0.00	1161.55	0.00	1161.37	0.00	1161.24
W19	1194.26	----	Abandoned	----	Abandoned	----	Abandoned	----	Abandoned
W21	1170.14	0.00	1161.59	0.00	1161.25	0.00	1161.07	0.00	1159.61
W22	1186.01	0.00	1162.12	0.00	1162.85	0.00	1163.49	0.00	1161.07
W23	1171.55	0.00	1161.42	0.00	1161.37	0.00	1161.36	0.00	1159.63
W24A	1171.77	0.00	1161.41	0.00	1161.34	0.00	1161.30	0.00	1159.57
W25	1194.48	0.00	1164.30	0.00	1164.86	0.00	1165.41	0.00	1164.08
W26/W26R	1176.90	0.00	1161.76	0.00	1161.59	0.00	1161.59	0.00	1160.62
W27	1180.19	0.00	1162.08	0.00	1162.60	0.00	1162.72	0.00	1160.94
W28	1174.36	0.00	1162.36	0.00	1161.55	0.00	1161.28	0.00	1161.27
W29/W29R	1172.60	0.00	1161.82	0.00	1161.38	0.00	1161.26	0.00	1160.42
W30	1189.97	0.00	1162.71	0.00	1163.70	0.00	1164.37	0.00	1162.24
W31	1169.67	0.00	1161.77	0.00	1161.25	0.00	1160.99	0.00	1160.70
W32	1169.43	0.00	1161.79	0.00	1161.26	0.00	1161.01	0.00	1160.74
W33	1188.51	0.00	1162.96	0.00	1163.84	0.00	1164.35	0.00	1162.45
W34	1191.16	0.00	1162.89	0.00	1163.80	0.00	1164.28	0.00	1162.39
W35	1191.93	0.00	1162.93	0.00	1163.89	0.03	1164.53	0.13	1162.56
W36	1192.34	0.00	1163.52	0.00	1164.21	0.00	1164.89	0.00	1163.21
W39	1187.78	----	Abandoned	----	Abandoned	----	Abandoned	----	Abandoned
W40/W40R	1180.69	0.00	1161.98	0.00	1162.71	0.00	1163.17	0.05	1161.01
W41	1185.04	0.00	1162.84	0.00	1163.59	0.00	1163.89	0.00	1162.11
W42	1194.61	0.00	1163.56	0.00	1164.37	0.00	1164.88	0.00	1163.19
W44	1190.82	0.00	1162.73	0.00	1163.70	0.00	1164.29	0.00	1162.26

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W45	1190.69	0.00	1162.98	0.00	1163.91	0.00	1164.57	0.00	1162.35
W46	1191.49	0.00	1162.57	0.00	1163.58	0.00	1164.29	0.00	1162.12
W47	1189.37	0.00	1161.71	0.00	1162.62	0.00	1163.53	0.00	1160.83
W48	1189.7	0.00	1161.97	0.00	1163.01	0.00	1164.00	0.00	1161.19
W49	1189.2	0.00	1162.41	0.00	1163.37	0.00	1164.52	0.00	1161.84
W66	1192.41	0.00	1164.15	0.00	1164.57	0.00	1165.06	0.00	1163.89
W67	1191.85	0.00	1164.13	0.00	1164.53	0.00	1165.02	0.00	1163.86
W68A	1190.94	0.00	1164.12	0.00	1164.54	0.00	1165.15	0.00	1163.92
W68B	1191.42	0.00	1164.09	0.00	1164.46	0.00	1164.93	0.00	1163.81
W69	1192.23	0.00	1163.19	0.00	1164.30	0.00	1164.90	0.00	1162.64
W70B	1200.29	-----	Abandoned	-----	Abandoned	-----	Abandoned	-----	Abandoned
River	1164.19	-----	-----	-----	-----	-----	-----	-----	-----
IW01	1190.8	0.00	1162.75	0.00	1163.78	0.00	1164.47	0.00	1162.3
IW01A	1190.74	0.00	1162.76	0.00	1163.74	0.00	1164.41	0.00	1162.32
FP01	1188.04	0.00	1161.18	0.00	1162.26	0.00	1163.20	0.00	1160.07
FP02	1187.6	0.00	1161.36	0.00	1162.21	0.00	1163.21	0.00	1160.34
FP03	1186.66	0.00	1160.34	0.00	1160.34	0.00	1162.42	0.00	1159.19
FP04	1188.29	0.00	1161.03	0.00	1162.35	0.00	1163.37	0.00	1160.31
3M Basin		0.00	Water/Ice in both Basins	0.00	Water in both Basins	0.00	Water in both Basins	-----	Water in both Basins
DFOWM 5	1188.3	0.00	1163.81	-----	-----	0.00	1164.35	-----	-----
DFOWM 9	1187.56	-----	Abandoned	-----	Abandoned	-----	Abandoned	-----	Abandoned
DFOWM 10A	1187.7	-----	Abandoned	-----	Abandoned	-----	Abandoned	-----	Abandoned
DFOWM 11	1188.8	0.00	1162.86	-----	-----	0.00	1162.51	-----	-----
DFOWM 12	1187.78	0.00	1163.52	-----	-----	0.00	1164.24	-----	-----
W71	1191.95	0.00	1166.17	0.00	1166.33	0.00	1166.88	0.00	1166.10
W72	1190.97	0.00	1164.60	0.00	1165.16	0.00	1165.70	0.00	1164.43
W73	1192.20	0.00	1163.45	0.00	1164.23	0.00	1164.57	0.00	1163.01
W74	1183.13	0.00	1162.97	0.00	1163.71	0.00	1163.91	0.00	1162.27

Notes:

1. ft msl = feet mean sea level
2. PW90 denotes the outer well and PW9I denotes the inner well
3. Re-surveyed after Soil Mound removal in 2015

Updated : T. Dushek, 10/15/20

Checked : K. Quinn, 3/2/21

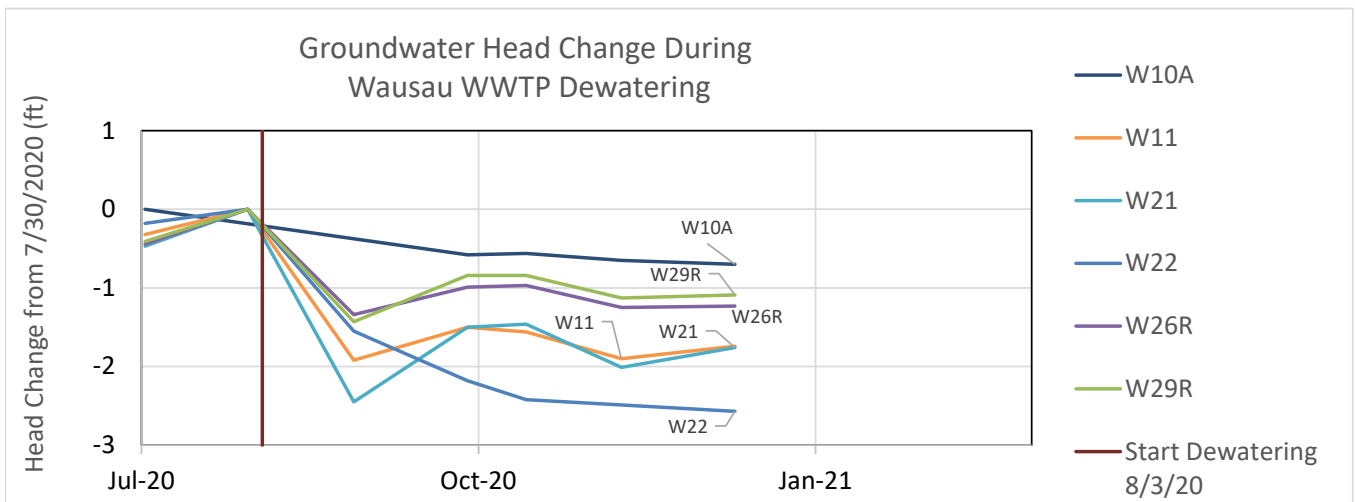
TABLE 4

**Groundwater Measurements During Wausau WWTP Dewatering
Wauleco, Inc.
Wausau, Wisconsin**

Well	Groundwater Elevation									
	7/2/2020	7/30/2020	8/28/2020	9/28/2020	10/14/2020	11/9/2020	12/10/2020			
W10A	1161.57	-	-	1160.99	1161.01	1160.92	1160.87			
W11	1161.49	1161.81	1159.89	1159.99	1159.93	1159.59	1159.75			
W12	1160.97	1161.20	1159.52	1159.61	1159.56	1159.21	1159.41			
W14	1161.23	1161.42	1159.38	1159.55	1159.49	1159.04	1159.32			
W16	1163.27	1163.30	1161.99	1161.57	1161.38	1161.18	1161.23			
W21	1161.07	1161.54	1159.09	1159.57	1159.61	1159.06	1159.31			
W22	1163.49	1163.67	1162.12	1161.31	1161.07	1161.00	1160.92			
W26R	1161.59	1162.03	1160.69	1160.60	1160.62	1160.34	1160.36			
W27	1162.72	1162.9	1161.53	1161.16	1160.94	1160.7	1160.76			
W29R	1161.26	1161.67	1160.24	1160.42	1160.42	1160.13	1160.17			
W32	1161.01	1161.46	1160.16	1160.66	1160.74	1160.39	1160.33			

Well	Head Changes from July 30, 2020 Groundwater Elevations									
	7/2/2020	7/30/2020	8/28/2020	9/28/2020	10/14/2020	11/9/2020	12/10/2020			
W10A	0			-0.58	-0.56	-0.65	-0.7			
W11	-0.32	0	-1.92	-1.5	-1.56	-1.9	-1.74			
W12	-0.23	0	-1.68	-1.36	-1.41	-1.76	-1.56			
W14	-0.19	0	-2.04	-1.68	-1.74	-2.19	-1.91			
W16	-0.03	0	-1.31	-1.7	-1.89	-2.09	-2.04			
W21	-0.47	0	-2.45	-1.5	-1.46	-2.01	-1.76			
W22	-0.18	0	-1.55	-2.18	-2.42	-2.49	-2.57			
W26R	-0.44	0	-1.34	-0.99	-0.97	-1.25	-1.23			
W27	-0.18	0	-1.37	-1.56	-1.78	-2.02	-1.96			
W29R	-0.41	0	-1.43	-0.84	-0.84	-1.13	-1.09			
W32	-0.45	0	-1.3	-0.35	-0.27	-0.62	-0.68			

Note: Well W10A head change is from July 2, 2020 measurement, all others from July 30, 2020 measurement.



Prepared by: T. Dushek 1/27/2021

Checked by: K. Quinn 3/5/2021

TABLE 5a

2020 Winter Groundwater Monitoring Analytical Results
 January 7, 9, 10, 13, 14, 22, 23, 2020
 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
Indicators																	
Total sulfate (mg/L)	250	125	1.4	16	15	5.2	4.6	10	18	9.1	21	3.4	16	13		11	6.6
Nitrate nitrogen (mg/L)	10	2	<0.12	0.22	4.3					0.83		<0.12		0.82	3.3	0.64	
Total organic carbon (mg/L)	None	None	5.3	8.6	2.8	4.5	3.3	1.2	3	2.5	3.4	2.7	3.1	4.9		4.9	9.8
Dissolved iron	300	150	1,630	<59	<59	2,060	1,940	88.3	141	<59	<59	98.7	<59	<59		<59	4,210
Dissolved manganese	50	25	915	1,010	<2.2	3,850	3,690	1,400	41.3	5.2	4.9	258	<2.2	1,140		640	14,800
TPH as mineral spirits (ug/L)	None	None	31,000	2,900	80 B	1,000	1,000 B	<33	60 B	<32	52 B	<33	49 B	490		340 B	2,900
Phenols																	
2,3,4,6-Tetrachlorophenol	None	None	24 Q	210 Q	<3.0					<3.0		3.1 Q		42	0.25	190 Q	
2,4,5-Trichlorophenol	None	None	<3.0	<3.0	<3.0					<3.0		<3.0		1.4	<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	<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	
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	410	3,200	<3.0					<3.0		61		680.0	5.4	2,600	
Phenol	6000	1200	<3.0	<3.0	<3.0					<3.0		<3.0		<3.0	<3.0	<3.0	
Total Phenols			434	3,410	0	0	0	0	0	0	0	64	0	723.4	5.65	2,790	-

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 3/16/20
 Checked by: A. Voit 11/23/20

TABLE 5a

2020 Winter Groundwater Monitoring Analytical Results
January 7, 9, 10, 13, 14, 22, 23, 2020
Wauleco, Inc. - Wausau Facility
Wausau, Wisconsin

Sample ID	ES	PAL	W28	W29R	W33	W40R	W41	W41 Duplicate	DFOMW5	DFOMW11	DFOMW12	DFOMW12 Duplicate	FP2	PW17	W71	W72	W73	W74	Equipment Blank
Indicators																			
Total sulfate (mg/L)	250	125	17	18	10	9.5	1.7	1.5					1.7	11			21		<0.80
Nitrate nitrogen (mg/L)	10	2			1.9	<0.12	<0.12	<0.12											<0.12
Total organic carbon (mg/L)	None	None	1	8.1	6.9	16	31	34					6.6	5.3			1.9		<0.40
Dissolved iron (mg/L)	300	150	<59	<59	510	1,220	15,300	M 15,300					14,400	M 3150			<59		<59
Dissolved manganese (mg/L)	50	25	<2.2	219	1,480	5,220	18,700	M 19,300					7,310	M 2,350			2.8		<2.2
TPH as mineral spirits (ug/L)	None	None	<32	140 B	2,400	36,000	2,300	1,500					3,500	<32			<32		38 B
Phenols																			
2,3,4,6-Tetrachlorophenol	None	None			720 Q	390	39	52									<3.0		<3.0
2,4,5-Trichlorophenol	None	None			<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
2,4-Dichlorophenol	None	None			<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
2,4-Dinitrophenol	None	None			<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
2-Chlorophenol	None	None			<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
2-Nitrophenol	None	None			<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
4,6-Dinitro-2-methylphenol	None	None			<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
4-Nitrophenol	None	None			<3.0	<3.0	<3.0	<3.0									<3.0		<3.0
Pentachlorophenol	1	0.1			5,600	4,400	950	1,100	<3.0	410	1,500	1,400			<3.0	<3.0	<3.0	<3.0	<3.0
Phenol	6000	1200			<3.0	<3.0	<3.0	<3.0									<3.0		<3.0
Total Phenols			-	-	6,320	4,790	989	1,152	0	410	1,500	1,400	-	-	0	0	0	0	0

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 3/16/20
 Checked by: A. Voit 11/23/20

TABLE 5b

2020 Summer Groundwater Monitoring Analytical Results
 July 6-8, 13, 14, 16, 2020
 Wauleco, Inc. - Wausau Facility
 Wausau, Wisconsin

Sample ID	ES	PAL	W01A	W02	W02 Duplicate	W03A	W03B	W06R	W08	W09	W10A	W10A Duplicate	W10B	W11	W12	W13	W14	W16	W17	W18	W21	W22
Indicators																						
Total sulfate (mg/L)	250	125				2.1		35	18		4.1	5.3		14	17	23		17	3.7	6.8		14
Nitrate nitrogen (mg/L)	10	2	3.7	1.4	1.4	0.33	3	3	3.7	0.62	0.25	<0.12	0.63	1.2	5.7	1.1		4.7	0.36	1.10	2	1.9
Total organic carbon (mg/L)	None	None				6.5		4.9	1.5		6.3	5.6		1.5	2.00	1.5		1.3	2	0.85		5.6
Dissolved iron	300	150				4,590		<59	<59		1,860	1,900		<59	455	<59		<59	<59	<59		<59
Dissolved manganese	50	25				3,900		53.7	<2.2		4,190 M	4,240		372	82.1	<2.2		<2.2	648 M	<2.2		610
Dissolved mercury	2	0.2	<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	<0.020	<0.020
TPH as mineral spirits	None	None	41	640	1,100	27,000	<34	110	<37 Q	<34	1,900	1,900	<34	<34	<34 Q	<34		<34 Q	360	<34	<34 Q	600
Phenols																						
2,3,4,6-Tetrachlorophenol	None	None	<3.0	<3.0	<3.0	47	<3.0	<3.0	<3.0	<3.0	40	42	<3.0	5.1	<3.0	<3.0		<3.0	<3.0	<3.0	<3.0	<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	<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
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
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
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
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	<4.0	<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
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
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- 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
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
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
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
Pentachlorophenol	1	0.1	5.6	360	330	900	16	330	<3.0	<3.0	320	310	5.2	90	<3.0	<3.0	<3.0	<3.0	17	<3.0	<3.0	960
Phenol	2000	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
Total Phenols			5.6	360	330	947	16	330	0	0	360	352	5.2	95.1	0	0	0	0	17	0	0	960
Volatile Organics																						
1,2,4-Trimethylbenzene	480 A	96 A	0.66	210	220	500	<0.40	4.9	<0.40	<0.40	630	630	4.7	<0.40	<0.40	<0.40		<0.40	32	<0.40	<0.40	150
Naphthalene	100	10	<0.90	10	<9	43	<0.90	<0.90	<0.90	<0.90	<18	<18	<0.90	<0.90	<0.90	<0.90		<0.90	1.9	<0.90	<0.90	<0.90
m & p-Xylene	2000C	400C	<0.80	<8	<8	27	<0.80	<0.80	<0.80	<0.80	<16	<16	<0.80	<0.80	<0.80	<0.80		<0.80	<0.80	<0.80	<0.80	8.2
o-Xylene	2000C	400C	<0.40	13	10	84	<0.40	2	<0.40	<0.40	68	68	<0.40	<0.40	<0.40	<0.40		<0.40	4.7	<0.40	<0.40	23
Total VOCs			0.66	233	230	654	0	6.9	0	0	698	698	4.7	0	0	0		0	38.6	0	0	181

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 8/25/20
 Checked by: A. Voit 11/23/20; K. Quinn 4/8/21

TABLE 5b

2020 Summer Groundwater Monitoring Analytical Results
 July 6-8, 13, 14, 16, 2020
 Wauleco, Inc. - Wausau Facility
 Wausau, Wisconsin

Sample ID	ES	PAL	W25	W26R	W27	W28	W29R	W32	W33	W36	W40R	W40R Duplicate	W41	FP02	PW17	Field Blank 01	DFOMW5	DFOMW11	DFOMW12	DFOMW12 Duplicate	W71	W72	W73	W74	
Indicators																									
Total sulfate (mg/L)	250	125		8.8	8.6	14	22		9.8		8.8	8.6	1.6	2.4	17	<0.80								19	
Nitrate nitrogen (mg/L)	10	2	5.9	0.27	0.14	1.3	1.9	0.2	0.3	6.4	<0.12	0.12	0.22			<0.12									
Total organic carbon (mg/L)	None	None		<0.40	6.9	1.4	5.6		2.9		5.5	3.1	9.6	8.8	9	<0.40								2.5	
Dissolved iron	300	150		<59	5,040	<59	<59		257		374	392	13,700	14,700	6,190	<59								<59	
Dissolved manganese	50	25		211	18,700	<2.2	53.9		423 M		4,670 M	4,670	15,100	7,780	4,770	<2.2								17.9	
Dissolved mercury	2	0.2	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.94	<0.020	<0.020	<0.020	<0.020			<0.020								<0.020	
TPH as mineral spirits	None	None	<34	120	2,000	<34	120	<34 Q	440	<34	15,000	19,000	1,100	2,400	2,400	<34	61				<35 Q	<34 Q	<34	<34	
Phenols																									
2,3,4,6-Tetrachlorophenol	None	None	<3.0	43	<3.0	<3.0	240	<3.0	260	<3.0	280	290	<3.0			<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			<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									
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									
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									
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									
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									
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									
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									
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- 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									
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									
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									
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									
Pentachlorophenol	1	0.1	3.5	720	5,600	2	1,600	<3.0	2,400	7	4,300	4,200	940			<3.0	<3.0	580	520	450	<3.0	<3.0	<3.0	<3.0	
Phenol	2000	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									
Total Phenols			3.5	763	5,600	2	1,840	0	2,660	7	4,580	4,490	940			0	0	580	520	450	0	0	0	0	
Volatile Organics																									
1,2,4-Trimethylbenzene	480 A	96 A	<0.40	2.2	500	<0.40	1.1	<0.40	53	<0.40	460	470	290			<0.40	<0.40				<0.40	<0.40	<0.40	<0.40	
Naphthalene	100	10	<0.90	<0.90	<4.5	<0.90	<0.90	<0.90	<0.90	<0.90	<18	53	26			<0.90	1.3				<0.90	<0.90	<0.90	<0.90	
m & p-Xylene	2000C	400C	<0.80	<0.80	24	<0.80	<0.80	<0.80	1.7	<0.80	<16	<16	2.5			<0.80	<0.80				<0.80	<0.80	<0.80	<0.80	
o-Xylene	2000C	400C	<0.40	1.2	39	<0.40	<0.40	<0.40	8.8	<0.40	88	88	31			<0.40	<0.40				<0.40	<0.40	<0.40	<0.40	
Total VOCs			0	3.4	563	0	1.1	0	63.5	0	548	611	349.5			0	1.3				0	0	0	0	

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 8/25/20
 Checked by: A. Voit 11/23/20; K. Quinn 4/8/21

TABLE 5c

**2020 Fall Groundwater Monitoring Analytical Results
October 5, 2020
Wauleco, Inc. - Wausau Facility
Wausau, Wisconsin**

	ES	PAL	W11	W12	W14	W16	W21	W22	W26R	W26R Duplicate	W27	W29R	W32
Phenols													
Pentachlorophenol	1	0.1	84	<3.0	<3.0	<3.0	<3.0	690	490	500	2,400	33	<3.0
Total Phenols			84	0	0	0	0	690	490	500	2,400	33	0

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.

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.

Prepared by: T. Dushek, 11/2/20

Checked by: A. Voit, 11/23/20

TABLE 6

**2020 Groundwater Treatment Removal of Pentachlorophenol (PCP)
Wauleco, Inc.
Wausau, Wisconsin**

Year	Month	Avg Extracted GPM ⁽¹⁾	Total Gallons ⁽¹⁾	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)
2020	January	24.61	1,098,666	4,545	4,765	2,126	2,915	6,089	4,088	1.35
	February	22.19	926,537	8,129	6,330	2,060	2,900		4,855	2.76
	March	22.85	1,020,036	2,375	6,601	4,352	4,230		4,390	1.87
	April	21.15	913,623	2,733	3,714	3,257	2,600	4,261	3,313	1.20
	May	21.87	976,180	2,687	5,068	5,130	7,015		4,975	1.77
	June	20.40	881,488	3,529	4,485	3,690	4,264		3,992	1.43
	July	21.95	979,915	2,976	3,156	5,500	10,433	5,076	5,428	1.48
	August	21.68	967,738	7,293	6,114	3,303	8,792		6,376	1.63
	September	23.20	1,002,344	6,991	5,838	13,542	6,031	6,770	7,834	1.27
	October	22.34	997,438	5,987	7,744	6,869	3,272		5,968	1.03
	November	23.02	994,642	4,432	5,306	5,099	4,712		4,887	2.30
	December	22.81	1,018,113	6,610	5,617	6,700	5,710	6,493	6,226	3.45
Total Discharged to POTW			11,776,720 gallons	Annual Average					5,194	1.80

Total for Year 2020 11,776,720 gallons

Pounds of PCP treated =	511 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:

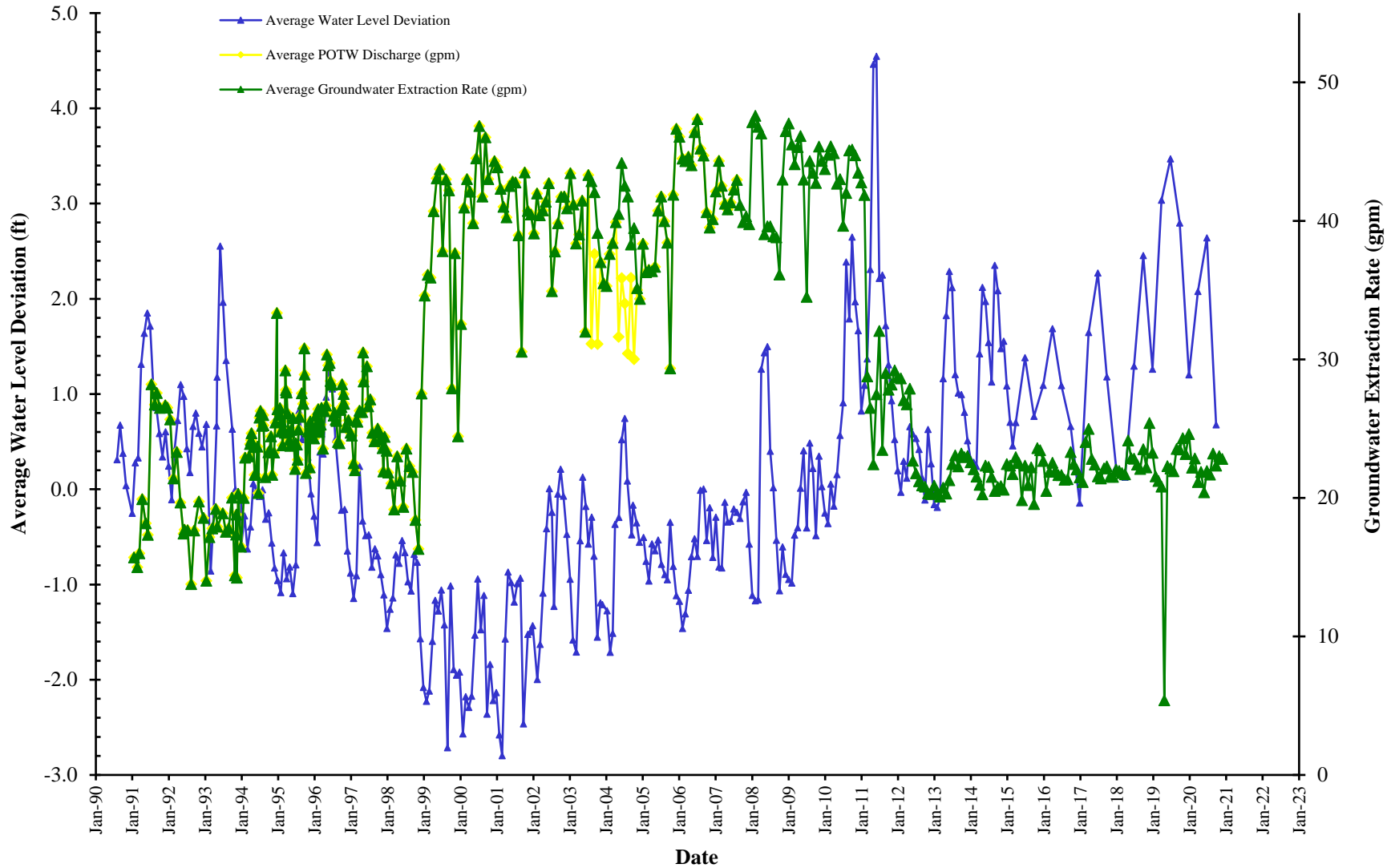
⁽¹⁾ Values from Table 2 of Quarterly Reports.

Prepared by: T. Dushek, 1/4/2021

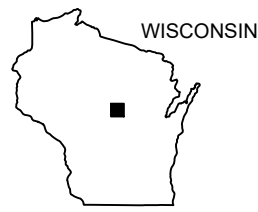
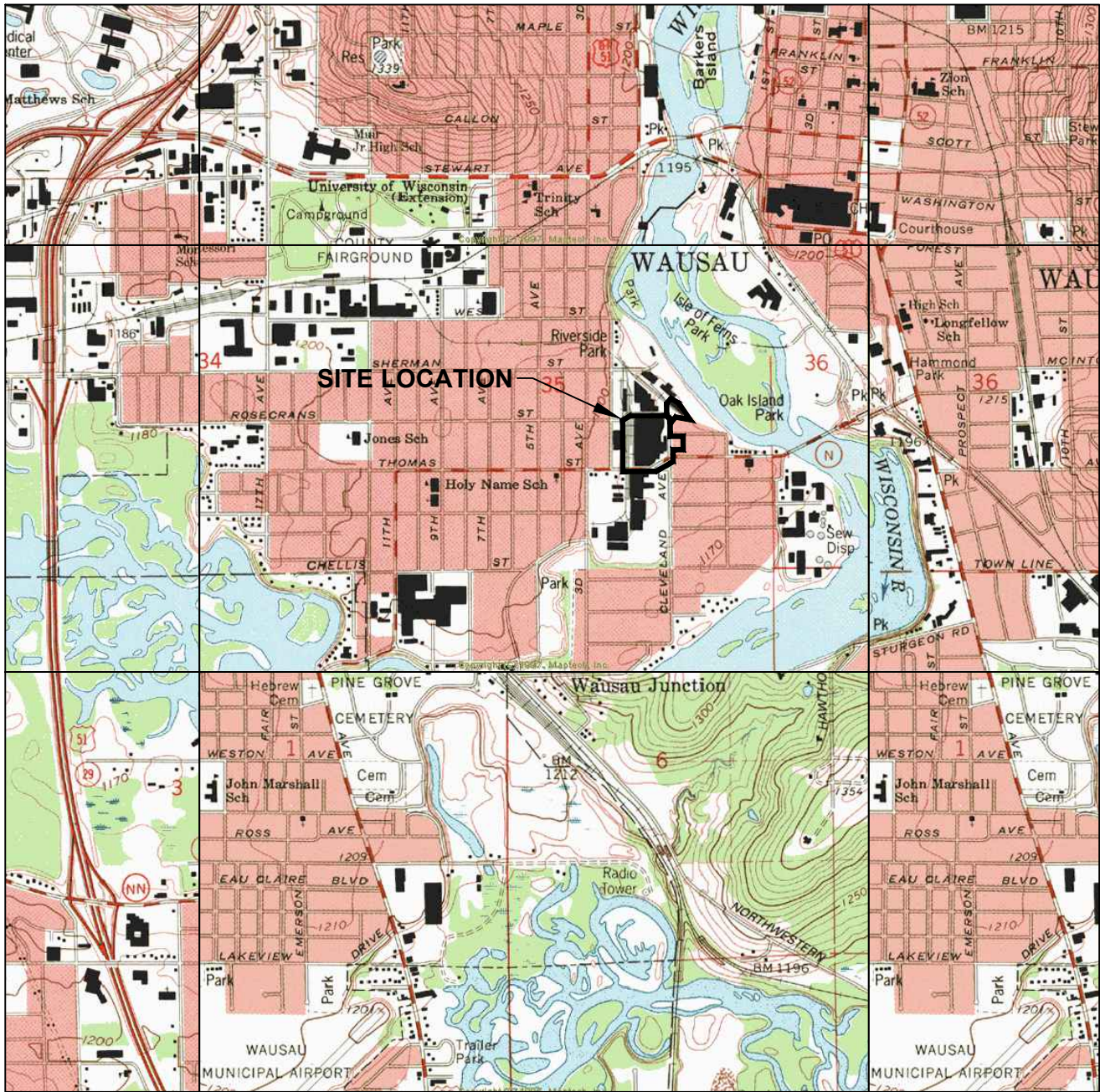
Checked by: K. Quinn 1/6/2021

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.



QUADRANGLE LOCATION

NOTE

BASE MAP DEVELOPED FROM THE WAUSAU WEST AND WAUSAU EAST, WISCONSIN 7.5 MINUTE U.S.G.S. TOPOGRAPHIC QUADRANGLE MAPS, DATED 1993. PART OF SECTION 35, T29N, R8E

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 Version: 2017-10-21

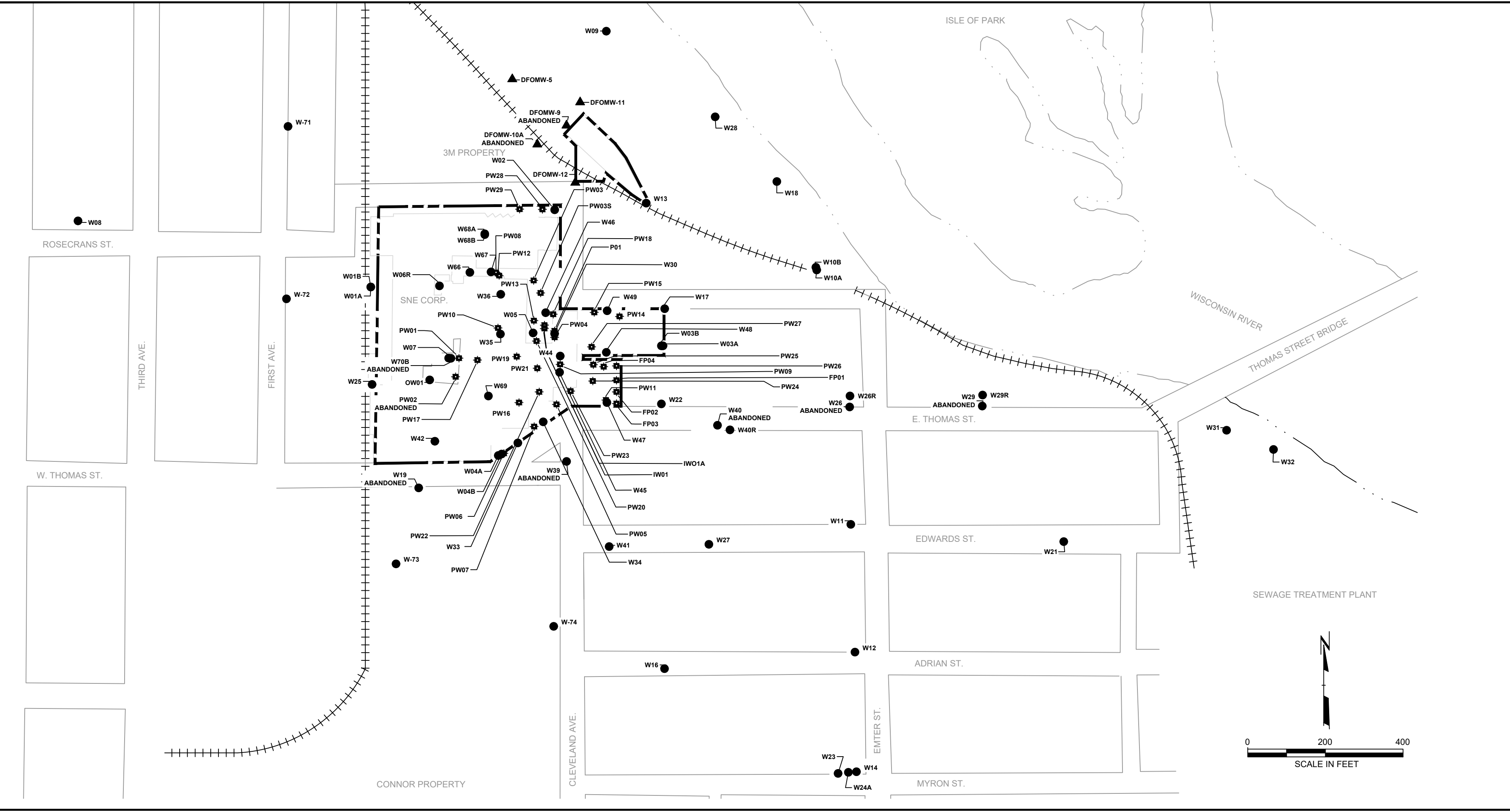


708 Heartland Trail
Suite 3000
Madison, WI 53717
Phone: 608.826.3600

PROJECT:	WAULECO, INC. ANNUAL GROUNDWATER MONITORING REPORT WAUSAU, WISCONSIN
TITLE:	SITE LOCATION MAP

DRAWN BY:	T.FIEBRANZ
CHECKED BY:	K. QUINN
APPROVED BY:	B. IVERSON
DATE:	APRIL 2021
PROJ. NO.:	189597.0010
FILE:	189597.0010.01 SLM.dwg
DRAWING 1	

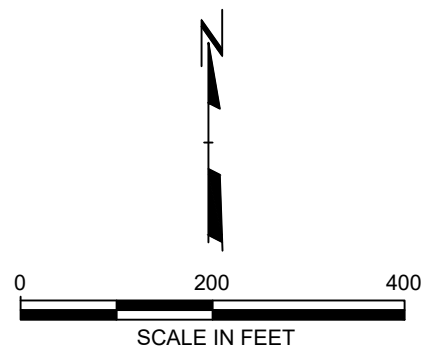
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 Version: 2017-10-21



LEGEND

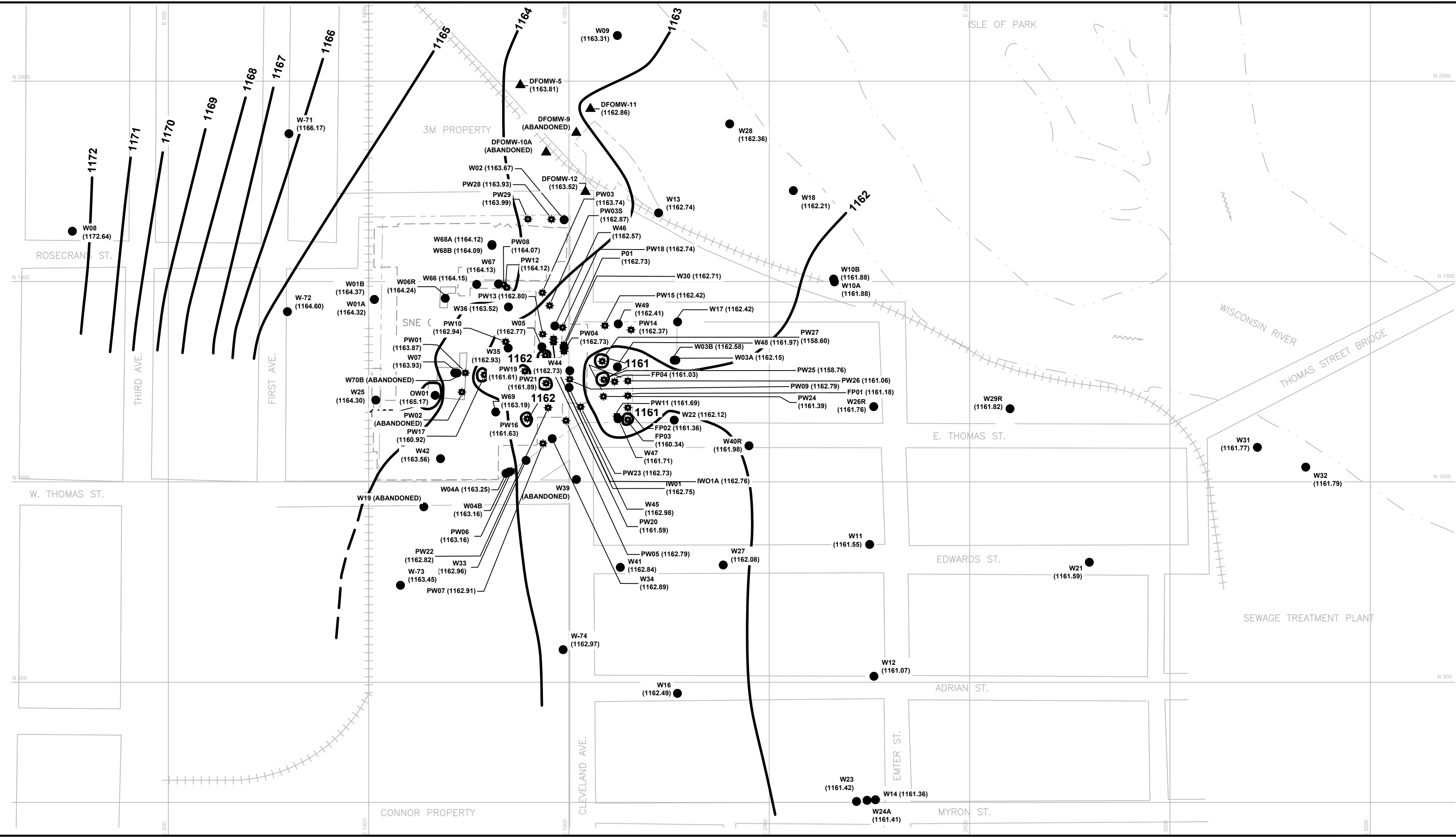
- W7 ● MONITORING WELL LOCATION AND NUMBER
- PW12 ■ EXTRACTION WELL LOCATION AND NUMBER
- DFOMW-9 ▲ (3M) GROUNDWATER MONITORING WELL AND NUMBER
- APPROXIMATE PROPERTY LINE
- FORMER BUILDING OUTLINE

- 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.



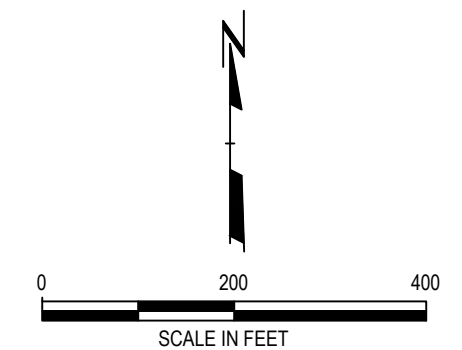
PROJECT:		WAULECO, INC.	
		ANNUAL GROUNDWATER MONITORING REPORT	
		WAUSAU, WISCONSIN	
TITLE:			
SITE FEATURES MAP			
DRAWN BY:	T.FIEBRANZ	PROJ NO.:	189597.0010
CHECKED BY:	K. QUINN	DRAWING 2	
APPROVED BY:	B. IVERSON		
DATE:	APRIL 2021		
		708 Heartland Trail Suite 3000 Madison, WI 53717 Phone: 608.826.3600	
FILE NO.:		189597.0010.02.SF.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

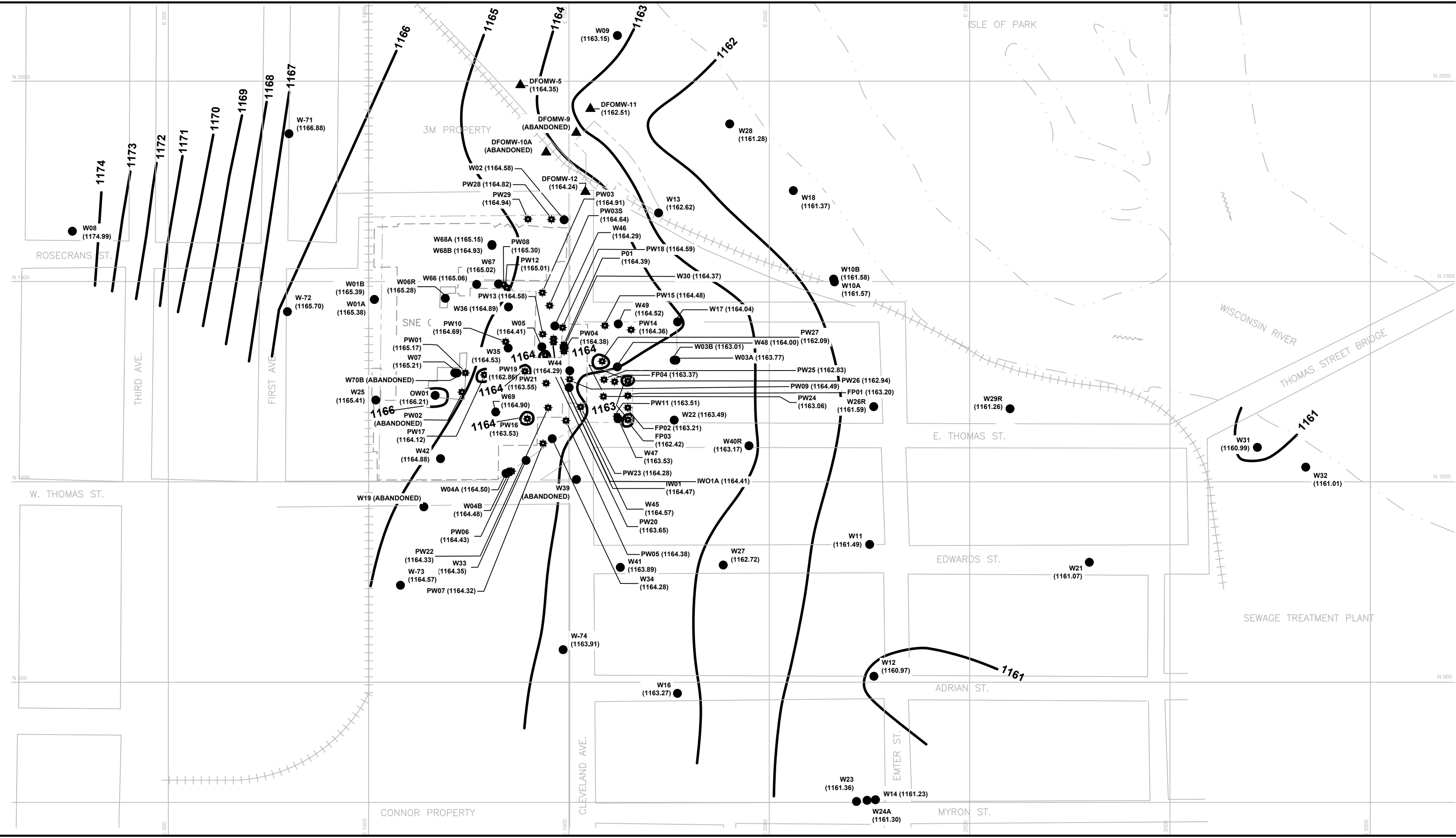
- NOTES**
1. BASE MAP DEVELOPED FROM DRAWING A107250-1 OF THE SEPTEMBER 1992 SEMI-ANNUAL GROUNDWATER MONITORING REPORT BY KEYSTONE ENVIRONMENTAL, MWH DRAWING 2082658.302160101-B1, AND 3M WELLS LOCATION BASED ON 3M MAPS.
 2. WATER ELEVATIONS OBTAINED BY TRC ON JANUARY 3, 2020. ON THIS DATE, THE PUMPING RATE OF THE GROUNDWATER EXTRACTION SYSTEM WAS APPROXIMATELY 25.5 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.



PROJECT:		WAULECO, INC.	
		ANNUAL GROUNDWATER MONITORING REPORT	
		WAUSAU, WISCONSIN	
TITLE:			
WATER TABLE MAP			
(JANUARY 3 2020)			
DRAWN BY:	T.FIEBRANZ	PROJ NO.:	189597.0010
CHECKED BY:	K. QUINN	DRAWING 3	
APPROVED BY:	B. IVERSON		
DATE:	APRIL 2021		
FILE NO.:		189597.0010.03 WT JAN 20.dwg	

TRC
 708 Heartland Trail
 Suite 3000
 Madison, WI 53717
 Phone: 608.826.3600

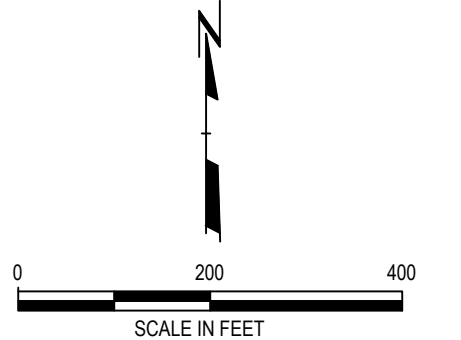
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 Version: 2017-10-21



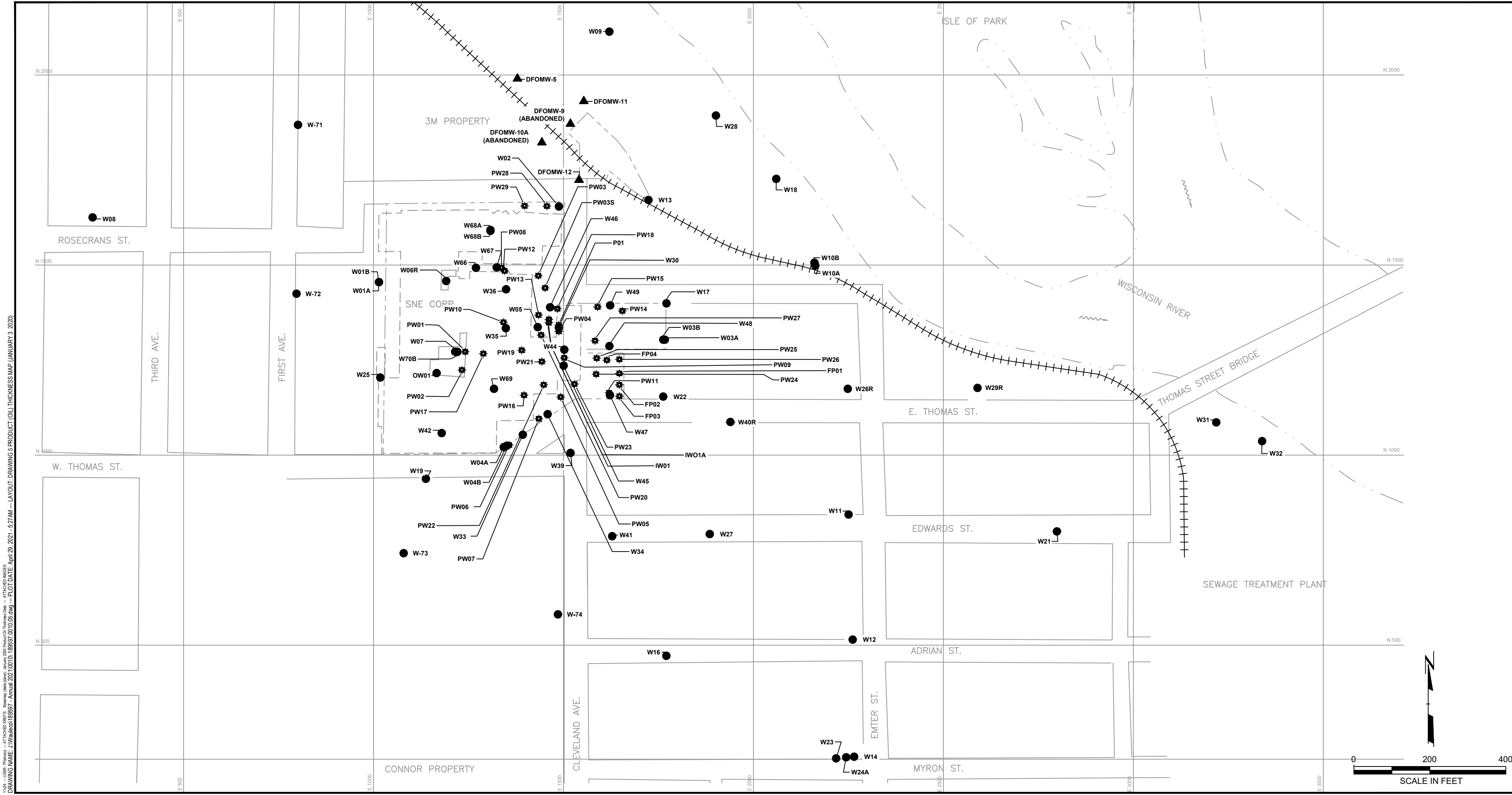
LEGEND

- 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

- 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 2, 2020. ON THIS DATE, THE PUMPING RATE OF THE GROUNDWATER EXTRACTION SYSTEM WAS APPROXIMATELY 20.8 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.



PROJECT:		WAULECO, INC.	
ANNUAL GROUNDWATER MONITORING REPORT		WAUSAU, WISCONSIN	
TITLE:			
WATER TABLE MAP (JULY 2, 2020)			
DRAWN BY:	T.FIEBRANZ	PROJ NO.:	189597.0010
CHECKED BY:	K. QUINN	DRAWING 4	
APPROVED BY:	B. IVERSON		
DATE:	APRIL 2021		
		708 Heartland Trail Suite 3000 Madison, WI 53717 Phone: 608.826.3600	
FILE NO.:		189597.0010.04.WT July 20.dwg	



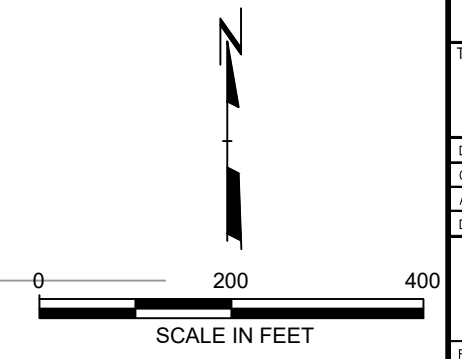
LEGEND

- W17 ● 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
- 0.00— APPARENT PRODUCT THICKNESS CONTOUR (DASHED WHERE INFERRED)

- 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 3, 2020.
 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.

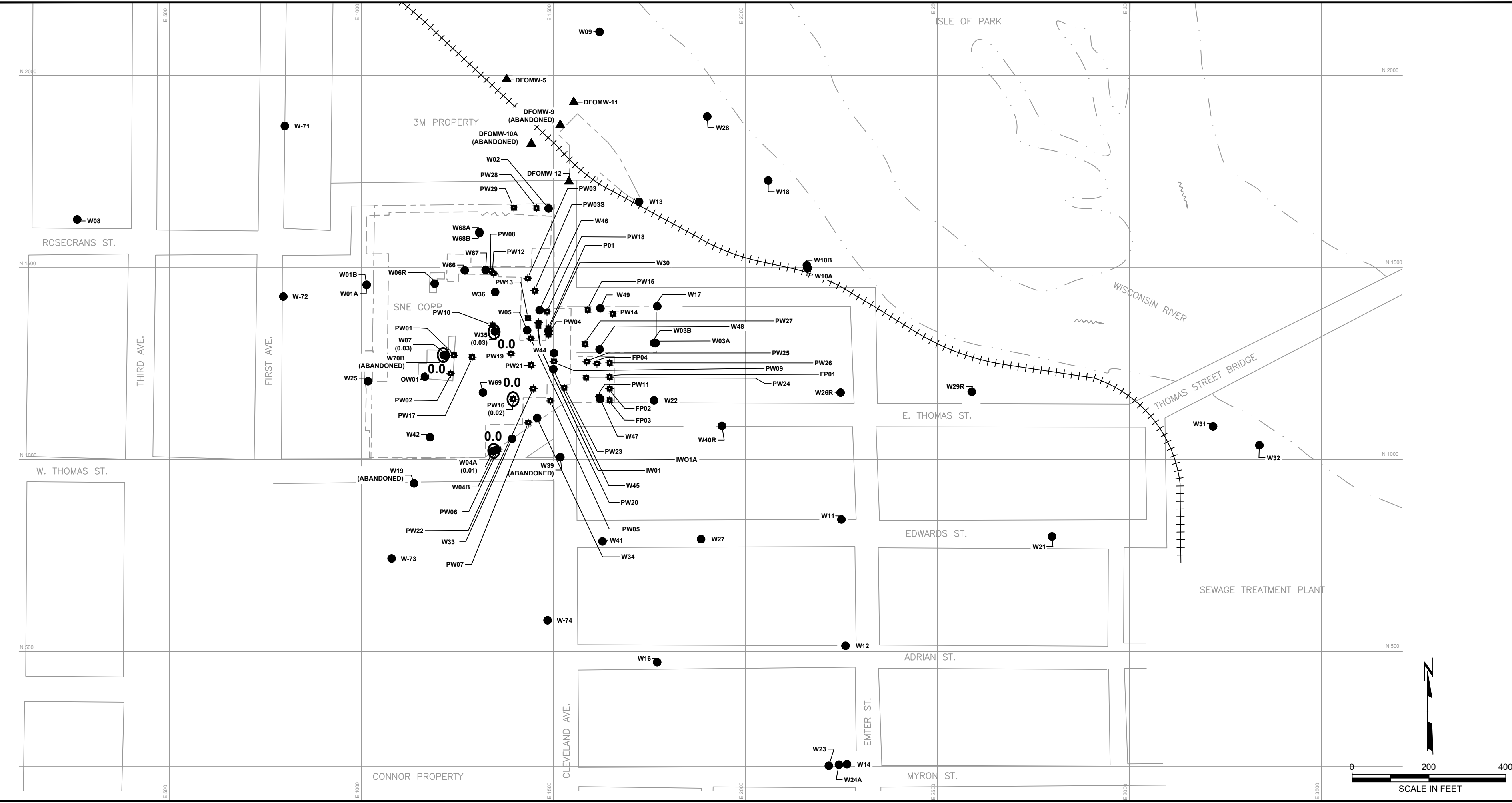
NO PRODUCT OBSERVED

PROJECT:		WAULECO, INC.
ANNUAL GROUNDWATER MONITORING REPORT		WAUSAU, WISCONSIN
TITLE:		PRODUCT (OIL) THICKNESS MAP
(JANUARY 3 2020)		DRAWING 5
DRAWN BY:	T.FIEBRANZ	PROJ NO.: 189597.0010
CHECKED BY:	K. QUINN	DRAWING 5
APPROVED BY:	B. IVERSON	
DATE:	APRIL 2021	
		708 Heartland Trail Suite 3000 Madison, WI 53717 Phone: 608.826.3600
FILE NO.:		189597.0010.05.dwg



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 Version: 2017-10-21

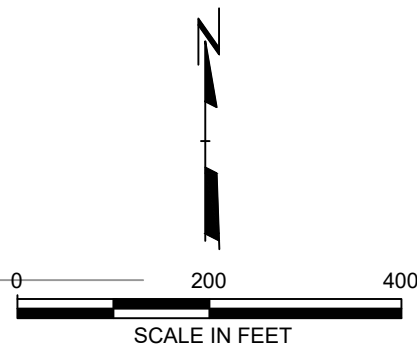
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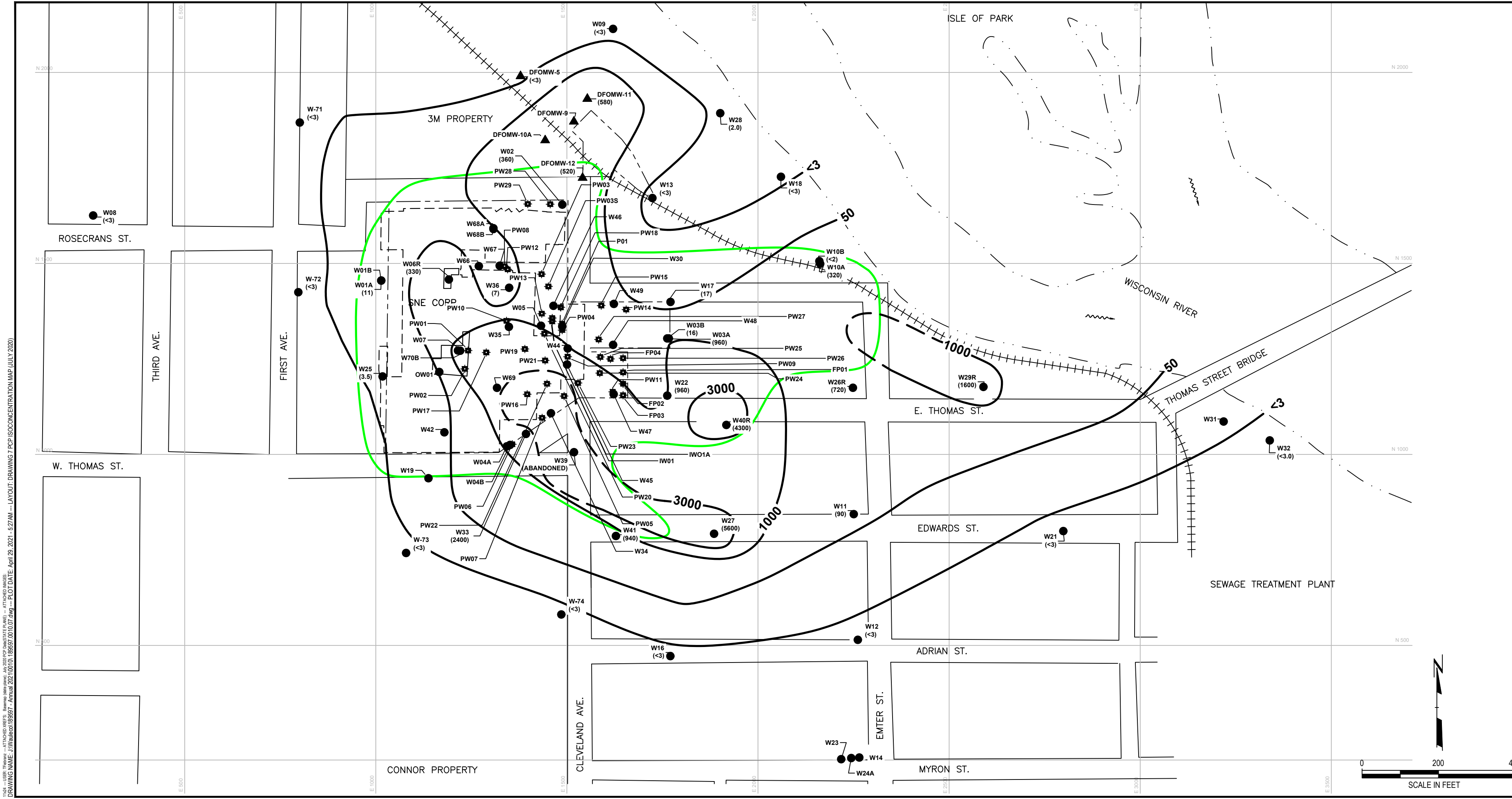
LEGEND

- 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)

- 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 2, 2020.
 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.



PROJECT:		WAULECO, INC.	
ANNUAL GROUNDWATER MONITORING REPORT		WAUSAU, WISCONSIN	
TITLE:			
PRODUCT (OIL) THICKNESS MAP			
(JULY 2 2020)			
DRAWN BY: T.FIEBRANZ	PROJ NO.: 189597.0010		
CHECKED BY: K. QUINN			
APPROVED BY: B. IVERSON	DRAWING 6		
DATE: APRIL 2021			
		708 Heartland Trail Suite 3000 Madison, WI 53717 Phone: 608.826.3600	
FILE NO.:		189597.0010.06.dwg	



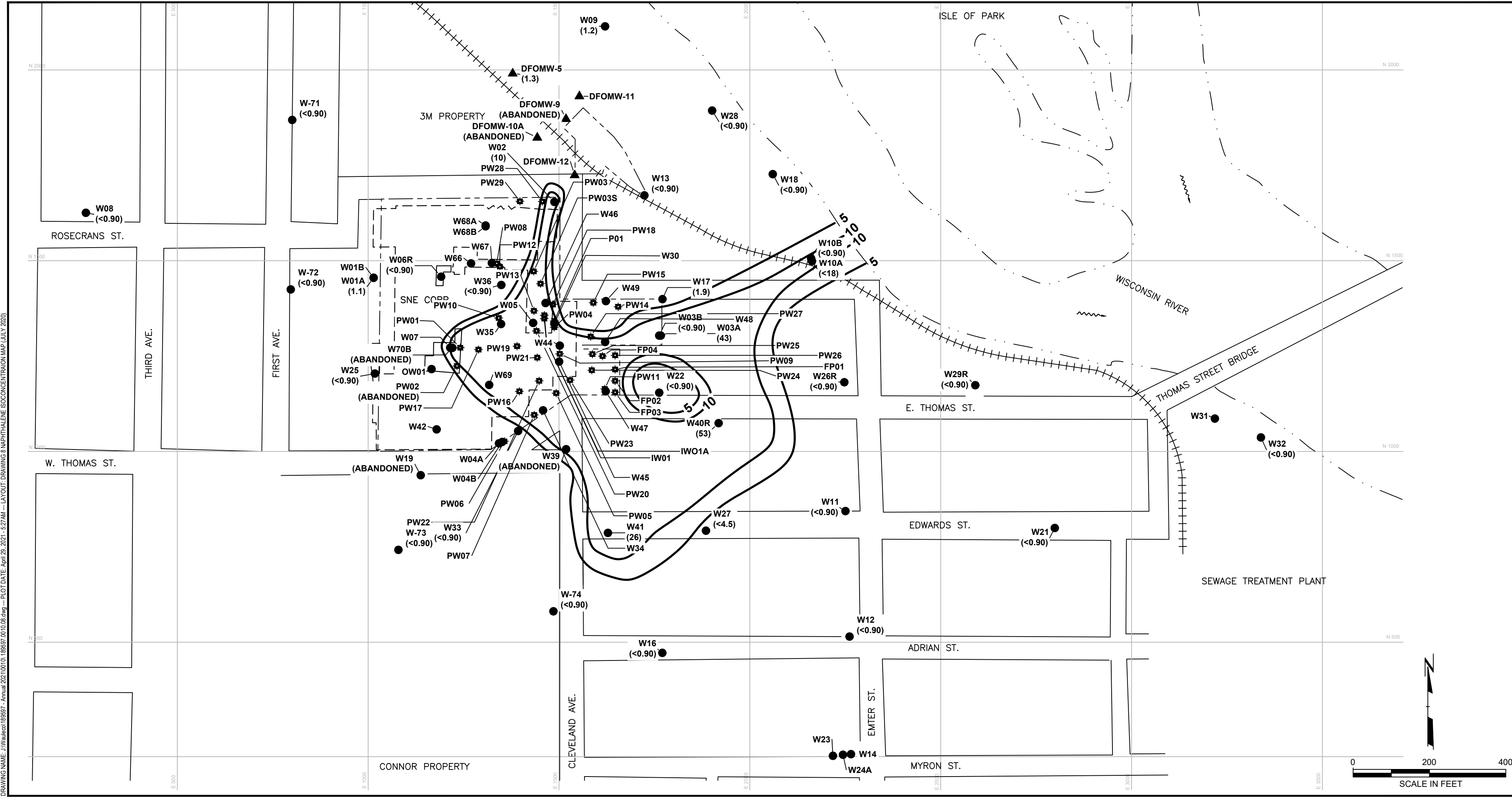
LEGEND

- W17 (77) ● 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

- 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 6, 7, 8, 13, 14, 16, 2020.
 - 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.

NO.	BY	DATE	REVISION	APPD.
PROJECT: WAULECO, INC.				
ANNUAL GROUNDWATER MONITORING REPORT				
WAUSAU, WISCONSIN				
TITLE: PCP ISOCONCENTRATION MAP				
(JULY 2020)				
DRAWN BY:	T.FIEBRANZ	PROJ NO.:	189597.0010	
CHECKED BY:	K. QUINN	DRAWING 7		
APPROVED BY:	B. IVERSON			
DATE:	APRIL 2021			
		708 Heartland Trail Suite 3000 Madison, WI 53717 Phone: 608.826.3600		
FILE NO.:		189597.0010.07.dwg		

1104 - USER: Tfranz - ATTACHED XREF'S: Banning (Data Path): July 2020 PCP Data (State Path) - ATTACHED IMAGES: DRAWING NAME: J:\wauleco\189597-Annual 2021\010101\189597.0010.07.dwg - PLOT DATE: April 29, 2021 - 5:27AM - LAYOUT: DRAWING 7 PCP ISOCONCENTRATION MAP (JULY 2020)
 Version: 2017-10-21



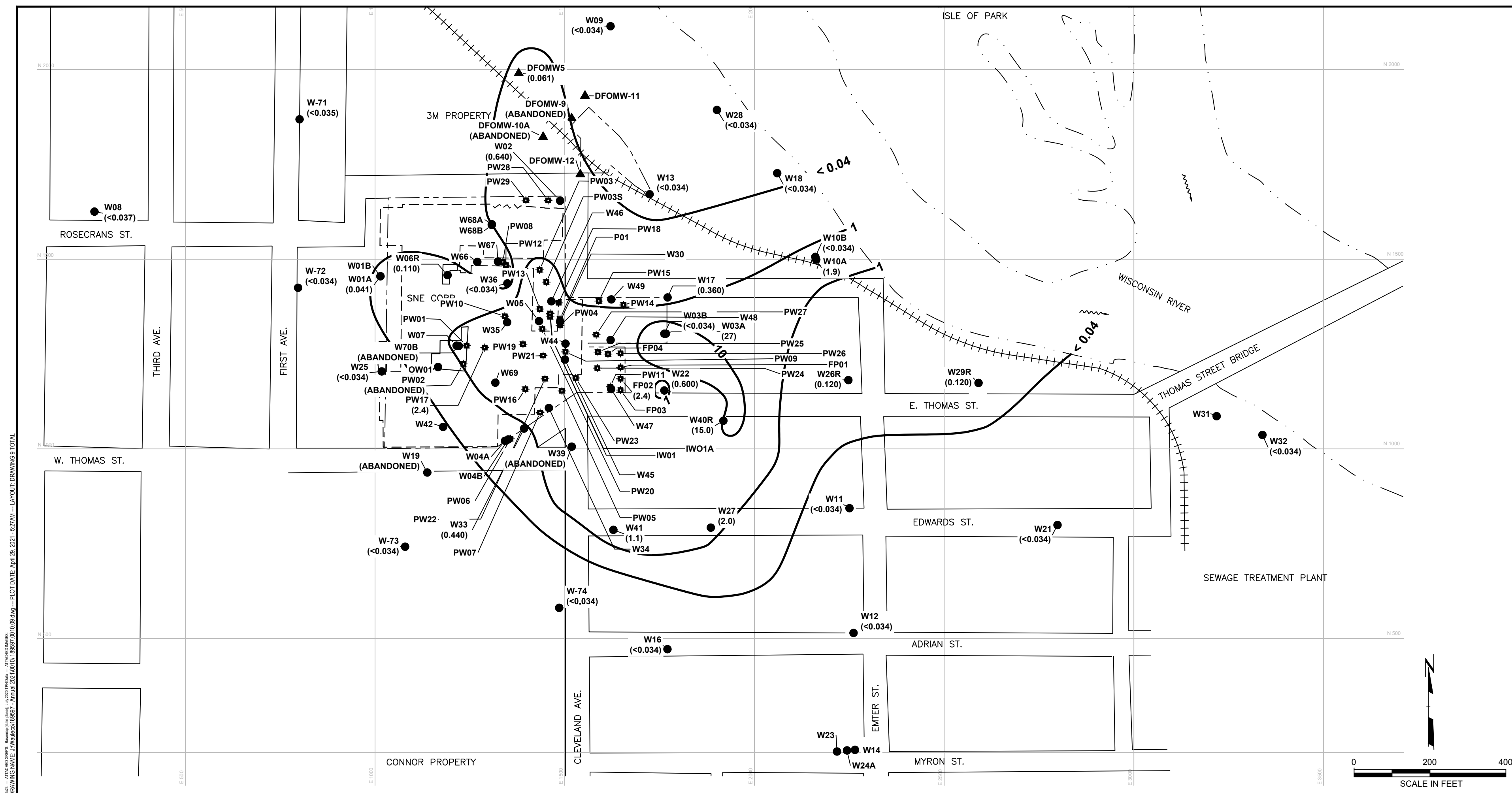
LEGEND

- 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)

- ### 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 6, 7, 8, 13, 14, 16, 2020.
 - 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 NAPHTHALENE IS 100 ug/L. THE NR140 PREVENTIVE ACTION LIMIT (PAL) FOR NAPHTHALENE IS 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.

PROJECT:		WAULECO, INC.	
		ANNUAL GROUNDWATER MONITORING REPORT	
		WAUSAU, WISCONSIN	
TITLE:			
NAPHTHALENE ISOCONCENTRAION MAP			
(JULY 2020)			
DRAWN BY:	T.FIEBRANZ	PROJ NO.:	189597.0010
CHECKED BY:	K. QUINN	DRAWING 8	
APPROVED BY:	B. IVERSON		
DATE:	APRIL 2021		
		708 Heartland Trail Suite 3000 Madison, WI 53717 Phone: 608.826.3600	
FILE NO.:		189597.0010.08.dwg	

1104 - USER: Tfranz - ATTACHED XREFS: B:\mwh\189597\001008.dwg - ATTACHED IMAGES: ...
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 Version: 2017-10-21



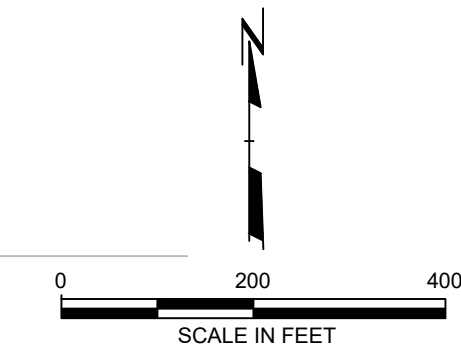
LEGEND

- 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)

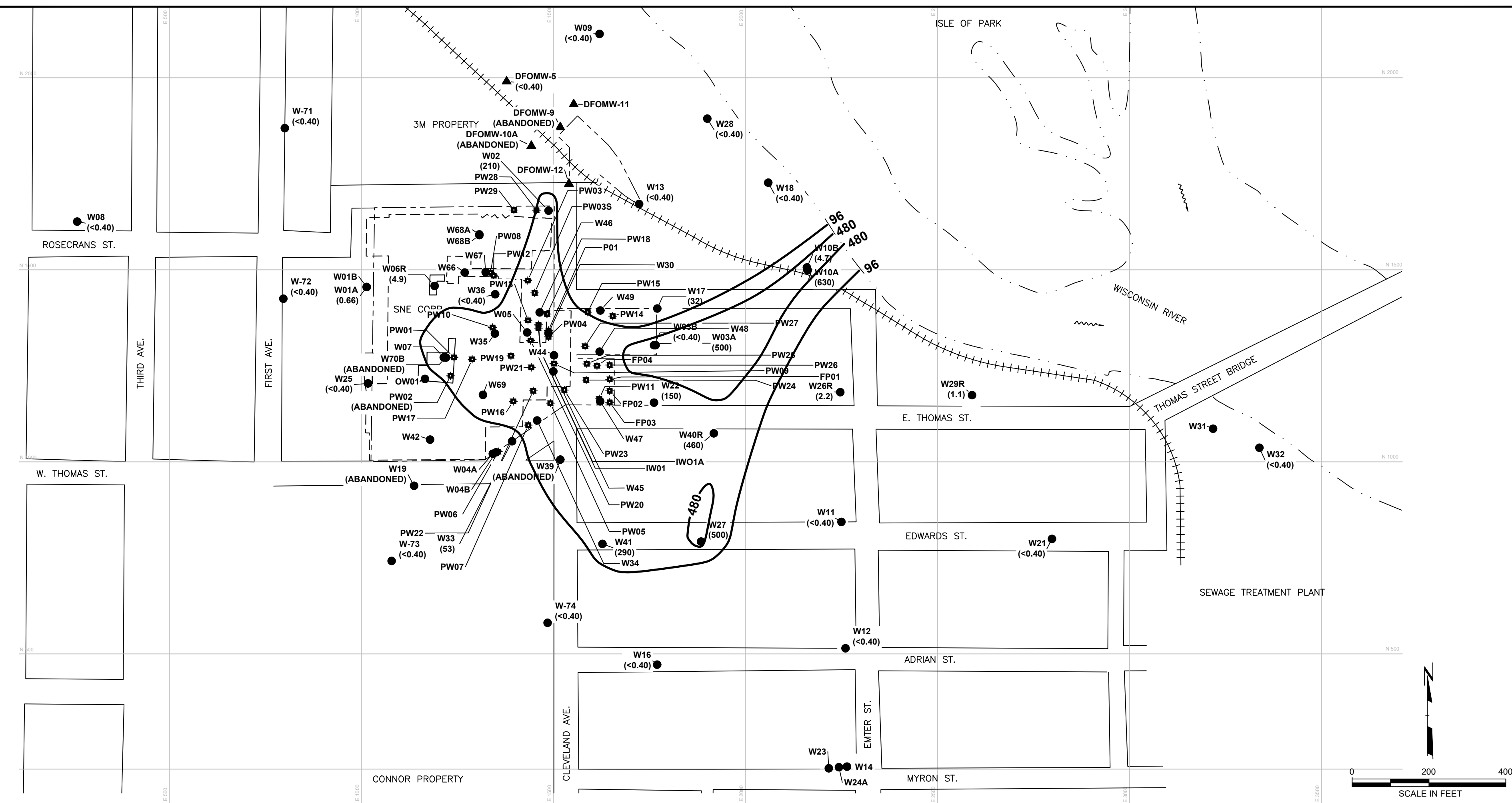
- ### NOTES
- BASE MAP DEVELOPED FROM DRAWING A107250-1 OF THE SEPTEMBER 1992 SEMI-ANNUAL GROUNDWATER MONITORING REPORT BY KEYSTONE ENVIRONMENTAL, MWH DRAWING 2082658.302160101-B1, AND 3M WELLS LOCATION BASED ON 3M MAPS.
 - GROUNDWATER SAMPLES OBTAINED BY TRC ON JULY 6, 7, 8, 13, 14, 16, 2020.
 - ANALYTE 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.
 - 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.

PROJECT:		WAULECO, INC.	
ANNUAL GROUNDWATER MONITORING REPORT		WAUSAU, WISCONSIN	
TITLE: TOTAL PETROLEUM HYDROCARBONS (TPH) AS MINERAL SPIRITS ISOCONCENTRATION MAP (JULY 2020)			
DRAWN BY:	T. FIEBRANZ	PROJ NO.:	189597.0010
CHECKED BY:	K. QUINN	DRAWING 9	
APPROVED BY:	B. IVERSON		
DATE:	APRIL 2021		
		708 Heartland Trail Suite 3000 Madison, WI 53717 Phone: 608.826.3600	
FILE NO.:		189597.0010.09.dwg	

I:\04 - ATTACHED FILES - Business (file path): July 2020\TPHData - ATTACHED IMAGES
 DRAWING NAME: J:\Wauleco\189597 - Annual 2021\00101 - 189597.0010.09.dwg - PLOT DATE: April 29, 2021 - 5:27AM - LAYOUT: DRAWING 9 TOTAL



1104 - ATTACHED XREFS: Baume & Mercier (raw plot); July 2020 TRIMETHYLBENZENE Data - ATTACHED IMAGES
 DRAWING NAME: J:\Wauleco\189597-Annual 2021\0101010.dwg - PLOT DATE: April 29, 2021 - 5:28AM - LAYOUT: 1 2 4 TRIMETHYLBENZENE ISOCONCENTRATION MAP (JULY 2020)

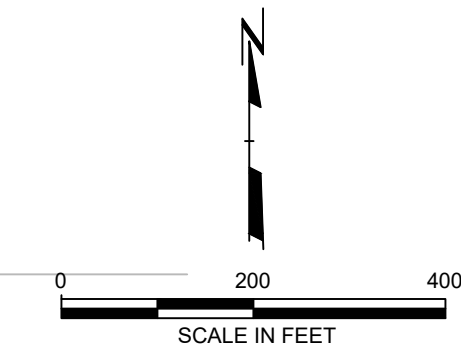


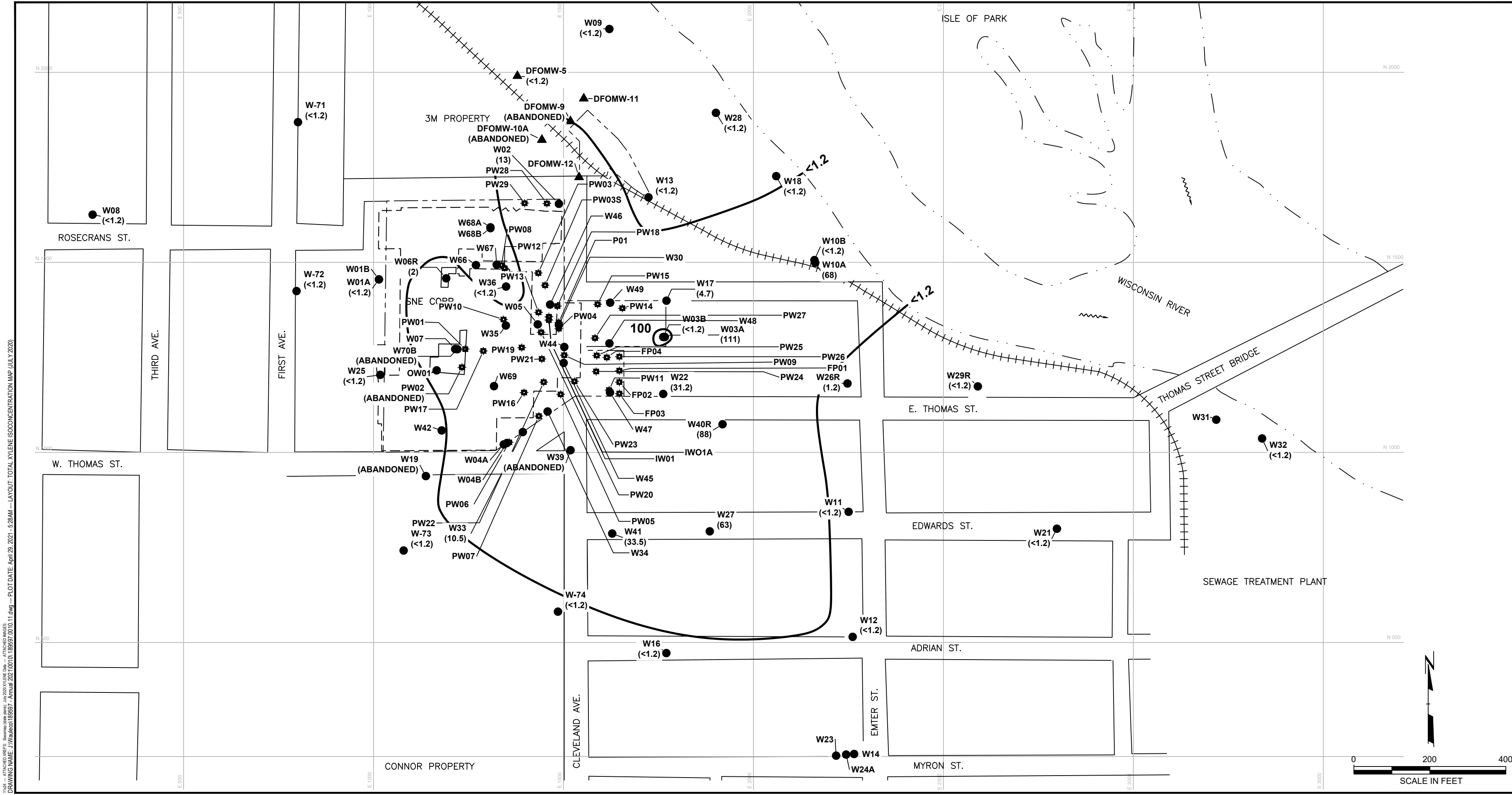
LEGEND

- 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)

- ### 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 6, 7, 8, 13, 14, 16, 2020.
 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 TRIMETHYLBENZENES IS 480 ug/L. THE NR140 PREVENTIVE ACTION LIMIT (PAL) FOR TOTAL TRIMETHYLBENZENES IS 96 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.

PROJECT:		WAULECO, INC.	
		ANNUAL GROUNDWATER MONITORING REPORT	
		WAUSAU, WISCONSIN	
TITLE:			
1 2 4 TRIMETHYLBENZENE			
ISOCONCENTRATION MAP (JULY 2020)			
DRAWN BY:	T.FIEBRANZ	PROJ NO.:	189597.0010
CHECKED BY:	K. QUINN	DRAWING 10	
APPROVED BY:	B. IVERSON		
DATE:	APRIL 2021		
		708 Heartland Trail Suite 3000 Madison, WI 53717 Phone: 608.826.3600	
FILE NO.:		189597.0010.10.dwg	





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
- 100— XYLENE ISOCONCENTRATION CONTOUR (ug/L) INTERVAL VARIES (DASHED WHERE INFERRED)

- 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 6, 7, 8, 13, 14, 16, 2020.
 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.

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

TITLE: **TOTAL XYLENE ISOCONCENTRATION MAP (JULY 2020)**

DRAWN BY: T.FIEBRANZ	PROJ NO.: 189597.0010
CHECKED BY: K. QUINN	DRAWING 11
APPROVED BY: B. IVERSON	
DATE: APRIL 2021	

708 Heartland Trail
Suite 3000
Madison, WI 53717
Phone: 608.826.3600

FILE NO.: 189597.0010.11.dwg

1104 - ATTACHED XREFS: Bureau (file path): July 2020 XYLENE Data - ATTACHED IMAGES
DRAWING NAME: J:\Wauleco\189597 - Annual 2021\001010101\189597.0010.11.dwg - PLOT DATE: April 29, 2021 - 5:28AM - LAYOUT: TOTAL XYLENE ISOCONCENTRATION MAP (JULY 2020)

APPENDIX A

WDNR CORRESPONDENCE

MOBILE PRODUCT RECOVERY SYSTEM SHUTDOWN

JANUARY AND FEBRUARY 2011

Quinn, Kenneth

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

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 Sprits (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									
06/14/1992								0.054	220					128									
09/17/1992			<1					0.023		2.52				158									
12/18/1992			<1					0.093						182									
03/24/1993			0.17					0.55						239									
04/25/1994			0.17					0.18						151									
06/22/1994			<0.1					1.46						146									
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									
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									
01/21/1997			<0.1					1.13						93									
07/11/1997			<0.1					0.17						54.5									
01/02/1998			<0.1					0.54						54.8									
06/25/1998			<0.1					1.12						76									
01/27/1999			0.1					<0.41						<41									
01/15/2003			<0.070					2.4						120									
07/22/2003			0.077					0.96						60									
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									
01/20/2005			0.044Q					0.78						28									
01/20/2005			0.032Q					0.8						28									
07/21/2005			0.16					0.25						44									
7/21/2005 Duplicate			0.15					0.4						33									
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						

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

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	18	<1	18			6000		<1
02/22/1992						4.62	16.5					1000		
09/17/1992			<1			4.59	12.2	<1	12.2			1100	<5000	
12/18/1992			<1				13.4		13.4			3000	5970	
03/23/1993			<0.1			3.75	14		14			<500	4900	
06/29/1993			0.33			3.47	18		18			<1000		
12/28/1993			<0.2			3.88	14		14			<1000		
06/22/1994			<0.1			4.23	15		15			<1000		
07/06/1995	<0.25		0.2	<0.25	<0.25	3.66	14		14			<250		
07/10/1996	<0.25	<1	<0.1	<0.25	<0.25	3.96	14		14			<250		
07/11/1997			<0.1			3.93	14		14			<260		
06/24/1998			<0.1			3.48	16.9		16.9	<0.2		<250		
06/09/1999			0.12			3.82	15.7		15.7			<100		
07/18/2000			<0.02			3.72	20.4		20.4	<0.16		<500		
01/31/2001			<0.02			3.87	18.3		18.3	<0.12		<500		
07/11/2001			<0.020			3.6	18		18	<0.14		<500		
08/06/2002			<0.020			4.400	23		23	<0.070		<500		
07/24/2003			<0.011			3.3	21		21	<0.070		<27		
07/13/2004			<0.030			4.09	20.8		20.8	0.13 J		<27		
07/20/2005			<0.030			3.7	29		29	<0.090		<27		
07/18/2006			<0.023			2.8	29		29	<0.060		<510		
07/11/2007			<0.021			2.6	27		27	<0.080		<27		
07/23/2008			<0.080			3.2	43		43	<0.050		78		
07/06/2009			0.31			0.74	42		42	<0.040		<27		
07/15/2010			<0.050			2.5	100		100	<0.040		430		
07/18/2011			<0.022			2.2	52		52	<0.030		300		
07/06/2012			<0.030			3.4	57		57	0.020		50		
07/01/2013			<0.040			2	140		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		

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

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)	(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					<10	<200	<10								
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					<10	<200	<10								
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	<6		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		<10	<200	<10			38600	10500			<5000	
12/22/1991			54.5										17.2	31.7			10800		<10	<200	<10			25400	6970				
02/20/1992										2.87				33.7					<500										
06/14/1992										2.66				73					<500										
09/17/1992				<1						2.98		1.53		58				15700											
12/19/1992				<1						2.38				59.8				2000	16000										
03/23/1993				0.2					5.06					60				<500											
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	<0.2														
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										<5.0			<0.5		
07/07/2014					0.9					3.1			22		<0.016								12.5			<1.6		
01/15/2015					1.2					3.5			18										<10			<1.6		
07/06/2015					2.2					4			20		<0.050								<10			<1.6		
01/13/2016					1					5.5			22										135			<1.6		
07/05/2016					0.86					3.5			18		0.030								32.1			<1.6		
01/16/2017					1.6					4.1			23										<59			<2.2		
07/10/2017					0.90					3			18		<0.020								<59			<2.2		
01/10/2018					0.82					4.6			26										<59			<2.2		
07/10/2018					0.43					4.2			16		<0.020								<59			<2.2		
01/22/2019					1.30					3.5			15										<59			<2.2		
07/08/2019					1.30					3			16		<0.020								<59			<2.2		
01/09/2020					2.80					4.3			15										<59			<2.2		
07/06/2020					1.50					3.7			18		<0.020								<59			<2.2		

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				
09/03/1987						7.47				0.04	11.2		381	860	<10	71.9					<10	<200	<10		3980		
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			<10	172						<200	<10		67,600	17,600	<5000
12/22/1991			223	223								2.69			<10	118				90,300		211	<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						
07/10/2001					0.280				<0.18							31.0				<0.14							
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						
07/07/2015									<0.040												<0.050						
07/06/2016									<0.040												0.059						
07/11/2017									0.11												<0.020						
07/18/2018									<0.12												<0.020						
07/09/2019									<0.12												<0.020						
07/07/2020									0.62												<0.020						

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	<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	<0.25	<0.25	<0.02							49					2,800						
07/09/1996	<0.25	<1	<0.1		<0.25	<0.25	<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		0.45 B	3,900								
07/09/2012			<0.030				<0.030							59											
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

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 7/20/2005 Duplicate			<0.030			0.610			2.1		<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	

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											
03/03/1988				4.55				1.16	<6		267	624	16.2	45.2											
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											
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																									
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		<500	17,500								
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		<500									
01/30/2001			<0.02				0.99							39.2	0.16	<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 7/1/2013 Duplicate			<0.040				0.5							54	<0.016	480									
01/24/2014				1.1									13		<0.016	300							<5.0		22.8
07/08/2014				2.4				0.67					16			<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
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

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

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
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

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 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				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								
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 Sprits (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					
06/04/1987						5.26				11.8	11.6		605	14900	36.8	162					<10	<200	<10							
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														
03/03/1988						2.33				10.1	15.4		490	880	31	164														
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														
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	<5																			
12/12/1990						5.94							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								1.04			32.6	170				75,400							71800	17900		12500
12/22/1991			99.5	99.5								1.33			33	126				60,600	0						55400	14100		9980
06/16/1992										5.8		4.29				101				1,600		<1	<200							
12/18/1992										10.4						125				<500	58,500									
06/29/1993					0.53						7.86					126														
12/28/1993					<0.2						11.5					155														
06/21/1994					<0.1						6.27					128														
07/06/1995	<0.25				0.17		<0.25	<0.25	6.03							106														
07/08/1996	<0.25	<1			<0.1		<0.25	<0.25	0.84							28														
07/11/1997					<0.1				5.44							173														
06/24/1998					<0.1				4.13							221		<0.2												
06/07/1999					<0.1				3.24							155														
07/18/2000					<0.02				4.74							122		0.26												
01/30/2001					<0.02				3.39							127		1.2												
07/10/2001					<0.02				220							860		<0.14												
08/05/2002					<0.020				7.2							120		<0.070												
07/22/2003					0.034				6.3							84		<0.070												
07/12/2004					<0.030				6.66							92.5		<0.11		29 J										
07/19/2005					<0.030				6.4							180		<0.090												
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				26 Y										<0.50
07/08/2014						4.5				5.1						24		<0.016		<27										<1.6
01/12/2015						1.5										24				30										1.8
07/06/2015						2.5				4.5						20		<0.050		<26										<1.6
01/12/2016						2.1										22				<27										<1.6
07/05/2016						1.4				5.4						21		0.094		<33										<1.6
01/16/2017						1.8										25				<33										<2.2
07/10/2017						2.7				5.4						21		<0.020		39 B										<2.2
01/10/2018						1.3										28				<33										<2.2
07/10/2018						0.71				4.7						21		<0.020		<34										<2.2
01/22/2019						1.6										20				<31										<2.2
07/08/2019						2.8				3.7						18		<0.020		<32										123
01/07/2020						3.4										21				52 B										4.9
07/06/2020						1.3				4.7						17		<0.020		<34 Q										<2.2

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	32	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

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										<0.020		<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	

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 (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)	Iron (ug/L)	Calcium (ug/L)	Magnesium (ug/L)	Potassium (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																32400	0	<200	<10			33100	9780	<5000
12/22/1991			85.8	85.8								0.392								25000		<200	<10			24300	7430	<5000
06/24/1992										2.5						40.4				<500								
12/18/1992					<1					2.3						59				<500	36500	<1						
06/29/1993					<0.1				1.83							62				<1000								
12/28/1993					<0.2				2.4							74				<1000								
06/22/1994					0.31				1.3							43				<1000								
07/06/1995	<0.25				0.16	<0.25	<0.25	0.78								44				<250								
07/08/1996	<0.25	<1			<0.1	<0.25	<0.25	4.36								88				<250								
07/11/1997					<0.1			2.58								79.1				<260								
06/23/1998					<0.1			2.93								130		<0.2	<250									
06/07/1999					<0.1			1.69								110			<100									
07/17/2000					<0.02			1.51								87.7		<0.16	<500									
01/30/2001					<0.02			1.34								48.0		5.8	<500									
07/10/2001					<0.02			2.20								99.0		<0.14	<500									
08/05/2002					<0.020			3.1								91.0		<0.070	<500									
07/22/2003					0.015			4.0								68.0		<0.070	<27									
07/13/2004					<0.030			2.77								110		<0.11	29 J									
07/19/2005					<0.030			3.10								110		<0.090	<27									
07/18/2006					<0.023			1.60								130		<0.060	<710									
07/09/2007					<0.021			4.10								120		<0.080	<27									
07/22/2008					<0.080			3.60								190		<0.050	76									
07/07/2009					<0.030			2.3Y								180		<0.040	<27									
07/14/2010					<0.050			2.70								110		<0.040	<27									
07/18/2011					<0.022			2.40								130		0.050	<28									
07/09/2012					<0.030			2.30								75		<0.016	<27									
07/01/2013					<0.040			2.20								130		<0.016	<26									
07/08/2014									1.9								<0.016	<27										
07/07/2015									1.6 H								<0.050	<27										
07/05/2016									1.3								0.092	<35										
07/10/2017									1.8								<0.020	36 B										
07/10/2018									1.4								0.340	<34										
07/09/2019									2.3								<0.020	<34										
07/06/2020									2								<0.020	<34 Q										

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)
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			0.12				<0.1			138								
07/10/1996	<0.25	<1	<0.1	<0.25	<0.25		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 Spirits (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

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)
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	
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	

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			650			62,800		
12/18/1992			<1					0.337		139			1,000			66,000		
03/24/1993			0.18				0.12			136			4,800			52,800		
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

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			<1				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

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

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)	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				7.31				<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	<200	<10					
03/03/1988				12				<0.02	9.52		471	2070	43.5	129					<10	<200	<10					
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					<10	<200	<10					
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		<0.25	<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							49			<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			54.1		<1.6	
07/07/2015				1.8				1.2 H					16		<0.050				<27			<10		<0.050		
01/12/2016				1.3									16							<27			<10		<1.6	
07/06/2016				1				1.2					15		<0.020				<33			<10		<1.6		
01/16/2017				1.8									15							<34			<59		<2.2	
07/11/2017				1.5				0.81					10		<0.020				34 B			<59		<2.2		
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		

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	0.08		<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	
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	

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							<10		
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				
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						

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

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

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		
12/18/1992			<1					0.905		195			75,000	96,200	Δ1
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					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

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 Sprits (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					
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						
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						9,100						
01/15/2015							0.15												
07/08/2015							<0.040						8,200						
01/14/2016							0.27												
07/12/2016							<0.040					0.15	2,500						
01/19/2017							0.20												
07/18/2017							0.14						1,400			22	20	1380	14300
01/11/2018							<0.040						1,600			14	31	8200 M	12700 M
07/18/2018							0.15						1,300			9.7	26	6930	14600
01/24/2019							<0.12						2,400			4.1	48	7940	17100
07/15/2019							0.36						680			7.9	7.7	6070	13700
01/22/2020							<0.12						2,300			1.7	31	15300 M	18700 M
1/22/2020 Duplicate							<0.12						1,500			1.5	34	15300	19300
07/08/2020							0.22						1,100			1.6	9.6	13700	15100

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

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

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

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

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	7330 M	3,000
01/16/2017		3.8	12	15600 M	7300 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	2700 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	14400 M	7310 M	3,500
07/08/2020		2.4	8.8	14,700	7,780	2,400

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 Solids (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	

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

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	<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	<6.0	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	Phenol/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			9.5	<3.0	
07/06/09	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			47	<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			20	<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			20	<3.0	
01/24/11	4.2		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			45	<3.0	
07/19/11	1.6		<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		11	<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			2.5	<3.0	
07/06/12	2.1		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			21	<3.0	
01/04/13	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			14	<3.0	
07/05/13	4.2		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			42	<3.0	
07/07/14	4.1		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			42	<3.0	
07/07/15	5.8		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	1.1	<3.0	<3.0	<3.0		60	<3.0	
07/06/16	2.5		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			31	<3.0	
07/11/17	2.2		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			27	<3.0	
07/12/18	3.8		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			40	<3.0	
07/09/19	0.94		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			11	<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			5.6	<3.0	

Notes: Prepared By: T. Dushek, 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		<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	<1000	<2000	<5000	<2000	<5000	<2500	11000		
09/13/95	<1000		<1000	<1000	<1000	<1000	<2000	<1000	<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	<10000	<5000	<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	<600	<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	<1500 J	<1500	<1500 J		15000	<1500 J	
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 Duplicate	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		9300 V	<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		8300 V	<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		7800V	<600 V	
1/17/2006 Duplicate	<600 V		<600 V	<600 V	<600 V	<600 V	<600 V	<600 V	<600 V	<600 V	1200 V	<600 V	<600 V	<600 V	<600 V		8500V	<600 V	
01/18/10	140		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	31	<3.0	<3.0	<3.0		3200	<3.0	
1/18/2010 Duplicate	110		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	27	<3.0	<3.0	<3.0		2600	<3.0	
07/15/10	120 Y		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		2500	<3.0	
01/25/11	100		<11	<10	<10	<8.4	<15	<12	<8.9	<8.8	<9.2	<14	<16	<7.8	<11		1500	<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		970	<0.49	
01/18/12	81		<11	<10	<10	<8.3	<15	<12	<8.8	<9.1	<14	<16	<7.7	<11			1500	<4.8	
07/09/12	170		<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		2000	<3.0	
7/9/2012 Duplicate	190		<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		2100	<3.0	
01/07/13	160		<56	<51	<51	<41	<76	<61	<44	<43	<45	<71	<81	<38	<56		2800	<24	
07/08/13	<110		<110	<100	<100	<84	<150	<120	<89	<88	<92	<140	<160	<78	<110		1700	<49	
07/16/14	<220		<220	<200	<200	<170	<310	<240	<180	<180	<180	<290	<330	<160	<220		3000	<98	
07/08/15	100		<26	<6.3	<26	<9.4	<78	<21	<6.3	<21	<15	<21	<31	<14	<31		1900	<6.8	
07/07/16	67		<6.1	<26	<6.6	<10	<15	<20	<6.1	<7.7	<6.1	<8.7	<15	<7.1	<10		1500	<12	
7/7/2016 Duplicate	57		<6.1	<26	<6.6	<10	<15	<20	<6.1	<7.7	<6.1	<8.7	<15	<7.1	<10		1400	<12	
07/13/17	49		<6.1	<25	<6.6	<10	<15	<20	<6.1	<7.6	<6.1	<8.6	<15	<7.1	<10		830	<12	
7/13/2017 Duplicate	39		<6.2	<26	<6.7	<10	<15	<21	<6.2	<7.7	<6.2	<8.8	<15	<7.2	<10		690	<12	
07/12/18	47		<5.5	<5	<6.2	<4.8	<6.9	<5	<5.7	<4.8	<5	<5.5	<7.1	<5.2	<5.7		750	<6.2	
7/12/2018 Duplicate	76		<5.5	<5	<6.2	<4.8	<6.9	<5	<5.7	<4.8	<5	<5.5	<7.1	<5.2	<5.7		1100	<6.2	
07/11/19	13		<4.6	<4.2	<5.3	<4	<5.9	<4.2	<4.8	<4	<4.2	<4.6	<6.1	<4.4	<4.8		280	<5.3	
7/11/2019 Duplicate	15		<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		260	<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		360	<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		330	<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 - 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	

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	3,6,4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Chloro-3-Methylphenol	4-Nitrophenol	Dinoseb	Pentachlorophenol	Phenol	Phenol/2-Chlorophenol
03/21/96	<1000		<1000	<1000	<1000	<1000	<2000	<1000	<1000	<1000	<1000	<2000	1100	<1000	<2000	<1000	11000	<1000	
07/10/96	<5000		<5000	<5000	<5000	<5000	<10000	<5000	<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	<8.9	<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	<65	<31	<45		1,300	<20	
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		
01/18/12	33		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		530	<3.0	
1/18/2012 Duplicate	27		<11	<10	<10	<8.3	<15	<12	<8.8	<8.7	<9.1	<14	<16	<7.7	<11		1,100	<4.8	
04/03/12																	390		
07/10/12	44		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		800	<3.0	
01/07/13	<23		<23	<21	<21	<17	<32 M	<25	<18	<18	<19	<29	<34 M	<16	<23 Y		320 M	<10	
07/05/13	29		<28	<26	<26	<21	<39	<31	<22	<22	<23	<36	<41	<20	<28		540	<12	
01/21/14	<31		<31	<28	<28	<23	<43 M	<34	<25	<24	<26	<40	<45	<22	<31		580	<14	
07/09/14	<28		<28	<26	<26	<21	<38	<31	<22	<22	<23	<36	<41	<19	<28		450	<12	
7/9/2014 Duplicate	<28		<28	<26	<26	<21	<39	<31	<22	<22	<23	<36	<41	<20	<28		390	<12	
01/19/15	<26		<13	<3.1	<13	<4.6	<38	<10	<3.1	<10	<7.1	<10	<15	<6.9	<15		200	<3.3	
07/08/15	<26		<13	<3.1	<13	<4.6	<39	<10	<3.1	<10	<7.2	<10	<15	<7.0	<15		380	<3.4	
7/8/2015 Duplicate	27		<13	<3.1	<13	<4.6	<39	<10	<3.1	<10	<7.2	<10	<15	<7.0	<15		550	<3.4	
01/19/16	26		<13	<3.0	<13	<4.5	<38	<10	<3.0	<10	<7.1	<10	<15	<6.8	<15		440	<3.3	
07/07/16	39		<3.0	<13	<3.3	<5.1	<7.3	<10	<3.0	<3.8	<3.0	<4.3	<7.6	<3.5	<5.1		780	<6.1	
01/19/17	17		<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		320	<3.0	
07/17/17	53		<3.0	<13	<3.3	<5.1	<7.3	<10	<3.0	<3.8	<3.0	<4.3	<7.6	<3.5	<5.1		680	<6.1	
01/11/18	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		340	<3.0	
07/18/18	34 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		500	<3.0	
01/24/19	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		290	<3.0	
07/11/19	38		<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		610	<3.0	
01/13/20	24 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		410	<3.0	
07/08/20	47		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		900	<3.0	

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

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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		5.17	<0.51	<0.51	2.1		<0.51		<0.51		<1.02	<0.51	<1.02		394	<0.51
02/22/92		<1		<1	<0.5	<0.5	<1		1.9		<0.5		<1	<0.5	<1		25.4	<0.5
09/17/92		<1		1.04	<0.5	<0.5	<1		<0.5		<0.5		<1	<0.5	<1		215	<0.5
12/18/92		<1		<1	<0.5	<0.5	<1		1.61		<0.5		<1	<0.5	<1		103	1.31
03/23/93		<10		<3	<1	<1	<3		<1		<1		<5	<5	<5		17.8	<1
06/29/93	75		<20	<10	<10	<10	<20	<10		<10	<10	<20	<10	<10	<20	<10	1300	
12/28/93	<10		<20	<10	<10	<10	<20	<10		<10	<10	<20	<10	<10	<20	<10	24	
06/22/94	11		<20	<10	<10	<10	<20	<10		<10	<10	<20	<10	<10	<20	<10	180	
07/06/95	<25		<10	<10	<10	<10	<50		<10	<10	<10	<20	<50	<20	<50	<25	60	<10
07/10/96	<10		<10	<10	<10	<10	<20	<10	<10	<10	<10	<20	11	<10	<20	<10	110	<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		71	<0.127
06/24/98	<3		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3		16	<3
06/09/99	3.2		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		25	<3.0
07/18/00	<3		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	4.4		49	<3
01/31/01	<3		17	<3	<3	<3	3.0	<3	<3	<3	<3	<3	<3	<3	<3		18	<3
07/11/01	4.4		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		9.7	<3.0
08/06/02	5.7		<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		43	<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		7.6	<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		5.7	<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		3.6	<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		4	<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	31		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		250	<3.0
07/18/11	10		<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		120	<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		1.9	<3.0
07/01/13	3.3		<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		48	<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		9.4	<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		8.5	<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		2	<3.0
07/13/17	0.74		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		19	<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		7	<3.0
07/09/19	0.24		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		20	<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		16	<3.0

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

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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&4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Chloro-3-Methylphenol	4-Nitrophenol	Pentachlorophenol	Phenol
07/24/03	<3000	<3000	<3000	3,600	<3000	<3000	<3000	<3000	6,300	3,700	<3000	<3000	<3000	<3000	7,200	<3000
07/23/08	410	<81	<89	<63	<120	<160	<95	<70	<90	<62	<69	<96	<110	<64	5,100	<32
7/23/2008 Duplicate	420	<82	<90	<64	<130	<170	<96	<71	<91	<63	<70	<97	<110	<65	5,000	<32
01/19/10	1,800	<81	<88	<62	<120	<160	<94	<69	<89	<61	<68	<95	<110	<63	15,000	<32
07/14/10	290	<110	<100	<100	<84	<150	<120	<89	<88	<92	<140	<160	<78	<110	4,500	<49
01/25/11	490	<110	<100	<100	<85	<150	<120	<90	<89	<93	<140	<160	<78	<110	5,300	<49
1/25/2011 Duplicate	490	<110	<100	<100	<82	<150	<120	<87	<86	<90	<140	<160	<76	<110	5,300	<48
07/25/11	490 M	<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 M	<0.49
01/18/12	290	<11	<10	<10	<8.5	<15	<12	<9	<8.9	<9.3	<14	<16	<7.8	<11	2,900	<4.9
07/09/12	120 M	<5.8	<5.3	<5.3	<4.3	<7.9	<6.2	<4.6	<4.5	<4.7	<7.4	<8.4	<4.0	<5.8	1,000 M	<3.0
01/07/13	750	<110	<100	<100	<84	<150	<120	<89	<88	<92	<140	<160	<78	<110	9,000	<49
07/08/13	300	<110	<100	<100	<85	<150	<120	<90	<89	<93	<140	<160	<78	<110	3,300	<49
7/8/2013 Duplicate	340	<110	<100	<100	<84	<150	<120	<89	<88	<92	<140	<160	<78	<110	3,600	<49
01/21/14	580	<120	<110	<110	<87	<160	<130	<93	<91	<96	<150	<170	<81	<120	5,700	<51
1/21/2014 Duplicate	500	<110	<100	<100	<85	<150	<120	<90	<89	<93	<140	<160	<78	<110	5,800	<49
07/09/14	120	<110	<100	<100	<85	<150	<120	<90	<89	<93	<140	<160	<78	<110	1,500	<49
01/19/15	320	<51	<12	<51	<18	<150	<41	<12	<41	<29	<41	<61	<28	<61	4,100	<13
07/09/15	230	<51	<12	<51	<18	<150	<41	<12	<41	<29	<41	<61	<28	<61	3,200	<13
7/9/2015 Duplicate	170	<51	<12	<51	<18	<150	<41	<12	<41	<29	<41	<61	<28	<61	2,300	<13
01/19/16	140	<51	<12	<51	<18	<150	<40	<12	<40	<28	<40	<61	<27	<61	1,700	<13
1/19/2016 Duplicate	100	<51	<12	<51	<18	<150	<41	<12	<41	<29	<41	<61	<28	<61	1,300	<13
07/12/16	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	210	<3.0
01/16/17	370	<24	<100	<26	<40	<58	<80	<24	<30	<24	<34	<60	<28	<40	5,500	<48
07/18/17	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	170	<3.0
01/11/18	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	2,500	<3.0
07/12/18	8	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	97	<3.0
01/24/19	93	<12	<11	<13	<10	<15	<11	<12	<10	<11	<12	<15	<11	<12	1,600	<13
07/11/19	150	<11	<10	<13	<9.6	<14	<10	<12	<9.6	<10	<11	<14	<11	<12	2,400	<13
01/13/20	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	3,200	<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	330	<3

Notes: Prepared By: T. Dushek, 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 - 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	Dinoseb	Pentachlorophenol	Phenol
01/08/87																	<1	
06/04/87																	14.8	
09/03/87																	<1	
12/03/87																	<1	
03/03/88																	<1	
04/07/88																	<1	
08/10/88																	220	
11/15/88																	153	
01/26/89																	3.63	
04/27/89																	1.18	
07/27/89																	<1	
10/26/89																	<1	
01/25/90																	11.5	
05/03/90																	4.04	
09/20/90																	3.3	
12/11/90																	<1	
01/29/91																	3.21	
05/01/91																	36.7	
06/17/91																	1.12	
10/08/91																	4.7	
02/20/92		<1		1.02	<0.5	<0.5	<1		<0.5		<0.5		<1	<0.5	<1		11	3.5
06/14/92		<1.05		6.69	<0.526	3.77	<1.05		<0.526		<0.526		<1.05	<0.526	<1.05		55.3	<0.526
09/17/92		<1		<1	<0.5	<0.5	<1		<0.5		<0.5		<1	<0.5	<1		23	<0.5
12/19/92		<1		<1	<0.5	<0.5	<1		<0.5		<0.5		<1	<0.5	<1		4.85	<0.5
03/23/93		<20		<6	<2	<2	<6		<2		<2		<10	<10	<10		<10	<2
06/28/93	19		<20	<10	<10	<10	<20	<10		<10	<10	<20	<10	<10	<20	<10	130	
12/27/93	<10		<20	<10	<10	<10	<20	<10		<10	<10	<20	<10	<10	<20	<10	12	
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	480	
10/04/94	<50		<100	<50	<50	<50	<100	<50		<50	<50	<100	<50	<50	<100	<50	470	
01/05/95	<10		<20	<10	<10	<10	<20	<10		<10	<10	<20	<10	<10	<20	<10	98	
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	<20	<50	<20	<50	<25	<50	<50	<10
09/13/95	<10		<10	<10	<10	<10	<20	<10	<10	<10	<20	<10	<10	<20	<10	<10	<1	<10
12/18/95	<10		<10	<10	<10	<10	<20	<10	<10	<10	<20	<10	<10	<20	<10	<10	<1	<10
03/20/96	<10		<10	<10	<10	<10	<20	<10	<10	<10	<20	<10	<10	<20	<10	<10	6.4	<10
07/08/96	<10		<10	<10	<10	<10	<20	<10	<10	<10	<20	<10	<10	<20	<10	<10	1.4	<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	5.6		<0.209	<0.127
01/02/98	<0.182		<0.453	<0.469	<0.344	<0.148	8.4	<0.397	<0.194	<0.252	<0.104	<0.128	<0.362	<0.105	4.3		<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			11	7.7	3.6		3											
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	<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		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
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 - 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	Dinoseb	Pentachlorophenol	Phenol
01/15/02	5.4		11	6.5	25	15	11	14	53	49	62	38	10	<3.0	31		14	57
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
01/14/03	<3.0		5	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			6.7	<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
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			6.4	<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	<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	<3.0
01/17/06	8.1		<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	45		<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
01/23/07	<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			1.8	<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

Notes: Prepared By: T. Dushek, 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 - 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	<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		250	<0.127
06/24/98	<3		7.7	5.6	<3	<3	8.5	<3	<3	<3	<3	<3	7.3	3.4	5.2		4.4	<3
06/07/99	4.00		<3.0	<3.0	<3.0	<3.0	20.0	<3.0	<3.0	<3.0	3.90	<3.0	<3.0	<3.0	<3.0		7.00	<3.0
07/18/00	<15		<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	62	<15	59		33	<15
01/30/01	<30		<30	<30	<30	<30	67	<30	<30	<30	<30	<30	<30	<30	140		<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	10		9.7	7.5	3.1	<3.0	<3.0	<3.0	<3.0	3.4	4.2	3.0	<3.0	<3.0	7.4		6.1	<3.0
07/23/03	150		<60	<60	<60	<60	<60	<60	<60	<60	<60	<60	<60	<60	<60		140	<60
07/12/04	<30		<30	<30	<30	<30	95	<30	<30	<30	<30	<30	49	<30	<40		63	<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		49 V	<30 V
07/18/06	<3.0		<3.0	<3.0	<3.0	<3.0	10	3.4	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	18		14	<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		5.5	<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		0.26	<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		2.5	<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		1.8	<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

Notes:

Prepared By: T. Dushek, 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 - 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		13.1		108	<0.526	1.67	47.4		<0.526		4.82		<1.05	<0.526	3.78		7,400	0.714
12/18/92		19.7		<1	<0.5	<0.5	<1		<0.5		<0.5		<1	<0.5	12.3		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 7/23/2008 Duplicate	700		<180	<190	<140	<270	<360	<210	<150	<200	<130	<150	<210	<250	<140		8,800	<70
07/06/09 7/6/2009 Duplicate	370		<160	<170	<120	<240	<320	<190	<140	<180	<120	<140	<190	<220	<130		5,500	<63
	410		<160	<180	<120	<240	<330	<190	<140	<180	<120	<140	<190	<220	<130		6,000	<63

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
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			6,200	<3.0
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	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		2,300	<0.49
10/03/11																	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	280 V		<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		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	200		<110	<100	<100	<84	<150	<120	<89	<88	<92	<140	<160	<78	<110		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	100		<51	<12	<51	<18	<150	<41	<12	<41	<29	<41	<61	<28	<61		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	61		<6.1	<25	<6.6	<10	<15	<20	<6.1	<7.6	<6.1	<8.6	<15	<7.1	<10		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	52		<12	<52	<13	<21	<30	<41	<12	<15	<12	<18	<31	<14	38		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	50 Q		<11	<10	<12	<9.5	<14	<10	<11	<9.5	<10	<11	<14	<10	<11		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	52		<12	<11	<13	<10	<15	<11	<12	<10	<11	<12	<15	<11	<12		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	42		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		310	<3.0

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

- 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.
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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&4-Methylphenol	4-Chloro-3-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Nitrophenol	Dimoseb	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		39.2	<0.535
12/18/92		<1		<1	<0.5	<0.5	<1		<0.5		<0.5		<0.5	<1	<1		30.3	<0.5
06/29/93	1.8		<1	<1	<1	<10	<1	<1		<10	<1	<20	<10	<1	<1	<1	8.4	
12/28/93	<10		<20	<10	<10	<10	<20	<10		<10	<10	<20	<10	<10	<20	<10	23	
06/22/94	66		27	16	<10	<10	<20	<10		<10	<10	<20	17	<10	<20	<10	33	
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	7.7	<10
07/11/97	8.5		<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		76	<0.127
06/24/98	<3		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3		11	<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		3.4	<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		15	<3.0	<3.0	<3.0	4.3	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		9.8	<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		3.3	<3.0
08/06/02	4.9		<3.0	3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		7.9	<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	4.6	<3.0	<4.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<4.0		25	<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		8.8	<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		10	<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		7.4	<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		5.6	<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		40	<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		12	<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		49	<3.0
07/20/11	9.4		<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		120	<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		86	<3.0
04/09/12																	42	
07/06/12	5.5		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		87	<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		72	<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		16	<3.0
07/07/15	1.1		<3.0	<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
07/07/16	0.61		<3.0	<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	<3.0
07/17/17	0.54		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		7.5 B	<3.0
07/11/18	2.2		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		40	<3.0
07/15/19	1.5		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		27	<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		5.2	<3.0

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

- 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	Dinoseb
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	<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	3.2	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	Dinoseb
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	43	<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	64	<3.0J	
07/19/05	4.8		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	180	<3.0	
07/19/06	<15		<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	270	<15	
07/10/07	57		<8.5	<10	<6.7	<5.1	<10	<13	<7.1	<3.1	<6.2	<5.5	<7.5	<3.2	<6.1	540	<3	
07/23/08	13		<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	140	<3.0	
07/07/09	47		<16	<17	<12	<24	<32	<19	<14	<18	<12	<14	<19	<22	<13	660	<6.3	
07/14/10	46		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	440	<3.0	
07/19/11	12		<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	97	<0.48	
07/09/12	34		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	360	<3.0	
07/01/13	78		<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	960	<3.0	
7/1/2013 Duplicate	67		<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	950	<3.0	
07/08/14	37		<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	660	3.2	
07/06/15	18		<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	400	<3.0	
07/05/16	6.5		<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	180	<3.0	
07/17/17	2.3		<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	52	<3.0	
07/11/18	4.7		<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	120	<3.0	
07/09/19	9.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	170	<3.0	
07/07/20	5.1		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	90	<3.0	
10/05/20																84		

Notes:

Prepared By: T. Dushek, 11/2/20

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 - 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		<1	<0.5	<0.5	<1		<0.5		<0.5		<1.03	<0.5			3.67	<0.5
06/29/93	<1		<1	<1	<1	<10	<1	<1		<10	<1	<20	<1	<10	<1	<1	<1	<1
12/28/93	<1.1		<1.1	<1.1	<1.1	<11	<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	<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	

- Notes: Prepared By: T. Dushek, 11/2/20 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 - 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	<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																3.2		
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		1.4	<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		1.6	<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		2.5	<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	0.66		<3.0	<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	
07/20/17	<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		0.75 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		2.7	<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	

Notes:

Prepared By: T. Dushek, 8/7/20

Checked By: A. Voit, 11/23/20

- 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	Dinoseb	Pentachlorophenol	Phenol
01/08/87																	<1	
06/04/87																	<1	
09/03/87																	<1	
12/03/87																	4.74	
03/03/88																	<1	
04/07/88																	<1	
08/10/88																	<1	
11/15/88																	<1	
01/26/89																	1.93	
04/27/89																	<1	
07/27/89																	<1	
10/26/89																	<1	
01/25/90																	<1	
05/03/90																	<1	
09/21/90																	1.64	
12/12/90																	<1	
01/30/91																	1.65	
05/01/91																	2.79	
06/18/91																	<1	
10/08/91																	6.49	
06/24/92		<1.02		<1.02	2.39	<0.51	<1.02		<0.51		<0.51		1.23	0.582	<1.02		<1.02	<0.51
12/18/92		<1		<1	<0.5	<0.5	<1		<0.5		<0.5		<1	<0.5	<1		2.43	<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	26	
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	5		4.7	<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		6.6	<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	4		7.4	<3.0
01/30/01	<3.0		11	<3.0	<3.0	<3.0	4.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	6.7		<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	14	<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		

Notes:

Prepared By: T. Dushak, 11/2/20

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.
- 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	<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	3.2		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	3.3	<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	<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	
07/19/06	<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	190		<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	3,000	<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	
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	

Notes:

Prepared By: T. Dushek, 11/2/20

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 - 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	72	<60	<60	250	98	<60	<60	<60	340	340	<60	<60	<60	<60	1,400	91
07/13/04	<60	<60J	<60J	<60	<60J	110	130	<60	190	180	150	<60	<60	<80	1,000	390
01/21/05 1/21/2005	<30 V	<30 V	<30 V	<30 V	<30 V	<30 V	<30 V	94 V	65 V	420 V	67 V	<30 V	<30 V	<30 V	240 V	110 V
Duplicate	<30 V	<30 V	<30 V	<30 V	<30 V	<30 V	<30 V	95 V	67 V	420 V	68 V	<30 V	<30 V	<30 V	230 V	70 V
07/20/05	<60 V	<60 V	<60 V	<60 V	<60 V	<60 V	<60 V	<60 V	<60 V	98 V	<60 V	<60 V	<60 V	<60 V	810 V	<60 V
07/18/06	<60	91	<60	<60	<60	<60	<60	<60	<60	260	<60	<60	<60	<60	830	69
01/23/07 1/23/2007	<60	<60	<60	<60	<60	<60	<60	<60	<60	110	<60	<60	<60	<60	940	<60
Duplicate	<60	<60	<60	<60	<60	<60	<60	<60	<60	160	<60	<60	<60	<60	920	<60
07/10/07	24	<15	<18	<12	<8.9	<18	<23	<12	<5.4	<11	<9.7	<13	<5.6	<11	560	<4.5
01/28/08	<21	<17	<20	<13	<10	<20	<26	<14	<6	<12	<11	<15	<6.3	<12	620	<5.1
07/23/08	20	<16	<18	<13	<25	<33	<19	<14	<18	<12	<14	<19	<23	<13	460	<6.4
07/06/09 7/6/2009	19	<16	<18	<12	<24	<33	<19	<14	<18	<12	<14	<19	<22	<13	570	<6.3
Duplicate	17	<16	<18	<12	<24	<33	<19	<14	<18	<12	<14	<19	<22	<13	530	<6.3
01/18/10	25	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	440	<3.0
07/15/10	42	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	520	<3.0
01/24/11	21	<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	370	<4.9
07/19/11	17	<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	180	<0.49
01/23/12	11	<6	<5.5	<5.5	<4.5	<8.2	<6.6	<4.8	<4.7	<4.9	<7.7	<8.8	<4.2	<6	330	<3.0
07/06/12 7/6/2012	8.1	1.1	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	190	<3.0
Duplicate	8.2	1.2	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	140	<3.0
01/07/13	<11	<11	<10	<10	<8.3	<15	<12	<8.8	<8.7	<9.1	<14	<16	<7.7	<11	220	<4.8
07/02/13	16	<11	<10	<10	<8.5	<15	<12	<9	<8.9	<9.3	<14	<16	<7.8	<11	370	<4.9
01/22/14	<12	<12	<11	<11	<9	<16	<13	<9.6	<9.5	<9.9	<15	<18	<8.4	<12	190	<5.3
07/16/14	11	<11	<10	<10	<8.4	<15	<12	<8.9	<8.8	<9.2	<14	<16	<7.8	<11	230	<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	300	<3.0
Duplicate	<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	81	<3.0
07/09/15	11	<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	260	<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	110	<3.0
Duplicate	<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	120	<3.0
07/07/16	1.3	<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	60	<3.0
01/16/17	3.6	<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	170	<3.0
07/11/17	3.2	<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	69	<3.0
01/11/18	2.6	0.52	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	72	<3.0
07/11/18	4.6	<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	99	<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	67	<3.0
07/11/19	3.9	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	77	<3.0
01/13/20	3.1 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	61	<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	17	<3.0

Notes: Prepared By: T. Dushek, 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 - 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		146	<5	<5	<10		<5		17.3		<10	<5	<10		11,800	<5
07/08/92		17		<1.02	70.8	9.67	85.9		<0.51		3.6		<1.02	24.9	<1.02		9,380	27
09/17/92		47.8		<1	29.6	<0.5	<1		1.68		4.25		4.39	<0.5	102		11,600	<0.5
12/17/92		33.8		<1	15	<0.5	<1		<0.5		<0.5		<1	<0.5	<1		19,500	60.7
03/23/93		<20		<6	<2	<2	<6		<2		<2		<10	<10	<10		7,470	<2
06/29/93	750		<200	<100	<100	<100	<200	<100	<100	<100	<100	<200	<100	<100	<200	<100	13,000	
12/28/93	840		52	170	<10	23	45	16		14	<10	<20	<10	100	<20	<10	5,600	
06/22/94	1,000		400	400	220	<100	350	<100		<100	<100	<200	<100	<100	<200	<100	11,000	
07/05/95	<640		<260	<260	<260	<260	<1300	<260	<255	<260	<510	<1300	<510	<1300	<640		5,100	<260
07/09/96	<5000		<5000	<5000	<5000	<5000	<10000	<5000	<5000	<5000	<10000	<5000	<5000	<10000	<5000		1,100	<5000
07/11/97	<0.182		55	<0.469	<0.344	53	<0.269	<0.397	<0.194	<0.252	<0.104	<0.128	<0.362	67	<0.351		15,000	320
06/24/98	<300		<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300		2,500	<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		250	<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	3.3		80	<3.0
01/31/01	<3.0		9.5	<3.0	<3.0	<3.0	3.8	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	7.1		32	<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		16	<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		3.6	<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		4.7	<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	<3.0 M	<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	5.8
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	19		<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		230	<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		2.9	<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		2.6	<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		2.0	<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	<3.0		<3.0	<3.0

Notes: Prepared By: T. Dushek, 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 - 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	570	<300	<300	630	870	910	1,100	2,400	<300	<300	1,000	<300	3,600
07/11/01	<150	<150	<150	<150	<150	<150	<150	<150	<150	<150	<150	<150	<150	<150	<150	<150
01/15/02	150	48	110	150	220	320	78	570	750	260	200	36	120	120	94	240
08/06/02	<150	<150	<150	190	250	<150	410	490	590	530	720	<150	<150	<150	<150	2,000
01/14/03	16	<3.0	4.9	45	<3.0	<3.0	<3.0	<3.0	<3.0	29	<3.0	<3.0	<3.0	<3.0	44	<3.0
07/22/03	1,700	<60	<60	<60	<60	<60	<60	1,400	<60	170	<60	<60	<60	<60	710	960
01/20/04	<60	<60	<60	<60J	<60	<60J	<60	<60	95	<60J	<60J	<60	<60	<60J	50	200
07/13/04	<60	65J	<60J	72	<60	180	72	700	380	110	85J	<60	85	<80	210	640
01/21/05	41 V	<600 V	<600 V	<600 V	<600 V	<600 V	<600 V	7900 V	4100 V	4600 V	4100 V	<600 V	<600 V	<600 V	72 V	5100 V
07/20/05	4.9	<3.0	<3.0	<3.0	<3.0	3.8	<3.0	20	13	4.1	18	4.4	<3.0	<3.0	21	<3.0
01/17/06	290 V	<30.0	96 V	<1500	<1500	400 V	280 V	7600 V	1900 V	23000 V	2200 V	200 V	280 V	78 V	260 V	7400 V
07/20/06	37.0	26	11	86	140	77.0	81	3,400	500	1,800.0	570	100.0	47	18	72	430
01/23/07	10.0	<3.0	3	<3.0	11	<3.0	<3.0	<3.0	<3.0	150.0	27	15.0	3.1	4.5	27	70
07/11/07	11.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	68	<3.0
7/11/2007 Duplicate	9.6	<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	57	<3.0
01/28/08	6.2	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	49	<3.0
07/24/08	9.9	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	60	<3.0
01/20/09	3.3	<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	22	<3.0
07/07/09	9.0	<3.0	<3.0	<3.0	<3.0	<3.3	<3.0	<3.0	<3.0	<3.0	7.1	<3.0	<3.0	<3.0	87	<3.0
01/18/10	4.5	<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	28	<3.0
07/14/10	11.0	<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	59	<3.0
01/25/11	75.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	430	<3.0
04/05/11															710	
07/19/11	27	<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	150	<0.50
10/03/11															210	
01/17/12	81	2.6	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	570	<3.0
04/03/12															270	
07/06/12	85	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	640	<3.0
01/04/13	24.0	<11	<10	<10	<8.4	<15	<12	<8.9	<8.8	<9.2	<14	<16	<7.8	<11	260	<4.9
07/01/13	15.0	<11	<10	<10	<8.3	<15	<12	<8.8	<8.7	<9.1	<14	<16	<7.7	<11	120	<4.8
01/21/14	50.0	<11	<10	<10	<8.5	<15	<12	<9	<8.9	<9.3	<14	35	<7.8	<11	310	<4.9
07/08/14	33.0	<11	<10	<10	<8.5	<15	<12	<9	<8.9	<9.3	<14	<16	<7.8	<11	260	<4.9
01/15/15	40.0	<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	270	<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	250	<3.0
01/14/16	72.0	<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	610	<3.0
07/07/16	77.0	<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	660	<3.0
01/16/17	25.0	<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	230	<3.0
07/17/17	16.0	<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	120	<3.0
01/10/18	41.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	290	<3.0
07/11/18	25.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	180	<3.0
01/23/19	11.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	89	<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																	1.96	
06/04/87																	<1	
09/03/87																	<1	
12/03/87																	<1	
03/03/88																	<1	
04/07/88																	<1	
08/10/88																	5.55	
11/15/88																	182	
01/26/89																	2.47	
04/27/89																	<1	
07/27/89																	<1	
10/26/89																	<1	
01/25/90																	3.86	
05/03/90																	1.09	
09/21/90																	8.96	
12/12/90																	2.36	
01/30/91																	1.84	
05/01/91																	<1	
06/19/91																	2.33	
10/08/91																	4.21	
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		26.5	2.63
06/29/93	<1		<1	<1	<1	<1	<1	<1	<10	<1	<20	<20	<10	<10	<1	<1	2.8	
12/28/93	<10		<20	<10	<10	<10	<20	<10	<10	<10	<20	<20	<10	<10	<20	<10	33	
06/22/94	100		56	27	<10	<10	<20	<10	<10	<10	<20	<10	<10	<20	<10	<10	44	
07/06/95	<25		<10	<10	<10	<10	<50	<10	<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		3.1	<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		5.1	<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	3.4		10	<3.0
01/30/01	<3.0		7.9	<3.0	<3.0	<3.0	27	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	8.2		44	<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	1.3 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	
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	0.58		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		5.0	<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	

Notes:

Prepared By: T. Dushek, 11/2/20

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 - 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	Pheno/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	<1	<10	<1	<10	<1	<20	<1	<1	<1	<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	<2000	<1000	<1000	<2000	<1000		2,000	<1000	
12/18/95	<100		<100	<100	<100	<100	<200	<100	<100	<100	<200	<100	<100	<200	<100		3,200	<100	
03/21/96	<1000		<1000	<1000	<1000	<1000	<2000	<1000	<1000	<1000	<2000	<1000	<1000	<2000	<1000		610	<1000	
07/10/96	<1000		<1000	<1000	<1000	<1000	<2000	<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	<12	<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	2,300	<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	Pheno/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		

Notes:

Prepared By: T. Dushek, 11/2/20

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 - 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&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	<10	<1	<1		<10	<1	<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	410		<20
06/21/94	280		140	110	110	32	60	32		23	77	<20	33	41	71	<10	2400		34
10/04/94	<250		<500	<250	<250	<250	<500	<250		<250	<250	<500	<250	<250	<250	<250	2300		<500
03/10/95	<1000		<2000	<1000	<1000	<1000	<2000	<1000		<1000	<1000	<2000	<1000	<1000	<2000	<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	<1000	<2000	<1000	<1000	<2000	<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&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			310 V	<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			68	36	
01/24/07	<30		<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30			350	<30	
07/11/07	3.9		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			60	<3.0	
01/29/08	7.7		<4.2	<4.9	<3.3	<3.0	<5.1	<6.4	<3.5	<3.0	<3.1	<3.0	<3.7	<3.0			230 M	<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			9.6	<3.0	
01/20/09	8.9		<4.2	<4.5	<3.2	<6.3	<8.4	<4.8Q	<3.6	<4.6	<3.2	<3.5	<4.9	<5.8			210	<3.0	
07/06/09	11.0		<4	<4.4	<3.1	<6.1	<8.2	<4.7	<3.5	<4.4	<3.1	<3.4	<4.7	<5.6			150	<3.0	
01/18/10	5.9		<4.1	<4.5	<3.2	<6.3	<8.3	<4.8	<3.5	<4.5	<3.1	<3.5	<4.8	<5.7			65	<3.0	
07/13/10	6.1		<3.0	<3.0	<3.0	<3.0	<3.1	<3.0	<3.0	<3.0	<3.0	<3.0	<3.3	<3.0			130	<3.0	
7/13/2010 Duplicate	4.6		<3.0	<3.0	<3.0	<3.0	<3.1	<3.0	<3.0	<3.0	<3.0	<3.0	<3.3	<3.0			93	<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			5.4	<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			3.7	<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			5.6	<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			6.6	<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			5.4	<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			10	<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			4.2	<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			4.1	<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			4.7	<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			6.4	<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			5.0	<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			4.9	<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	
01/16/17	0.6		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			6.2	<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	
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			4.6	<3.0	
07/11/18	0.41		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			8.0	<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			3.1	<3.0	
07/25/19	0.22		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			3.7	<3.0	
01/13/20	0.25		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			5.4	<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			3.5	<3.0	

Notes: Prepared By: T. Dushek, 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 - 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		25.7		<10	<5	<10		22,300	<5
06/14/92		69.9		<10.5	<5.26	<5.26	<1.05		<0.526		<5.26		<1.05	<5.26	<1.05		26,100	<0.526
09/17/92		74		<1	177	<0.5	<1		5.74		110		<1	<0.5	139		31,700	<0.5
12/18/92		40.6		<1	<0.5	<0.5	<1		<0.5		71.2		<1	<0.5	<1		45,100	152
03/24/93		<10		<3	<1	<1	<3000		<1		<1		<5	<5	<5		30,400	<1
06/30/93	1,600		<200	<100	130	<100	450	<100		<100	<100	<200	<100	<100	<200	<100	16,000	
12/27/93	1,600		380	<100	<100	<100	<200	<100		<100	<100	<200	<100	<100	<200	<100	3,500	
04/25/94	4,800		<2000	<1000	<1000	<1000	<2000	<1000		<1000	<1000	<2000	<1000	<1000	<2000	<1000	32,000	
06/22/94	2,900		690	1,100	250	<100	480	270		<100	180	<200	<100	280	230	<100	6,400	
10/04/94	4,100		<500	<250	450	<250	<500	<250		<250	<250	<500	<250	<250	<500	<250	12,000	
03/09/95	<1000		<2000	<1000	<1000	<1000	<2000	<1000		<1000	<1000	<2000	<1000	<1000	2900	<1000	14,000	<10
07/06/95	7,600		<10	<10	<10	<10	<50	<10	<10	<10	<20	<50	<20	<50	<25	<5000	<5000	<10
09/13/95	<1000		<1000	1,100	<1000	<1000	<2000	<1000	<1000	<1000	<2000	2,900	<1000	<2000	<1000	<1000	4,000	<1000
03/21/96	<2000		<2000	<2000	<2000	<2000	<4000	<2000	<2000	<2000	<2000	<4000	<2000	<2000	<4000	<2000	8,200	<2000
07/09/96	<5000		<5000	<5000	<5000	<5000	<10000	<5000	<5000	<5000	<5000	<10000	<5000	<5000	<10000	<5000	1,800	<5000
09/25/96	2,950		<7.3	87	<8	<15	<7.2	<8.7	<12	<7.9	<15	<17	<7.5	54	<7.4	<8.5	17,300	<10
07/11/97	5,100		<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		47,000	1,100
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		14,000	<0.127
06/24/98	1,600		<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500		15,000	<1500
01/27/99																	18,000	
06/09/99	<1500		<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500		4,600	<1500
01/11/00	<1500		<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500		12,500	<1500
07/18/00	<1500		<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500		23,000	<1500
01/31/01	<15		<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15		210	<15
07/11/01	1,100		<150	<150	<150	<150	<150	<150	<150	<150	<150	<150	<150	<150	<150		6,500	<150
01/15/02	260		<150	<150	<150	<150	<150	<150	<150	<150	<150	<150	<150	<150	<150		1,500	<150
08/06/02	890		<600	<600	<600	<600	<600	<600	<600	<600	<600	<600	<600	<600	<600		6,800	<600
01/14/03	300		<60	<60	<60	<60	<60	<60	<60	<60	<60	<60	<60	<60	<60		2,700	<60
07/24/03	190		<60	<60	<60	<60	<60	<60	<60	<60	<60	<60	160	<60	<60		1,800	<60
01/21/04	<300J		<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300		3,600	<300J
07/13/04	<60J		<60	<60	<60	<60	<80	<60	<60	<60	<60	<60	<60	<60	<80		1,900	<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		2000 V	<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		1900 V	<300 V
01/17/06	360 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		2800 V	<300 V
07/20/06	320		<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300		2,400	<300
01/23/07	120		<60	<60	<60	<60	<60	<60	<60	72	<60	<60	<60	<60	<60		960	<60
07/10/07	160		<30	<35	<24	<18	<36	<45	<25	<11	<22	<19	<26	<11	<21		1,200	<9.1
7/10/2007 Duplicate	160		<35	<41	<28	<21	<42	<54	<29	<13	<26	<23	<31	<13	<25		1,200	<11

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
01/28/08	290		<80	<94	<63	<48	<97	<120	<67	<29	<59	<52	<71	<30	<58		3,700	<24
01/28/08 Duplicate	380		<81	<96	<64	<48	<98	<120	<67	<29	<60	<53	<72	<30	<58		4,600	<25
07/24/08	680		<170	<180	<130	<250	<340	<190	<140	<180	<130	<140	<200	<230	<130		6,500	<65
01/20/09	42		<17	<18	<13	<25	<34	<19Q	<14	<18	<13	<14	<20	<23	<13		840	<6.5
07/07/09	8.5		<8.1	<8.8	<6.2	<12	<16	<9.4	<6.9	<8.9	<6.1	<6.8	<9.5	<11	<6.3		190	<3.2
7/7/2009 Duplicate	8.6		<8.0	<8.7	<6.2	<12	<16	<9.3	<6.9	<8.8	<6.1	<6.8	<9.4	<11	<6.3		190	<3.1
01/18/10	99		<8.4	<9.1	<6.5	<13	<17	<9.8	<7.2	<9.3	<6.4	<7.1	<9.9	<12	<6.6		1,600	<3.3
07/15/10	380		<11	<10	<10	<8.4	<15	<12	<8.9	<8.8	<9.2	<14	<16	<7.8	<11		2,900	<4.9
01/25/11	60		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		640	<3.0
04/06/11																	680	
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		1100	<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		1100	<0.50
10/03/11																	750	
01/23/12	27		<23	<21	<21	<17	<31	<25	<18	<18	<19	<29	<33	<16	<23		460	<9.9
04/03/12																	580	
07/10/12	40 V		<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		540 V	<4.8 V
01/04/13	42		<12	<11	<11	<8.6	<16	<13	<9.2	<9.1	<9.5	<15	<17	<8	<12		560	<5.1
07/02/13	<22		<22	<20	<20	<17	<30	<24	<18	<17	<18	<28	<32	<15	<22		120	<9.7
01/22/14	<11		<11	<10	<10	<8.5	<15	<12	<9	<8.9	<9.3	<14	<16	<7.8	<11		59	<4.9
07/07/14	2.9		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		33	<3.0
01/15/15	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		92	<3.0
07/09/15	170		<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		2,000	<3.0
01/13/16	27		<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		260	<3.0
07/07/16	46		<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		570	<3.0
01/16/17	69		<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		830	<4.8
07/17/17	2.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		19	<3.0
01/10/18	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		270	<3.0
07/12/18	0.99		<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		4.5	<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		6.8	<3.0
07/15/19	120		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		1,800	<3.0
01/13/20	190 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
07/14/20	43		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		720	<3.0
10/05/20																	490	
10/5/2020 Duplicate																	500	

Notes: Prepared By: T. Dushek, 11/2/20 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 - 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		23.5	<10.5	<5.26	<5.26	<10.5		<5.26		32.3		<10.5	15.7	<10.5		16,600	74.4	
12/17/92		<1	<1	19	7.9	<1		<0.5		<0.5		<1	81.2	<1		21,300	105	
06/30/93	710		<200	<100	<100	<100	<200	<100		<100	<200	<200	<100	<200	<100	<100	10,000	
12/28/93	3,000		400	<100	320	<100	<200	<100		110	<100	<200	370	<100	<200	<100	30,000	
06/22/94	3,000		210	980	150	<100	250	<100		<100	<100	<200	<100	270	340	<100	33,000	
07/06/95	<1300		<500	<500	<500	<500	<2500		<500	<500	<500	<1000	<2500	<1000	<2500	<1300	7,700	<500
07/09/96	<10000		<10000	<10000	<10000	<10000	<20000	<10000	<10000	<10000	<10000	<20000	<10000	<10000	<20000	<10000	3,900	<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		25,000	530
06/24/98	<3000		<3000	<3000	<3000	<3000	<3000	<3000	<3000	<3000	<3000	<3000	<3000	<3000	<3000		16,000	<3000
06/08/99	<3000		<3000	<3000	<3000	<3000	<3000	<3000	<3000	<3000	<3000	<3000	<3000	<3000	<3000		14,000	<3000
07/18/00	1,125		800	<150	<150	<150	600	<150	<150	<150	<150	<150	<150	<150	400		13,000	755
01/31/01	<1500		<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500		16,000	<1500
07/11/01	530		<60	<60	<60	<60	<60	<60	<60	<60	<60	<60	90	<60	<60		5,200	<60
08/06/02	760		<600	<600	<600	<600	<600	<600	<600	<600	<600	<600	<600	<600	<600		7,000	<600
07/22/03	320		<150	340	<150	<150	<150	<150	<150	<150	<150	<150	<150	<150	<150		4,900	<150
07/13/04	30J		61	190	<30	<30	99	<30J	<30	30J	<30	<30J	<30J	<30J	64		7,400	110
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		4500 V	<600 V
07/19/06	<300		<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300		3,500	<300
07/10/07	520		<79	<93	<63	<47	<96	<120	<66	<29	<58	<52	<70	<30	<57		5,500	<24
07/23/08	650		<170	<180	<130	<260	<340	<200	<150	<190	<130	<140	<200	<240	<130		7,800	<67
07/07/09	510		<160	<180	<120	<240	<330	<190	<140	<180	<120	<140	<190	<220	<130		6,200	<63
07/14/10	640		<12	<11	<11	<8.9	<16 M	<13	<9.5	<9.3	<9.8 M	<15	<17	<8.3	<12 M		9,600	<5.2
7/14/2010 Duplicate	700		<12	<11	<11	<8.7	<16	<13	<9.3	<9.1	<9.6	<15	<17	<8.1	<12		10,000	<5.1
07/25/11	290		<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		3,500	<0.49
07/10/12	580		<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		9,200	5.1
07/05/13	460		<57	<52	<52	<43	<78	<63	<45	<45	<47	<73	<83	<40	<57		6,400	<25
07/09/14	270		<110	<100	<100	<85	<160	<130	<91	<90	<94	<150	<170	<79	<110		4,600	<50
07/09/15	330		<26	<6.2	<26	<9.3	<77	<21	<6.2	<21	<14	<21	<31	<14	<31		4,300	<6.7
07/11/16	350		<12	<51	<13	<20	<30	<41	<12	<15	<12	<17	<31	<14	<20		5,200	<24
07/18/17	250		<12	<52	<13	<21	<30	<41	<12	<15	<12	<18	<31	<14	<21		3,700	<25
7/18/2017 Duplicate	290		<12	<51	<13	<20	<30	<41	<12	<15	<12	<17	<31	<14	<20		3,800	<24
07/18/18	520 Q		<22	<20	<25	<19	<28	<20	<23	<19	<20	<22	<29	<21	<23		5,200	<25
07/18/19	530		<47	<43	<53	<41 Q	<59	<43	<49	<41	<43	<47	<61	<45	<49		4,900	<53
7/18/2019 Duplicate	490		<46	<42	<53	<40 Q	<59	<42	<48	<40	<42	<46	<61	<44	<48		4,700	<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		5,600	<3.0
10/05/20																	2,400	

Notes:

Prepared By: T. Dushek, 11/2/20

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 - 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		5.8	<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		31	<3.0	
07/18/06	39		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		27	<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																31		
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																28		
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		1.9	<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		1.1	<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		0.45	<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		2.5	<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		2	<3.0	

Notes:

Prepared By: T. Dushek, 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 - 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	4.7		<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		6.8	<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		7.2	<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		50	<3.0
07/19/11	180		<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		1,700	<0.48
07/09/12	200 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		1,800 V	<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		6.4	<3.0
07/07/14	80		<57	<52	<52	<42	<77	<62	<45	<44	<46	<72	<82	<39	<57		690	<25
07/07/15	300		<52	<13	<52	<19	<160	<42	<13	<42	<29	<42	<63	<28	<63		3,300	<14
07/11/16 7/11/2016 Duplicate	710		<12	<51	<13	<20	<29	<40	<12	<15	<12	<17	<30	<14	<20		6,600	<24
07/17/17	490		<12	<50	<13	<20	<29	<40	<12	<15	<12	<17	<30	<14	<20		5,100	<24
07/19/18 7/19/2018 Duplicate	68 Q		<23	<21	<26	<20	<29	<21	<24	<20	<21	<23	<30	<22	<24		1,100	<26
07/16/19	87		<12	<11	<13	<10 Q	<15	<11	<12	<10	<11	<12	<15	<11	<12		410	<13
07/07/20 10/05/20	240		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		1,600	<3.0
																	33	

Notes: Prepared By: T. Dushek, 11/2/20 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 - 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																	1.45	
11/15/88																	<1	
01/26/89																	<1	
04/27/89																	<1	
07/27/89																	<1	
10/26/89																	<1	
01/25/90																	1.67	
05/03/90																	1.14	
09/21/90																	2.13	
12/11/90																	<1	
01/30/91																	8.36	
05/01/91																	<1	
06/19/91																	1.33	
10/08/91																	3.61	
06/24/92		<1.02		<1.02	<0.51	<0.51	2.05		<0.51		<0.51		<1.02	<0.51	<1.02		2.08	0.583
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	<20	<1	<10	<1	<1	<1	
12/28/93	<10		<20	<10	<10	<10	<20	<10		<10	<10	<20	<10	<10	<20	<10	10	
06/22/94	<10		<20	<10	<10	<10	<20	<10		<10	<10	<20	<10	<10	<20	<10	15	
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	5.1	<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		7.2	<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		7.9	<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	<3.0		<3	<3.0
01/30/01	<3.0		13	<3.0	<3.0	<3.0	15	<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 - 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	<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	
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		3.3	<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	<0.84	<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	
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	
07/07/14	<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	
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	

Notes: Prepared By: T. Dushek, 11/2/20 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 - 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

Notes:

Prepared By: T. Dushek, 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 - 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	22.1	<1		<0.5		<0.5		<1	<0.5	<1		7,180	<0.5
08/03/92		<1		<10	11.3	<0.5	<10		<5		<5		<1	<0.5	<1		14,800	155
09/17/92		26		<1	132	29.2	15.2		<0.5		240		<1	<0.5	67		8,350	<0.5
09/13/95	<1000		<1000	<1000	<1000	<1000	<2000	<1000	<1000	<1000	<1000	<2000	<1000	<1000	<2000	<1000	1,700	<1000
07/10/96	<500		<500	<500	<500	<500	<1000	<500	<500	<500	<500	<1000	<500	<500	<1000	<500	1,800	<500
07/11/97	120		94	71	480	210	660	430	<0.194	1400	1200	440	<0.362	240	110		1,600	1600
01/02/98	57		<0.453	<0.469	310	170	430	230	<0.194	540	420	190	150	160	<0.351		480	<0.127
06/25/98	<30		<30	<30	<30	<30	<30	<30	93	46	52	<30	<30	<30	<30		190	46
01/27/99			30						89	43		33					240	60
06/09/99	<30		<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30		67.0	<30
01/11/00	<30		<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30		280	<30
07/18/00	<3		<3	<3	12.5	4.75	<3	13	130	32	9.75	52.5	<3	<3	9		65	62
01/31/01	<30		<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30		360	<30
07/11/01	11		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	3.6	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		120	<3.0
01/15/02	5.5		<3.0	3.5	<3.0	<3.0	<3.0	<3.0	12	6.8	<3.0	4.1	<3.0	<3.0	<3.0		43	3.7
08/06/02	<30		<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30		31	<30
01/15/03	14		<3.0	<3.0	5.9	4.2	4.6	<3.0	<3.0	<3.0	8.9	<3.0	<3.0	<3.0	<3.0		140	<3.0
07/22/03	4.2		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	3.2	<3.0	<3.0	<3.0	<3.0	<3.0		43	11
01/21/04	3.1J		<3.0	<3.0	<3.0J	<3.0	<3.0	<3.0	3.9	4.4	<3.0	<3.0	<3.0J	<3.0	<3.0J		45	3
07/14/04	<3.0		<3.0	<3.0	<3.0	<3.0	<4.0	<3.0J	<3.0	5.4	<3.0J	<3.0J	<3.0	<3.0	<4.0		65	22
01/20/05	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	5	<3.0	8.2	3.1 J	<3.0	<3.0	<3.0		24	4.5
07/21/05	6.5		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	4.9	<3.0	4.9	<3.0	<3.0	<3.0	<3.0		81	21
01/18/06	8.5 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	<6.0 V		89 V	<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		16	<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		11	<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		11	<3.0
7/10/2007 Duplicate	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		42	<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		8.1	<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		8.2	<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		4.1	<3.0
01/20/09	<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	<3.0
1/20/2009 Duplicate	<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	<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		8.6	<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		3	<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		7.8	<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		1.1	<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		1.2	<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		3.6	<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		6.8	<3.0
07/07/15	1.1		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		15	<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		5	<3.0
07/11/17	2.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		31	<3.0
07/12/18	2.8		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		29	<3.0
07/09/19	0.74		<3.0	<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	<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		7	<3.0

Notes:

Prepared By: T. Dushek, 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 - 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	<100	6,900	
03/10/95	<1000		<2000	<1000	<1000	1,500	<2000	<1000		3,600	10,000	3,100	<1000	<1000	<2000	<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	1,500	<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	220		<60	<54	<54	<45	<82	<65	<47	<47	<49	<76	<87	<41	<60		3,800	<26
1/17/2012 Duplicate	140		<56	<51	<51	<41	<76	<61	<44	<43	<45	<71	<81	<38	<56		2,500	<24
04/03/12																	2,200	
07/10/12	110		<11	<10	<10	<8.3	<15	<12	<8.8	<8.7	<9.1	<14	<16	<7.7	<11		1,200	<4.8
01/04/13	140		<110	<100	<100	<85	<150	<120	<90	<89	<93	<140	<160	<78	<110		2,300	<49
1/4/2013 Duplicate	<110		<110	<100	<100	<85	<160	<130	<91	<90	<94	<150	<170	<79	<110		1,800	<50
07/08/13	<110		<110	<100	<100	<83	<150	<120	<88	<87	<91	<140	<160	<77	<110		1,000	<48
01/21/14	170		<110	<100	<100	<85	<150	<120	<90	<89	<93	<140	<160	<78	<110		2,700	<49
07/08/14	<110		<110	<100	<100	<84	<150	<120	<89	<88	<92	<140	<160	<78	<110		1,100	<49
01/15/15	<100		<52	<12	<52	<19	<150	<41	<12	<41	<29	<41	<62	<28	<62		1,600	<13
07/09/15	54		<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		970 M	<3.0
01/14/16	<100		<52	<12	<52	<19	<150	<41	<12	<41	<29	<41	<62	<28	<62		1,600	<13
07/07/16	33		<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		790	<4.8
01/19/17	96		<6.2	<26	<6.7	<10	<15	<21	<6.2	<7.7	<6.2	<8.8	<15	<7.2	<10		1,700	<12
07/11/17	40		3.0	<10	<3.0	<4.0	<5.9	<8.1	<3.0	<3.0	<3.0	<3.4	<6.1	<3.0	<4.0		800	<4.8
01/09/18	53		<12	<11	<13	<10	<15	<11	<12	<10	<11	<12	<15	<11	<12		980	<13
07/12/18	26		<11	<10	<12	<9.5	<14	<10	<11	<9.5	<10	<11	<14	<10	<11		620	<12
01/21/19	30		<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		720	>5.0
1/21/2019 Duplicate	33		<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		720	<5.0
7/2019																		

Notes:

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

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

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

Notes:

Prepared By: T. Dushek, 8/7/20

Checked By: A. Voit, 11/23/20

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- 4.) M = Matrix spike and/or Matrix Spike duplicate recovery outside acceptance limits.
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- 6.) Y = Replicate/Duplicate precision outside acceptance limits.
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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	<100	32,000	
12/28/93	710		<200	150	320	260	<200	140		180	150		<200	<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	
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	<1000	<2000	<1000	<1000	<2000	<1000	9,600	<1000
03/20/96	<1000		<1000	<1000	<1000	<1000	<2000	<1000	<1000	<1000	<1000	<2000	<1000	<1000	<2000	<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	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	230		<85	<92	<66	<130	<170	<99	<73	<94	<65	<72	<100	<120	<67		2,000	<33
07/14/10	72		<44	<40	<40	<33	<61	<48	<35	<35	<36	<57	<65	<31	<44		1,200	<19
01/25/11	150		<110	<100	<100	<85	<160	<130	<91	<90	<94	<150	<170 Q	<79	<110		2,400	<50
04/05/11																	1,900	
07/20/11	64		<1.1	<1.0	<1.0	<0.85	<1.5	<1.2	<0.90	<0.89	<0.93	18	<1.6	<0.78	<1.1		790	<0.49
10/03/11																	1,500	
01/17/12	140		<57	<52	<52	<42	<77	<62	<45	<44	<46	<72	<82	<39	<57		2,700	<25
04/03/12																	7,600	
07/10/12	190 V		<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		980 V	<3.0 V
01/04/13	310		<110	<100	<100	<83	<150	<120	<88	<87	<91	<140	<160	<77	<110		3,300	<48
07/05/13	820		<110	<100	<100	<85	<160	<130	<91	<90	<94	<150	<170	<79	<110		6,600	<50
01/21/14	380		<120	<110	<110	<86	<160	<130	<92	<91	<95	<150	<170	<80	<120		4,400	<51
07/09/14	850		<230	<210	<210	<170	<310	<250	<180	<180	<190	<290	<330	<160	<230		8,300	<99
01/15/15	460		<100	<25	<100	<38	<310	<83	<25	<83	<58	<83	<130	<56	<130		8,500	<27
07/08/15	430		<100	<24	<100	<37	<310	<82	<24	<82	<57	<82	<120	<55	<120		8,800	<27
01/14/16	260		<100	<25	<100	<37	<310	<82	<25	<82	<58	<82	<120	<56	<120		5,200	<27
07/12/16	140		<24	<100	<27	<41	<59	<82	<24	<31	<24	<35	<61	<29	<41		6,000	<49
01/19/17	110		<13	<52	<14	<21	<30	<42	<13	<16	<13	<18	<31	<15	<21		2,600	<25
07/18/17	110		<24	<100	<27	<41	<59	<82	<24	<31	<24	<35	<61	<29	<41		4,100	<49
01/11/18	100		<23	<21	<26	<20	<29	<21	<24	<20	<21	<23	<30	<22	<24		2,700	<26
07/18/18	100 Q		<23	<21	<26	<20	<29	<21	<24	<20	<21	<23	<30	<22	<24		2,900	<26
01/24/19	66		<23	<21	<25	<20	<28	<21	<24	<20	<21	<23	<29	<22	<24		2,600	<25
07/15/19	26		<23	<21	<26	<20	<29	<21	<24	<20	<21	<23	<30	<22	<24		670	<26
01/22/20	39		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		950	<3
1/22/2020 Duplicate	52		<3.0	<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
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		940	<3.0

Notes: Prepared By: T. Dushek, 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 - 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	2,100	<1500	<1500	<1500	<1500	<1500	<1500	4,700	2,500	<1500	2,600	<1500	<1500	<1500	14,000	8,600
01/21/04	6,700	<3000	<3000	<3000J	<3000	<3000J	<3000	19,000	11,000	<3000	<3,000J	<3000	<3000	<3,000J	64,000	19,000
07/14/04	870J	<600	<600	<600J	<600	1,300	<600	<600	1,200	<600J	<600J	<600	<600	<800	9,600	3,900
01/20/05	1,300 V	<600 V	<600 V	<600 V	<600 V	<600 V	<600 V	2,200 V	910 V	3,100 V	770 JV	<600 V	<600 V	<600 V	11,000 V	1500 V
01/23/08	630	<160	<180	<130	<250	<330	<190	<140	<180	<120	<140	<190	<230	<130	6,500	<64
07/24/08	1,100	<160	<180	<130	<250	<330	<190	<140	<180	<130	<140	<190	<230	<130	10,000	<65
01/21/09	1,000	<170	<180	<130	<250	<340	<190Q	<140	<180	<130	<140	<200	<230	<130	9,800	<65
01/26/11	520	<230	<210	<210	<170	<310	<250	<180	<180	<190	<290	<330 Q	<160	<230	6,200	<99
07/25/11	570	<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	4,300	<0.48
01/18/12	340 M	<12	<11	<11	<8.6	<16 M	<13	9.2 MY	<9.1 Y	<9.5 M	<15	<17 MY	<8	<12 M	4,100 M	<5.1 Y
07/10/12	140	<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	1500	<3.0
01/07/13	560	<110	<100	<100	<85	<150	<120	<90	<89	<93	<140	<160	<78	<110	8,900	<49
07/08/13	430	<120	<110	<110	<88	<160	<130	<94	<92	<97	<150	<170	<82	<120	5,000	<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	5.3
07/13/10	<3
01/25/11	6.6
07/15/11	<1.1
01/17/12	<3
07/02/12	4.4
01/08/13	<3
07/10/13	<3
01/20/14	2.0
07/15/14	<3
01/19/15	2.0
07/08/15	<3
01/15/16	<3
07/11/16	0.55
01/23/17	2.10
07/20/17	0.55 B
01/09/18	<3.0
07/16/18	2.60
01/21/19	<3.0
07/16/19	2.0
01/14/20	<3.0
07/13/20	<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, 8/7/20

Checked By: A. Voit, 11/23/20

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

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

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

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 - DFOMW11

Date	Pentachlorophenol
01/19/10	3,900
07/13/10	4,800
01/25/11	3,100
07/15/11	5,000
01/17/12	2,200
07/02/12	4,200
7/2/2012 Duplicate	4,000
01/08/13	3,300
07/10/13	580
01/20/14	2,400
1/20/14 Duplicate	3,000
07/15/14	5,800
01/19/15	3,100
07/08/15	5,300
01/15/16	3,100
07/11/16	2,900
01/23/17	2,800
07/20/17	810
01/09/18	1,300
07/16/18	4,100
01/21/19	890
07/16/19	240
01/14/20	410
07/13/20	580

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, 8/7/20

Checked By: A. Voit, 11/23/20

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

Date	Pentachlorophenol
01/19/10	3,600
07/13/10	2,600
01/25/11	7,900
1/25/2011	
Duplicate	7,300
07/15/11	4,800
7/15/2011	
Duplicate	3,000
01/17/12	7,600
1/17/2012	
Duplicate	8,400
07/02/12	9,500
01/08/13	5,400
1/8/2013	
Duplicate	5,500
07/10/13	6,100
7/10/2013	
Duplicate	5,800
07/15/14	5,200
7/15/2014	
Duplicate	6,100
01/19/15	10,000
1/19/2015	
Duplicate	10,000
07/08/15	4,500
7/8/2015	
Duplicate	4,500
01/19/16	5,900
07/11/16	4,900
7/11/2016	
Duplicate	4,800
01/23/17	5,000
1/23/2017	
Duplicate	4,500
07/20/17	2,300
7/20/2017	
Duplicate	2,800
01/09/18	2,400
1/9/2018	
Duplicate	2,600
07/16/18	2,300
7/16/2018	
Duplicate	1,700
01/21/19	3,300
1/21/2019	
Duplicate	3,500
07/16/19	400
7/16/2019	
Duplicate	390
01/14/20	1,500
1/14/2020	
Duplicate	1,400
07/13/20	520
7/13/2020	
Duplicate	450

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, 8/7/20

Checked By: A. Voit, 11/23/20

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	2.1
01/09/20	<3.0
07/06/20	<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, 8/7/20

Checked By: A. Voit, 11/23/20

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

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, 8/7/20

Checked By: A. Voit, 11/23/20

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	

Notes:

Prepared By: T. Dushek, 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 - 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

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, 8/7/20

Checked By: A. Voit, 11/23/20

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	<1	<1	<0.2	<0.2	<0.2	<4	<0.20	<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	<1.5	1.0	0.3	0.3	0.3	3	0.54	<1.5	<0.50	<1.0	<0.50	<0.60	<0.50	<0.50	<0.60	<0.50	<0.60	<0.21	<0.29									
1,1,2,2-Tetrachloroethane	<5	<50	<5	<1	<1	<1	<1	1.5	<1	<0.2	<0.2	<0.2	<4	<0.20	<2.0	<0.80	<1.6	<0.80	<0.15	<0.13	<0.14	3.5	<0.14	<0.19	<0.30										
1,1,2-Trichloroethane	<5	<50	<5	<1	<1	<1	<1	<1	<1	<1	<0.2	<0.2	<2	<0.10	<1.0	<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	<0.2	<0.2	<0.2	<4	<0.10	<1.0	<0.50	<1.0	<0.50	<0.50	<0.40	<0.40	<0.40	<0.40	<0.40	<0.20	<0.28									
1,1-Dichloroethene	<5	<50	<5	<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	<0.30	<0.40	<0.40	<0.40	<0.40	<0.24	<0.29									
1,1-Dichloropropene				<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	<0.50	<0.50	<0.50	<0.24	<0.40										
1,2,3-Trichlorobenzene				<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	<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	<0.40	<0.30	<0.30									
1,2,4-Trimethylbenzene				140	430	68	320		89.6	300	290	100	130	2.8	180	45	34	18	<0.40	15	3	3.8	23	16	16		18	9	8.1	8	5.5	16	4.1	0.66	
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	<0.3	<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	<0.23	<0.40										
1,2-Dichloroethane	<5	<50	<5	<1	<1	<1	<1	<1	<1	<0.2	<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	<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	<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	<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				38	110	21	130		14.4	130	140	150	97	0.45	97	35	21	10	<0.50	12	2.3	2.5	27	17	16										
1,3-Dichlorobenzene				<1	<1	<1	<1	<1	<1	<0.7	<0.4	<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	<0.3	<2	<0.10	<1.0	<0.60	<1.2	<0.60	<0.12	<0.15	<0.14	<0.14	<0.14	<0.19	<0.28										
1,3-Dichloropropane				<1	<1	<1	<1	<1	<1	<0.3	<0.6	<0.6	<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	<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	<0.3	<0.3	<0.3	<4	<0.10	<2.0	<0.50	<1.0	<0.50	<0.50	<0.60	<0.50	<0.50	<0.50	<0.23	<0.30										
2,2-Dichloropropane				<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	<0.60	<0.30	<0.30	<0.30	<0.25	<0.28										
2-Butanone (MEK)	<10	<100	<10							<0.2	<0.5	<0.5	<2	<0.20	<1.0	<0.60	<1.2	<0.60	<0.60	<0.60	<0.30	<0.30	<0.30	<0.25	<0.28										
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	2230	11.7																	<9.0	<10.0	<7.0	<7.0	<7.0	<5.0	<5.0									
Benzene	<5	<50	<5	<1	<1	<1	<1	<1	<1	<0.2	<0.3	<0.3	<1	<0.10	<0.5	0.51	<0.80	<0.40	<0.40	<0.40	<0.16	<0.16	<0.16	<0.19	<0.30										
Bromobenzene				<1	<1	<1	<1			<1	<0.3	<0.2	<0.2	<5	<0.10	<2.5	<0.50	<1.0	<0.50	<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	<0.50	<0.70	<0.21	<0.21	<0.21	<0.22	<0.40									
Bromodichloromethane	<5	<50	<5	<1	<1	<1	<1	<1	<1	<0.2	<0.2	<0.2	<2	0.20	<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	<0.2	<1	<0.20	<0.5	<0.60	<1.2	<0.60	<0.50	<0.21	<0.50	<0.50	<0.50	<0.22	<0.24										
Bromomethane	<10	<100	<10	<2		<2	<2	<2	<2	<0.3	<0.9	<0.9	<4	<0.40	<2.0	<0.80	<1.6	<0.80	<0.80	<0.90	<0.40	<0.40	<0.40	<0.50	<0.30										
n-Butylbenzene				34	130	28	140		15.2	160	180	150	170	0.32	31	70	48	18	14	11	2.2	<0.24	16	6.7	7.9										
sec-Butylbenzene				12	24	8.7	32		3.8	14	48	31	18	4.2	<0.5	12	5.6	3.8	8	5.7	2.8	2.4	4.5	5.2	2.9										
tert-Butylbenzene				<1	<1	<1	48		<1	<0.3	<0.3	<0.3	<1	1.3		<0.50	<1.0	<0.50	5.6	3.3	1	1.4	3	2.3	1.9										

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												170				<1.1	<1.0	<0.50	<0.50	<0.50	<0.50											
Carbon tetrachloride	<5	<50	<5	<1	<1	<1	<1	<1	<1	<0.2	<0.4	<0.4	<3	<0.10	<1.5	<0.60	<1.2	<0.60	<0.50	<0.50	<0.40	<0.40	<0.40	<0.23	<0.40										
Chlorobenzene	<5	<50	<5	<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	<0.30	<0.24	<0.30									
Dibromochloromethane	<5	<50	<5	<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	<0.4	<0.8	<0.8	<5	0.58	<2.5	<0.50	<1.0	<0.50	<0.70	1.2	0.48	1.2	<0.40	<0.40	<0.30										
Chloroform	6.19	<50	<5	5.2	5.2	4.2	1.4	1.1	2.3	<0.2	<0.2	<0.2	<5	4.2	<2.5	<0.60	<1.2	<0.60	1.3	0.61	0.41	0.23	<0.22	0.57	<0.23										
Chloromethane	<10	<100	<10	<2	<2	<2	<2	<2	<2	<0.7	<0.9	<0.9	<3	0.27	<1.5	<0.40	<0.80	<0.40	<0.24	0.32	<0.30	<0.30	0.56B	<0.40	<0.40										
Dibromomethane				<1	<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	<0.26	<0.30										
Diisopropyl Ether				<1	<1	<1	<1	<1	<1	<0.3	<1	<0.10	<0.10	<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	<0.2	<0.2	<0.2	<1	<0.10	<0.5	<0.50	<1.0	<0.50	<0.50	<0.40	<0.28	<0.28	<0.28	<0.22	<0.29										
Hexachlorobutadiene				<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				26	25	4.2	27		3.1	<0.2	38	12	<1	0.47	16	6.1	1.1	2	<0.40	<0.60	<0.20	0.91	0.31	<0.18	<0.30										
p-Isopropyltoluene				<1	39	9.7	50		4.0	24	67	60	34	0.89	47	18	11	5	<0.40	15	3.2	3.4	15	11	10										
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	116	14.1	<3	<3	<3	<3	<3	<3	<0.3	<0.5	<0.5	<19	<0.40	<9.5	<1.0	<2.0	3 J,A,B,Q	<0.40	<1.0	<0.50	<0.50	<0.50	<0.40	<0.40										
Naphthalene	<11	<10	<10	6	38	4.2	19	2.9	3.8	<0.8	17	7.5	<7	0.89	6.9 e	0.95	<1.0	0.95 J	<0.60	<0.70	<0.60	<0.60	1.3	<0.40	<0.40	<0.31	2.7	1.5	1.3	1.2	1.1	1.9	1.1	<0.90	
n-Propylbenzene				7	25	5.2	23		5.0	<0.3	76	10	<3	0.47	15	6	2.4	1.9	<0.40	0.57	0.26	0.27	0.61	0.5	0.4										
Styrene	<5	<50	<5	4.4		<1	<1		<1	<0.2	<0.2	<0.2	<2	<0.10	<1.0	14	4.5	4.7	<0.50	<0.30	<0.30	<0.30	<0.30	<0.20	<0.40										
Tetrachloroethene	<5	<50	<5	<1	<1	<1	6.3	<1	<1	<0.3	<0.6	<0.6	<4	<0.10	<2.0	4.7	1.5	1.6	<0.40	<0.29	<0.40	<0.40	<0.40	<0.30	<0.30										
Tetrahydrofuran																0.60	<7.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<3.0	<4.0										
Toluene	<5	<50	<5	<1	<1	<1	<1	<1	<1	<0.2	<0.2	<0.2	<1	<0.20	<0.5	0.95	<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	<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	<0.15	<0.21	<0.40									
Trichlorofluoromethane				<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	15	2.8	15	<2	4.6	<0.4	24	<0.3	<2	<0.20	4.4	2.5	<1.2	<0.60	<1.0	<0.9	<0.50	<0.50	<0.50	<0.50	<0.60	<0.90	<1.0	<1.1	0.81	<0.80	<0.80	<0.80	<0.80	<0.80	
Xylene, o-				8.9	30	6.3	49	1.4	7.4	<0.2	<0.5	24	<1	0.16	<0.5	<0.50	<1.0	<0.50	<0.40	<0.60	<0.50	<0.50	<0.50	<0.24	<0.29										
Xylenes, Total	5.88	<50	18.3																	<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	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
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	<17.5	<17.5	<3.8	4.5															
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				490	850		623.6	1400	1300	740	510	1300	1200	600	520			600	680	710	750	880	110	130	1000	970	370	380	210	220
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				120	200		21,291	420	415	360	300	530	530	260	200															
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	1620	16.8									<450	<450	<100	<50															
Benzene	<5	<50	<5	2.8	4	<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	<4.0Q	<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				85	140		91.59	140	180	260	230	160	31	31	21															
sec-Butylbenzene				36	43		<10	30	72.5	31	35	59	18	18	14															
tert-Butylbenzene				<1	<1		<10	<0.3	<0.3	<10	<10	<25	<25	<4.0	6.2															

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	7/12/2018	7/12/2018 Duplicate	7/11/2019	7/11/2019 Duplicate	7/14/2020	7/14/2020 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	6.24	<50	<5	3.2	4.3	<20	<10	<0.2	<0.2	<12	<12	<25	<25	<3.0	<2.3															
Chloromethane	<100	<100	<10	<2	<2	<40	<20	<0.7	<0.9	<8.0	<8.0	<12	<12	<8.0	<4.0															
Dibromomethane				<1	<1	<10	<10	<0.1	<0.2	<10	<10	<35	<35	<4.8	<3.0															
Dichlorodifluoromethane				<2	<2	<20	<10	<0.3	<1.2	<10	<10	<30	<30	<5.2	<3.0															
Diisopropyl ether										<10	<10	<25	<25	<4.0	<3.0															
Ethylbenzene	25.1	<50	25.2	17	18	<20	<10	35	67.5	<10	<10	<25	9.7	9.7	11															
Hexachlorobutadiene				<1	<1	<10	<0.5	<0.6	<10	<10	<30	<30	<6.0	<4.0																
Isopropylbenzene				38	35	11	60	85	21	22	29	29	<3.6	22																
p-Isopropyltoluene				<1	<1	<10	<0.4	72.5	48	47	80	87	25	26																
Methyl tert-butyl ether (MTBE)										<10	<10	<30	<30	<5.8	<3.0															
Methylene chloride	<5	745	10.4	<3	<3	<60	<30	<0.3	<0.5	<20	92	28	25	25	9.2 B															
Naphthalene	55.4	84.6	74	140	49	73	85	180	195	120	93	150 A	140 A	85	82	49	45	90	89	87	91	110	10	12	100	100	39	40	10	<9.0
n-Propylbenzene				43	49		67.52	<0.3	140	46	31	48	47	24	35															
Styrene	<5	<50	<5	16	<1	<10	<0.2	<0.2	24	<10	<25	<25	<4.0	<3.0																
Tetrachloroethene	<5	<50	<5	<1	7.6	<20	<10	<0.3	<0.6	<10	<10	<20	<20	<6.0	<3.0															
Tetrahydrofuran												<350	<350	<60	<40															
Toluene	5.61	<50	<5	3.5	3.8	<20	<10	<0.2	40	<10	<10	<20	<20	<4.4	<3.0															
Trichloroethene	51.1	<50	27.6	16	10	<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-				83	52	<40	155	180	210	35	24	<50	<50	25	23			17	<20	<22	31	49	<4.0	<4.0	24	23	<16	<16	<8	<8
Xylene, o-				170	200	97	218	550	440	280	240	290	270	160	120			83	91	90	95	120	69	64	110	100	39	43	13	10
Xylenes, Total	181	257	292	253	252	97	373	730	650	315	264	290	270	185	143			100	91	90	126	169	69	64	134	123	39	43	13	10

Prepared By: T. Dushek, 8/7/20

Checked by: A. Voit, 11/23/20

NOTES:

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Bold values indicate detections

A = Analyte averaged calibration criteria within acceptable limit

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
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	1,400	630		470	650	490	500	390	310	700	440	730	500
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	500	92											
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	48	<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	94	25											
sec-Butylbenzene	71	37											
tert-Butylbenzene	13	11											
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	18	13											
Hexachlorobutadiene	<6.0	<8.0											
Isopropylbenzene	22	41											

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
p-Isopropyltoluene	78	18											
Methyl tert-butyl ether	<5.8	<6.0											
Methylene chloride	19	23 B											
Naphthalene	95	55	18	47	40	34	38	25	27	53	11	46	43
n-Propylbenzene	74	33											
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-	55	21		16	<20	<20	<22	<22	21	18	<8.0	<16	27
Xylene, o-	200	87		72	90	66	67	45	59	100	25	96	84
Xylenes, Total	255	108		88	90	66	67	45	80	118	25	96	111

Prepared By: T. Dushek, 8/7/20

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 - 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
1,1,1,2-Tetrachloroethane				<1		<1	<1		<1	<0.1	<0.3	<0.3	<0.4	<0.20	<0.4	<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
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
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
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
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
1,1-Dichloropropene				<1		<1	<1		<1	<0.2	<0.3	<0.3	<0.4	<0.20	<0.4	<0.50
1,2,3-Trichlorobenzene				<1	<1	<1	<1	<1	<1	<0.5	<0.4	<0.4	<0.5	<0.30	<0.5	<0.50
1,2,3-Trichloropropane				<1		<1	<1		<1	<0.3	<0.2	<0.2	<0.3	<0.10	<0.3	<0.80
1,2,4-Trichlorobenzene				<1	<1	<1	<1	<1	<1	<0.5	<0.3	<0.3	<0.5	<0.30	<0.5	<0.50
1,2,4-Trimethylbenzene				<1	5	3.8	8.2		4.6	0.7	5.8	1.3	<0.2	<0.10	<0.2	<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
1,2-Dibromoethane				<2	<2	<2	<2		<2	<0.2	<0.4	<0.4	<0.3	<0.10	<0.3	<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
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
cis-1,2-Dichloroethene				<1	<1	<1	<1	<1	<1	<0.2	<0.2	<0.2	<0.4	<0.20	<0.4	<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
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
1,3,5-Trimethylbenzene				<1	2.4	1.8	3.3		2.4	<0.4	3.2	1.3	<0.3	<0.10	<0.3	<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
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
1,3-Dichloropropane				<1	<1	<1	<1		<1	<0.3	<0.6	<0.6	<0.4	<0.10	<0.4	<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
1,4-Dichlorobenzene				<1	<1	<1	<1	<1	<1	<0.3	<0.3	<0.3	<0.4	<0.10	<0.4	<0.50
2,2-Dichloropropane				<1	<1	<1	<1		<1	<0.2	<0.5	<0.5	<0.2	<0.20	<0.2	<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
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
4-Methyl-2-Pentanone (MIBK)	<10	<100	<10													
Acetone	12.3	1040	<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
Bromobenzene				<1	<1	<1	<1		<1	<0.3	<0.2	<0.2	<0.5	<0.10	<0.5	<0.50
Bromochloromethane				<1		<1	<1		<1	<0.4	<0.2	<0.2	<0.4	<0.10	<0.4	<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

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
Bromoform	<5	<50	<5	<1		<1	<1	<1	<1	<0.3	<0.2	<0.2	<0.1	<0.20	<0.1	<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
n-Butylbenzene				<1	<1	1.6	3		3.6	<0.6	3.2	3.1	<0.4	<0.10	<0.4	<0.50
sec-Butylbenzene				<1	1.6	<1	<1		1.1	<0.3	1.1	<0.2	<0.3	<0.20	<0.3	<0.50
tert-Butylbenzene				<1	<1	<1	<1		<1	<0.3	<0.3	<0.3	<0.1	<0.10	<0.1	<0.50
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
Chlorobenzene	<5	<50	<5	<1	<1	<1	<1	<1	<1	<0.3	<0.3	<0.3	<0.3	<0.10	<0.3	<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
Chloroethane	<10	<100	<10	<2	<10	<2	<2	<2	<2	<0.4	<0.8	<0.8	<0.5	<0.40	<0.5	<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
Chloromethane	<10	<100	<10	<2	<20	<2	<2	<2	<2	<0.7	<0.9	<0.9	<0.3	<0.20	<0.3	<0.40
Dibromomethane				<1		<1	<1		<1	<0.1	<0.2	<0.2	<0.4	<0.20	<0.4	<0.50
Dichlorodifluoromethane				<2	<40	<2	<2		<2	<0.3	<1.2	<1.2	<0.5	<0.10	<0.5	<0.50
Diisopropyl Ether					<1							<0.3	<0.1	<0.10	<0.1	<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
Hexachlorobutadiene				<1	<1	<1	<1		<1	<0.5	<0.6	<0.6	<0.6	<0.20	<0.6	<0.50
Isopropylbenzene				<1	<1	<1	<1		<1	<0.2	0.8	<0.2	<0.1	<0.10	<0.1	<0.50
p-Isopropyltoluene				<1	<1	<1	<1		1.6	<0.4	1.4	0.8	<0.2	<0.10	<0.2	<0.50
Methyl tert-butyl ether					<1							<0.2	<1.1	<0.30	<1.1	<0.50
Methylene chloride	<5	534	<10	<3	<3	<3	<3	<3	<3	<0.3	<0.5	<0.5	<1.9	<0.40	<1.9	<1.0
Naphthalene	<10	91.6	<10	<1	1.5	<1	<1	<1	1.4	<0.8	1.3	<1.1	<0.7	<0.20	<0.7	<0.50
n-Propylbenzene				<1	<1	<1	<1		1.1	<0.3	1.1	<0.2	<0.3	<0.10	<0.3	<0.50
Styrene	<5	<50	<5	<1		<1	<1		<1	<0.2	<0.2	<0.2	<0.2	<0.10	<0.2	<0.50
Tetrachloroethene	<5	<50	<5	<1	<1	<1	<1	1.3	<1	<0.3	<0.6	<0.6	<0.4	<0.10	<0.4	<0.50
Tetrahydrofuran																
Toluene	<5	<50	<5	<1	<1	<1	<1	<1	<1	<0.2	<0.2	<0.2	<0.1	<0.20	<0.1	<0.50
Trichloroethene	<5	<50	<5	<1	8.9	<1	2.2	1.8	4.4	1	3.5	0.3	0.55	0.76	0.46 e	2.1
Trichlorofluoromethane				<1	<1	<1	<1	<1	<1	<0.5	<0.6	<0.6	<0.4	<0.20	<0.4	<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
Xylene, o-				<1	6.4	<1	1.9	<1	2.2	<0.2	<0.5	<0.5	<0.1	<0.20	<0.2	<0.60
Xylene, m & p-				<2	<2	<2	<2	<2	<2	<0.4	1.4	<0.3	<0.2	<0.10	<0.1	<0.50
Xylenes, Total	<5	<50	<5	<3	6.4	<3	1.9	<3	2.2	<0.6	1.4	<0.8	<0.3			

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

Parameter	07/24/03	07/13/04	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
1,1,1,2-Tetrachloroethane	<0.90	<0.90	<0.50	<0.70	<0.60	<0.60	<0.60	<0.24	<0.40									
1,1,1-Trichloroethane	<0.50	<0.50	<0.60	<0.50	<0.60	<0.60	<0.60	<0.21	<0.29									
1,1,2,2-Tetrachloroethane	<0.80	<0.80	<0.15	<0.13	<0.14	<0.14	<0.14	<0.19	<0.30									
1,1,2-Trichloroethane	<0.90	<0.90	<0.40	<0.50	<0.50	<0.50	<0.50	<0.26	<0.30									
1,1-Dichloroethane	<0.50	<0.50	<0.50	<0.40	<0.40	<0.40	<0.40	<0.20	<0.28									
1,1-Dichloroethene	<0.40	<0.40	<0.50	<0.30	<0.40	<0.40	<0.40	<0.24	<0.29									
1,1-Dichloropropene	<0.50	<0.50	<0.50	<0.60	<0.50	<0.50	<0.50	<0.24	<0.40									
1,2,3-Trichlorobenzene	<0.50	<0.50	<0.60	<0.50	<0.50	<0.50	<0.50	<0.30	<0.40									
1,2,3-Trichloropropane	<0.80	<0.80	<0.60	<0.70	<0.30	<0.30	<0.30	<0.21	<0.40									
1,2,4-Trichlorobenzene	<0.50	<0.50	<0.70	<0.70	<0.40	<0.40	<0.40	<0.30	<0.30									
1,2,4-Trimethylbenzene	<0.50	<0.50	<0.40	<0.50	<0.24	<0.24	<0.24	12	11		<0.40	<0.60	<0.50	<0.40	0.54	<0.40	<0.40	<0.40
1,2-Dibromo-3-chloropropane	<0.40	<0.40	<1.1	<0.30	<0.40	<0.40	<0.40	<0.40	<0.50									
1,2-Dibromoethane	<0.30	<0.30	<0.60	<0.50	<0.13	<0.13	<0.13	<0.16	<0.30									
1,2-Dichlorobenzene	<0.70	<0.70	<0.50	<0.50	<0.40	<0.40	<0.40	<0.23	<0.40									
1,2-Dichloroethane	<0.90	<0.90	<0.50	<0.50	<0.30	<0.30	<0.30	<0.30	<0.30									
cis-1,2-Dichloroethene	<0.50	<0.50	<0.60	<0.40	<0.40	<0.40	<0.40	0.58	0.4									
trans-1,2-Dichloroethene	<0.40	<0.40	<0.60	<0.40	<0.50	<0.50	<0.50	<0.25	<0.30									
1,2-Dichloropropane	<0.40	<0.40	<0.50	<0.50	<0.21	<0.21	<0.21	<0.22	<0.29									
1,3,5-Trimethylbenzene	<0.50	<0.50	<0.50	<0.40	<0.19	<0.19	<0.19	1.6	<0.30									
1,3-Dichlorobenzene	<0.50	<0.50	<0.50	<0.40	<0.40	<0.40	<0.40	<0.26	<0.30									
cis-1,3-Dichloropropene	<0.60	<0.60	<0.12	<0.15	<0.14	<0.14	<0.14	<0.19	<0.28									
1,3-Dichloropropane	<1.2	<1.2	<0.60	<0.50	<0.19	<0.19	<0.19	<0.23	<0.30									
trans-1,3-Dichloropropene	<0.70	<0.70	<0.14	<0.14	<0.14	<0.14	<0.14	<0.19	<0.30									
1,4-Dichlorobenzene	<0.50	<0.50	<0.50	<0.60	<0.50	<0.50	<0.50	<0.23	<0.30									
2,2-Dichloropropane	<0.60	<0.60	<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	<0.60	<0.60	<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	<0.60	<0.60	<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	<0.40	<0.40	<0.16	<0.16	<0.16	<0.19	<0.30									
Bromobenzene	<0.50	<0.50	<0.50	<0.60	<0.30	<0.30	<0.30	<0.20Q	<0.30									
Bromochloromethane	<0.50	<0.50	<0.50	<0.70	<0.21	<0.21	<0.21	<0.22	<0.40									
Bromodichloromethane	<0.40	<0.40	<0.13	<0.15	<0.19	<0.19	<0.19	<0.20	<0.30									

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

Parameter	07/24/03	07/13/04	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
Bromoform	<0.60	<0.60	<0.50	<0.21	<0.50	<0.50	<0.50	<0.22	<0.24									
Bromomethane	<0.80	<0.80	<0.80	<0.90	<0.40	<0.40	<0.40	<0.50	<0.30									
n-Butylbenzene	<0.50	14	<0.60	<0.40	<0.24	<0.24	<0.24	0.57	0.38									
sec-Butylbenzene	<0.50	8	<0.50	<0.50	<0.29	<0.29	<0.29	3.6	2.3									
tert-Butylbenzene	<0.50	5.6	<0.50	<0.50	<0.23	<0.23	<0.23	0.88	1.1									
Carbon disulfide			<1.1	<1.0	<0.50	<0.50	<0.50	<0.50	<0.60									
Carbon tetrachloride	<0.60	<0.60	<0.50	<0.50	<0.40	<0.40	<0.40	<0.23	<0.40									
Chlorobenzene	<0.80	<0.80	<0.50	<0.40	<0.30	<0.30	<0.30	<0.24	<0.30									
Chlorodibromomethane	<0.40	<0.40	<0.60	<0.60	<0.23	<0.23	<0.23	<0.19	<0.26									
Chloroethane	<0.50	<0.50	<0.70	<0.60	<0.40	<0.40	<0.40	<0.40	<0.30									
Chloroform	<0.60	<0.60	<0.50	<0.50	0.3	0.88	0.36	0.93	1.2									
Chloromethane	<0.40	<0.40	<0.24	<0.30	<0.30	<0.30	0.93B	<0.40	<0.40									
Dibromomethane	<0.50	<0.50	<0.70	<0.80	<0.40	<0.40	<0.40	<0.24	<0.30									
Dichlorodifluoromethane	<0.50	<0.50	<0.60	<0.29	<0.40	<0.40	<0.40	<0.26	<0.30									
Diisopropyl Ether	<0.50	<0.50	<0.50	<0.40	<0.50	<0.50	<0.50	<0.20	<0.30									
Ethylbenzene	<0.50	<0.50	<0.50	<0.50	<0.28	<0.28	<0.28	1.7	0.31									
Hexachlorobutadiene	<0.50	<0.50	<0.60	<0.90	<0.60	<0.60	<0.60	<0.30	<0.40									
Isopropylbenzene	<0.50	<0.50	<0.40	<0.60	<0.20	<0.20	<0.20	3	0.96									
p-Isopropyltoluene	<0.50	<0.50	<0.40	<0.40	<0.17	<0.17	<0.17	<0.23	<0.30									
Methyl tert-butyl ether	<0.50	<0.50	<0.60	<0.40	<0.23	<0.23	<0.23	<0.29	<0.30									
Methylene chloride	<1.0	3.1 J,A,B,Q	<0.40	<1.0	<0.50	<0.50	<0.50	<0.40	<0.40									
Naphthalene	<0.50	<0.50	<0.60	<0.70	<0.60	<0.60	<0.60	3.9	2.2	<0.32	<0.50	<1.2	<0.50	<0.90	<0.90	<0.90	<0.90	<0.90
n-Propylbenzene	<0.50	<0.50	<0.40	<0.40	<0.20	<0.20	<0.20	3.8	0.81									
Styrene	<0.50	<0.50	<0.50	<0.50	<0.30	<0.30	<0.30	<0.20	<0.30									
Tetrachloroethene	<0.50	<0.50	<0.40	<0.29	<0.40	<0.40	<0.40	0.33	<0.30									
Tetrahydrofuran		0.60	<7.0	<7.0	<4.0	<4.0	<4.0	<3.0	<4.0									
Toluene	<0.50	<0.50	<0.40	<0.40	<0.20	<0.20	<0.20	<0.22	<0.30									
Trichloroethene	2.1	<0.15	3.6 M	2.8	2.9	7.7	3.4	8.8	6.5									
Trichlorofluoromethane	<0.40	<0.40	<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	<0.30	<0.30	<0.12	<0.15	<0.15	<0.15	<0.15	<0.18	<0.19									
Xylene, o-	<0.60	<0.60	<0.40	<0.9	<0.50	<0.50	<0.50	0.5	3.2		<0.90	<1.0	<1.1	<0.80	<0.80	<0.80	<0.80	<0.80
Xylene, m & p-	<0.50	<0.50	<1.0	<0.60	<0.50	<0.50	<0.50	15	<0.60		<0.50	<0.50	<0.50	<0.40	<0.40	<0.40	<0.40	<0.40
Xylenes, Total				<1.5	<1.0	<1.0	<1.0	15.5	3.2		<1.4	<1.5	<1.6	<1.2	<1.2	<1.2	<1.2	<1.2

Prepared By: T. Dushek, 8/7/20

Checked by: A. Voit, 11/23/20

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
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
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
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	7.6	5.9											
Hexachlorobutadiene	<50	<30	<30	<7.5	<2.0											
Isopropylbenzene	<50	45	53	8.1	17											
p-Isopropyltoluene	66	76	110	51	27											
Methyl tert-butyl ether	<50	<12	<12	<7.3	<1.5											
Methylene chloride	<100	<25	<25	33	2.3 B											
Naphthalene	200	100	110	96	36	2.1	25	26	11	12	12	1.6	<0.90	2.4	17	<0.90
n-Propylbenzene	78	74	96	79	28											
Styrene	<50	<15	<15	<5.0	<1.5											
Tetrachloroethene	<50	<20	<20	7.7	4.8											
Tetrahydrofuran		<200	<200	<75	<20											
Toluene	<50	<10	<10	<5.5	<1.5											
Trichloroethene	<60	<7.5	<7.5	<5.3	22											
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-	82	40	42	22	12		<9.0	<9.0	2.7	5.7	5.7	1.5	<0.80	<0.80	12	<0.80
Xylene, o-	300	190	210	170	93		48	45	40	41	41	9.2	1.5	11	54	2
Xylenes, Total	382	230	252	192	105		48	45	42.7	46.7	46.7	10.7	1.5	11	66	2

Prepared By: T. Dushek, 8/7/20

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 - 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
1,1,1,2-Tetrachloroethane				<1		<1	<1		<1	<0.1	<0.3	<0.3	<0.4	<0.20	<0.4
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
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
1,1,2-Trichloroethane	<5	<50	<5	<1	<1	<1	<1	<1	<1	<1	<0.2	<0.2	<0.2	<0.10	<0.2
1,1-Dichloroethane	<5	<50	<5	<1	<1	<1	<1	<1	<1	<0.2	<0.2	<0.2	<0.4	<0.10	<0.4
1,1-Dichloroethene	<5	<50	<5	<1	<1	<1	<1	<1	<1	<0.4	<0.2	<0.2	<0.9	<0.20	<0.9
1,1-Dichloropropene				<1		<1	<1		<1	<0.2	<0.3	<0.3	<0.4	<0.20	<0.4
1,2,3-Trichlorobenzene				<1	<1	<1	<1		<1	<0.5	<0.4	<0.4	<0.5	<0.30	<0.5
1,2,3-Trichloropropane				<1		<1	<1		<1	<0.3	<0.2	<0.2	<0.3	<0.10	<0.3
1,2,4-Trichlorobenzene				<1	<1	<1	<1		<1	<0.5	<0.3	<0.3	<0.5	<0.30	<0.5
1,2,4-Trimethylbenzene				<1	<1	<1	<1		<1	<0.7	<0.6	<0.6	<0.2	<0.10	<0.2
1,2-Dibromo-3-chloropropane				<3	<3	<3	<3		<3	<0.3	<0.3	<0.3	<0.3	<0.40	<0.3
1,2-Dibromoethane				<2	<2	<2	<2		<2	<0.2	<0.4	<0.4	<0.3	<0.10	<0.3
1,2-Dichlorobenzene				<1	<1	<1	<1	<1	<1	<0.3	<0.3	<0.3	<0.3	<0.20	<0.3
1,2-Dichloroethane	<5	<50	<5	<1	<1	<1	<1	<1	<1	<0.2	<0.2	<0.2	<0.4	<0.20	<0.4
cis-1,2-Dichloroethene				<1	<1	<1	<1	<1	<1	<0.2	<0.2	<0.2	<0.4	<0.20	<0.4
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
1,2-Dichloropropane	<5	<50	<5	<1	<1	<1	<1	<1	<1	<0.1	<0.2	<0.2	<0.3	<0.20	<0.3
1,3,5-Trimethylbenzene				<1	<1	<1	<1		<1	<0.4	<0.3	<0.3	<0.3	<0.10	<0.3
1,3-Dichlorobenzene				<1	<1	<1	<1	<1	<1	<0.7	<0.4	<0.4	<0.4	<0.10	<0.4
cis-1,3-Dichloropropene	<5	<50	<5	<1		<1	<1	<1	<1	<0.3	<0.3	<0.3	<0.2	<0.10	<0.2
1,3-Dichloropropane				<1	<1	<1	<1		<1	<0.3	<0.6	<0.6	<0.4	<0.10	<0.4
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
1,4-Dichlorobenzene				<1	<1	<1	<1	<1	<1	<0.3	<0.3	<0.3	<0.4	<0.10	<0.4
2,2-Dichloropropane				<1	<1	<1	<1		<1	<0.2	<0.5	<0.5	<0.2	<0.20	<0.2
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
2-Hexanone	<10	<100	<10												
4-Chlorotoluene				<1	<1	<1	<1		<1	<0.3	<0.3	<0.3	<0.3	<0.20	<0.3
4-Methyl-2-Pentanone (MIBK)	<10	<100	<10												
Acetone	<10	1980	<10												
Benzene	<5	<50	<5	<1	<1	<1	<1	<1	<1	<0.2	<0.3	<0.3	<0.1	<0.10	<0.1
Bromobenzene				<1	<1	<1	<1		<1	<0.3	<0.2	<0.2	<0.5	<0.10	<0.5
Bromochloromethane				<1		<1	<1		<1	<0.4	<0.2	<0.2	<0.4	<0.10	<0.4
Bromodichloromethane	<5	<50	<5	<1	<1	<1	<1	<1	<1	<0.2	<0.2	<0.2	<0.2	<0.10	<0.2

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
Bromoform	<5	<50	<5	<1		<1	<1	<1	<1	<0.3	<0.2	<0.2	<0.1	<0.20	<0.1
Bromomethane	<10	<100	<10	<2		<2	<2	<2	<2	<0.3	<0.9	<0.9	<0.4	<0.40	<0.4
n-Butylbenzene				<1	<1	<1	<1		<1	<0.6	<0.3	<0.3	<0.4	<0.10	<0.4
sec-Butylbenzene				<1	<1	<1	<1		<1	<0.3	<0.2	<0.2	<0.3	<0.20	<0.3
tert-Butylbenzene				<1	<1	<1	<1		<1	<0.3	<0.3	<0.3	<0.1	<0.10	<0.1
Carbon disulfide	<5	<50	<5											<0.10	<0.3
Carbon tetrachloride	<5	<50	<5	<1	<1	<1	<1	<1	<1	<0.2	<0.4	<0.4	<0.3		
Chlorobenzene	<5	<50	<5	<1	<1	<1	<1	<1	<1	<0.3	<0.3	<0.3	<0.3	<0.10	<0.3
Chlorodibromomethane	<5	<50	<5	<1	<1	<1	<1	<1	<1	<0.3	<0.3	<0.3	<0.4	<0.20	<0.4
Chloroethane	<10	<100	<10	<2	<2	<2	<2	<2	<2	<0.4	<0.8	<0.8	<0.5	<0.40	<0.5
Chloroform	8.76	<50	<5	1.8	1.6	<1	1.3	<1	<1	0.9	1.6	1.6	<0.5	1.4	1.6
Chloromethane	<10	<100	<10	<2	<2	<2	<2	<2	<2	<0.7	<0.9	<0.9	<0.3	<0.20	<0.3
Dibromomethane				<1		<1	<1		<1	<0.1	<0.2	<0.2	<0.4	<0.20	<0.4
Dichlorodifluoromethane				<2	<2	<2	<2		<2	<0.3	<1.2	<1.2	<0.5	<0.10	<0.5
Diisopropyl Ether					<1							<0.3	<0.1	<0.10	<0.1
Ethylbenzene	<5	<50	<5	<1	<1	<1	<1	<1	<1	<0.2	<0.2	<0.2	<0.1	<0.10	<0.1
Hexachlorobutadiene				<1	<1	<1	<1		<1	<0.5	<0.6	<0.6	<0.6	<0.20	<0.6
Isopropylbenzene				<1	<1	<1	<1		<1	<0.2	<0.2	<0.2	<0.1	<0.10	<0.1
p-Isopropyltoluene				<1	<1	<1	<1		<1	<0.4	<0.2	<0.2	<0.2	<0.10	<0.2
Methyl tert-butyl ether					<1							<0.2	<1.1	<0.30	<1.1
Methylene chloride	<5	1210	<10	<3	<3	<3	<3	<3	<3	<0.3	<0.5	<0.5	<1.9	<0.40	<1.9
Naphthalene	<11	<10	<10	<1	<1	<1	<1	<1	<1	<0.8	<1.1	<1.1	<0.7	<0.20	<0.7
n-Propylbenzene				<1	<1	<1	<1		<1	<0.3	<0.2	<0.2	<0.3	<0.10	<0.3
Styrene	6.24	<50	<5	<1		<1	<1		<1	<0.2	<0.2	<0.2	<0.2	<0.10	<0.2
Tetrachloroethene	<5	7	<5	<1	<1	<1	<1	<1	<1	<0.3	<0.6	<0.6	<0.4	<0.10	<0.4
Tetrahydrofuran															
Toluene	<5	<50	<5	<1	<1	<1	<1	<1	<1	<0.2	<0.2	<0.2	<0.1	<0.20	<0.1
Trichloroethene	<5	<50	<5	<1	<1	<1	<1	<1	<1	<0.2	<0.3	<0.3	<0.3	<0.20	<0.3
Trichlorofluoromethane				<1	<1	<1	<1	<1	<1	<0.5	<0.6	<0.6	<0.4	<0.20	<0.4
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
Xylene, m & p-				<2	<2	<2	<2	<2	<2	<0.4	<0.3	<0.3	<0.2	<0.20	<0.2
Xylene, o-				<1	<1	<1	<1	<1	<1	<0.2	<0.5	<0.5	<0.1	<0.10	<0.1
Xylenes, Total	<5	<50	<5												

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

Parameter	08/05/02	07/22/03	07/12/04	07/19/05	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
1,1,1,2-Tetrachloroethane	<0.90	<0.90	<0.90	<0.50	<0.70	<0.60	<0.60	<0.60	<0.24	<0.40									
1,1,1-Trichloroethane	<0.50	<0.50	<0.50	<0.60	<0.50	<0.60	<0.60	<0.60	<0.21	<0.29									
1,1,2,2-Tetrachloroethane	<0.80	<0.80	<0.80	<0.15	<0.13	<0.14	<0.14	<0.14	<0.19	<0.30									
1,1,2-Trichloroethane	<0.90	<0.90	<0.90	<0.40	<0.50	<0.50	<0.50	<0.50	<0.26	<0.30									
1,1-Dichloroethane	<0.50	<0.50	<0.50	<0.50	<0.40	<0.40	<0.40	<0.40	<0.20	<0.28									
1,1-Dichloroethene	<0.40	<0.40	<0.40	<0.50	<0.30	<0.40	<0.40	<0.40	<0.24	<0.29									
1,1-Dichloropropene	<0.50	<0.50	<0.50	<0.50	<0.60	<0.50	<0.50	<0.50	<0.24	<0.40									
1,2,3-Trichlorobenzene	<0.50	<0.50	<0.50	<0.60	<0.50	<0.50	<0.50	<0.50	<0.30	<0.40									
1,2,3-Trichloropropane	<0.80	<0.80	<0.80	<0.60	<0.70	<0.30	<0.30	<0.30	<0.21	<0.40									
1,2,4-Trichlorobenzene	<0.50	<0.50	<0.50	<0.70	<0.70	<0.40	<0.40	<0.40	<0.30	<0.30									
1,2,4-Trimethylbenzene	<0.50	<0.50	<0.50	<0.40	<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
1,2-Dibromo-3-chloropropane	<0.40	<0.40	<0.40	<1.1	<0.30	<0.40	<0.40	<0.40	<0.40	<0.50									
1,2-Dibromoethane	<0.30	<0.30	<0.30	<0.60	<0.50	<0.13	<0.13	<0.13	<0.16	<0.30									
1,2-Dichlorobenzene	<0.70	<0.70	<0.70	<0.50	<0.50	<0.40	<0.40	<0.40	<0.23	<0.40									
1,2-Dichloroethane	<0.90	<0.90	<0.90	<0.50	<0.50	<0.30	<0.30	<0.30	<0.30	<0.30									
cis-1,2-Dichloroethene	<0.50	<0.50	<0.50	<0.60	<0.40	<0.40	<0.40	<0.40	<0.25	<0.30									
trans-1,2-Dichloroethene	<0.40	<0.40	<0.40	<0.60	<0.40	<0.50	<0.50	<0.50	<0.25	<0.30									
1,2-Dichloropropane	<0.40	<0.40	<0.40	<0.50	<0.50	<0.21	<0.21	<0.21	<0.22	<0.29									
1,3,5-Trimethylbenzene	<0.50	<0.50	<0.50	<0.50	<0.40	<0.19	<0.19	<0.19	<0.23	<0.30									
1,3-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	<0.40	<0.40	<0.40	<0.40	<0.26	<0.30									
cis-1,3-Dichloropropene	<0.60	<0.60	<0.60	<0.12	<0.15	<0.14	<0.14	<0.14	<0.19	<0.28									
1,3-Dichloropropane	<1.2	<1.2	<1.2	<0.60	<0.50	<0.19	<0.19	<0.19	<0.23	<0.30									
trans-1,3-Dichloropropene	<0.70	<0.70	<0.70	<0.14	<0.14	<0.14	<0.14	<0.14	<0.19	<0.30									
1,4-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	<0.60	<0.50	<0.50	<0.50	<0.23	<0.30									
2,2-Dichloropropane	<0.60	<0.60	<0.60	<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	<0.60	<0.60	<0.60	<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	<0.60	<0.60	<0.60	<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	<0.40	<0.40	<0.40	<0.16	<0.16	<0.16	<0.19	<0.30									
Bromobenzene	<0.50	<0.50	<0.50	<0.50	<0.60	<0.30	<0.30	<0.30	<0.20	<0.30									
Bromochloromethane	<0.50	<0.50	<0.50	<0.50	<0.70	<0.21	<0.21	<0.21	<0.22	<0.40									
Bromodichloromethane	<0.40	<0.40	<0.40	<0.13	<0.15	<0.19	<0.19	<0.19	<0.20	<0.30									

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

Parameter	08/05/02	07/22/03	07/12/04	07/19/05	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
Bromoform	<0.60	<0.60	<0.60	<0.50	<0.21	<0.50	<0.50	<0.50	<0.22	<0.24									
Bromomethane	<0.80	<0.80	<0.80	<0.80	<0.80	<0.40	<0.40	<0.40	<0.50	<0.30									
n-Butylbenzene	<0.50	<0.50	14	<0.60	<0.40	<0.24	<0.24	<0.24	<0.23	<0.29									
sec-Butylbenzene	<0.50	<0.50	8	<0.50	<0.50	<0.29	<0.29	<0.29	<0.21	<0.30									
tert-Butylbenzene	<0.50	<0.50	5.6	<0.50	<0.50	<0.23	<0.23	<0.23	<0.20	<0.40									
Carbon disulfide				<1.1	<1.0	<0.50	<0.50	<0.50	<0.50	<0.60									
Carbon tetrachloride	<0.60	<0.60	<0.60	<0.50	<0.50	<0.40	<0.40	<0.40	<0.23	<0.40									
Chlorobenzene	<0.80	<0.80	<0.80	<0.50	<0.40	<0.30	<0.30	<0.30	<0.24	<0.30									
Chlorodibromomethane	<0.40	<0.40	<0.40	<0.60	<0.60	<0.23	<0.23	<0.23	<0.19	<0.26									
Chloroethane	<0.50	<0.50	<0.50	<0.70	<0.60	<0.40	<0.40	<0.40	<0.40	<0.30									
Chloroform	<0.60	<0.60	<0.60	<0.50	<0.50	<0.22	0.26	<0.22	<0.15	0.76									
Chloromethane	<0.40	<0.40	<0.40	<0.24	<0.30	<0.30	<0.30	0.58B	0.5B	<0.40									
Dibromomethane	<0.50	<0.50	<0.50	<0.70	<0.80	<0.40	<0.40	<0.40	<0.24	<0.30									
Dichlorodifluoromethane	<0.50	<0.50	<0.50	<0.60	<0.29	<0.40	<0.40	<0.40	<0.26	<0.30									
Diisopropyl Ether	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	<0.50	<0.50	<0.20	<0.30									
Ethylbenzene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.28	<0.28	<0.28	<0.22	<0.29									
Hexachlorobutadiene	<0.50	<0.50	<0.50	<0.60	<0.90	<0.60	<0.60	<0.60	<0.30	<0.40									
Isopropylbenzene	<0.50	<0.50	<0.50	<0.40	<0.60	<0.20	<0.20	<0.20	<0.18	<0.30									
p-Isopropyltoluene	<0.50	<0.50	<0.50	<0.40	<0.40	<0.17	<0.17	<0.17	<0.23	<0.30									
Methyl tert-butyl ether	<0.50	<0.50	<0.50	<0.60	<0.40	<0.23	<0.23	<0.23	<0.29	<0.30									
Methylene chloride	<1.0	<1.0	3 J, A, B, Q	<0.40	<1.0	<0.50	<0.50	<0.50	<0.40	<0.40									
Naphthalene	<0.50	<0.50	<0.50	<0.60	<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
n-Propylbenzene	<0.50	<0.50	<0.50	<0.40	<0.40	<0.20	<0.20	<0.20	<0.20	<0.30									
Styrene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.30	<0.30	<0.30	<0.20	<0.30									
Tetrachloroethene	<0.50	<0.50	<0.50	<0.40	<0.29	<0.40	<0.40	<0.40	<0.30	<0.30									
Tetrahydrofuran			0.60	<7.0	<7.0	<4.0	<4.0	<4.0	<3.0	<4.0									
Toluene	<0.50	<0.50	<0.50	<0.40	<0.40	<0.20	<0.20	<0.20	<0.22	<0.30									
Trichloroethene	<0.60	<0.60	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.21	<0.40									
Trichlorofluoromethane	<0.40	<0.40	<0.40	<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	<0.30	<0.30	<0.30	<0.12	<0.15	<0.15	<0.15	<0.15	<0.18	<0.19									
Xylene, m & p-	<0.60	<0.60	<0.60	<1.0	<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
Xylene, o-	<0.50	<0.50	<0.50	<0.40	<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
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

Prepared By: T. Dushek, 8/7/20

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 - 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		
1,1,1,2-Tetrachloroethane			<1	<1		<1	<0.1	<0.3	<0.3	<0.4	<0.20	<0.4	<0.90	<0.90	<0.90	<0.50	<0.70	<0.60	<0.60	<0.60	<0.24	<0.40											
1,1,1-Trichloroethane	<5	<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	<0.50	<0.60	<0.60	<0.60	<0.21	<0.29											
1,1,2,2-Tetrachloroethane	<5	<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	<0.13	<0.14	<0.14	<0.14	<0.19	<0.30											
1,1,2-Trichloroethane	<5	<1	<1	<1	<1	<1	<1	<0.2	<0.2	<0.2	<0.10	<0.2	<0.90	<0.90	<0.90	<0.40	<0.50	<0.50	<0.50	<0.50	<0.26	<0.30											
1,1-Dichloroethane	<5	<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	<0.40	<0.40	<0.40	<0.40	<0.20	<0.28											
1,1-Dichloroethene	<5	<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	<0.30	<0.40	<0.40	<0.40	<0.24	<0.29											
1,1-Dichloropropene			<1	<1		<1	<0.2	<0.3	<0.3	<0.4	<0.20	<0.4	<0.50	<0.50	<0.50	<0.50	<0.60	<0.50	<0.50	<0.50	<0.24	<0.40											
1,2,3-Trichlorobenzene			<1	<1		<1	<0.5	<0.4	<0.4	<0.5	<0.30	<0.5	<0.50	<0.50	<0.50	<0.60	<0.50	<0.50	<0.50	<0.50	<0.30	<0.40											
1,2,3-Trichloropropane			<1	<1		<1	<0.3	<0.2	<0.2	<0.3	<0.10	<0.3	<0.80	<0.80	<0.80	<0.60	<0.70	<0.30	<0.30	<0.30	<0.21	<0.40											
1,2,4-Trichlorobenzene			<1	<1	<1	<1	<0.5	<0.3	<0.3	<0.5	<0.30	<0.5	<0.50	<0.50	<0.50	<0.70	<0.70	<0.40	<0.40	<0.40	<0.30	<0.30											
1,2,4-Trimethylbenzene			<1	<1	1.3	1.8	3.4	1	<0.6	<0.2	0.11	<0.2	<0.50	<0.50	<0.50	<0.40	<0.50	<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		
1,2-Dibromo-3-chloropropane	<3	<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	<0.30	<0.40	<0.40	<0.40	<0.40	<0.50											
1,2-Dibromoethane		<2	<2	<2		<2	<0.2	<0.4	<0.4	<0.3	<0.10	<0.3	<0.30	<0.30	<0.30	<0.60	<0.50	<0.13	<0.13	<0.13	<0.16	<0.30											
1,2-Dichlorobenzene		<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	<0.50	<0.40	<0.40	<0.40	<0.23	<0.40											
1,2-Dichloroethane	<5	<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	<0.50	<0.30	<0.30	<0.30	<0.30	<0.30											
cis-1,2-Dichloroethane		<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	<0.40	<0.40	<0.40	<0.40	<0.25	<0.30											
trans-1,2-Dichloroethane	<5	<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	<0.40	<0.50	<0.50	<0.50	<0.25	<0.30											
1,2-Dichloropropane	<5	<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	<0.50	<0.21	<0.21	<0.21	<0.22	<0.29											
1,3,5-Trimethylbenzene		<1	<1	<1		<1	<0.4	<0.3	<0.3	<0.3	<0.10	<0.3	<0.50	<0.50	<0.50	<0.50	<0.40	<0.19	<0.19	<0.19	<0.23	<0.30											
1,3-Dichlorobenzene		<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	<0.40	<0.40	<0.40	<0.40	<0.26	<0.30											
cis-1,3-Dichloropropene	<5		<1	<1	<1	<1	<0.3	<0.3	<0.3	<0.2	<0.10	<0.2	<0.60	<0.60	<0.60	<0.12	<0.15	<0.14	<0.14	<0.14	<0.19	<0.28											
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	<0.50	<0.19	<0.19	<0.19	<0.23	<0.30											
trans-1,3-Dichloropropene	<5		<1	<1	<1	<1	<0.2	<0.2	<0.2	<0.5	<0.10	<0.5	<0.70	<0.70	<0.70	<0.14	<0.14	<0.14	<0.14	<0.14	<0.19	<0.30											
1,4-Dichlorobenzene		<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	<0.60	<0.50	<0.50	<0.50	<0.23	<0.30											
2,2-Dichloropropane		<1	<1	<1		<1	<0.2	<0.5	<0.5	<0.2	<0.20	<0.2	<0.60	<0.60	<0.60	<0.60	<0.60	<0.30	<0.30	<0.30	<0.25	<0.28											
2-Butanone (MEK)	<10															<7.0	<5.0	<4.0	<4.0	<4.0	<4.0	<2.4	<3.0										
2-Chloroethyl vinyl ether					<10																												
2-Chlorotoluene		<1	<1	<1		<1	<0.4	<0.3	<0.3	<0.4	<0.10	<0.4	<0.60	<0.60	<0.60	<0.50	<0.50	<0.30	<0.30	<0.30	<0.22	<0.30											
2-Hexanone	<10															<7.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0										
4-Chlorotoluene		<1	<1	<1		<1	<0.3	<0.3	<0.3	<0.3	<0.20	<0.3	<0.60	<0.60	<0.60	<0.40	<0.60	<0.30	<0.30	<0.30	<0.21	<0.29											
4-Methyl-2-Pentanone (MIBK)	<10															<7.0	<6.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0										
Acetone	<10															<9.0	<10.0	<7.0	<7.0	<7.0	<7.0	<5.0	<5.0										
Benzene	<5	<1	2.2	<1	<1	1.7	1.7	1.5	<0.3	<0.1	0.60	<0.1	<0.40	<0.40	<0.40	<0.40	<0.40	<0.16	<0.16	0.3	<0.19	<0.30											
Bromobenzene		<1	<1	<1		<1	<0.3	<0.2	<0.2	<0.5	<0.10	<0.5	<0.50	<0.50	<0.50	<0.50	<0.60	<0.30	<0.30	<0.30	<0.20	<0.30											
Bromochloromethane			<1	<1		<1	<0.4	<0.2	<0.2	<0.4	<0.10	<0.4	<0.50	<0.50	<0.50	<0.50	<0.70	<0.21	<0.21	<0.21	<0.22	<0.40											
Bromodichloromethane	<5	<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	<0.15	<0.19	<0.19	<0.19	<0.20	<0.30											
Bromoform	<5		<1	<1	<1	<1	<0.3	<0.2	<0.2	<0.1	<0.20	<0.1	<0.60	<0.60	<0.60	<0.50	<0.21	<0.50	<0.50	<0.50	<0.22	<0.24											
Bromomethane	<10		<2	<2	<2	<2	<0.3	<0.9	<0.9	<0.4	<0.40	<0.4	<0.80	<0.80	<0.80	<0.80	<0.90	<0.40	<0.40	<0.40	<0.50	<0.30											
n-Butylbenzene		2.9	1.6	1.8		3.8	4.5	3.6	2	1.4	0.76	<0.4	<0.50	2.5	2.6	<0.60	<0.40	<0.24	<0.24	<0.24	<0.23	<0.29											
sec-Butylbenzene		2	9.4	7.7		8.4	12	9.2	5.7	5.8	8.6	2.8	2.6	7.8	7.3	5.2	2.9	4.1	2.6	5.4	4	1.4											
tert-Butylbenzene		<1	<1	<1		1.0	<0.3	1.2	<0.3	<0.1	0.13	<0.1	<0.50	<0.50	<0.50	<0.50	<0.50	<0.23	<0.23	<0.23	<0.20	<0.40											
Carbon disulfide	<5															<1.1	<1.0	<0.50	<0.50	<0.50	<0.50	<0.60											
Carbon tetrachloride	<5	<1	<1	<1	<1	<1	<0.2	<0.4	<0.4	<0.3	<0.10	<0.3	<0.60	<0.60	<0.60	<0.50	<0.50	<0.40	<0.40	<0.40	<0.23	<0.40											
Chlorobenzene	<5	<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	<0.40	<0.30	<0.30	<0.30	<0.24	<0.30											
Chlorodibromomethane	<5	<1	<1	<1	<1	<1	<0.3	<0.3	<0.3	<0.4	<0.20	<0.4	<0.40	<0.40	<0.40	<0.																	

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		
p-Isopropyltoluene		<1	<1	<1		<1	<0.4	1.4	<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	J,A,B,Q	<0.40	<1.0	<0.50	<0.50	<0.50	<0.40	<0.40											
Naphthalene		<1	<1	2.2	<1	3.1	7.7	4.6	1.8	0.81	<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	1.2	1.3	1.6	1.8	<0.90	1.5	1.2	<0.90		
n-Propylbenzene		1.7	<1	3.2		7.8	12	4.8	0.8	<0.3	1.9	<0.3	<0.50	1.8	1.1 J	<0.40	<0.40	<0.20	<0.20	<0.20	<0.20	<0.20	<0.30										
Styrene	<5		<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	1.3	<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	<0.15	<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	<0.40	<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	0.83	<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	<2	1.3	1.8	<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	
Xylene, o-		<1	<1	<1	<1	1.1	<0.2	1.4	<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		
Xylenes, Total	<5															<1.5	<1.0	<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		

Prepared By: T. Dushek, 8/7/20

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 - 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	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				
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	46	8.6	8.8	<9.0	<9.0	28	33	28	29	26	26	<18	<18				
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	<20	<11	<11	15	16	18	19	29	29	<16	<16	<16	<16					
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	58	39	38	28	31	84	100	97	93	76	79	68	68					
Xylenes, Total	252															57	32 *	111	142	151	67	60	185	117	126		109	104	58	39	38	43	47	102	119	126	122	76	79	68	68					

Prepared By: T. Dushek, 8/7/20

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

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 - W10B

Parameter	12/18/92	06/29/93	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	7/14/2004 duplicate	07/20/05	7/20/2005 duplicate	07/19/06	07/10/07	07/23/08	07/06/09	07/15/10	07/20/11	07/06/12	07/05/13	07/08/14	07/07/15	07/07/16	07/17/17	07/11/18	07/15/19	07/13/20		
1,1,1,2-Tetrachloroethane			<1	<1		<1	<0.1	<0.3	<0.3	<0.4	<0.20	<0.4	<0.90	<0.90	<0.90	<0.50	<0.50	<0.70	<0.60	<0.60	<0.60	<0.60	<0.24	<0.40											
1,1,1-Trichloroethane	<5	<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	<0.60	<0.50	<0.60	<0.60	<0.60	<0.60	<0.21	<0.29											
1,1,2,2-Tetrachloroethane	<5	<1	<1	<1	<1	<1	<0.2	<0.2	<0.2	<0.4	<0.20	<0.4	<0.80	<0.80	<0.80	<0.80	<0.80	<0.15	<0.15	<0.13	<0.14	<0.14	<0.14	<0.14	<0.19	<0.30									
1,1,2-Trichloroethane	<5	<1	<1	<1	<1	<1	<1	<0.2	<0.2	<0.2	<0.10	<0.2	<0.90	<0.90	<0.90	<0.90	<0.40	<0.40	<0.50	<0.50	<0.50	<0.50	<0.50	<0.26	<0.30										
1,1-Dichloroethane	<5	<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	<0.50	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.20	<0.28										
1,1-Dichloroethene	<5	<1	<1	<1	<1	<1	<0.4	<0.2	<0.2	<0.9	<0.20	<0.9	<0.40	<0.40	<0.40	<0.40	<0.50	<0.50	<0.30	<0.40	<0.40	<0.40	<0.40	<0.24	<0.29										
1,1-Dichloropropene			<1	<1		<1	<0.2	<0.3	<0.3	<0.4	<0.20	<0.4	<0.50	<0.50	<0.50	<0.50	<0.50	<0.60	<0.50	<0.50	<0.50	<0.50	<0.24	<0.40											
1,2,3-Trichlorobenzene		<1	<1	<1		<1	<0.5	<0.4	<0.4	<0.5	<0.30	<0.5	<0.50	<0.50	<0.50	<0.60	<0.60	<0.50	<0.50	<0.50	<0.50	<0.50	<0.30	<0.40											
1,2,3-Trichloropropane			<1	<1		<1	<0.3	<0.2	<0.2	<0.3	<0.10	<0.3	<0.80	<0.80	<0.80	<0.80	<0.60	<0.60	<0.70	<0.30	<0.30	<0.30	<0.21	<0.40											
1,2,4-Trichlorobenzene		<1	<1	<1		<1	<0.5	<0.3	<0.3	<0.5	<0.30	<0.5	<0.50	<0.50	<0.50	<0.70	<0.70	<0.70	<0.40	<0.40	<0.40	<0.40	<0.40	<0.30	<0.30										
1,2,4-Trimethylbenzene		<1	1.8	<1		1.0	<0.7	<0.6	<0.6	<0.2	<0.10	<0.2	<0.50	<0.50	<0.50	<0.50	<0.40	<0.40	<0.50	<0.24	<0.24	<0.24	2.8	22			3 Y	1.1	<0.50	0.90	<0.40	<0.40	5.9	4.7	
1,2-Dibromo-3-chloropropane		<3	<3	<3		<3	<0.3	<0.3	<0.3	<0.3	<0.40	<0.3	<0.40	<0.40	<0.40	<0.40	<1.1	<1.1	<0.30	<0.40	<0.40	<0.40	<0.40	<0.40	<0.50										
1,2-Dibromoethane		<2	<2	<2		<2	<0.2	<0.4	<0.4	<0.3	<0.10	<0.3	<0.30	<0.30	<0.30	<0.60	<0.60	<0.50	<0.13	<0.13	<0.13	<0.13	<0.16	<0.30											
1,2-Dichlorobenzene		<1	<1	<1	<1	<1	<0.3	<0.3	<0.3	<0.3	<0.20	<0.3	<0.70	<0.70	<0.70	<0.70	<0.50	<0.50	<0.50	<0.40	<0.40	<0.40	<0.23	<0.40											
1,2-Dichloroethane	<5	<1	<1	<1	<1	<1	<0.2	<0.2	<0.2	<0.4	<0.20	<0.4	<0.90	<0.90	<0.90	<0.90	<0.50	<0.50	<0.50	<0.30	<0.30	<0.30	<0.30	<0.30											
cis-1,2-Dichloroethene		<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	<0.60	<0.40	<0.40	<0.40	<0.40	<0.40	<0.25	<0.30											
trans-1,2-Dichloroethene	<5	<1	<1	<1	<1	<1	<0.2	<0.3	<0.3	<0.8	<0.10	<0.8	<0.40	<0.40	<0.40	<0.40	<0.60	<0.60	<0.40	<0.50	<0.50	<0.50	<0.25	<0.30											
1,2-Dichloropropane	<5	<1	<1	<1	<1	<1	<0.1	<0.2	<0.2	<0.3	<0.20	<0.3	<0.40	<0.40	<0.40	<0.40	<0.50	<0.50	<0.50	<0.21	<0.21	<0.21	<0.22	<0.29											
1,3,5-Trimethylbenzene		<1	<1	<1		<1	<0.4	<0.3	<0.3	<0.3	<0.10	<0.3	<0.50	<0.50	<0.50	<0.50	<0.50	<0.40	<0.40	<0.19	<0.19	<0.19	<0.23	3.3											
1,3-Dichlorobenzene		<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	<0.50	<0.40	<0.40	<0.40	<0.40	<0.40	<0.26	<0.30											
cis-1,3-Dichloropropene	<5		<1	<1	<1	<1	<0.3	<0.3	<0.3	<0.2	<0.10	<0.2	<0.60	<0.60	<0.60	<0.60	<0.12	<0.12	<0.15	<0.14	<0.14	<0.14	<0.19	<0.28											
1,3-Dichloropropane		<1	<1	<1		<1	<0.3	<0.6	<0.6	<0.4	<0.10	<0.4	<1.2	<1.2	<1.2	<1.2	<0.60	<0.60	<0.50	<0.19	<0.19	<0.19	<0.23	<0.30											
trans-1,3-Dichloropropene	<5		<1	<1	<1	<1	<0.2	<0.2	<0.2	<0.5	<0.10	<0.5	<0.70	<0.70	<0.70	<0.70	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.19	<0.30										
1,4-Dichlorobenzene		<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	<0.50	<0.60	<0.50	<0.50	<0.50	<0.50	<0.23	<0.30											
2,2-Dichloropropane		<1	<1	<1		<1	<0.2	<0.5	<0.5	<0.2	<0.20	<0.2	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.30	<0.30	<0.30	<0.25	<0.28											
2-Butanone (MEK)	<10																<7.0	<7.0	<5.0	<4.0	<4.0	<4.0	<2.4	<3.0											
2-Chloroethyl vinyl ether					<10																														
2-Chlorotoluene		<1	<1	<1		<1	<0.4	<0.3	<0.3	<0.4	<0.10	<0.4	<0.60	<0.60	<0.60	<0.60	<0.50	<0.50	<0.50	<0.30	<0.30	<0.30	<0.22	<0.30											
2-Hexanone	<10																<7.0	<7.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0										
4-Chlorotoluene		<1	<1	<1		<1	<0.3	<0.3	<0.3	<0.3	<0.20	<0.3	<0.60	<0.60	<0.60	<0.60	<0.40	<0.40	<0.60	<0.30	<0.30	<0.30	<0.21	<0.29											
4-Methyl-2-Pentanone (MIBK)	<10																<7.0	<7.0	<6.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0										
Acetone	<10																<9.0	<9.0	<10.0	<7.0	<7.0	<7.0	<7.0	<5.0	<5.0										
Benzene	<5	<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	<0.40	<0.40	<0.40	<0.16	<0.16	<0.16	<0.19	<0.30											
Bromobenzene		<1	<1	<1		<1	<0.3	<0.2	<0.2	<0.5	<0.10	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.60	<0.30	<0.30	<0.30	<0.200	<0.30											
Bromochloromethane			<1	<1		<1	<0.4	<0.2	<0.2	<0.4	<0.10	<0.4	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.70	<0.21	<0.21	<0.21	<0.22	<0.40											
Bromodichloromethane	<5	<1	<1	<1	<1	<1	<0.2	<0.2	<0.2	<0.2	<0.10	<0.2	<0.40	<0.40	<0.40	<0.40	<0.13	<0.13	<0.15	<0.19	<0.19	<0.19	<0.20	<0.30											

Volatile Organic Compounds - Historical Data
WAULECO, INC - Wausau Facility
Well - W10B

Parameter	12/18/92	06/29/93	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	7/14/2004 duplicate	07/20/05	7/20/2005 duplicate	07/19/06	07/10/07	07/23/08	07/06/09	07/15/10	07/20/11	07/06/12	07/05/13	07/08/14	07/07/15	07/07/16	07/17/17	07/11/18	07/15/19	07/13/20	
Bromoform	<5		<1	<1	<1	<1	<0.3	<0.2	<0.2	<0.1	<0.20	<0.1	<0.60	<0.60	<0.60	<0.60	<0.50	<0.50	<0.21	<0.50	<0.50	<0.50	<0.22	<0.24										
Bromomethane	<10		<2	<2	<2	<2	<0.3	<0.9	<0.9	<0.4	<0.40	<0.4	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.90	<0.40	<0.40	<0.40	<0.50	<0.30										
n-Butylbenzene		<1	<1	<1		<1	<0.6	<0.3	<0.3	<0.4	<0.10	<0.4	<0.50	<0.50	<0.50	<0.50	<0.60	<0.60	14	<0.24	<0.24	<0.24	<0.23	0.38										
sec-Butylbenzene		<1	<1	<1		<1	<0.3	<0.2	<0.2	<0.3	0.22	<0.3	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	8	<0.29	<0.29	<0.29	<0.21	0.95										
tert-Butylbenzene		<1	<1	<1		<1	<0.3	<0.3	<0.3	<0.1	<0.10	<0.1	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	5.6	<0.23	<0.23	<0.23	<0.20	0.4										
Carbon disulfide	<5																<1.1	<1.1	<1.0	<0.50	<0.50	<0.50	<0.50	<0.60										
Carbon tetrachloride	<5	<1	<1	<1	<1	<1	<0.2	<0.4	<0.4	<0.3	<0.10	<0.3	<0.60	<0.60	<0.60	<0.60	<0.50	<0.50	<0.50	<0.40	<0.40	<0.40	<0.23	<0.40										
Chlorobenzene	<5	<1	<1	<1	<1	<1	<0.3	<0.3	<0.3	<0.10	<0.10	<0.3	<0.80	<0.80	<0.80	<0.80	<0.50	<0.50	<0.40	<0.30	<0.30	<0.30	<0.24	<0.30										
Chlorodibromomethane	<5	<1	<1	<1	<1	<1	<0.3	<0.3	<0.3	<0.4	<0.10	<0.4	<0.40	<0.40	<0.40	<0.40	<0.60	<0.60	<0.60	<0.23	<0.23	<0.23	<0.19	<0.26										
Chloroethane	<10	<2	<2	<2	<2	<2	<0.4	<0.8	<0.8	<0.5	<0.40	<0.5	<0.50	<0.50	<0.50	<0.50	<0.70	<0.70	<0.60	<0.40	<0.40	<0.40	<0.40	<0.30										
Chloroform	<5	<1	<1	<1	<1	<1	<0.2	<0.2	<0.2	<0.5	<0.10	<0.5	<0.60	<0.60	<0.60	<0.60	<0.50	<0.50	<0.50	<0.22	<0.22	<0.22	<0.15	<0.23										
Chloromethane	<10	<2	<2	<2	<2	<2	<0.7	<0.9	<0.9	<0.3	<0.20	<0.3	<0.40	<0.40	<0.40	<0.40	<0.24	<0.24	<0.30	<0.30	<0.30	1.5B	<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	<0.50	<0.70	<0.70	<0.80	<0.40	<0.40	<0.40	<0.24	<0.30										
Dichlorodifluoromethane			<2	<2	<2		<2	<0.3	<1.2	<1.2	<0.5	<0.10	<0.5	<0.50	<0.50	<0.50	<0.60	<0.60	<0.29	<0.40	<0.40	<0.40	<0.40	<0.26	<0.30									
Diisopropyl Ether		<1							<0.3	<0.1	<0.10	<0.1	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	<0.50	<0.50	<0.20	<0.30										
Ethylbenzene	<5	<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	<0.50	<0.50	<0.40	<0.50	<0.50	<0.28	<0.28	<0.22	0.34									
Hexachlorobutadiene		<1	<1	<1		<1	<0.5	<0.6	<0.6	<0.6	<0.20	<0.6	<0.50	<0.50	<0.50	<0.50	<0.60	<0.60	<0.90	<0.60	<0.60	<0.60	<0.30	<0.40										
Isopropylbenzene		<1	<1	<1		<1	<0.2	<0.2	<0.2	<0.1	0.23	<0.1	<0.50	<0.50	<0.50	<0.50	<0.40	<0.40	<0.60	<0.20	<0.20	<0.20	<0.18	0.84										
p-Isopropyltoluene		<1	<1	<1		<1	<0.4	<0.2	<0.2	<0.2	<0.10	<0.2	<0.50	<0.50	<0.50	<0.50	<0.40	<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	<0.50	<0.50	<0.60	<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	3 J,A,B,Q	3 J,A,B,Q	<0.40	<0.40	<1.0	<0.50	<0.50	<0.50	<0.40	<0.40										
Naphthalene	<10	<1	<1	<1	<1	<1	<0.8	<1.1	<1.1	<0.7	<0.20	<0.7	<0.50	<0.50	<0.50	<0.50	<0.60	<0.60	<0.70	<0.60	<0.60	<0.60	<0.40	2.8	<0.33	0.69	<1.2	<0.50	<0.90	<0.90	<0.90	0.94	<0.90	
n-Propylbenzene		<1	<1	<1		<1	<0.3	<0.2	<0.2	<0.3	<0.10	<0.3	<0.50	<0.50	<0.50	<0.50	<0.40	<0.40	<0.40	<0.20	<0.20	<0.20	<0.20	0.63										
Styrene	<5		<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	<0.50	<0.50	<0.30	<0.30	<0.30	<0.20	<0.30										
Tetrachloroethene	<5	<1	<1	<1	<1	<1	<0.3	<0.6	<0.6	<0.4	<0.10	<0.4	<0.50	<0.50	<0.50	<0.50	<0.40	<0.40	<0.29	<0.40	<0.40	<0.40	<0.30	<0.30										
Tetrahydrofuran																	<7.0	0.60	<4.0	<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	<0.50	<0.40	<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	0.63 J	0.75 J	<0.15	<0.15	<0.15	<0.15	0.98	0.39	<0.21	0.45										
Trichlorofluoromethane		<1	<1	<1		<1	<0.5	<0.6	<0.6	<0.4	<0.20	<0.4	<0.40	<0.40	<0.40	<0.40	<0.50	<0.50	<0.70	<0.40	<0.40	<0.40	<0.20	<0.40										
Vinyl acetate	<10																<8.0	<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	<0.30	<0.12	<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	<0.60	<1.0	<1.0	<0.9	<0.50	<0.50	<0.50	<0.50	0.7	<0.90 MY	<1.0	<1.1	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	
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	<0.50	<0.40	<0.40	<0.60	<0.50	<0.50	<0.50	<0.24	2.1	0.57 MY	<0.50	<0.50	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	
Xylenes, Total	<5																<1.5	<1.0	<1.0	<1.0	<1.0	<1.0	2.8	0.57 MY	<1.5	<1.6	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2		

Prepared By: T. Dushek, 8/7/20

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 - W11

Parameter	12/17/92	06/30/93	12/28/93	06/21/94	07/05/95	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	07/19/11	07/09/12	07/01/13	7/1/2013 Duplicate	07/08/14	07/06/15	07/05/16	07/17/17	07/11/18	07/09/19	07/07/20			
1,1,1,2-Tetrachloroethane			<1	<1		<1	<0.1	<0.3	<0.3	<0.4	<0.20	<0.4	<0.90	<0.90	<0.90	<0.50	<0.70	<0.60	<0.60	<0.60	<0.60	<0.24	<0.40												
1,1,1-Trichloroethane	<5	<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	<0.50	<0.60	<0.60	<0.60	<0.60	<0.21	<0.29												
1,1,2,2-Tetrachloroethane	<5	<1	<1	<1	<1	<1	<0.2	<0.2	<0.2	<0.2	<0.4	<0.20	<0.4	<0.80	<0.80	<0.80	<0.15	<0.13	<0.14	<0.14	<0.14	<0.14	<0.19	<0.30											
1,1,2-Trichloroethane	<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	<0.50	<0.50	<0.50	<0.50	<0.50	<0.26	<0.30											
1,1-Dichloroethane	<5	<1	<1	<1	<1	<1	<0.2	<0.2	<0.2	<0.2	<0.4	<0.10	<0.4	<0.50	<0.50	<0.50	<0.50	<0.40	<0.40	<0.40	<0.40	<0.40	<0.20	<0.28											
1,1-Dichloroethene	<5	<1	<1	<1	<1	<1	<0.4	<0.2	<0.2	<0.2	<0.9	<0.20	<0.9	<0.40	<0.40	<0.40	<0.50	<0.30	<0.40	<0.40	<0.40	<0.40	<0.24	<0.29											
1,1-Dichloropropene			<1	<1		<1	<0.2	<0.3	<0.3	<0.4	<0.20	<0.4	<0.50	<0.50	<0.50	<0.60	<0.50	<0.50	<0.50	<0.50	<0.50	<0.24	<0.40												
1,2,3-Trichlorobenzene		<1	<1	<1		<1	<0.5	<0.4	<0.4	<0.5	<0.30	<0.5	<0.50	<0.50	<0.50	<0.60	<0.50	<0.50	<0.50	<0.50	<0.50	<0.30	<0.40												
1,2,3-Trichloropropane			<1	<1		<1	<0.3	<0.2	<0.2	<0.3	<0.10	<0.3	<0.80	<0.80	<0.80	<0.60	<0.70	<0.30	<0.30	<0.30	<0.30	<0.21	<0.40												
1,2,4-Trichlorobenzene		<1	<1	<1		<1	<0.5	<0.3	<0.3	<0.5	<0.30	<0.5	<0.50	<0.50	<0.50	<0.70	<0.70	<0.40	<0.40	<0.40	<0.40	<0.30	<0.30												
1,2,4-Trimethylbenzene		<1	<1	<1		<1	<0.7	<0.6	7.1	<0.2	0.48	<0.2	<0.50	<0.50	<0.50	<0.40	<0.50	<0.24	<0.24	<0.24	<0.24	<0.20	<0.30		<0.40	<0.40	<0.60	<0.50	<0.40	<0.40	<0.40	<0.40	<0.40		
1,2-Dibromo-3-chloropropane		<3	<3	<3		<3	<0.3	<0.3	<0.3	<0.3	<0.40	<0.3	<0.40	<0.40	<0.40	<1.1	<0.30	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.50											
1,2-Dibromoethane		<2	<2	<2		<2	<0.2	<0.4	<0.4	<0.3	<0.10	<0.3	<0.30	<0.30	<0.30	<0.30	<0.60	<0.50	<0.13	<0.13	<0.13	<0.16	<0.30												
1,2-Dichlorobenzene		<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	<0.50	<0.40	<0.40	<0.40	<0.40	<0.23	<0.40												
1,2-Dichloroethane	<5	<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	<0.50	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30												
cis-1,2-Dichloroethene		<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	<0.40	<0.40	<0.40	<0.40	<0.40	<0.25	<0.30												
trans-1,2-Dichloroethene	<5	<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	<0.40	<0.50	<0.50	<0.50	<0.50	<0.25	<0.30												
1,2-Dichloropropane	<5	<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	<0.50	<0.21	<0.21	<0.21	<0.21	<0.22	<0.29												
1,3,5-Trimethylbenzene		<1	<1	<1		<1	<0.4	<0.3	0.9	<0.3	<0.10	<0.3	<0.50	<0.50	<0.50	<0.40	<0.19	<0.19	<0.19	<0.19	<0.19	<0.23	<0.30												
1,3-Dichlorobenzene		<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	<0.40	<0.40	<0.40	<0.40	<0.40	<0.26	<0.30												
cis-1,3-Dichloropropene	<5		<1	<1	<1	<1	<0.3	<0.3	<0.3	<0.2	<0.10	<0.2	<0.60	<0.60	<0.60	<0.12	<0.15	<0.14	<0.14	<0.14	<0.14	<0.19	<0.28												
1,3-Dichloropropane		<1	<1	<1		<1	<0.3	<0.6	<0.6	<0.4	<0.10	<0.4	<1.2	<1.2	<1.2	<0.60	<0.50	<0.19	<0.19	<0.19	<0.19	<0.23	<0.30												
trans-1,3-Dichloropropene	<5		<1	<1	<1	<1	<0.2	<0.2	<0.2	<0.5	<0.10	<0.5	<0.70	<0.70	<0.70	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.19	<0.30												
1,4-Dichlorobenzene		<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	<0.60	<0.50	<0.50	<0.50	<0.50	<0.23	<0.30												
2,2-Dichloropropane		<1	<1	<1		<1	<0.2	<0.5	<0.5	<0.2	<0.20	<0.2	<0.60	<0.60	<0.60	<0.60	<0.30	<0.30	<0.30	<0.30	<0.25	<0.28													
2-Butanone (MEK)	<10															<7.0	<5.0	<4.0	<4.0	<4.0	<4.0	<2.4	<3.0												
2-Chloroethyl vinyl ether					<10																														
2-Chlorotoluene		<1	<1	<1		<1	<0.4	<0.3	<0.3	<0.4	<0.10	<0.4	<0.60	<0.60	<0.60	<0.50	<0.50	<0.30	<0.30	<0.30	<0.30	<0.22	<0.30												
2-Hexanone	<10															<7.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0											
4-Chlorotoluene		<1	<1	<1		<1	<0.3	<0.3	<0.3	<0.3	<0.20	<0.3	<0.60	<0.60	<0.60	<0.40	<0.60	<0.30	<0.30	<0.30	<0.30	<0.21	<0.29												
4-Methyl-2-Pentanone (MIBK)	<10															<7.0	<6.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0											
Acetone	<10															<9.0	<10.0	<7.0	<7.0	<7.0	<7.0	<5.0	<5.0												
Benzene	<5	<1	<1	<1	<1	<1	<0.2	<0.3	<0.3	<0.1	0.59	<0.1	<0.40	<0.40	<0.40	<0.40	<0.40	<0.16	<0.16	<0.16	<0.16	<0.19	<0.30												
Bromobenzene		<1	<1	<1		<1	<0.3	<0.2	<0.2	<0.5	<0.10	<0.5	<0.50	<0.50	<0.50	<0.60	<0.30	<0.30	<0.30	<0.30	<0.30	<0.20	<0.30												
Bromochloromethane			<1	<1		<1	<0.4	<0.2	<0.2	<0.4	<0.10	<0.4	<0.50	<0.50	<0.50	<0.50	<0.70	<0.21	<0.21	<0.21	<0.21	<0.22	<0.40												
Bromodichloromethane	<5	<1	<1	<1	<1	2.1	1.8	<0.2	<0.2	<0.2	<0.10	<0.2	<0.40	<0.40	<0.40	<0.13	<0.15	<0.19	<0.19	<0.19	<0.19	<0.20	<0.30												

Volatile Organic Compounds - Historical Data
WAULECO, INC - Wausau Facility
Well - W11

Parameter	12/17/92	06/30/93	12/28/93	06/21/94	07/05/95	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	07/19/11	07/09/12	07/01/13	7/1/2013 Duplicate	07/08/14	07/06/15	07/05/16	07/17/17	07/11/18	07/09/19	07/07/20	
Bromoform	<5		<1	<1	<1	<1	<0.3	<0.2	<0.2	<0.1	<0.20	<0.1	<0.60	<0.60	<0.60	<0.50	<0.21	<0.50	<0.50	<0.50	<0.22	<0.24											
Bromomethane	<10		<2	<2	<2	<2	<0.3	<0.9	<0.9	<0.4	<0.40	<0.4	<0.80	<0.80	<0.80	<0.80	<0.90	<0.40	<0.40	<0.40	<0.50	<0.30											
n-Butylbenzene		<1	<1	<1		<1	<0.6	<0.3	2.3	<0.4	0.22	<0.4	<0.50	<0.50	<0.50	<0.60	<0.40	0.31	<0.24	<0.24	<0.23	<0.29											
sec-Butylbenzene		<1	<1	<1		<1	<0.3	<0.2	2.4	1.3	0.86	<0.3	<0.50	<0.50	<0.50	<0.50	<0.52	2.2	<0.29	1.6	1.4	1											
tert-Butylbenzene		<1	<1	<1		<1	<0.3	<0.3	0.8	<0.1	0.33	<0.1	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	<0.23	0.7	<0.20	0.49											
Carbon disulfide	<5															<1.1	<1.0	<0.50	<0.50	<0.50	<0.50	<0.60											
Carbon tetrachloride	<5	<1	<1	<1	<1	<1	<0.2	<0.4	<0.4	<0.3	<0.10	<0.3	<0.60	<0.60	<0.60	<0.50	<0.40	<0.40	<0.40	<0.40	<0.23	<0.40											
Chlorobenzene	<5	<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	<0.40	<0.30	<0.30	<0.30	<0.24	<0.30											
Chlorodibromomethane	<5	<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	<0.60	<0.23	<0.23	<0.23	<0.19	<0.26											
Chloroethane	<10	<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	<0.60	<0.40	<0.40	<0.40	<0.40	<0.30											
Chloroform	<5	<1	<1	17	15	34.7	36.0	<0.2	<0.2	<0.5	0.37	<0.5	<0.60	<0.60	<0.60	<0.50	<0.50	<0.22	<0.22	<0.22	<0.15	<0.23											
Chloromethane	<10	<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	<0.30	<0.30	<0.30	1.3AB	<0.40	<0.40											
Dibromomethane			<1	<1		<1	<0.1	<0.2	<0.2	<0.4	<0.20	<0.4	<0.50	<0.50	<0.50	<0.70	<0.80	<0.40	<0.40	<0.40	<0.24	<0.30											
Dichlorodifluoromethane		<2	<2	<2		<2	<0.3	<1.2	<1.2	<0.5	<0.10	<0.5	<0.50	<0.50	<0.50	<0.60	<0.29	<0.40	<0.40	<0.40	<0.26	<0.30											
Diisopropyl Ether		<1							<0.3	<0.1	<0.10	<0.1	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	<0.50	<0.50	<0.20	<0.30											
Ethylbenzene	<5	<1	<1	<1	<1	<1	<0.2	<0.2	0.2	<0.1	0.11	<0.1	<0.50	<0.50	<0.50	<0.50	<0.28	<0.28	<0.28	<0.28	<0.22	<0.29											
Hexachlorobutadiene		<1	<1	<1		<1	<0.5	<0.6	<0.6	<0.6	<0.20	<0.6	<0.50	<0.50	<0.50	<0.60	<0.90	<0.60	<0.60	<0.60	<0.30	<0.40											
Isopropylbenzene		<1	<1	<1		<1	<0.2	<0.2	1.8	<0.1	0.29	<0.1	<0.50	<0.50	<0.50	<0.40	<0.60	<0.20	<0.20	<0.20	<0.18	<0.30											
p-Isopropyltoluene		<1	<1	<1		<1	<0.4	<0.2	<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	3 J,A,B,Q	<0.40	<1.0	<0.50	<0.50	<0.50	<0.40	<0.40	<0.33	0.70	0.94	<1.2	<0.50	<0.90	<0.90	<0.90	<0.90	<0.90	
Naphthalene	<10	<1	<1	<1	<1	<1	<0.8	<1.1	3.8	<0.7	<0.20	<0.7	<0.50	<0.50	<0.50	<0.60	<0.60	<0.60	<0.60	<0.40	<0.40												
n-Propylbenzene		<1	<1	<1		<1	<0.3	<0.2	1	<0.3	0.17	<0.3	<0.50	<0.50	<0.50	<0.40	<0.40	<0.20	<0.20	<0.20	<0.20	<0.30											
Styrene	<5		<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	1.4	<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	<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	1.3	<1	<0.2	<0.3	1.6	0.62	2.2	<0.3	<0.60	<0.60	<0.60	0.34	0.62	1.3	0.28	0.76	0.7	0.41											
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	<0.90	<1.0	<1.1	<0.80	<0.80	<0.80	<0.80	<0.80		
Xylene, o-		<1	<1	<1	<1	<1	<0.2	<0.5	4.7	<0.1	0.65	<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	<0.50	<0.40	<0.40	<0.40	<0.40	<0.40		
Xylenes, Total	<5															<1.5	<1.0	<1.0	<1.0	<1.0	<1.0	<0.89	<1.4	<1.4	<1.5	<1.6	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	

Prepared By: T. Dushek, 8/7/20

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 - W12

Parameter	12/17/92	06/29/93	12/28/93	06/21/94	07/06/95	07/08/96	07/11/97	06/23/98	06/08/99	07/17/00	01/30/01	07/10/01	08/05/02	07/22/03	07/13/04	07/19/05	07/19/06	07/09/07	07/23/08	07/06/09	07/14/10	07/18/11	07/09/12	07/01/13	07/07/14	07/06/15	07/05/16	07/11/17	07/11/18	07/08/19	07/06/20	
1,1,1,2-Tetrachloroethane			<1	<1		<1	<0.1	<0.3	<0.3	<0.4	<0.20	<0.4	<0.90	<0.90	<0.50	<0.70	<0.60	<0.60	<0.60	<0.60	<0.24	<0.40										
1,1,1-Trichloroethane	<5	<1	<1	<1	<1	<1	<0.3	<0.3	<0.3	<0.3	<0.20	<0.3	<0.50	<0.50	<0.60	<0.50	<0.60	<0.60	<0.60	<0.60	<0.21	<0.29										
1,1,2,2-Tetrachloroethane	<5	<1	<1	<1	<1	<1	<0.2	<0.2	<0.2	<0.4	<0.20	<0.4	<0.80	<0.80	<0.15	<0.13	<0.14	<0.14	<0.14	<0.14	<0.19	<0.30										
1,1,2-Trichloroethane	<5	<1	<1	<1	<1	<1	<1	<0.2	<0.2	<0.2	<0.10	<0.2	<0.90	<0.90	<0.40	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.26	<0.30									
1,1-Dichloroethane	<5	<1	<1	<1	<1	<1	<0.2	<0.2	<0.2	<0.4	<0.10	<0.4	<0.50	<0.50	<0.50	<0.40	<0.40	<0.40	<0.40	<0.40	<0.20	<0.28										
1,1-Dichloroethene	<5	<1	<1	<1	<1	<1	<0.4	<0.2	<0.2	<0.9	<0.20	<0.9	<0.40	<0.40	<0.50	<0.30	<0.40	<0.40	<0.40	<0.40	<0.24	<0.29										
1,1-Dichloropropene			<1	<1			<1	<0.2	<0.3	<0.4	<0.20	<0.4	<0.50	<0.50	<0.50	<0.50	<0.60	<0.50	<0.50	<0.50	<0.24	<0.40										
1,2,3-Trichlorobenzene		<1	<1	<1		<1	<0.5	<0.4	<0.4	<0.5	<0.30	<0.5	<0.50	<0.50	<0.60	<0.50	<0.50	<0.50	<0.50	<0.50	<0.30	<0.40										
1,2,3-Trichloropropane			<1	<1		<1	<0.3	<0.2	<0.2	<0.3	<0.10	<0.3	<0.80	<0.80	<0.60	<0.70	<0.30	<0.30	<0.30	<0.30	<0.21	<0.40										
1,2,4-Trichlorobenzene		<1	<1	<1		<1	<0.5	<0.3	<0.3	<0.5	<0.30	<0.5	<0.50	<0.50	<0.70	<0.70	<0.40	<0.40	<0.40	<0.40	<0.30	<0.30										
1,2,4-Trimethylbenzene		<1	<1	<1		2.1	<0.7	<0.6	<0.6	<0.2	<0.10	<0.2	<0.50	<0.50	<0.50	<0.40	<0.50	<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		
1,2-Dibromo-3-chloropropane		<3	<3	<3		<3	<0.3	<0.3	<0.3	<0.3	<0.40	<0.3	<0.40	<0.40	<0.40	<1.1	<0.30	<0.40	<0.40	<0.40	<0.40	<0.50										
1,2-Dibromoethane		<2	<2	<2		<2	<0.2	<0.4	<0.4	<0.3	<0.10	<0.3	<0.30	<0.30	<0.60	<0.50	<0.13	<0.13	<0.13	<0.13	<0.16	<0.30										
1,2-Dichlorobenzene		<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	<0.50	<0.40	<0.40	<0.40	<0.23	<0.40										
1,2-Dichloroethane	<5	<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	<0.50	<0.30	<0.30	<0.30	<0.30	<0.30										
cis-1,2-Dichloroethene		<1	<1	<1	<1	<1	<0.2	<0.2	<0.2	<0.4	<0.20	<0.4	<0.50	<0.50	<0.60	<0.40	<0.40	<0.40	<0.40	<0.40	<0.25	<0.30										
trans-1,2-Dichloroethene	<5	<1	<1	<1	<1	<1	<0.2	<0.3	<0.3	<0.8	<0.10	<0.8	<0.40	<0.40	<0.60	<0.40	<0.50	<0.50	<0.50	<0.50	<0.25	<0.30										
1,2-Dichloropropane	<5	<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	<0.50	<0.21	<0.21	<0.21	<0.22	<0.29										
1,3,5-Trimethylbenzene		<1	<1	<1		<1	<0.4	<0.3	<0.3	<0.3	<0.10	<0.3	<0.50	<0.50	<0.50	<0.50	<0.40	<0.19	<0.19	<0.19	<0.23	<0.30										
1,3-Dichlorobenzene		<1	<1	<1	<1	<1	<0.7	<0.4	<0.4	<0.4	<0.10	<0.4	<0.50	<0.50	<0.50	<0.40	<0.40	<0.40	<0.40	<0.40	<0.26	<0.30										
cis-1,3-Dichloropropene	<5		<1	<1	<1	<1	<0.3	<0.3	<0.3	<0.2	<0.10	<0.2	<0.60	<0.60	<0.12	<0.15	<0.14	<0.14	<0.14	<0.14	<0.19	<0.28										
1,3-Dichloropropane		<1	<1	<1		<1	<0.3	<0.6	<0.6	<0.4	<0.10	<0.4	<1.2	<1.2	<0.60	<0.50	<0.19	<0.19	<0.19	<0.19	<0.23	<0.30										
trans-1,3-Dichloropropene	<5	0	<1	<1	<1	<1	<0.2	<0.2	<0.2	<0.5	<0.10	<0.5	<0.70	<0.70	<0.70	<0.14	<0.14	<0.14	<0.14	<0.14	<0.19	<0.30										
1,4-Dichlorobenzene		<1	<1	<1	<1	<1	<0.3	<0.3	<0.3	<0.4	<0.10	<0.4	<0.50	<0.50	<0.50	<0.60	<0.50	<0.50	<0.50	<0.50	<0.23	<0.30										
2,2-Dichloropropane		<1	<1	<1		<1	<0.2	<0.5	<0.5	<0.2	<0.20	<0.2	<0.60	<0.60	<0.60	<0.60	<0.30	<0.30	<0.30	<0.30	<0.25	<0.28										
2-Butanone (MEK)	<10															<7.0	<5.0	<4.0	<4.0	<4.0	<4.0	<2.4	<3.0									
2-Chloroethyl vinyl ether					<10																											
2-Chlorotoluene		<1	<1	<1		<1	<0.4	<0.3	<0.3	<0.4	<0.10	<0.4	<0.60	<0.60	<0.60	<0.50	<0.50	<0.30	<0.30	<0.30	<0.22	<0.30										
2-Hexanone	<10															<7.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0									
4-Chlorotoluene		<1	<1	<1		<1	<0.3	<0.3	<0.3	<0.3	<0.20	<0.3	<0.60	<0.60	<0.60	<0.40	<0.60	<0.30	<0.30	<0.30	<0.21	<0.29										
4-Methyl-2-Pentanone (MIBK)	<10															<7.0	<6.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0									
Acetone	<10															<9.0	<10.0	<7.0	<7.0	<7.0	<7.0	<5.0	<5.0									
Benzene	<5	<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	<0.16	<0.16	<0.16	<0.16	<0.19	<0.30										
Bromobenzene		<1	<1	<1		<1	<0.3	<0.2	<0.2	<0.5	<0.10	<0.5	<0.50	<0.50	<0.50	<0.60	<0.30	<0.30	<0.30	<0.30	<0.20	<0.30										
Bromochloromethane			<1	<1		<1	<0.4	<0.2	<0.2	<0.4	<0.10	<0.4	<0.50	<0.50	<0.50	<0.70	<0.21	<0.21	<0.21	<0.21	<0.22	<0.40										
Bromodichloromethane	<5	<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	<0.15	<0.19	<0.19	<0.19	<0.20	<0.30										

Volatile Organic Compounds - Historical Data
 WAULECO, INC - Wausau Facility
 Well - W12

Parameter	12/17/92	06/29/93	12/28/93	06/21/94	07/06/95	07/08/96	07/11/97	06/23/98	06/08/99	07/17/00	01/30/01	07/10/01	08/05/02	07/22/03	07/13/04	07/19/05	07/19/06	07/09/07	07/23/08	07/06/09	07/14/10	07/18/11	07/09/12	07/01/13	07/07/14	07/06/15	07/05/16	07/11/17	07/11/18	07/08/19	07/06/20
Bromoform	<5		<1	<1	<1	<1	<0.3	<0.2	<0.2	<0.1	<0.20	<0.1	<0.60	<0.60	<0.60	<0.50	<0.21	<0.50	<0.50	<0.50	<0.22	<0.24									
Bromomethane	<10		<2	<2	<2	<2	<0.3	<0.9	<0.9	<0.4	<0.40	<0.4	<0.80	<0.80	<0.80	<0.90	<0.40	<0.40	<0.40	<0.40	<0.50	<0.30									
n-Butylbenzene		<1	<1	<1		<1	<0.6	<0.3	<0.3	<0.4	<0.10	<0.4	<0.50	<0.50	<0.50	<0.60	<0.40	<0.24	<0.24	<0.24	<0.23	<0.29									
sec-Butylbenzene		<1	<1	<1		<1	<0.3	<0.2	<0.2	<0.3	0.28	<0.3	<0.50	<0.50	<0.50	<0.50	<0.50	<0.29	<0.29	<0.29	<0.21	<0.30									
tert-Butylbenzene		<1	<1	<1		<1	<0.3	<0.3	<0.3	<0.1	0.15	<0.1	<0.50	<0.50	<0.50	<0.50	<0.50	<0.23	<0.23	<0.23	<0.20	<0.40									
Carbon disulfide	<5															<1.1	<1.0	<0.50	<0.50	<0.50	<0.50	<0.60									
Carbon tetrachloride	<5	<1	<1	<1	<1	<1	<0.2	<0.4	<0.4	<0.3	<0.10	<0.3	<0.60	<0.60	<0.60	<0.60	<0.40	<0.40	<0.40	<0.40	<0.23	<0.40									
Chlorobenzene	<5	<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	<0.40	<0.30	<0.30	<0.30	<0.24	<0.30									
Chlorodibromomethane	<5	<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	<0.60	<0.23	<0.23	<0.23	<0.19	<0.26									
Chloroethane	<10	<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	<0.60	<0.40	<0.40	<0.40	<0.40	<0.30									
Chloroform	<5	<1	<1	<1	<1	<1	5.2	1	0.7	1.6	1.8	<0.5	<0.60	<0.60	<0.60	<0.50	<0.50	0.23	<0.22	<0.22	<0.15	1.1									
Chloromethane	<10	<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	<0.30	<0.30	<0.30	0.48B	<0.40	<0.40									
Dibromomethane			<1	<1		<1	<0.1	<0.2	<0.2	<0.4	<0.20	<0.4	<0.50	<0.50	<0.50	<0.70	<0.80	<0.40	<0.40	<0.40	<0.24	<0.30									
Dichlorodifluoromethane		<2	<2	<2		<2	<0.3	<1.2	<1.2	<0.5	<0.10	<0.5	<0.50	<0.50	<0.50	<0.60	<0.29	<0.40	<0.40	<0.40	<0.26	<0.30									
Diisopropyl Ether		<1							<0.3	<0.1	<0.10	<0.1	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	<0.50	<0.50	<0.20	<0.30									
Ethylbenzene	<5	<1	<1	<1	<1	<1	<0.2	<0.2	<0.1	<0.10	<0.1	<0.10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.28	<0.28	<0.28	<0.22	<0.29									
Hexachlorobutadiene		<1	<1	<1		<1	<0.5	<0.6	<0.6	<0.6	<0.20	<0.6	<0.50	<0.50	<0.50	<0.60	<0.90	<0.60	<0.60	<0.60	<0.30	<0.40									
Isopropylbenzene		<1	<1	<1		<1	<0.2	<0.2	<0.2	<0.1	<0.10	<0.1	<0.50	<0.50	<0.50	<0.40	<0.60	<0.20	<0.20	<0.20	<0.18	<0.30									
p-Isopropyltoluene		<1	<1	<1		<1	<0.4	<0.2	<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	2.9	<0.40	<1.0	<0.50	<0.50	<0.50	<0.40	<0.40									
Naphthalene	<10	<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	<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
n-Propylbenzene		<1	<1	<1		<1	<0.3	<0.2	<0.2	<0.3	<0.10	<0.3	<0.50	<0.50	<0.50	<0.40	<0.40	<0.20	<0.20	<0.20	<0.20	<0.30									
Styrene	<5		<1	<1		<1	<0.2	<0.2	<0.2	<0.2	<0.10	<0.2	<0.50	<0.50	<0.50	<0.50	<0.30	<0.30	<0.30	<0.30	<0.20	<0.30									
Tetrachloroethene	<5	<1	<1	<1	<1	<1	<0.3	<0.6	<0.6	<0.4	0.34	<0.4	0.76	<0.50	0.83	0.74	0.65	0.53	0.6	0.70	0.61	0.62									
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	22.4	7.6	8.1	4.2	5.3	<1	<0.2	1.65	1.2	1.12	1.7	0.38 J	<0.60	<0.60	<0.60	0.21	<0.15	0.22	<0.15	0.18	<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	<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	
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	
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

Prepared By: T. Dushek, 8/7/20

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 - 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
1,1,1,2-Tetrachloroethane						<1	<0.1	<0.3	<0.3	<0.4	<0.20	<0.4	<0.90	<0.90	<0.90	<0.50	<0.70	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60
1,1,1-Trichloroethane	<5	<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	<0.50	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	
1,1,2,2-Tetrachloroethane	<5	<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	<0.13	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	
1,1,2-Trichloroethane	<5	<1	<1	<1	<1	<1	<1	<0.2	<0.2	<0.2	<0.10	<0.2	<0.90	<0.90	<0.90	<0.40	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
1,1-Dichloroethane	<5	<1	<1	<1	<1	<1	<1	<0.2	<0.2	<0.2	<0.10	<0.4	<0.50	<0.50	<0.50	<0.50	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	
1,1-Dichloroethene	<5	<1	<1	<1	<1	<1	<0.4	<0.2	<0.2	<0.9	<0.20	<0.9	<0.40	<0.40	<0.40	<0.40	<0.50	<0.30	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	
1,1-Dichloropropene						<1	<0.2	<0.3	<0.3	<0.4	<0.20	<0.4	<0.50	<0.50	<0.50	<0.50	<0.60	<0.50	<0.60	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<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	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
1,2,3-Trichloropropane						<1	<0.3	<0.2	<0.2	<0.3	<0.10	<0.3	<0.80	<0.80	<0.80	<0.60	<0.70	<0.70	<0.70	<0.70	<0.70	<0.70	<0.70	<0.70	<0.70	<0.70	<0.70	<0.70	<0.70	<0.70	
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	<0.50	<0.70	<0.70	<0.70	<0.70	<0.70	<0.70	<0.70	<0.70	<0.70	<0.70	<0.70	<0.70	<0.70	<0.70	
1,2,4-Trimethylbenzene	3.2	<1	1.4			<1	<0.7	<0.6	<0.6	<0.2	<0.10	<0.2	<0.50	<0.50	<0.50	<0.40	<0.50	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	
1,2-Dibromo-3-chloropropane	<3	<3	<3			<3	<0.3	<0.3	<0.3	<0.3	<0.40	<0.3	<0.40	<0.40	<0.40	<1.1	<0.30	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	
1,2-Dibromoethane	<2	<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	<0.50	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	
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	<0.50	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	
1,2-Dichloroethane	<5	<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	<0.50	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	
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	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	
trans-1,2-Dichloroethene	<5	<1	<1	<1	<1	<1	<0.2	<0.3	<0.3	<0.8	<0.10	<0.8	<0.40	<0.40	<0.40	<0.40	<0.50	<0.40	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
1,2-Dichloropropane	<5	<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	<0.50	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	
1,3,5-Trimethylbenzene	1.8	<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	<0.40	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	
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	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	
cis-1,3-Dichloropropene	<5	<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	<0.15	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	
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	<0.60	<0.50	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	
trans-1,3-Dichloropropene	<5	<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	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<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	<0.60	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
2,2-Dichloropropane	<1	<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	<0.60	<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	
2-Butanone (MEK)	<10															<7.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	
2-Chloroethyl vinyl ether					<10																										
2-Chlorotoluene		<1	<1	<1		<1	<0.4	<0.3	<0.3	<0.4	<0.10	<0.4	<0.60	<0.60	<0.60	<0.50	<0.50	<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	
2-Hexanone	<10															<7.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
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	<0.60	<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	
4-Methyl-2-Pentanone (MIBK)	<10															<7.0	<6.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Acetone	<10															<9.0	<10.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0
Benzene	<5	<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	<0.40	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	
Bromobenzene	<1	<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	<0.60	<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	<0.30
Bromochloromethane						<1	<0.4	<0.2	<0.2	<0.4	<0.10	<0.4	<0.50	<0.50	<0.50	<0.50	<0.50	<0.70	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	
Bromodichloromethane	<5	<1	<1	<1	<1	<1	<0.2	<0.2	<0.2	<0.2	<0.10	<0.2	<0.40	<0.40	<0.40	<0.40	<0.13	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	
Bromoform	<5	<1	<1	<1	<1	<1	<0.3	<0.2	<0.2	<0.1	<0.20	<0.1	<0.60	<0.60	<0.60	<0.60	<0.50	<0.21	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	
Bromomethane	<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	<0.90	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	
n-Butylbenzene		2.6	<1	<1	<1	<1	<0.6	<0																							

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	
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	10.6	2.3	4.9	3.4	4.6	1.98	3.3	2.95	1.8	1.5	1.5	0.72 J	<0.60	0.61	1.1 J	<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	
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	
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	

Prepared By: T. Dushek, 8/7/20

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 - W14

Parameter	12/18/92	06/29/93	12/28/93	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	07/18/06	07/09/07	07/22/08	07/06/09	07/13/10	07/18/11	07/09/12	07/01/13	
1,1,1,2-Tetrachloroethane			<1	<1		<1	<0.1	<0.3	<0.3	<0.4	<0.20	<0.4	<0.90	<0.90	<0.90	<0.50	<0.70	<0.60	<0.60	<0.60	<0.24	<0.40			
1,1,1-Trichloroethane	<5	<1	<1	<1	<10	<1	<0.3	<0.3	<0.3	<0.3	<0.20	<0.3	<0.50	<0.50	<0.50	<0.60	<0.50	<0.60	<0.60	<0.60	<0.21	<0.29			
1,1,2,2-Tetrachloroethane	<5	<1	<1	<1	<10	<1	<0.2	<0.2	<0.2	<0.4	<0.20	<0.4	<0.80	<0.80	<0.80	<0.15	<0.13	<0.14	<0.14	<0.14	<0.19	<0.30			
1,1,2-Trichloroethane	<5	<1	<1	<1	<10	<1	<1	<0.2	<0.2	<0.2	<0.10	<0.2	<0.90	<0.90	<0.90	<0.40	<0.50	<0.50	<0.50	<0.50	<0.26	<0.30			
1,1-Dichloroethane	<5	<1	<1	<1	<10	<1	<0.2	<0.2	<0.2	<0.4	<0.10	<0.4	<0.50	<0.50	<0.50	<0.50	<0.40	<0.40	<0.40	<0.40	<0.40	<0.20	<0.28		
1,1-Dichloroethene	<5	<1	<1	<1	<10	<1	<0.4	<0.2	<0.2	<0.9	<0.20	<0.9	<0.40	<0.40	<0.40	<0.50	<0.30	<0.40	<0.40	<0.40	<0.40	<0.24	<0.29		
1,1-Dichloropropene			<1	<1		<1	<0.2	<0.3	<0.3	<0.4	<0.20	<0.4	<0.50	<0.50	<0.50	<0.50	<0.60	<0.50	<0.50	<0.50	<0.24	<0.40			
1,2,3-Trichlorobenzene		<1	<1	<1		<1	<0.5	<0.4	<0.4	<0.5	<0.30	<0.5	<0.50	<0.50	<0.50	<0.60	<0.50	<0.50	<0.50	<0.50	<0.30	<0.40			
1,2,3-Trichloropropane			<1	<1		<1	<0.3	<0.2	<0.2	<0.3	<0.10	<0.3	<0.80	<0.80	<0.80	<0.60	<0.70	<0.30	<0.30	<0.30	<0.21	<0.40			
1,2,4-Trichlorobenzene		<1	<1	<1		<1	<0.5	<0.3	<0.3	<0.5	<0.30	<0.5	<0.50	<0.50	<0.50	<0.70	<0.70	<0.40	<0.40	<0.40	<0.30	<0.30			
1,2,4-Trimethylbenzene		<1	<1	<1		<1	<0.7	<0.6	<0.6	<0.2	<0.10	<0.2	<0.50	<0.50	<0.50	<0.40	<0.50	<0.24	<0.24	<0.24	<0.24	<0.20	<0.30	<0.40	
1,2-Dibromo-3-chloropropane		<3	<3	<3		<3	<0.3	<0.3	<0.3	<0.3	<0.40	<0.3	<0.40	<0.40	<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	<0.2	<0.4	<0.4	<0.3	<0.10	<0.3	<0.30	<0.30	<0.30	<0.60	<0.50	<0.13	<0.13	<0.13	<0.16	<0.30			
1,2-Dichlorobenzene		<1	<1	<1	<10	<1	<0.3	<0.3	<0.3	<0.3	<0.20	<0.3	<0.70	<0.70	<0.70	<0.50	<0.50	<0.40	<0.40	<0.40	<0.23	<0.40			
1,2-Dichloroethane	<5	<1	<1	<1	<10	<1	<0.2	<0.2	<0.2	<0.4	<0.20	<0.4	<0.90	<0.90	<0.90	<0.50	<0.50	<0.30	<0.30	<0.30	<0.30	<0.30			
cis-1,2-Dichloroethene		<1	<1	<1	<10	<1	<0.2	<0.2	<0.2	<0.4	<0.20	<0.4	<0.50	<0.50	<0.50	<0.60	<0.40	<0.40	<0.40	<0.40	<0.25	<0.30			
trans-1,2-Dichloroethene	<5	<1	<1	<1	<10	<1	<0.2	<0.3	<0.3	<0.8	<0.10	<0.8	<0.40	<0.40	<0.40	<0.60	<0.40	<0.50	<0.50	<0.50	<0.25	<0.30			
1,2-Dichloropropane	<5	<1	<1	<1	<10	<1	<0.1	<0.2	<0.2	<0.3	<0.20	<0.3	<0.40	<0.40	<0.40	<0.50	<0.50	<0.21	<0.21	<0.21	<0.22	<0.29			
1,3,5-Trimethylbenzene		<1	<1	<1		<1	<0.4	<0.3	<0.3	<0.3	<0.10	<0.3	<0.50	<0.50	<0.50	<0.50	<0.40	<0.19	<0.19	<0.19	<0.23	<0.30			
1,3-Dichlorobenzene		<1	<1	<1	<10	<1	<0.7	<0.4	<0.4	<0.4	<0.10	<0.4	<0.50	<0.50	<0.50	<0.50	<0.40	<0.40	<0.40	<0.40	<0.26	<0.30			
cis-1,3-Dichloropropene	<5		<1	<1	<10	<1	<0.3	<0.3	<0.3	<0.2	<0.10	<0.2	<0.60	<0.60	<0.60	<0.12	<0.15	<0.14	<0.14	<0.14	<0.19	<0.28			
1,3-Dichloropropane		<1	<1	<1		<1	<0.3	<0.6	<0.6	<0.4	<0.10	<0.4	<1.2	<1.2	<1.2	<0.60	<0.50	<0.19	<0.19	<0.19	<0.23	<0.30			
trans-1,3-Dichloropropene	<5		<1	<1	<10	<1	<0.2	<0.2	<0.2	<0.5	<0.10	<0.5	<0.70	<0.70	<0.70	<0.14	<0.14	<0.14	<0.14	<0.14	<0.19	<0.30			
1,4-Dichlorobenzene		<1	<1	<1	<10	<1	<0.3	<0.3	<0.3	<0.4	<0.10	<0.4	<0.50	<0.50	<0.50	<0.50	<0.60	<0.50	<0.50	<0.50	<0.23	<0.30			
2,2-Dichloropropane		<1	<1	<1		<1	<0.2	<0.5	<0.5	<0.2	<0.20	<0.2	<0.60	<0.60	<0.60	<0.60	<0.60	<0.30	<0.30	<0.30	<0.25	<0.28			
2-Butanone (MEK)	<10															<7.0	<5.0	<4.0	<4.0	<4.0	<2.4	<3.0			
2-Chloroethyl vinyl ether					<100																				
2-Chlorotoluene		<1	<1	<1		<1	<0.4	<0.3	<0.3	<0.4	<0.10	<0.4	<0.60	<0.60	<0.60	<0.50	<0.50	<0.30	<0.30	<0.30	<0.22	<0.30			
2-Hexanone	<10															<7.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0		
4-Chlorotoluene		<1	<1	<1		<1	<0.3	<0.3	<0.3	<0.3	<0.20	<0.3	<0.60	<0.60	<0.60	<0.40	<0.60	<0.30	<0.30	<0.30	<0.21	<0.29			
4-Methyl-2-Pentanone (MIBK)	<10															<7.0	<6.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		
Acetone	13.3															<9.0	<10.0	<7.0	<7.0	<7.0	<7.0	<5.0	<5.0		
Benzene	<5	<1	<1	<1	<10	<1	<0.2	<0.3	<0.3	<0.1	<0.10	<0.1	<0.40	<0.40	<0.40	<0.40	<0.40	<0.16	<0.16	<0.16	<0.19	<0.30			
Bromobenzene		<1	<1	<1		<1	<0.3	<0.2	<0.2	<0.5	<0.10	<0.5	<0.50	<0.50	<0.50	<0.50	<0.60	<0.30	<0.30	<0.30	<0.20	<0.30			
Bromochloromethane			<1	<1		<1	<0.4	<0.2	<0.2	<0.4	<0.10	<0.4	<0.50	<0.50	<0.50	<0.50	<0.70	<0.21	<0.21	<0.21	<0.22	<0.40			
Bromodichloromethane	<5	<1	<1	<1	30	<1	<0.2	0.3	<0.2	<0.2	<0.10	<0.2	<0.40	<0.40	<0.40	<0.13	<0.15	<0.19	<0.19	<0.19	<0.20	<0.30			

Volatile Organic Compounds - Historical Data
WAULECO, INC - Wausau Facility
Well - W14

Parameter	12/18/92	06/29/93	12/28/93	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	07/18/06	07/09/07	07/22/08	07/06/09	07/13/10	07/18/11	07/09/12	07/01/13	
Bromoform	<5		<1	<1	<10	<1	<0.3	<0.2	<0.2	<0.1	<0.20	<0.1	<0.60	<0.60	<0.60	<0.50	<0.21	<0.50	<0.50	<0.50	<0.22	<0.24			
Bromomethane	<10		<2	<2	<10	<2	<0.3	<0.9	<0.9	<0.4	<0.40	<0.4	<0.80	<0.80	<0.80	<0.80	<0.90	<0.40	<0.40	<0.40	<0.40	<0.50	<0.30		
n-Butylbenzene		<1	<1	<1		<1	<0.6	<0.3	<0.3	<0.4	<0.10	<0.4	<0.50	<0.50	<0.50	<0.60	<0.40	<0.24	<0.24	<0.24	<0.24	<0.23	<0.29		
sec-Butylbenzene		<1	<1	<1		<1	<0.3	<0.2	<0.2	<0.3	<0.20	<0.3	<0.50	<0.50	<0.50	<0.50	<0.50	<0.29	<0.29	<0.29	<0.29	<0.21	<0.30		
tert-Butylbenzene		<1	<1	<1		<1	<0.3	<0.3	<0.3	<0.1	<0.10	<0.1	<0.50	<0.50	<0.50	<0.50	<0.50	<0.23	<0.23	<0.23	<0.23	<0.20	<0.40		
Carbon disulfide	<5															<1.1	<1.0	<0.50	<0.50	<0.50	<0.50	<0.60	<0.60		
Carbon tetrachloride	<5	<1	<1	<1	<10	<1	<0.2	<0.4	<0.4	<0.3	<0.10	<0.3	<0.60	<0.60	<0.60	<0.50	<0.50	<0.40	<0.40	<0.40	<0.40	<0.23	<0.40		
Chlorobenzene	<5	<1	<1	<1	<10	<1	<0.3	<0.3	<0.3	<0.3	<0.10	<0.3	<0.80	<0.80	<0.80	<0.50	<0.40	<0.30	<0.30	<0.30	<0.30	<0.24	<0.30		
Chlorodibromomethane	<5	<1	<1	<1	<10	<1	<0.3	<0.3	<0.3	<0.4	<0.20	<0.4	<0.40	<0.40	<0.40	<0.60	<0.60	<0.23	<0.23	<0.23	<0.23	<0.19	<0.26		
Chloroethane	<10	<2	<2	<2	<20	<2	<0.4	<0.8	<0.8	<0.5	<0.40	<0.5	<0.50	<0.50	<0.50	<0.70	<0.60	<0.40	<0.40	<0.40	<0.40	<0.40	<0.30		
Chloroform	<5	<1	<1	<1	<10	<1	22	22	<0.2	<0.5	<0.10	<0.5	<0.60	<0.60	<0.60	<0.50	<0.50	<0.22	<0.22	<0.22	<0.22	<0.15	<0.23		
Chloromethane	<10	<2	<2	<2	<20	<2	<0.7	<0.9	<0.9	<0.3	<0.20	<0.3	<0.40	<0.40	<0.40	<0.24	<0.30	<0.30	0.84B	<0.30	<0.40	<0.40	<0.40		
Dibromomethane			<1	<1		<1	<0.1	<0.2	<0.2	<0.4	<0.20	<0.4	<0.50	<0.50	<0.50	<0.70	<0.80	<0.40	<0.40	<0.40	<0.40	<0.24	<0.30		
Dichlorodifluoromethane		<2	<2	<2		<2	<0.3	<1.2	<0.5	<0.10	<0.5	<0.50	<0.50	<0.50	<0.50	<0.60	<0.29	<0.40	<0.40	<0.40	<0.40	<0.26	<0.30		
Diisopropyl Ether		<1							<0.3	<0.1	<0.10	<0.1	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	<0.50	<0.50	<0.50	<0.20	<0.30		
Ethylbenzene	<5	<1	<1	<1	33	<1	<0.2	<0.2	<0.2	<0.1	<0.10	<0.1	<0.50	<0.50	<0.50	<0.50	<0.50	<0.28	<0.28	<0.28	<0.28	<0.22	<0.29		
Hexachlorobutadiene		<1	<1	<1		<1	<0.5	<0.6	<0.6	<0.6	<0.20	<0.6	<0.50	<0.50	<0.50	<0.60	<0.90	<0.60	<0.60	<0.60	<0.60	<0.30	<0.40		
Isopropylbenzene		<1	<1	<1		<1	<0.2	<0.2	<0.2	<0.1	<0.10	<0.1	<0.50	<0.50	<0.50	<0.40	<0.60	<0.20	<0.20	<0.20	<0.20	<0.18	<0.30		
p-Isopropyltoluene		<1	<1	<1		<1	<0.4	<0.2	<0.2	<0.2	<0.10	<0.2	<0.50	<0.50	<0.50	<0.40	<0.40	<0.17	<0.17	<0.17	<0.17	<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	<0.23	<0.29	<0.30		
Methylene chloride	<10	<3	<3	<3	<30	<3	<0.3	<0.5	<0.5	<1.9	<0.40	<1.9	<1.0	2.9 J.A.B.Q	<0.40	<1.0	<0.50	<0.50	<0.50	<0.50	<0.40	<0.40	<0.40		
Naphthalene		<1	<1	<1	110	<1	<0.8	<1.1	<1.1	<0.7	<0.20	<0.7	<0.50	<0.50	<0.50	<0.60	<0.70	<0.60	<0.60	<0.60	<0.60	<0.40	<0.40	<0.31	<0.50
n-Propylbenzene		<1	<1	<1		<1	<0.3	<0.2	<0.2	<0.3	<0.10	<0.3	<0.50	<0.50	<0.50	<0.40	<0.40	<0.20	<0.20	<0.20	<0.20	<0.20	<0.30		
Styrene	<5		<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	<0.30	<0.20	<0.30		
Tetrachloroethene	<5	2	1.8	1.4	<10	<1	<0.3	0.9	<0.6	<0.4	0.25	<0.4	<0.50	<0.50	<0.50	<0.40	<0.29	<0.40	<0.40	<0.40	<0.40	<0.30	<0.30		
Tetrahydrofuran																<7.0	<7.0	<4.0	<4.0	<4.0	<4.0	<3.0	<4.0		
Toluene	<5	<1	<1	<1	<10	<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	<0.20	<0.22	<0.30		
Trichloroethene	<5	<1	<1	<1	41	<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	<0.15	<0.21	<0.40		
Trichlorofluoromethane		<1	<1	<1	<10	<1	<0.5	<0.6	<0.6	<0.4	<0.20	<0.4	<0.40	<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	<1.1	<3.0	<4.0		
Vinyl chloride	<10	<1	<1	<1	<10	<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	120	<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		
Xylene, o-		<1	<1	<1	200	<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	<0.50	<0.24	<0.29	<0.50	
Xylenes, Total	<5																<1.5	<1.0	<1.0	<1.0	<1.0	<0.89	<1.40		

Prepared By: T. Dushak, 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 - 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				
1,1,1,2-Tetrachloroethane																																			
1,1,1-Trichloroethane	<5	<1	<1	<1	<1	<1	<1	<0.3	<0.3	<0.3	<0.4	<0.20	<0.4	<0.90	<0.90	<0.50	<0.70	<0.60	<0.60	<0.60	<0.24	<0.40													
1,1,2,2-Tetrachloroethane	<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	<0.13	<0.14	<0.14	<0.14	<0.19	<0.30												
1,1,2-Trichloroethane	<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	<0.50	<0.50	<0.50	<0.50	<0.26	<0.30												
1,1-Dichloroethane	<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	<0.40	<0.40	<0.40	<0.40	<0.20	<0.28												
1,1-Dichloroethene	<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	<0.30	<0.40	<0.40	<0.40	<0.24	<0.29												
1,1-Dichloropropene		<1	<1	<1	<1	<1	<1	<0.2	<0.3	<0.3	<0.4	<0.20	<0.4	<0.50	<0.50	<0.50	<0.60	<0.50	<0.50	<0.50	<0.24	<0.40													
1,2,3-Trichlorobenzene		<1	<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	<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	<0.3	<0.10	<0.3	<0.80	<0.80	<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	<0.5	<0.3	<0.3	<0.5	<0.30	<0.5	<0.50	<0.50	<0.50	<0.70	<0.70	<0.40	<0.40	<0.40	<0.30	<0.30												
1,2,4-Trimethylbenzene		<1	<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	<0.50	<0.24	<0.24	<0.24	<0.20	0.46												
1,2-Dibromo-3-chloropropane		<3	<3	<3				<3	<0.3	<0.3	<0.3	<0.40	<0.3	<0.40	<0.40	<0.40	<1.1	<0.30	<0.24	<0.40	<0.40	<0.40	<0.40	<0.50	<0.40	<0.60	<0.50	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	
1,2-Dibromoethane		<2	<2	<2				<2	<0.4	<0.4	<0.3	<0.10	<0.3	<0.30	<0.30	<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	<0.3	<0.3	<0.3	<0.3	<0.20	<0.3	<0.70	<0.70	<0.70	<0.50	<0.50	<0.40	<0.40	<0.40	<0.40	<0.23	<0.40											
1,2-Dichloroethane	<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	<0.50	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30											
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	<0.40	<0.40	<0.40	<0.40	<0.25	<0.30												
trans-1,2-Dichloroethene	<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	<0.40	<0.60	<0.50	<0.50	<0.50	<0.25	<0.30												
1,2-Dichloropropane	<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	<0.50	<0.21	<0.21	<0.21	<0.22	<0.29												
1,3,5-Trimethylbenzene		<1	<1	<1	<1	<1	<1	<0.4	<0.3	<0.3	<0.3	<0.10	<0.3	<0.50	<0.50	<0.50	<0.40	<0.19	<0.19	<0.19	<0.19	<0.23	<0.30												
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	<0.40	<0.40	<0.40	<0.40	<0.26	<0.30												
cis-1,3-Dichloropropene	<5		<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	<0.15	<0.14	<0.14	<0.14	<0.19	<0.28												
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	<0.60	<0.50	<0.19	<0.19	<0.19	<0.23	<0.30												
trans-1,3-Dichloropropene	<5		<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	<0.14	<0.14	<0.14	<0.14	<0.19	<0.30												
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	<0.60	<0.50	<0.50	<0.50	<0.50	<0.23	<0.30												
2,2-Dichloropropane		<1	<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	<0.30	<0.30	<0.30	<0.30	<0.25	<0.28												
2-Butanone (MEK)	<10															<7.0	<5.0	<4.0	<4.0	<4.0	<4.0	<2.4	<3.0												
2-Chloroethyl vinyl ether					<10																														
2-Chlorotoluene		<1	<1	<1		<1	<0.4	<0.3	<0.3	<0.4	<0.10	<0.4	<0.60	<0.60	<0.60	<0.50	<0.50	<0.30	<0.30	<0.30	<0.30	<0.22	<0.30												
2-Hexanone	<10															<7.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0											
4-Chlorotoluene	<0	<1	<1	<1		<1	<0.3	<0.3	<0.3	<0.3	<0.20	<0.3	<0.60	<0.60	<0.60	<0.40	<0.60	<0.30	<0.30	<0.30	<0.30	<0.21	<0.29												
4-Methyl-2-Pentanone (MIBK)	<10																<7.0	<6.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0											
Acetone	18.3																<9.0	<10.0	<7.0	<7.0	<7.0	<5.0	<5.0	<5.0											
Benzene	<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	<0.16	<0.16	<0.16	<0.16	<0.19	<0.30												
Bromobenzene		<1	<1	<1	0	<1	<0.3	<0.2	<0.2	<0.5	<0.10	<0.5	<0.50	<0.50	<0.50	<0.50	<0.60	<0.30	<0.30	<0.30	<0.30	<0.20	<0.30												
Bromochloromethane			<1	<1	0	<1	<0.4	<0.2	<0.2	<0.4	<0.10	<0.4	<0.50	<0.50	<0.50	<0.50	<0.70	<0.21	<0.21	<0.21	<0.21	<0.22	<0.40												
Bromodichloromethane	<5	<1	<1	<1	<1	2.957	<0.2	<0.2	<0.2	<0.2	<0.10	<0.2	<0.40	<0.40	<0.40	<0.40	<0.13	<0.15	<0.19	<0.19	<0.19	<0.19	<0.20	<0.30											
Bromoform	<5		<1	<1	<1	<1	<0.3	<0.2	<0.2	<0.1	<0.20	<0.1	<0.60	<0.60	<0.60	<0.50	<0.21	<0.50	<0.50	<0.50	<0.50	<0.22	<0.24												
Bromomethane	<10		<2	<2	<2	<2	<0.3	<0.9	<0.9	<0.4	<0.40	<0.4	<0.80	<0.80	<0.80	<0.80	<0.90	<0.40	<0.40	<0.40	<0.40	<0.50	<0.30												
n-Butylbenzene		<1</																																	

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	
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	1.3	<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	0.44										
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	
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	0.9		<0.50	<0.50	<0.50	<0.40	<0.40	<0.40	<0.40	<0.40	
Xylenes, Total	<5																<1.5	<1.0	<1.0	<1.0	<1.0	0.9		<1.4	<1.5	<1.6	<1.2	<1.2	<1.2	<1.2	<1.2	

Prepared By: T. Dushek, 8/7/20

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 - 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
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	6.7	<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	150	200	95	180	190	260	270	92	60			92	78	71	20	29	36	22	32
1,2-Dibromo-3-chloropropane	<2.0	<11.	<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	57	72	33	72	79	110	120	39	19										
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	<2.0	<2.0	<2.0	<2.0	<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	23	<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	78	42	9.1	20	<1.2	37	41	9	4.4										
sec-Butylbenzene	21	16	12	15	15	27	26	8.3	17										
tert-Butylbenzene	<2.5	7.2	4.8	6.8	7.5	8.9	9	4	6.2										
Carbon disulfide		<11.	<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
Chloroform	<3.0	<5.0	<0.50	<1.1	<1.1	<1.1	<1.1	<0.15	<0.23										
Chloromethane	<2.0	<2.4	0.32	<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	2.1	2										
Hexachlorobutadiene	<2.5	<6.0	<0.90	<3.0	<3.0	<3.0	<3.0	<0.30	<0.40										
Isopropylbenzene	4.1 J	<4.0	3.2	3.3	6.4	5	5.4	3.4	8.8										
p-Isopropyltoluene	16	28 A	12	24	21	41	45	7.4	4.2										
Methyl tert-butyl ether	<2.5	<6.0	<0.40	<1.2	<1.2	<1.2	<1.2	<0.29	<0.30										
Methylene chloride	19 J,A,B,Q	<4.0	<1.0	3	<2.5	<2.5	<2.5	<0.40	<0.40										
Naphthalene	16	<6.0	17	13	24	32	38	4.6	<0.40	<0.32	<0.32	19	8.5	6.9	3.4	7.1	4	2.7	1.9
n-Propylbenzene	<2.5	<4.0	1.9	2	1.5	4.6	4.9	3.5	4										
Styrene	<2.5	<5.0	<0.50	<1.5	<1.5	<1.5	<1.5	<0.20	<0.30										
Tetrachloroethene	<2.5	<4.0	0.43	<2.0	<2.0	<2.0	<2.0	0.73	0.67										
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	11	18	14	10	10	7.6	8.4	1.1	0.75										
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	<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-	5.2 J	<10.	4.4	4.9	3.7	5	5.8	3.9	2.9			2.8	<2.0	<2.2	<1.6	<0.80	<0.80	<0.80	<0.80
Xylene, o-	27	12	16	17	20	20	21	18	4.4			22	22	8.9	4.1	6.7	6.6	4.2	4.7
Xylenes, Total		12	20.4	21.9	23.7	25	26.8	21.9	7.3			24.8	22	8.9	4.1	6.7	6.6	4.2	4.7

Prepared By: T. Dushek, 8/7/20

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 - 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
1,1,1,2-Tetrachloroethane				<1		<1	<1		<1	<0.1	<0.3	<0.3	<0.20	<0.4	<0.90	<0.90
1,1,1-Trichloroethane	<50	<50	<5	<1	<1	<1	<1	<1	<1	<0.3	<0.3	<0.3	<0.20	<0.3	<0.50	<0.50
1,1,2,2-Tetrachloroethane	<50	<50	<5	<1	<1	<1	<1	1.3	<1	<0.2	<0.2	<0.2	<0.20	<0.4	<0.80	<0.80
1,1,2-Trichloroethane	<50	<50	<5	<1	<1	<1	<1	<1	<1	<1	<0.2	<0.2	<0.10	<0.2	<0.90	<0.90
1,1-Dichloroethane	<50	<50	<5	<1	<1	<1	<1	<1	<1	<0.2	<0.2	<0.2	<0.10	<0.4	<0.50	<0.50
1,1-Dichloroethene	<50	<50	<5	<1	<1	<1	<1	<1	<1	<0.4	<0.2	<0.2	<0.20	<0.9	<0.40	<0.40
1,1-Dichloropropene				<1		<1	<1		<1	<0.2	<0.3	<0.3	<0.20	<0.4	<0.50	<0.50
1,2,3-Trichlorobenzene				<1	<1	<1	<1		<1	<0.5	<0.4	<0.4	<0.30	<0.5	<0.50	<0.50
1,2,3-Trichloropropane				<1		<1	<1		<1	<0.3	<0.2	<0.2	<0.10	<0.3	<0.80	<0.80
1,2,4-Trichlorobenzene				<1	<1	<1	<1		<1	<0.5	<0.3	<0.3	<0.30	<0.5	<0.50	<0.50
1,2,4-Trimethylbenzene				600	330	600	480		204.1	380	50	<0.6	<0.10	<0.2	<0.50	<0.50
1,2-Dibromo-3-chloropropane				<3	<3	<3	<3		<3	<0.3	<0.3	<0.3	<0.40	<0.3	<0.40	<0.40
1,2-Dibromoethane				<2	<2	<2	<2		<2	<0.2	<0.4	<0.4	<0.10	<0.3	<0.30	<0.30
1,2-Dichlorobenzene				<1	<1	<1	<1	<1	<1	<0.3	<0.3	<0.3	<0.20	<0.3	<0.70	<0.70
1,2-Dichloroethane	<50	<50	<5	<1	<1	<1	<1	<1	<1	<0.2	<0.2	<0.2	<0.20	<0.4	<0.90	<0.90
cis-1,2-Dichloroethene				<1	<1	<1	<1	<1	<1	<0.2	0.2	0.2	<0.20	<0.4	<0.50	<0.50
trans-1,2-Dichloroethene	<50	<50	<5	<1	<1	<1	<1	<1	<1	<0.2	<0.2	<0.2	<0.10	<0.8	<0.40	<0.40
1,2-Dichloropropane	<50	<50	<5	<1	<1	<1	<1	<1	<1	<0.1	<0.2	<0.2	<0.20	<0.3	<0.40	<0.40
1,3,5-Trimethylbenzene				3.4	28	11	10		5.4	<0.4	<0.3	<0.3	<0.10	<0.3	<0.50	<0.50
1,3-Dichlorobenzene				<1	<1	<1	<1	<1	<1	<0.7	<0.4	<0.4	<0.10	<0.4	<0.50	<0.50
cis-1,3-Dichloropropene	<50	<50	<5	<1		<1	<1	<1	<1	<0.3	<0.3	<0.3	<0.10	<0.2	<0.60	<0.60
1,3-Dichloropropane				<1	<1	<1	<1	<1	<1	<0.3	<0.6	<0.6	<0.10	<0.4	<1.2	<1.2
trans-1,3-Dichloropropene	<50	<50	<5	<1		<1	<1	<1	<1	<0.2	<0.2	<0.2	<0.10	<0.5	<0.70	<0.70
1,4-Dichlorobenzene				<1	<1	<1	<1	<1	<1	<0.3	<0.3	<0.3	<0.10	<0.4	<0.50	<0.50
2,2-Dichloropropane				<1	<1	<1	<1		<1	<0.2	<0.5	<0.5	<0.20	<0.2	<0.60	<0.60
2-Butanone (MEK)	<100	<100	<10													
2-Chloroethyl vinyl ether								<10								
2-Chlorotoluene				<1	<1	<1	<1		<1	<0.4	<0.3	<0.3	<0.10	<0.4	<0.60	<0.60
2-Hexanone	<100	<100	<10													
4-Chlorotoluene				<1	<1	<1	<1		<1	<0.3	<0.3	<0.3	<0.20	<0.3	<0.60	<0.60
4-Methyl-2-Pentanone (MIBK)	<100	<100	<10													
Acetone	<100	1950	25													
Benzene	<50	<50	<5	2.1	1.7	3.2	2.3	<1	<1	<0.2	1.1	<0.3	<0.10	<0.1	<0.40	<0.40
Bromobenzene				<1	<1	<1	<1		<1	<0.3	<0.2	<0.2	<0.10	<0.5	<0.50	<0.50
Bromochloromethane				<1		<1	<1		<1	<0.4	<0.2	<0.2	<0.10	<0.4	<0.50	<0.50
Bromodichloromethane	<50	<50	<5	<1	<1	<1	<1	<1	<1	<0.2	<0.2	<0.2	<0.10	<0.2	<0.40	<0.40
Bromoform	<50	<50	<5	<1		<1	<1	<1	<1	<0.3	<0.2	<0.2	<0.20	<0.1	<0.60	<0.60
Bromomethane	<100	<100	<10	<2		<2	<2	<2	<2	<0.3	<0.9	<0.9	<0.40	<0.4	<0.80	<0.80
n-Butylbenzene				100	40	45	41		27.1	22	6.5	<0.3	<0.10	<0.4	<0.50	<0.50
sec-Butylbenzene				28	14	21	21		16.1	14	10	0.7	<0.20	<0.3	<0.50	<0.50
tert-Butylbenzene				<1	<1	<1	180		<1	<0.3	3.8	<0.3	<0.10	<0.1	<0.50	<0.50
Carbon disulfide	<50	<50	<5													
Carbon tetrachloride	<50	<50	<5	<1	<1	<1	<1	<1	<1	<0.2	<0.4	<0.4	<0.10	<0.3	<0.60	<0.60
Chlorobenzene	<50	<50	<5	<1	<1	<1	<1	<1	<1	<0.3	<0.3	<0.3	<0.10	<0.3	<0.80	<0.80
Chlorodibromomethane	<50	<50	<5	<1	<1	<1	<1	<1	<1	<0.3	<0.3	<0.3	<0.20	<0.4	<0.40	<0.40
Chloroethane	<100	<100	<10	<2	<2	<2	<2	<2	<2	<0.4	<0.8	<0.8	<0.40	<0.5	<0.50	<0.50
Chloroform	<50	<50	<5	<1	<1	<1	<1	<1	<1	<0.2	<0.2	<0.2	<0.10	<0.5	<0.60	<0.60
Chloromethane	<100	<100	<10	<2	<2	<2	<2	<2	<2	<0.7	<0.9	<0.9	<0.20	<0.3	<0.40	<0.40
Dibromomethane				<1		<1	<1		<1	<0.1	<0.2	<0.2	<0.20	<0.4	<0.50	<0.50
Dichlorodifluoromethane				<2	<5	<2	<2		<2	<0.3	<1.2	<1.2	<0.10	<0.5	<0.50	<0.50

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
Diisopropyl Ether					<1							<0.3	<0.10	<0.1	<0.50	<0.50
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
Hexachlorobutadiene				<1	<1	<1	<1		<1	<0.5	<0.6	<0.6	<0.20	<0.6	<0.50	<0.50
Isopropylbenzene				36	19	33	28		15.1	16	6.6	<0.2	<0.10	<0.1	<0.50	<0.50
p-Isopropyltoluene				<1	5.7	<1	1.8		<1	<0.4	<0.2	<0.2	<0.10	<0.2	<0.50	<0.50
Methyl tert-butyl ether					<1							<0.2	<0.30	<1.1	<0.50	<0.50
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
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
n-Propylbenzene				33	30	54	40		20.2	26	7.2	<0.2	<0.10	<0.3	<0.50	<0.50
Styrene	<50	<50	<5	<1		<1	<1		<1	<0.2	<0.2	<0.2	<0.10	<0.2	<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
Tetrahydrofuran																
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
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
Trichlorofluoromethane				<1	<1	<1	<1	<1	<1	<0.5	<0.6	<0.6	<0.20	<0.4	<0.40	<0.40
Vinyl acetate	<100	<100	<10													
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
Xylene, m & p-				19	34	39	32	12	10.7	<0.4	3.2	<0.3	<0.20	<0.2	<0.60	<0.60
Xylene, o-				160	120	170	16	29	34.5	54	4.8	<0.5	<0.10	<0.1	<0.50	<0.50
Xylenes, Total	123	122	195													

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

Parameter	07/12/04	07/18/05	07/18/06	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
1,1,1,2-Tetrachloroethane	<0.90	<0.50	<0.70	<0.60	<0.60	<0.60	<0.24	<0.40									
1,1,1-Trichloroethane	<0.50	<0.60	<0.50	<0.60	<0.60	<0.60	<0.21	<0.29									
1,1,2,2-Tetrachloroethane	<0.80	<0.15	<0.13	<0.14	<0.14	<0.14	<0.19	<0.30									
1,1,2-Trichloroethane	<0.90	<0.40	<0.50	<0.50	<0.50	<0.50	<0.26	<0.30									
1,1-Dichloroethane	<0.50	<0.50	<0.40	<0.40	<0.40	<0.40	<0.20	<0.28									
1,1-Dichloroethene	<0.40	<0.50	<0.30	<0.40	<0.40	<0.40	<0.24	<0.29									
1,1-Dichloropropene	<0.50	<0.50	<0.60	<0.50	<0.50	<0.50	<0.24	<0.40									
1,2,3-Trichlorobenzene	<0.50	<0.60	<0.50	<0.50	<0.50	<0.50	<0.30	<0.40									
1,2,3-Trichloropropane	<0.80	<0.60	<0.70	<0.30	<0.30	<0.30	<0.21	<0.40									
1,2,4-Trichlorobenzene	<0.50	<0.70	<0.40	<0.40	<0.40	<0.40	<0.30	<0.30									
1,2,4-Trimethylbenzene	<0.50	<0.40	<0.50	<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
1,2-Dibromo-3-chloropropane	<0.40	<1.1	<0.30	<0.40	<0.40M	<0.40	<0.40	<0.50									
1,2-Dibromoethane	<0.30	<0.60	<0.50	<0.13	<0.13	<0.13	<0.16	<0.30									
1,2-Dichlorobenzene	<0.70	<0.50	<0.50	<0.40	<0.40	<0.40	<0.23	<0.40									
1,2-Dichloroethane	<0.90	<0.50	<0.50	<0.30	<0.30	<0.30	<0.30	<0.30									
cis-1,2-Dichloroethene	<0.50	<0.60	<0.40	<0.40	<0.40	<0.40	<0.25	<0.30									
trans-1,2-Dichloroethene	<0.40	<0.60	<0.40	<0.50	<0.50	<0.50	<0.25	<0.30									
1,2-Dichloropropane	<0.40	<0.50	<0.50	<0.21	<0.21	<0.21	<0.22	<0.29									
1,3,5-Trimethylbenzene	<0.50	<0.50	<0.40	<0.19	<0.19	<0.19	<0.23	<0.30									
1,3-Dichlorobenzene	<0.50	<0.50	<0.40	<0.40	<0.40	<0.40	<0.26	<0.30									
cis-1,3-Dichloropropene	<0.60	<0.12	<0.15	<0.14	<0.14	<0.14	<0.19	<0.28									
1,3-Dichloropropane	<1.2	<0.60	<0.50	<0.19	<0.19	<0.19	<0.23	<0.30									
trans-1,3-Dichloropropene	<0.70	<0.14	<0.14	<0.14	<0.14	<0.14	<0.19	<0.30									
1,4-Dichlorobenzene	<0.50	<0.50	<0.60	<0.50	<0.50	<0.50	<0.23	<0.30									
2,2-Dichloropropane	<0.60	<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	<0.60	<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	<0.60	<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	<0.40	<0.16	<0.16	<0.16	<0.19	<0.30									
Bromobenzene	<0.50	<0.50	<0.60	<0.30	<0.30	<0.30	<0.20	<0.30									
Bromochloromethane	<0.50	<0.50	<0.70	<0.21	<0.21	<0.21	<0.22	<0.40									
Bromodichloromethane	<0.40	<0.13	<0.15	<0.19	<0.19	<0.19	<0.20	<0.30									
Bromoform	<0.60	<0.50	<0.21	<0.50	<0.50	<0.50	<0.22	<0.24									
Bromomethane	<0.80	<0.80	<0.90	<0.40	<0.40	<0.40	<0.40	<0.30									
n-Butylbenzene	<0.50	14	<0.40	<0.24	<0.24	<0.24	<0.23	0.41									
sec-Butylbenzene	<0.50	8	<0.50	<0.29	<0.29	<0.29	<0.21	17									
tert-Butylbenzene	<0.50	5.6	<0.50	<0.23	<0.23	<0.23	<0.20	5.7									
Carbon disulfide		<1.1	<1.0	<0.50	<0.50	<0.50	<0.50	<0.60									
Carbon tetrachloride	<0.60	<0.50	<0.50	<0.40	<0.40	<0.40	<0.23	<0.40									
Chlorobenzene	<0.80	<0.50	<0.40	<0.30	<0.30	<0.30	<0.24	<0.30									
Chlorodibromomethane	<0.40	<0.60	<0.60	<0.23	<0.23	<0.23	<0.19	<0.26									
Chloroethane	<0.50	<0.70	<0.60	<0.40	<0.40	<0.40	<0.40	<0.30									
Chloroform	<0.60	<0.50	<0.50	<0.22	<0.22	<0.22	<0.15	<0.23									
Chloromethane	<0.40	<0.24	<0.30	<0.30	<0.30	1.1AB	<0.40	<0.40									
Dibromomethane	<0.50	<0.70	<0.80	<0.40	<0.40	<0.40	<0.24	<0.30									
Dichlorodifluoromethane	<0.50	<0.60	<0.29	<0.40	<0.40	<0.40	<0.26	<0.30									

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

Parameter	07/12/04	07/18/05	07/18/06	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
Diisopropyl Ether	<0.50	<0.50	<0.40	<0.50	<0.50	<0.50	<0.20	<0.30									
Ethylbenzene	<0.50	<0.50	<0.50	<0.28	<0.28	<0.28	<0.22	<0.29									
Hexachlorobutadiene	<0.50	<0.60	<0.90	<0.60	<0.60	<0.60	<0.30	<0.40									
Isopropylbenzene	<0.50	<0.40	<0.60	<0.20	<0.20	<0.20	<0.18	<0.30									
p-Isopropyltoluene	<0.50	<0.40	<0.40	<0.17	<0.17	<0.17	<0.23	<0.30									
Methyl tert-butyl ether	<0.50	<0.60	<0.40	<0.23	<0.23	<0.23	<0.29	<0.30									
Methylene chloride	3.1 J,A,B,Q	<0.40	<1.0	<0.50	<0.50	<0.50	0.4	<0.40									
Naphthalene	<0.50	<0.60	<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
n-Propylbenzene	<0.50	<0.40	<0.40	<0.20	<0.20	<0.20	<0.20	<0.30									
Styrene	<0.50	<0.50	<0.50	<0.30	<0.30	<0.30	<0.20	<0.30									
Tetrachloroethene	<0.50	<0.40	<0.29	<0.40	<0.40	<0.40	<0.30	0.44									
Tetrahydrofuran		0.60	<7.0	<4.0	<4.0	<4.0	<3.0	<4.0									
Toluene	<0.50	<0.40	<0.40	<0.20	<0.20	<0.20	<0.22	<0.30									
Trichloroethene	<0.60	<0.15	0.47	0.31	<0.15	0.37	0.28	<0.40									
Trichlorofluoromethane	<0.40	<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	<0.30	<0.12	<0.15	<0.15	<0.15	<0.15	<0.18	<0.19									
Xylene, m & p-	<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
Xylene, o-	<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
Xylenes, Total			<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

Prepared By: T. Dushek, 8/7/20

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 - 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
1,1,1,2-Tetrachloroethane	<4.0	<0.9	<1.8	<0.50	<0.70	<0.60	<0.60	<0.60	<0.60	<0.24	<0.40							
1,1,1-Trichloroethane	<3.0	<0.5	<1.0	<0.60	<0.50	<0.60	<0.60	<0.60	<0.60	<0.21	<0.29							
1,1,2,2-Tetrachloroethane	<4.0	<0.8	<1.6	<0.15	<0.13	<0.14	<0.14	<0.14	<0.14	<0.19	<0.30							
1,1,2-Trichloroethane	<2.0	<0.9	<1.8	<0.40	<0.50	<0.50	<0.50	<0.50	<0.50	<0.26	<0.30							
1,1-Dichloroethane	<4.0	<0.5	<1.0	<0.50	<0.40	<0.40	<0.40	<0.40	<0.40	<0.20	<0.28							
1,1-Dichloroethene	<9.0	<0.4	<0.80	<0.50	<0.30	<0.40	<0.40	<0.40	<0.40	<0.24	<0.29							
1,1-Dichloropropene	<4.0	<0.5	<1.0	<0.50	<0.60	<0.50	<0.50	<0.50	<0.50	<0.24	<0.40							
1,2,3-Trichlorobenzene	<5.0	<0.5	<1.0	<0.60	<0.50	<0.50	<0.50	<0.50	<0.50	<0.30	<0.40							
1,2,3-Trichloropropane	<3.0	<0.8	<1.6	<0.60	<0.70	<0.30	<0.30	<0.30	<0.30	<0.21	<0.40							
1,2,4-Trichlorobenzene	<5.0	<0.5	<1.0	<0.70	<0.70	<0.40	<0.40	<0.40	<0.40	<0.30	<0.30							
1,2,4-Trimethylbenzene	310	10	26	1.9	2.9	13	13	6.3	7.8	5.7	11		10	20	12	52	3.1	31
1,2-Dibromo-3-chloropropane	<3.0	<0.4	<0.80	<1.1	<0.30	<0.40	<0.40	<0.40	<0.40	<0.40	<0.50							
1,2-Dibromoethane	<3.0	<0.3	<0.60	<0.60	<0.50	<0.13	<0.13	<0.13	<0.13	<0.16	<0.30							
1,2-Dichlorobenzene	<3.0	<0.7	<1.4	<0.50	<0.50	<0.40	<0.40	<0.40	<0.40	<0.23	<0.40							
1,2-Dichloroethane	<4.0	<0.9	<1.8	<0.50	<0.50	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30							
cis-1,2-Dichloroethene	<4.0	<0.5	<1.0	<0.60	<0.40	<0.40	<0.40	<0.40	<0.40	<0.25	<0.30							
trans-1,2-Dichloroethene	<8.0	<0.4	<0.80	<0.60	<0.40	<0.50	<0.50	<0.50	<0.50	<0.25	<0.30							
1,2-Dichloropropane	<3.0	<0.4	<0.80	<0.50	<0.50	<0.21	<0.21	<0.21	<0.21	<0.22	<0.29							
1,3,5-Trimethylbenzene	140	9.9	17	1.5	3.8	6.6	7	2.7	3.8	3.4	5.1							
1,3-Dichlorobenzene	<4.0	<0.5	<1.0	<0.50	<0.40	<0.40	<0.40	<0.40	<0.40	<0.26	<0.30							
cis-1,3-Dichloropropene	<2.0	<0.6	<1.2	<0.12	<0.15	<0.14	<0.14	<0.14	<0.14	<0.19	<0.28							
1,3-Dichloropropane	<4.0	<1.2	<1.4	<0.60	<0.50	<0.19	<0.19	<0.19	<0.19	<0.23	<0.30							
trans-1,3-Dichloropropene	<5.0	<0.7	<2.4	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.19	<0.30							
1,4-Dichlorobenzene	<4.0	<0.5	<1.0	<0.50	<0.60	<0.50	<0.50	<0.50	<0.50	<0.23	<0.30							
2,2-Dichloropropane	<2.0	<0.6	<1.2	<0.60	<0.60	<0.30	<0.30	<0.30	<0.30	<0.25	<0.28							
2-Butanone (MEK)				<7.0	7.8	11	9.9	<4.0	<4.0	<2.4	<3.0							
2-Chlorethyl vinyl ether																		
2-Chlorotoluene	<4.0	<0.6	<1.2	<0.50	<0.50	<0.30	<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	<4.0							
4-Chlorotoluene	<3.0	<0.6	<1.2	<0.40	<0.60	<0.30	<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	<3.0							
Acetone				<9.0	<10.0	<7.0	<7.0	<7.0	<7.0	<5.0	<5.0							
Benzene	<1.0	<0.40	<0.80	<0.40	<0.40	<0.16	<0.16	<0.16	<0.16	<0.19	<0.30							
Bromobenzene	<5.0	<0.5	<1.0	<0.50	<0.60	<0.30	<0.30	<0.30	<0.30	<0.20Q	<0.30							
Bromochloromethane	<4.0	<0.5	<1.0	<0.50	<0.70	<0.21	<0.21	<0.21	<0.21	<0.22	<0.40							
Bromodichloromethane	<2.0	<0.4	<0.80	<0.13	<0.15	<0.19	<0.19	<0.19	<0.19	<0.20	<0.30							
Bromoform	<1.0	<0.6	<1.2	<0.50	<0.21	<0.50	<0.50	<0.50	<0.50	<0.22	<0.24							
Bromomethane	<4.0	<0.8	<1.6	<0.80	<0.90	<0.40	<0.40	<0.40	<0.40	<0.50	<0.30							
n-Butylbenzene	180	15	26	<0.60	2.9	2	2.3	1	1.3	0.37	1.3							
sec-Butylbenzene	29	6.7	4.6	1.4	3.5	2.9	3	3.8	1.7	2.4	2.5							
tert-Butylbenzene	<1.0	9.0	5.3	<0.50	1.3	1.1	1.1	1.1	0.62	0.39	1.1							
Carbon disulfide				<1.1	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.60							
Carbon tetrachloride	<3.0	<0.6	<1.2	<0.50	<0.50	<0.40	<0.40	<0.40	<0.40	<0.23	<0.40							
Chlorobenzene	<3.0	<0.8	<1.6	<0.50	<0.40	<0.30	<0.30	<0.30	<0.30	<0.24	<0.30							
Chlorodibromomethane	<4.0	<0.4	<0.80	<0.60	<0.60	<0.23	<0.23	<0.23	<0.23	<0.19	<0.26							
Chloroethane	<5.0	1.8	<1.0	<0.70	<0.60	<0.40	<0.40	<0.40	<0.40	<0.40	<0.30							
Chloroform	<5.0	2.0	1.4 J	1.4	1.1	0.5	0.55	0.39	0.31	0.3	<0.23							
Chloromethane	<3.0	<0.4	<0.80	<0.24	<0.30	<0.30	<0.30	<0.30	0.92AB	<0.40	<0.40							
Dibromomethane	<4.0	<0.5	<1.0	<0.70	<0.80	<0.40	<0.40	<0.40	<0.40	<0.24	<0.30							

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	0.33	0.34	<0.28	<0.28	0.29	<0.29							
Hexachlorobutadiene	<6.0	<0.5	<1.0 M	<0.60	<0.90	<0.60	<0.60	<0.60	<0.60	<0.30	<0.40							
Isopropylbenzene	24	7.5	4.7	0.62	0.77	2	2	1.8	1.1	1.4	2.8							
p-Isopropyltoluene	29	8.2	7.5	0.55	2.5	2.4	2.8	1.2	1.2	<0.23	0.78							
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	7.3 A,B,Q	<0.40	<1.0	<0.50	<0.50	<0.50	<0.50	<0.40	<0.40							
Naphthalene	27	2.4	2.2 J	<0.60	<0.70	1.4	1.4	0.85	1.4	<0.40	1.8	<0.32	2.3	2.2	1.8	3.5	0.98	2
n-Propylbenzene	56.0	7.2	5.6	1.1	1.2	3.2	3.3	2	1.8	2.8	3.9							
Styrene	<2.0	16	15	<0.50	<0.50	<0.30	<0.30	<0.30	<0.30	<0.20	<0.30							
Tetrachloroethene	<4.0	2.8	2.3 J	<0.40	0.29	<0.40	<0.40	<0.40	0.45	<0.30	0.38							
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	0.63	<1.2	0.8	0.43	0.33	0.31	0.33	0.25	0.68	<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	5.6	2.6	1.8 J	<1.0	<0.9	0.61	0.62	<0.50	<0.50	<0.50	<0.60	<0.90	<1.0	<1.1	2.9	<0.80	0.87	
o-Xylene	23	5.0	<1.0	0.86	<0.60	2.4	2.6	1.7	1.6	10	7.4		4.2	6.9	4.8	12	1.8	8.3
Xylenes, Total				0.86	<1.5	3.01	3.22	1.7	1.6	10	7.4		4.2	6.9	4.8	14.9	1.8	9.17

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		
1,1,1,2-Tetrachloroethane			<1	<1	<1	<1	<0.1	<0.3	<0.3	<0.3	<0.20	<0.4	<0.90	<0.90	<0.50	<0.70	<0.60	<0.60	<0.60	<0.60	<0.24	<0.40											
1,1,1-Trichloroethane	<5	<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	<0.50	<0.60	<0.60	<0.60	<0.21	<0.29											
1,1,2,2-Tetrachloroethane	<5	<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	<0.13	<0.14	<0.14	<0.14	<0.14	<0.19	<0.30										
1,1,2-Trichloroethane	<5	<1	<1	<1	<1	<1	<1	<0.2	<0.2	<0.2	<0.10	<0.2	<0.90	<0.90	<0.90	<0.40	<0.50	<0.50	<0.50	<0.50	<0.26	<0.30											
1,1-Dichloroethane	<5	<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	<0.40	<0.40	<0.40	<0.40	<0.40	<0.20	<0.28										
1,1-Dichloroethene	<5	<1	<1	<1	<1	<1	<0.4	<0.2	<0.2	<0.9	<0.20	<0.9	<0.40	<0.40	<0.40	<0.40	<0.50	<0.30	<0.40	<0.40	<0.40	<0.24	<0.29										
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	<0.60	<0.50	<0.50	<0.50	<0.24	<0.40											
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	<0.50	<0.50	<0.50	<0.50	<0.30	<0.40											
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	<0.70	<0.30	<0.30	<0.30	<0.21	<0.40											
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	<0.70	<0.40	<0.40	<0.40	<0.30	<0.30											
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	<0.50	<0.24	<0.24	<0.24	<0.20	<0.30											
1,2-Dibromo-3-chloropropane		<3	<3	<3			<0.3	<0.3	<0.3	<0.3	<0.40	<0.3	<0.40	<0.40	<0.40	<0.40	<1.1	<0.30	<0.40	<0.40	<0.40	<0.40	<0.50	<0.40	<0.60	<0.50	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	
1,2-Dibromoethane		<2	<2	<2			<0.2	<0.4	<0.4	<0.3	<0.10	<0.3	<0.30	<0.30	<0.30	<0.30	<0.60	<0.50	<0.13	<0.13	<0.13	<0.16	<0.30										
1,2-Dichlorobenzene		<1	<1	<1	<1	<1	<0.3	<0.3	<0.3	<0.3	<0.20	<0.3	<0.70	<0.70	<0.70	<0.70	<0.50	<0.50	<0.40	<0.40	<0.40	<0.23	<0.40										
1,2-Dichloroethane	<5	<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	<0.50	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30										
cis-1,2-Dichloroethene		<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	<0.40	<0.40	<0.40	<0.40	<0.25	<0.30											
trans-1,2-Dichloroethene	<5	<1	<1	<1	<1	<1	<0.2	<0.3	<0.3	<0.8	<0.10	<0.8	<0.40	<0.40	<0.40	<0.40	<0.60	<0.40	<0.50	<0.50	<0.25	<0.30											
1,2-Dichloropropane	<5	<1	<1	<1	<1	<1	<0.1	<0.2	<0.2	<0.3	<0.20	<0.3	<0.40	<0.40	<0.40	<0.40	<0.50	<0.21	<0.21	<0.21	<0.22	<0.29											
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	<0.40	<0.19	<0.19	<0.19	<0.19	<0.23	<0.30										
1,3-Dichlorobenzene		<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	<0.40	<0.40	<0.40	<0.40	<0.26	<0.30											
cis-1,3-Dichloropropene	<5	<1	<1	<1	<1	<1	<0.3	<0.3	<0.3	<0.2	<0.10	<0.2	<0.60	<0.60	<0.60	<0.60	<0.12	<0.15	<0.14	<0.14	<0.14	<0.19	<0.28										
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	<1.2	<0.60	<0.50	<0.19	<0.19	<0.19	<0.23	<0.30										
trans-1,3-Dichloropropene	<5	0	<1	<1	<1	<1	<0.2	<0.2	<0.2	<0.5	<0.10	<0.5	<0.70	<0.70	<0.70	<0.70	<0.14	<0.14	<0.14	<0.14	<0.14	<0.19	<0.30										
1,4-Dichlorobenzene		<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	<0.60	<0.50	<0.50	<0.50	<0.23	<0.30											
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	<0.60	<0.60	<0.30	<0.30	<0.30	<0.25	<0.28										
2-Butanone (MEK)	<10																<7.0	<5.0	<4.0	<4.0	<4.0	<2.4	<3.0										
2-Chloroethyl vinyl ether					<10																												
2-Chlorotoluene		<1	<1	<1		<1	<0.4	<0.3	<0.3	<0.4	<0.10	<0.4	<0.60	<0.60	<0.60	<0.50	<0.50	<0.30	<0.30	<0.30	<0.22	<0.30											
2-Hexanone	<10																<7.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0									
4-Chlorotoluene		<1	<1	<1		<1	<0.3	<0.3	<0.3	<0.3	<0.20	<0.3	<0.60	<0.60	<0.60	<0.40	<0.60	<0.30	<0.30	<0.30	<0.21	<0.29											
4-Methyl-2-Pentanone (MIBK)	<10																<7.0	<6.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0									
Acetone	22.3																<9.0	<10.0	<7.0	<7.0	<7.0	<5.0	<5.0										
Benzene	<5	<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	<0.40	<0.16	<0.16	<0.16	<0.19	<0.30											
Bromobenzene		<1	<1	<1	0	<1	<0.3	<0.2	<0.2	<0.5	<0.10	<0.5	<0.50	<0.50	<0.50	<0.50	<0.60	<0.30	<0.30	<0.30	<0.20	<0.30											
Bromochloromethane			<1	<1	0	<1	<0.4	<0.2	<0.2	<0.4	<0.10	<0.4	<0.50	<0.50	<0.50	<0.50	<0.50	<0.70	<0.21	<0.21	<0.21	<0.22	<0.40										
Bromodichloromethane	<5	<1	<1	<1	<1	<1	<0.2	<0.2	<0.2	<0.2	<0.10	<0.2	<0.40	<0.40	<0.40	<0.40	<0.13	<0.15	<0.19	<0.19	<0.19	<0.20	<0.30										
Bromoform	<5		<1	<1	<1	<1	<0.3	<0.2	<0.2	<0.1	<0.20	<0.1	<0.60	<0.60	<0.60	<0.60	<0.50	<0.21	<0.50	<0.50	<0.50	<0.22	<0.24										
Bromomethane	<10		<2	<2	<2	<2	<0.3	<0.9	<0.9	<0.4	<0.40	<0.4	<0.80	<0.80	<0.80	<0.80	<0.90	<0.40	<0.40	<0.40	<0.50	<0.30											
n-Butylbenzene		<1	<1	<1	<1	<1	<0.6	<0.3	<0.3	<0.4	<0.10	<0.4	<0.50	<0.50	<0.50	<0.50	<0.60	<0.40	<0.24	<0.24	<0.24	<0.23	<0.29										
sec-Butylbenzene		<1	<1	<1	<1	<1	<0.3	<0.2	<0.2	<0.3	<0.20	<0.3	<0.50	<0.50	<0.50	<0.50	<0.50	<0.29	<0.29	<0.29	<0.21	<0.30											
tert-Butylbenzene		<1	<1	<1	<1	<1	<0.3	<0.3	<0.3	<0.1	<0.10	<0.1	<0.50	<0.50	<0.50	<0.50	<0.50	<0.23	<0.23	<0.23	<0.20	<0.40											
Carbon disulfide	<5																<1.1	<1.0	<0.50	<0.50	<0.50	<0.50	<0.60										
Carbon tetrachloride	<5	<1	<1	<1	<1	<1	<0.2	<0.4	<0.4	<0.3	<0.10	<0.3	<0.60	<0.60	<0.60	<0.60	<0.50	<0.50	<0.40	<0.40	<0.40	<0.23	<0.40										
Chlorobenzene	<5	<1	<1	<1	<1	<1	<0.3	<0.3	<0.3	<0.3	<0.10	<0.3	<0.80	<0.80	<0.80	<0.80	<0.50	<0.40	<0.30	<0.30	<0.30	<0.24	<0.30										
Chlorodibromomethane	<5	<1	<1	<1	<1	<1	<0.3	<0.3	<0.3	<0.4	<0.																						

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	
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	<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	<0.15	<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	
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	
Xylenes, Total	<5															<1.5	<1.0	<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	

Prepared By: T. Dushek, 8/7/20

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 - 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
1,1,1,2-Tetrachloroethane				<10		<1	<1		<5	<0.1	<0.3	<23	<10.0	<3.5 *	<3.0	<3.0	<6	<0.24	<0.24	<0.40									
1,1,1-Trichloroethane	<5	<50	<50	<10	<1	<1	<1	<20	<5	<0.3	<0.3	<13	<12.0	<2.5 *	<3.0	<3.0	<6	<0.21	<0.21	<0.29									
1,1,2,2-Tetrachloroethane	<5	<50	<50	<10	<1	<1	<1	<20	<5	<0.2	<0.2	<20	<3.0	<0.65 *	<0.70	<0.70	<1.4	<0.19	<0.19	<0.30									
1,1,2-Trichloroethane	<5	<50	<50	<10	<1	<1	<1	<20	<5	<1	<0.2	<23	<8.0	<2.5 *	<2.5	<2.5	<5	<0.26	<0.26	<0.30									
1,1-Dichloroethane	<5	<50	<50	<10	<1	<1	<1	<20	<5	<0.2	<0.2	<13	<10.0	<2.0 *	<2.0	<2.0	<4	<0.20	<0.20	<0.28									
1,1-Dichloroethene	<5	<50	<50	<10	<1	<1	<1	<20	<5	<0.4	<0.2	<10	<10.0	<1.5 *	<2.0	<2.0	<4	<0.24	<0.24	<0.29									
1,1-Dichloropropene				<10		<1	<1		<5	<0.2	<0.3	<13	<10.0	<3.0 *	<2.5	<2.5	<5	<0.24	<0.24	<0.40									
1,2,3-Trichlorobenzene				<10	<1	<1	<1		<5	<0.5	<0.4	<13	<12.0	<2.5 *	<2.5	<2.5	<5	<0.30	<0.30	<0.40									
1,2,3-Trichloropropane				<10		<1	<1		<5	<0.3	<0.2	<20	<12.0	<3.5 *	<1.5	<1.5	<3	<0.21	<0.21	<0.40									
1,2,4-Trichlorobenzene				<10	<1	<1	<1		<5	<0.5	<0.3	<13	<14.0	<3.5 *	<2.0	<2.0	<4	<0.30	<0.30	<0.30									
1,2,4-Trimethylbenzene				1500	3.8	1500	1000		121	360	820	640	470	180 *	340	480	360	46	78	62		300	250	310	300	270	540	<0.4	150
1,2-Dibromo-3-chloropropane				<30	<3	<3	<3		<15	<0.3	<0.3	<10	<22.	<1.5 *	<2.0	<2.0	<4	<0.40	<0.40	<0.50									
1,2-Dibromoethane				<20	<2	<2	<2		<10	<0.2	<0.4	<7.5	<12.0	<2.5 *	<0.65	<0.65	<1.3	<0.16	<0.16	<0.30									
1,2-Dichlorobenzene				<10	<1	<1	<1	<20	<5	<0.3	<0.3	<18	<10.0	<2.5 *	<2.0	<2.0	<4	<0.23	<0.23	<0.40									
1,2-Dichloroethane	<5	<50	<50	<10	<1	<1	<1	<20	<5	<0.2	<0.2	<23	<10.0	<2.5 *	<1.5	<1.5	<3	<0.30	<0.30	<0.30									
cis-1,2-Dichloroethene				<10	<1	1.4	<1	<20	<5	<0.2	0.2	<13	<12.0	<2.0 *	<2.0	<2.0	<4	<0.25	<0.25	<0.30									
trans-1,2-Dichloroethene	<5	<50	<50	<10	<1	<1	<1	<20	<5	<0.2	0.2	<10	<12.0	<2.0 *	<2.5	<2.5	<5	<0.25	<0.25	<0.30									
1,2-Dichloropropane	<5	<50	<50	<10	<1	<1	<1	<20	<5	<0.1	<0.2	<10	<10.0	<2.5 *	<1.1	<1.1	<2.1	<0.22	<0.22	<0.29									
1,3,5-Trimethylbenzene				310	2.9	360	220		23	24	110	330	380	6.3*	31	72	31	47	34	20									
1,3-Dichlorobenzene				<10	<1	<1	<1	<20	<5	<0.7	<0.4	<13	<10.0	<2.0 *	<2.0	<2.0	<4	<0.26	<0.26	<0.30									
cis-1,3-Dichloropropene	<5	<50	<50	<10		<1	<1	<20	<5	<0.3	<0.3	<15	<2.4	<0.75*	<0.70	<0.70	<1.4	<0.19	<0.19	<0.28									
1,3-Dichloropropane				<10	<1	<1	<1		<5	<0.3	<0.6	<30	<12.0	<2.5 *	<0.95	<0.95	<1.9	<0.23	<0.23	<0.30									
trans-1,3-Dichloropropene	<5	<50	<50	<10	<1	<1	<1	<20	<5	<0.2	<0.2	<18	<2.8	<0.70*	<0.70	<0.70	<1.4	<0.19	<0.19	<0.30									
1,4-Dichlorobenzene				<10	<1	<1	<1	<20	<5	<0.3	<0.3	<13	<10.0	<3.0 *	<2.5	<2.5	<5	<0.23	<0.23	<0.30									
2,2-Dichloropropane				<10	<1	<1	<1		<5	<0.2	<0.5	<15	<12.0	<3.0 *	<1.5	<1.5	<3	<0.25	<0.25	<0.28									
2-Butanone (MEK)	<10	<100	<100										<140.	<25 *	<20	<20	<40	<2.4	<2.4	<3.0									
2-Chloroethyl vinyl ether								<200																					
2-Chlorotoluene				<10	<1	<1	<1		<5	<0.4	<0.3	<15	<10.0	<2.5 *	<1.5	<1.5	<3	<0.22	<0.22	<0.30									
2-Hexanone	<10	<100	<100										<140.	<40 *	<20	<20	<40	<4.0	<4.0	<4.0									
4-Chlorotoluene				<10	<1	<1	<1		<5	<0.3	<0.3	<15	<8.0	<3.0 *	<1.5	<1.5	<3	<0.21	<0.21	<0.29									
4-Methyl-2-Pentanone (MIBK)	<10	<100	<100										<140.	<30 *	<15	<15	<30	<3.0	<3.0	<3.0									
Acetone	11.1	2120	<100										<180.	<50 *	<35	<35	<70	<5.0	<5.0	<5.0									
Benzene	26.1	<50	<50	42	<1	34	21	<20	7	10	32	15	<8.0	3.4 *	1.1	1.8	2.9	<0.19	<0.19	<0.30									
Bromobenzene				<10	<1	<1	<1		<5	<0.3	<0.2	<13	<10.0	<3.0 *	<1.5	<1.5	<3	<0.20Q	<0.20Q	<0.30									
Bromochloromethane				<10		<1	<1		<5	<0.4	<0.2	<13	<10.0	<3.5 *	<1.1	<1.1	<2.1	<0.22	<0.22	<0.40									
Bromodichloromethane	<5	<50	<50	<10	<1	<1	<1	<20	<5	<0.2	<0.2	<10	<2.6	<0.75 *	<0.95	<0.95	<1.9	0.47	0.36	0.46									
Bromoform	<5	<50	<50	<10		<1	<1	<20	<5	<0.3	<0.2	<15	<10.0	<1.1 *	<2.5	<2.5	<5	<0.22	<0.22	<0.24									
Bromomethane	<10	<100	<100	<20		<2	<2	<40	<10	<0.3	<0.9	<20	<16.0	<4.5 *	<2.0	<2.0	<4	<0.50	<0.50	<0.30									
n-Butylbenzene				210	2.1	73	100		48	32	150	920	240	12 *	20	18	23	38	33	15									
sec-Butylbenzene				43	<1	29	58		19	12	55	130	140	16 *	21	20	27	22	18	19									
tert-Butylbenzene				<10	<1	<1	350		<5	<0.3	<0.3	<13	23	5.6 *	6.4	7.3	9	3.4	2.4	4.1									
Carbon disulfide	<5	<50	<50										<22.	<5.0 *	<2.5	<2.5	<5	<0.50	<0.50	<0.60									
Carbon tetrachloride	<5	<50	<50	<10	<1	<1	<1	<20	<5	<0.2	<0.4	<15	<10.0	<2.5 *	<2.0	<2.0	<4	<0.23	<0.23	<0.40									
Chlorobenzene	<5	<50	<50	<10	<1	<1	<1	<20	<5	<0.3	<0.3	<20	<10.0	<2.0 *	<1.5	<1.5	<3	<0.24	<0.24	<0.30									
Chlorodibromomethane	<5	<50	<50	<10	<1	<1	<1	<20	<5	<0.3	<0.3	<10	<12.0	<3.0 *	<1.2	<1.2	<2.3	<0.19	<0.19	<0.26									
Chloroethane	<10	<100	<100	<20	<2	<2	<2	<40	<10	<0.4	<0.8	<13	<14.0	<3.0 *	<2.0	<2.0	<4	<0.40	<0.40	<0.30									
Chloroform	6.55	<50	<50	<10	<1	2.6	<1	<20	<5	<0.2	<0.2	<15	<10.0	<2.5 *	<1.1	2.2	<2.2	5.9	5.9	14									
Chloromethane	<10	<100	<100	<20	<2	<2	<2	<40	<10	<0.7	<0.9	<10	<4.8	<1.5 *	<1.5	<1.5	<3	<0.40	<0.40	<0.40									
Dibromomethane				<10		<1	<1		<5	<0.1	<0.2	<13	<14.0	<4.0 *	<2.0	<2.0	<4	<0.24	<0.24	<0.30									
Dichlorodifluoromethane				<20	<2	<2	<2		<10	<0.3	<0.3	<13	<12.0	<1.5 *	<2.0	<2.0	<4	<0.26	<0.26	<0.30									
Diisopropyl Ether					<1								<10.0	<2.0 *	<2.5	<2.5	<5	<0.20	<0.20	<0.30									
Ethylbenzene	91.6	<50	86.7	110	<1	77	60	28	10	16	50	22	<10.0	5.9 *	7.4	14	12	0.75	0.54	1.7									
Hexachlorobutadiene				<10	<1	<1	<1		<5	<0.5	<0.6	<13	<12.0	<4.5 *	<3.0	<3.0	<6	<0.30	<0.30	<0.40									

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	
Isopropylbenzene				100	3.3	63	50		15	14	62	130	42	23 *	25	40	31	3.3	1.9	9.9										
p-Isopropyltoluene				<10	<1	28	58		13	<0.4	45	180	170 A	5 *	12	9.2	8.1	29	24	11										
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	946	142	<30	<3	<3	<3	<60	<15	<0.3	<0.5	<25	<8.0	15 Q*	<2.5	<2.5	<5	<0.40	<0.40	1.2 B										
Naphthalene	122	<10	108	260	<1	140	110	130	70	70	110	95	51	82 *	26	47	64	1.7	1.4	2.8	22	97	36	36	45	47	69	<0.9	<0.9	
n-Propylbenzene				120	1.6	120	120		25	28	92	120	98	11 *	17	30	28	14	10	8.8										
Styrene	<5	<50	<50	<10	<1	<1	<25		<5	<0.2	<0.2	440	<10.0	<2.5 *	<1.5	<1.5	<3	<0.20	<0.20	<0.30										
Tetrachloroethene	<5	<50	<50	<10	<1	3.9	4	<20	<5	<0.3	<0.6	69	<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	100	<50	114	140	<1	90	55	<20	6	<0.2	25	20	<8.0	2.8 *	1.8	8	4.9	<0.22	<0.22	<0.30										
Trichloroethene	72	<50	92	85	<1	71	28	<20	15	24	32	<15	13	14 *	5.7	7	10	<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-				700	<2	440	350	110	22	20	80	82	23	9.5 *	15	41	27	4.3	3.1	3		38	11	13	26	12	30	<0.8	8.2	
Xylene, o-				640	2.3	590	400	260	61	190	250	<13	89	110 *	80	150	120	4.7	3.5	3.2		170	65	97	89	58	130	<0.4	23	
Xylenes, Total	472	<50	871										112	119.5 *	95	191	147	9	6.6	6.2		208	76	110	115	70	160	<1.2	31.2	

Prepared By: T. Dushek, 8/7/20

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 - 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	<1	<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	<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	<1	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	<0.60	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	<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	<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	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	
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	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
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
1,2-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
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	<0.23	<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
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
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
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

Prepared By: T. Dushek, 8/7/20

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 - 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
1,1,1,2-Tetrachloroethane				<1	<1	<1	<1	<1	<1	<0.1	<0.3	<1.5	<20	<4.0	<10	<23	<1.8	<0.90
1,1,1-Trichloroethane	<5	<50	<50	<1	<1	<1	<1	<1	<1	<0.3	<0.3	<1.5	<15	<4.0	<7.5	<13	5.5	<0.50
1,1,2,2-Tetrachloroethane	<5	<50	<50	<1	<1	<1	<1	1.25	<1	<0.2	<0.2	<1	<20	<4.0	<10	<20	<1.6	<0.80
1,1,2-Trichloroethane	<5	<50	<50	<1	<1	<1	<1	<1	<1	<1	<0.2	<1	<10	<2.0	<5.0	<23	<1.8	<0.90
1,1-Dichloroethane	<5	<50	<50	<1	<1	<1	<1	<1	<1	<0.2	<0.2	<1	<20	<2.0	<10	<13	<1.0	<0.50
1,1-Dichloroethene	<5	<50	<50	<1	<1	<1	<1	<1	<1	<0.4	<0.2	<1	<45	<4.0	<23	<10	<0.80	<0.40
1,1-Dichloropropene				<1	<1	<1	<1	<1	<1	<0.2	<0.3	<1.5	<20	<4.0	<10	<13	<1.0	<0.50
1,2,3-Trichlorobenzene				<1	<1	<1	<1	<1	<1	<0.5	<0.4	<2	<25	<6.0	<13	<13	<1.0	<0.50
1,2,3-Trichloropropane				<1	<1	<1	<1	<1	<1	<0.3	<0.2	<1	<15	<2.0	<7.5	<20	<1.6	<0.80
1,2,4-Trichlorobenzene				<1	<1	<1	<1	<1	<1	<0.5	<0.3	<1.5	<25	<6.0	<13	<13	<1.0	<0.50
1,2,4-Trimethylbenzene				960	550	600	500	94.7	1300	900	230	570	500	440	500	440	46	15
1,2-Dibromo-3-chloropropane				<3	<3	<15	<3	<3	<3	<0.3	<0.3	<1.5	<15	<8.0	<7.5	<10	<0.80	<0.40
1,2-Dibromoethane				<2	<2	<10	<2	<2	<2	<0.2	<0.4	<2	<15	<2.0	<7.5	<7.5	<0.60	<0.30
1,2-Dichlorobenzene				<1	<1	<1	<1	<1	<1	<0.3	<0.3	<1.5	<15	<4.0	<7.5	<18	<1.4	<0.70
1,2-Dichloroethane	<5	<50	<50	<1	<1	<1	<1	<1	<1	<0.2	<0.2	<1	<20	<4.0	<10	<23	<1.8	<0.90
cis-1,2-Dichloroethene				<1	<1	<1	<1	2.3	<1	<0.2	<0.2	<1	<20	<4.0	<10	<13	<1.0	<0.50
trans-1,2-Dichloroethene	<5	<50	<50	<1	<1	<1	<1	<1	<1	<0.2	<0.3	<1.5	<40	<2.0	<20	<10	<0.80	<0.40
1,2-Dichloropropane	<5	<50	<50	<1	<1	<1	<1	<1	<1	<0.1	<0.2	<1	<15	<4.0	<7.5	<10	<0.80	<0.40
1,3,5-Trimethylbenzene				340	160	80	88	16.0	380	300	70	210	120	140	99	1.2	<0.50	
1,3-Dichlorobenzene				<1	<1	<1	<1	<1	<1	<0.7	<0.4	<2	<20	<2.0	<10	<13	<1.0	<0.50
cis-1,3-Dichloropropene	<5	<50	<50	<1	<1	<1	<1	<1	<1	<0.3	<0.3	<1.5	<10	<2.0	<5.0	<15	<1.2	<0.60
1,3-Dichloropropane				<1	<1	<1	<1	<1	<1	<0.3	<0.6	<3	<20	<2.0	<10	<30	<2.4	<1.2
trans-1,3-Dichloropropene	<5	<50	<50	<1	<1	<1	<1	<1	<1	<0.2	<0.2	<1	<25	<2.0	<13	<18	<1.4	<0.70
1,4-Dichlorobenzene				<1	<1	<1	<1	<1	<1	<0.3	<0.3	<1.5	<20	<2.0	<10	<13	<1.0	<0.50
2,2-Dichloropropane				<1	<1	<1	<1	<1	<1	<0.2	<0.5	<2.5	<10	<4.0	<5.0	<15	<1.2	<0.60
2-Butanone (MEK)	<10	<100	<100															
2-Chloroethyl vinyl ether								<10										
2-Chlorotoluene				<1	<1	<1	<1	<1	<1	<0.4	<0.3	<1.5	<20	<2.0	<10	<15	<1.2	<0.60
2-Hexanone	<10	<100	<100															
4-Chlorotoluene				<1	<1	<1	<1	<1	<1	<0.3	<0.3	<1.5	<15	<4.0	<7.5	<15	<1.2	<0.60
4-Methyl-2-Pentanone (MIBK)	<10	<100	<100															
Acetone	10.5	<100	<100															
Benzene	27.5	<50	<50	24	18	25	13	37	3.8	<0.2	55	4	11	15	4.2 J	20	0.87	0.40 J
Bromobenzene				<1	<1	<1	<1	0	<1	<0.3	<0.2	<1	<25	<2.0	<13	<13	<1.0	<0.50
Bromochloromethane				<1	<1	<1	<1	0	<1	<0.4	<0.2	<1	<20	<2.0	<10	<13	<1.0	<0.50
Bromodichloromethane	<5	<50	<50	<1	<1	<1	<1	<1	<1	<0.2	<0.2	<1	<10	<2.0	<5.0	<10	<0.80	<0.40
Bromoform	<5	<50	<50	<1	<1	<1	<1	<1	<1	<0.3	<0.2	<1	<5	<4.0	<2.5	<15	<1.2	<0.60
Bromomethane	<10	<100	<100	<2		<10	<2	<2	<2	<0.3	<0.9	<4.5	<20	<8.0	<10	<20	<1.6	<0.80

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
n-Butylbenzene				190	65	21	26		11.1	100	120	29	76	11	39	56	5.3	14
sec-Butylbenzene				27	12	15	13		4.5	30	60	10	<15	12	10 J	25	2.1	8
tert-Butylbenzene				<1	<1	<5	<25		<1	<0.3	<0.3	<1.5	<5	4.6	<2.5	<13	<1.0	5.6
Carbon disulfide	<5	<50	<50															
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
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
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
Chloroethane	<10	<100	<100	<2	<2	<10	<2	<2	<2	<0.4	<0.8	<4	<25	<8.0	<13	<13	<1.0	<0.50
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
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
Dibromomethane				<1	<1	<5	<1	<1	<1	<0.1	<0.2	<1	<20	<4.0	<10	<13	<1.0	<0.50
Dichlorodifluoromethane				<2	<2	<10	<2	<2	<2	<0.3	<1.2	<6	<25	<2.0	<13	<13	<1.0	<0.50
Diisopropyl Ether				0	<1							<1.5	<5	<2.0	<2.5	<13	<1.0	<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
Hexachlorobutadiene				<1	<1	<5	<1	<1	<1	<0.5	<0.6	<3	<30	<4.0	<15	<13	<1.0	<0.50
Isopropylbenzene				58	26	32	22		7.3	40	60	16	34	19	19	33	1.5	0.52 J
p-Isopropyltoluene				<1	21	12	<1		3.8	<0.4	55	3.5	<10	6.1	<5.0	20	<1.0	<0.50
Methyl tert-butyl ether					<1							<1	<55	<6.0	<28	<13	<1.0	<0.50
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
Naphthalene	38.5	84.9	<100	150	70	75	80	114.5	19.5	120	140	46	80	90	110	87	10	2.1
n-Propylbenzene				58	46	55	39		12.5	90	95	18	63	36	33	47	1.5	<0.50
Styrene	<5	<50	<50	<1		<5	<25		<1	<0.2	<0.2	<1	<10	<2.0	<5.0	<13	<1.0	<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
Tetrahydrofuran																		0.60
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
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
Trichlorofluoromethane				<1	<1	<5	<1	<1	<1	<0.5	<0.6	<3	<20	<4.0	<10	<10	<0.80	<0.40
Vinyl acetate	<10	<100	<100															
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
Xylene, m & p-				280	190	220	170	284.5	34.2	200	150	13	110	86	26	57	1.8	<0.60
Xylene, o-				460	260	300	220	321.5	43.0	480	310	85	300	190	180	160	6.4	1.0 J
Xylenes, Total	569	993	523															

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

Parameter	07/20/05	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
1,1,1,2-Tetrachloroethane	<0.50	<0.70	<0.70	<0.60	<0.60	<1.2	<0.60	<0.60	<0.24	<0.40	<0.40									
1,1,1-Trichloroethane	<0.60	<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	<0.15	<0.13	<0.13	<0.14	<0.14	<.28	<0.14	<0.14	<0.19	<0.30	<0.30									
1,1,2-Trichloroethane	<0.40	<0.50	<0.50	<0.50	<0.50	<1	<0.50	<0.50	<0.26	<0.30	<0.30									
1,1-Dichloroethane	<0.50	<0.40	<0.40	<0.40	<0.40	<.80	<0.40	<0.40	<0.20	<0.28	<0.28									
1,1-Dichloroethene	<0.50	<0.30	<0.30	<0.40	<0.40	<.80	<0.40	<0.40	<0.24	<0.29	<0.29									
1,1-Dichloropropene	<0.50	<0.60	<0.60	<0.50	<0.50	<1	<0.50	<0.50	<0.24	<0.40	<0.40									
1,2,3-Trichlorobenzene	<0.60	<0.50	<0.50	<0.50	<0.50	<1	<0.50	<0.50	<0.30	<0.40	<0.40									
1,2,3-Trichloropropane	<0.60	<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	<0.70	<0.40	<0.40	<0.80	<0.40	<0.40	<0.30	<0.30	<0.30									
1,2,4-Trimethylbenzene	19	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
1,2-Dibromo-3-chloropropane	<1.1	<0.30	<0.30	<0.40	<0.40	<0.80	<0.40	<0.40	<0.40	<0.50	<0.50									
1,2-Dibromoethane	<0.60	<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	<0.50	<0.40	<0.40	<0.80	<0.40	<0.40	<0.23	<0.40	<0.40									
1,2-Dichloroethane	<0.50	<0.50	<0.50	<0.30	<0.30	<0.60	<0.30	<0.30	<0.30	<0.30	<0.30									
cis-1,2-Dichloroethene	<0.60	<0.40	<0.40	<0.40	<0.40	<0.80	<0.40	<0.40	0.25	<0.30	<0.30									
trans-1,2-Dichloroethene	<0.60	<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	<0.50	<0.21	<0.21	<0.42	<0.21	<0.21	<0.22	<0.29	<0.29									
1,3,5-Trimethylbenzene	<0.50	<0.40	<0.19	0.28	<0.19	20	<0.19	<0.19	0.4	0.55	0.47									
1,3-Dichlorobenzene	<0.50	<0.40	<0.40	<0.40	<0.40	<0.80	<0.40	<0.40	<0.26	<0.30	<0.30									
cis-1,3-Dichloropropene	<0.12	<0.15	<0.14	<0.14	<0.14	<0.28	<0.14	<0.14	<0.19	<0.28	<0.28									
1,3-Dichloropropane	<0.60	<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	<0.14	<0.28	<0.14	<0.14	<0.19	<0.30	<0.30									
1,4-Dichlorobenzene	<0.50	<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	<0.60	<0.30	<0.30	<0.60	<0.30	<0.30	<0.25	<0.28	<0.28									
2-Butanone (MEK)	<7.0	<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	<0.50	<0.30	<0.30	<0.60	<0.30	<0.30	<0.22	<0.30	<0.30									
2-Hexanone	<7.0	<8.0	<8.0	<4.0	<4.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0									
4-Chlorotoluene	<0.40	<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)	<7.0	<6.0	<6.0	<3.0	<3.0	<6.0	<3.0	<3.0	<3.0	<3.0	<3.0									
Acetone	<9.0	<10.0	<10.0	<7.0	<7.0	<14.0	<7.0	<7.0	<5.0	<5.0	<5.0									
Benzene	0.46	0.94	1.0	0.96	1	4	<0.16	<0.16	2.3	0.32	0.39									
Bromobenzene	<0.50	<0.60	<0.60	<0.30	<0.30	<0.60	<0.30	<0.30	<0.20Q	<0.30	<0.30									
Bromochloromethane	<0.50	<0.70	<0.70	<0.21	<0.21	<0.42	<0.21	<0.21	<0.22	<0.40	<0.40									
Bromodichloromethane	<0.13	<0.15	<0.15	<0.19	<0.19	<0.38	<0.19	0.26	<0.20	<0.30	<0.30									
Bromoform	<0.50	<0.21	<0.21	<0.50	<0.50	<1	<0.50	<0.50	<0.22	<0.24	<0.24									
Bromomethane	<0.80	<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	07/20/05	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
n-Butylbenzene	0.64	1.1	1.2	0.6	0.39	2.5	<0.24	<0.24	1.6	0.68	0.65									
sec-Butylbenzene	2.6	3.2	3.5	2.9	3.1	5.6	<0.29	<0.29	7.1	5.5	5.5									
tert-Butylbenzene	1.4	1.6	1.6	1.5	1.6	2.5	<0.23	<0.23	3.1	2.3	2.4									
Carbon disulfide	<1.1	<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	<0.50	<0.40	<0.40	<0.80	<0.40	<0.40	<0.23	<0.40	<0.40									
Chlorobenzene	<0.50	<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	<0.60	<0.23	<0.23	<0.46	<0.23	<0.23	<0.19	<0.26	<0.26									
Chloroethane	<0.70	<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	<0.50	<0.22	<0.22	0.48	5.9	6.5	0.42	0.46	0.45									
Chloromethane	<0.24	<0.30	<0.30	<0.30	<0.30	<0.60	0.88AB	1.3AB	<0.40	<0.40	<0.40									
Dibromomethane	<0.70	<0.80	<0.80	<0.40	<0.40	<0.80	<0.40	<0.40	<0.24	<0.30	<0.30									
Dichlorodifluoromethane	<0.60	<0.29	<0.29	<0.40	<0.40	<0.80	<0.40	<0.40	<0.26	<0.30	<0.30									
Diisopropyl Ether	<0.50	<0.40	<0.40	<0.50	<0.50	<1	<0.50	<0.50	<0.20	<0.30	<0.30									
Ethylbenzene	<0.50	0.67	0.76	<0.28	<0.28	8.3	<0.28	<0.28	0.45	1.2	1.2									
Hexachlorobutadiene	<0.60	<0.90	<0.90	<0.60	<0.60	<1.2	<0.60	<0.60	<0.30	<0.40	<0.40									
Isopropylbenzene	1.7	2.8	3.2	1.3	1.4	11	<0.20	<0.20	3	5	5.1									
p-Isopropyltoluene	<0.40	<0.40	<0.40	<0.17	<0.17	0.94	<0.17	<0.17	<0.23	<0.30	<0.30									
Methyl tert-butyl ether	<0.60	<0.40	<0.40	<0.23	<0.23	<0.46	<0.23	<0.23	<0.29	<0.30	<0.30									
Methylene chloride	<0.40	<1.0	<1.0	<0.50	<0.50	<1	<0.50	<0.50	<0.40	<0.40	<0.40									
Naphthalene	<0.60	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
n-Propylbenzene	0.95	2.1	2.3	0.21	<0.20	13	<0.20	<0.20	2.5	3.9	4.1									
Styrene	<0.50	<0.50	<0.50	<0.30	<0.30	<0.60	<0.30	<0.30	<0.20	<0.30	0.55									
Tetrachloroethene	0.62	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	<7.0	<4.0	<4.0	<8.0	<4.0	<4.0	<3.0	<4.0	<4.0									
Toluene	<0.40	<0.40	<0.40	<0.20	<0.20	6.7	<0.20	<0.20	<0.22	<0.30	<0.30									
Trichloroethene	1.7	2.2	2.3	2.3	2.5	7	0.2	<0.15	3.6	2.7	2.8									
Trichlorofluoromethane	<0.50	<0.70	<0.70	<0.40	<0.40	<0.80	<0.40	<0.40	<0.20	<0.40	<0.40									
Vinyl acetate	<8.0	<1.7	<1.7	<1.1	<1.1	<2.2	<1.1	<1.1	<3.0	<4.0	<4.0									
Vinyl chloride	<0.12	<0.15	<0.15	<0.15	<0.15	<0.30	<0.15	<0.15	<0.18	<0.19	<0.19									
Xylene, m & p-	<1.0	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	<0.80	7.7	<0.80
Xylene, o-	0.64	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	<0.40	25	1.2
Xylenes, Total	0.64	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	<1.2	32.7	1.2

Prepared By: T. Dushek, 8/7/20

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 - 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			
1,1,1,2-Tetrachloroethane																																					
1,1,1-Trichloroethane	<5																																				
1,1,2,2-Tetrachloroethane	<5																																				
1,1,2-Trichloroethane	<5																																				
1,1-Dichloroethane	<5																																				
1,1-Dichloroethane	<5																																				
1,1-Dichloropropene																																					
1,2,3-Trichlorobenzene																																					
1,2,3-Trichloropropane																																					
1,2,4-Trichlorobenzene																																					
1,2,4-Trimethylbenzene		190	1100	540		387.9	750	800	240	365	970	180	140	230	510	370	190	390	350	400	710	650	540		470	450	550	720	600	610	720	150	110	500			
1,2-Dibromo-3-chloropropane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5			
1,2-Dibromoethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5			
1,2-Dichlorobenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5		
1,2-Dichloroethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5		
cis-1,2-Dichloroethene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5		
trans-1,2-Dichloroethene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5		
1,2-Dichloropropane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5		
1,3,5-Trimethylbenzene	95	230	130		86.5	240	240	100	120	56	110	56	69	130	82	14	110	62	74	62	49	90															
1,3-Dichlorobenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5		
cis-1,3-Dichloropropene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5		
1,3-Dichloropropane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5		
trans-1,3-Dichloropropene	<5	0	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5		
1,4-Dichlorobenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5		
2,2-Dichloropropane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5		
2-Butanone (MEK)	<10				<100																																
2-Chloroethyl vinyl ether																																					
2-Chlorotoluene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5		
2-Hexanone	<10																																				
4-Chlorotoluene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5		
4-Methyl-2-Pentanone (MIBK)	<10																																				
Acetone	20.1																																				
Benzene	12.9	2.4	11	7.5	39	<10	<0.2	12	<1.5	<1	<1.0	<1.0	<2.0	<1.0	<8.0	<8.0	<2.0	<0.80	<3.2	<1.6	<1.9	<1.9	<3.0														
Bromobenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5		
Bromochloromethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	
Bromodichloromethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	
Bromoform	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	
Bromomethane	<10	<2	<2	<20	<20	<0.3	<0.9	<4.5	<4	<4.0	<4.0	<4.0	<2.0	<16	<16.0	<4.5	<2.0	<8	<4	<5.0	<5.0	<3.0	<3.0														
n-Butylbenzene	34	86	77		64.5	120	120	60	84.5	26	73	36	49	110	17	12	15	14	15	18	22	19															
sec-Butylbenzene	5.2	17	18		16.8	28	32	23	11.5	22	13	6.2	9.2	14 J	12	14	6.1	8	10	20	18	14															
tert-Butylbenzene	<1	<1	<1		<10	<0.3	<0.3	<1.5	<1	9.2	<1.0	<2.5	<1.3	<10	<10	7.7	6.8	5.6	7.9	4.7	4.7	6.6															
Carbon disulfide	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5		
Carbon tetrachloride	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5		
Chlorobenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5		
Chlorodibromomethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5		
Chloroethane	<10	<2	<2	<20	<20	<0.4	<0.8	<4	<5	<4.0	<5.0	<2.5	<1.3	<10	<14.0	<3.0	<2.0	<8	<4	<4.0	<4.0	<3.0	<3.0														
Chloroform	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5		
Chloromethane	35.1	<10	<2	<2	48</																																

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		
Vinyl acetate	<10																																			
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-		36	300	240	480	42.6	46	70	22	19.5	33	2.7 J	6.9	9.3	21 J	<20	5.7 *	15	17	20	37	33	33		18	<20	<22	45	33	33	39	6.3	4	24		
Xylene, o-		200	380	300	510	93.5	260	300	90	125	240	28	42	59	150	87	110 *	100	120	170	260	240	180		130	150	130	130	79	80	92	20	13	39		
Xylenes, Total	620															87	115.7 *	115	137	190	297	273	213		148	150	130	175	112	113	131	26.3	13	63		

Prepared By: T. Dushek, 8/7/20

Checked by: A. Voit, 11/23/20

NOTES:

All Units are in ug/L

Bold values indicate detection:

A = Analyte averaged calibration criteria within acceptable limit

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 limit

* = 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
Vinyl acetate	<100															<8.0	<1.7	<1.1	<1.1	<1.1	<3.0	<4.0									
Vinyl chloride	<100	Δ	<Δ	Δ	Δ	Δ	<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-		Δ	<Δ	<Δ	Δ	<Δ	<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
Xylene, o-		Δ	<Δ	<Δ	Δ	<Δ	<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
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

Prepared By: T. Dushek, 8/7/20

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 - 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	
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	6.5	1.1	10	<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	<0.50	<0.60	<0.90	<1.0	<1.1	5.7	5.3	3.6	<0.80	<0.80	<0.80	<0.80	<0.80	
Xylene, o-		<1	3.7	<1	6.5	40.2	8.8	60	<0.5	<0.1	<0.10	<0.1	<0.50	<0.50	<0.50	<0.40	<0.60	<0.50	<0.50	<0.50	<0.50	<0.24	<0.29	<0.50	<0.50	<0.50	2.4	2.2	1.4	<0.40	<0.40	<0.40	<0.40	<0.40	
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	8.1	7.5	5	<1.2	<1.2	<1.2	<1.2		

Prepared By: T. Dushek, 8/7/20

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

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 - W32

Parameter	06/24/92	06/29/93	12/28/93	06/22/94	07/05/95	07/08/96	07/11/97	06/23/98	06/07/99	07/17/00	01/30/01	07/10/01	08/06/02	07/24/03	07/13/04	07/20/05	07/18/06	07/09/07	07/22/08	07/07/09	07/14/10	07/18/11	07/09/12	07/01/13	07/07/14	07/06/15	07/05/16	07/10/17	07/10/18	07/08/19	07/06/20	
1,1,1,2-Tetrachloroethane			<1	<1		<1	<0.1	<0.3	<0.3	<0.4	<0.20	<0.4	<0.90	<0.90	<0.50	<0.70	<0.60	<0.60	<0.60	<0.60	<0.24	<0.40										
1,1,1-Trichloroethane	<50	<1	<1	<1	<1	<1	<0.3	<0.3	<0.3	<0.3	<0.20	<0.3	<0.50	<0.50	<0.60	<0.50	<0.60	<0.60	<0.60	<0.60	<0.21	<0.29										
1,1,2,2-Tetrachloroethane	<50	<1	<1	<1	<1	<1	<0.2	<0.2	<0.2	<0.4	<0.20	<0.4	<0.80	<0.80	<0.15	<0.13	<0.14	<0.14	<0.14	<0.14	<0.19	<0.30										
1,1,2-Trichloroethane	<50	<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	<0.50	<0.50	<0.50	<0.50	<0.26	<0.30										
1,1-Dichloroethane	<50	<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	<0.40	<0.40	<0.40	<0.40	<0.20	<0.28										
1,1-Dichloroethene	<50	<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	<0.30	<0.40	<0.40	<0.40	<0.24	<0.29										
1,1-Dichloropropene			<1	<1		<1	<0.2	<0.3	<0.3	<0.4	<0.20	<0.4	<0.50	<0.50	<0.50	<0.60	<0.50	<0.50	<0.50	<0.50	<0.24	<0.40										
1,2,3-Trichlorobenzene		<1	<1	<1		<1	<0.5	<0.4	<0.4	<0.5	<0.30	<0.5	<0.50	<0.50	<0.50	<0.60	<0.50	<0.50	<0.50	<0.50	<0.30	<0.40										
1,2,3-Trichloropropane			<1	<1		<1	<0.3	<0.2	<0.2	<0.3	<0.10	<0.3	<0.80	<0.80	<0.80	<0.60	<0.70	<0.30	<0.30	<0.30	<0.21	<0.40										
1,2,4-Trichlorobenzene		<1	<1	<1		<1	<0.5	<0.3	<0.3	<0.5	<0.30	<0.5	<0.50	<0.50	<0.50	<0.70	<0.70	<0.40	<0.40	<0.40	<0.30	<0.30										
1,2,4-Trimethylbenzene		<1	<1	<1		<1	<0.7	<0.6	<0.6	<0.2	<0.10	<0.2	<0.50	<0.50	<0.50	<0.40	<0.50	<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	
1,2-Dibromo-3-chloropropane		<3	<3	<3		<3	<0.3	<0.3	<0.3	<0.3	<0.40	<0.3	<0.40	<0.40	<0.40	<1.1	<0.30	<0.40	<0.40	<0.40	<0.40	<0.50										
1,2-Dibromoethane		<2	<2	<2		<2	<0.2	<0.4	<0.4	<0.3	<0.10	<0.3	<0.30	<0.30	<0.30	<0.60	<0.50	<0.13	<0.13	<0.13	<0.16	<0.30										
1,2-Dichlorobenzene		<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	<0.50	<0.40	<0.40	<0.40	<0.23	<0.40										
1,2-Dichloroethane	<50	<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	<0.50	<0.30	<0.30	<0.30	<0.30	<0.30										
cis-1,2-Dichloroethene		<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	<0.40	<0.40	<0.40	<0.40	<0.25	<0.30										
trans-1,2-Dichloroethene	<50	<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	<0.40	<0.50	<0.50	<0.50	<0.25	<0.30										
1,2-Dichloropropane	<50	<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	<0.50	<0.21	<0.21	<0.21	<0.22	<0.29										
1,3,5-Trimethylbenzene		<1	<1	<1		<1	<0.4	<0.3	<0.3	<0.3	<0.10	<0.3	<0.50	<0.50	<0.50	<0.50	<0.19	<0.19	<0.19	<0.19	<0.23	<0.30										
1,3-Dichlorobenzene		<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	<0.40	<0.40	<0.40	<0.40	<0.26	<0.30										
cis-1,3-Dichloropropene	<50		<1	<1	<1	<1	<0.3	<0.3	<0.3	<0.2	<0.10	<0.2	<0.60	<0.60	<0.60	<0.12	<0.14	<0.14	<0.14	<0.14	<0.19	<0.28										
1,3-Dichloropropane		<1	<1	<1		<1	<0.3	<0.6	<0.6	<0.4	<0.10	<0.4	<1.2	<1.2	<1.2	<0.60	<0.19	<0.19	<0.19	<0.19	<0.23	<0.30										
trans-1,3-Dichloropropene	<50		<1	<1	<1	<1	<0.2	<0.2	<0.2	<0.5	<0.10	<0.5	<0.70	<0.70	<0.70	<0.14	<0.14	<0.14	<0.14	<0.14	<0.19	<0.30										
1,4-Dichlorobenzene		<1	<1	<1	<1	<1	<0.3	<0.3	<0.3	<0.4	<0.10	<0.4	<0.50	<0.50	<0.50	<0.60	<0.60	<0.50	<0.50	<0.50	<0.23	<0.30										
2,2-Dichloropropane		<1	<1	<1		<1	<0.2	<0.5	<0.5	<0.2	<0.20	<0.2	<0.60	<0.60	<0.60	<0.60	<0.30	<0.30	<0.30	<0.30	<0.25	<0.28										
2-Butanone (MEK)	<100															<7.0	<5.0	<4.0	<4.0	<4.0	<2.4	<3.0										
2-Chloroethyl vinyl ether					<10																											
2-Chlorotoluene		<1	<1	<1		<1	<0.4	<0.3	<0.3	<0.4	<0.10	<0.4	<0.60	<0.60	<0.60	<0.50	<0.50	<0.30	<0.30	<0.30	<0.22	<0.30										
2-Hexanone	<100															<7.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0									
4-Chlorotoluene		<1	<1	<1		<1	<0.3	<0.3	<0.3	<0.3	<0.20	<0.3	<0.60	<0.60	<0.60	<0.40	<0.60	<0.30	<0.30	<0.30	<0.21	<0.29										
4-Methyl-2-Pentanone (MIBK)	<100															<7.0	<6.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0									
Acetone	<100															<9.0	<10.0	<7.0	<7.0	<7.0	<7.0	<5.0	<5.0									
Benzene	<50	<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	<0.16	<0.16	<0.16	<0.16	<0.19	<0.30										
Bromobenzene		<1	<1	<1		<1	<0.3	<0.2	<0.2	<0.5	<0.10	<0.5	<0.50	<0.50	<0.50	<0.60	<0.30	<0.30	<0.30	<0.30	<0.20	<0.30										
Bromochloromethane			<1	<1		<1	<0.4	<0.2	<0.2	<0.4	<0.10	<0.4	<0.50	<0.50	<0.50	<0.50	<0.70	<0.21	<0.21	<0.21	<0.22	<0.40										
Bromodichloromethane	<50	<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	<0.15	<0.19	<0.19	<0.19	<0.20	<0.30										

Volatile Organic Compounds - Historical Data
WAULECO, INC - Wausau Facility
Well - W32

Parameter	06/24/92	06/29/93	12/28/93	06/22/94	07/05/95	07/08/96	07/11/97	06/23/98	06/07/99	07/17/00	01/30/01	07/10/01	08/06/02	07/24/03	07/13/04	07/20/05	07/18/06	07/09/07	07/22/08	07/07/09	07/14/10	07/18/11	07/09/12	07/01/13	07/07/14	07/06/15	07/05/16	07/10/17	07/10/18	07/08/19	07/06/20	
Bromoform	<50		<1	<1	<1	<1	<0.3	<0.2	<0.2	<0.1	<0.20	<0.1	<0.60	<0.60	<0.60	<0.50	<0.21	<0.50	<0.50	<0.50	<0.22	<0.24										
Bromomethane	<100		<2	<2	<2	<2	<0.3	<0.9	<0.9	<0.4	<0.40	<0.4	<0.80	<0.80	<0.80	<0.90	<0.40	<0.40	<0.40	<0.40	<0.50	<0.30										
n-Butylbenzene		<1	<1	<1		<1	<0.6	<0.3	<0.3	<0.4	<0.10	<0.4	<0.50	<0.50	<0.50	<0.60	<0.40	<0.24	<0.24	<0.24	<0.23	<0.29										
sec-Butylbenzene		<1	<1	<1		<1	<0.3	<0.2	<0.2	<0.3	<0.20	<0.3	<0.50	<0.50	<0.50	<0.50	<0.50	<0.29	<0.29	<0.29	<0.21	<0.30										
tert-Butylbenzene		<1	<1	<1		<1	<0.3	<0.3	<0.3	<0.1	<0.10	<0.1	<0.50	<0.50	<0.50	<0.50	<0.50	<0.23	<0.23	<0.23	<0.20	<0.40										
Carbon disulfide	<50															<1.1	<1.0	<0.50	<0.50	<0.50	<0.50	<0.60										
Carbon tetrachloride	<50	<1	<1	<1	<1	<1	<0.2	<0.4	<0.4	<0.3	<0.10	<0.3	<0.60	<0.60	<0.60	<0.50	<0.40	<0.40	<0.40	<0.40	<0.23	<0.40										
Chlorobenzene	<50	<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	<0.40	<0.30	<0.30	<0.30	<0.30	<0.30										
Chlorodibromomethane	<50	<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	<0.60	<0.23	<0.23	<0.23	<0.19	<0.26										
Chloroethane	<100	<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	<0.60	<0.40	<0.40	<0.40	<0.40	<0.40										
Chloroform	<50	<1	<1	<1	<1	<1	<0.2	<0.2	<0.2	<0.5	<0.10	<0.5	<0.60	<0.60	<0.60	<0.50	<0.50	<0.22	<0.22	<0.22	<0.15	<0.23										
Chloromethane	<100	<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	<0.30	<0.30	<0.30	0.40AB	<0.40	<0.40										
Dibromomethane			<1	<1		<1	<0.1	<0.2	<0.2	<0.4	<0.20	<0.4	<0.50	<0.50	<0.50	<0.70	<0.80	<0.40	<0.40	<0.40	<0.24	<0.30										
Dichlorodifluoromethane		<2	<2	<2		<2	<0.3	<1.2	<1.2	<0.5	<0.10	<0.5	<0.50	<0.50	<0.50	<0.60	<0.29	<0.40	<0.40	<0.40	<0.40	<0.26	<0.30									
Diisopropyl Ether		<1						<0.3	<0.1	<0.10	<0.1	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	<0.50	<0.50	<0.50	<0.20	<0.30										
Ethylbenzene	<50	<1	<1	<1	<1	<1	<0.2	<0.2	<0.1	<0.10	<0.1	<0.50	<0.50	<0.50	<0.50	<0.50	<0.28	<0.28	<0.28	<0.28	<0.22	<0.29										
Hexachlorobutadiene		<1	<1	<1		<1	<0.5	<0.6	<0.6	<0.6	<0.20	<0.6	<0.50	<0.50	<0.50	<0.60	<0.90	<0.60	<0.60	<0.60	<0.60	<0.30	<0.40									
Isopropylbenzene		<1	<1	<1		<1	<0.2	<0.2	<0.2	<0.1	<0.10	<0.1	<0.50	<0.50	<0.50	<0.40	<0.60	<0.20	<0.20	<0.20	<0.18	<0.30										
p-Isopropyltoluene		<1	<1	<1		<1	<0.4	<0.2	<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	<0.1	<0.30	<0.1	<0.50	<0.50	<0.50	<0.60	<0.40	<0.23	<0.23	<0.23	<0.29	<0.30											
Methylene chloride	<50	<3	<3	<3	<3	<3	<0.3	<0.5	<0.5	<1.9	<0.40	<1.9	<1.0	<1.0	3.0 J,A,B,Q	<0.40	<1.0	<0.50	<0.50	<0.50	<0.40	<0.40										
Naphthalene		<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	<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
n-Propylbenzene		<1	<1	<1		<1	<0.3	<0.2	<0.2	<0.3	<0.10	<0.3	<0.50	<0.50	<0.50	<0.40	<0.40	<0.20	<0.20	<0.20	<0.20	<0.30										
Styrene	<50		<1	<1		<1	<0.2	<0.2	<0.2	<0.2	<0.10	<0.2	<0.50	<0.50	<0.50	<0.50	<0.30	<0.30	<0.30	<0.30	<0.20	<0.30										
Tetrachloroethene	<50	<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	<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	<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	<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	<0.15	<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	<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	<0.15	<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	
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	
Xylenes, Total	<50															<1.5	<1.0	<1.0	<1.0	<1.0	<0.89	<0.89		<1.4	<1.5	<1.6	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2

Prepared By: T. Dushek, 8/7/20

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 - 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
1,1,1,2-Tetrachloroethane			Δ	Δ		<90	<45	<45	<25	<30	<30	<30	<6.0	<0.80									
1,1,1-Trichloroethane	<50	Δ	Δ	Δ	Δ	<50	110	<25	<30	<30	<30	<30	<5.3	<0.58									
1,1,2,2-Tetrachloroethane	<50	Δ	Δ	Δ	Δ	<80	<40	<40	<7.5	<7.0	<7.0	<7.0	<4.8	<0.60									
1,1,2-Trichloroethane	<50	Δ	Δ	Δ	Δ	<90	<45	<45	<20	<25	<25	<25	<6.5	<0.60									
1,1-Dichloroethane	<50	Δ	Δ	Δ	Δ	<50	<25	<25	<25	<20	<20	<20	<5.0	<0.56									
1,1-Dichloroethene	<50	Δ	Δ	Δ	Δ	<40	<20	<20	<25	<20	<20	<20	<6.0	<0.58									
1,1-Dichloropropene			Δ	Δ		<50	<25	<25	<25	<25	<25	<25	<6.0	<0.80									
1,2,3-Trichlorobenzene			Δ	Δ		<50	<25	<25	<30	<25	<25	<25	<7.5	<0.80									
1,2,3-Trichloropropane			Δ	Δ		<80	<40	<40	<30	<15	<15	<15	<5.3	<0.80									
1,2,4-Trichlorobenzene		Δ	Δ	Δ		<50	<25	<25	<35	<20	<20	<20	<7.5	<0.60									
1,2,4-Trimethylbenzene		Δ	10	4.8		1700	1400	1200	1400	1600	2800	1300	1200	100		210	230	120	170	270	170	8.5	53
1,2-Dibromo-3-chloropropane		Δ	Δ	Δ		<40	<20	<20	<55	<20	<20	<20	<10	<1.0									
1,2-Dibromoethane		Δ	Δ	Δ		<30	<15	<15	<30	<6.5	<6.5	<6.5	<4.0	<0.60									
1,2-Dichlorobenzene		Δ	Δ	Δ	Δ	<70	<35	<35	<25	<20	<20	<20	<5.8	<0.80									
1,2-Dichloroethane	<50	Δ	Δ	Δ	Δ	<90	<45	<45	<25	<15	<15	<15	<7.5	<0.60									
cis-1,2-Dichloroethane		Δ	Δ	Δ	Δ	<50	<25	<25	<30	<20	<20	<20	<6.3	<0.60									
trans-1,2-Dichloroethane	<50	Δ	Δ	Δ	Δ	<40	<20	<20	<30	<25	<25	<25	<6.3	<0.60									
1,2-Dichloropropane	<50	Δ	Δ	Δ	Δ	<40	<20	<20	<25	<11	<11	<11	<5.5	<0.58									
1,3,5-Trimethylbenzene		Δ	Δ	Δ		2900	1500	820	730	1100	1000	770	650	65									
1,3-Dichlorobenzene		Δ	Δ	Δ	Δ	<50	<25	<25	<25	<20	<20	<20	<6.5	<0.60									
cis-1,3-Dichloropropene	<50		Δ	Δ	Δ	<60	<30	<30	<6	<7.0	<7.0	<7.0	<4.8	<0.56									
1,3-Dichloropropane		Δ	Δ	Δ	Δ	<120	<60	<35	<30	<9.5	<9.5	<9.5	<5.8	<0.60									
trans-1,3-Dichloropropene	<50		Δ	Δ	Δ	<70	<35	<60	<7	<7.0	<7.0	<7.0	<4.8	<0.60									
1,4-Dichlorobenzene		Δ	Δ	Δ	Δ	<50	<25	<25	<25	<25	<25	<25	<5.8	<0.60									
2,2-Dichloropropane		Δ	Δ	Δ	Δ	<60	<30	<30	<30	<15	<15	<15	<6.3	<0.56									
2-Butanone (MEK)	<100					<10			<350	<200	<200	<200	<60	<6.0									
2-Chloroethyl vinyl ether																							
2-Chlorotoluene		Δ	Δ	Δ		<60	<30	<30	<25	<15	<15	<15	<5.5	<0.60									
2-Hexanone	<100								<350	<200	<200	<200	<100	<8.0									
4-Chlorotoluene		Δ	Δ	Δ		<60	<30	<30	<20	<15	<15	<15	<5.3	<0.58									
4-Methyl-2-Pentanone (MIBK)	<100								<350	<150	<150	<150	<75	<6.0									
Acetone	<100								<450	<350	<350	<350	<130	<10									
Benzene	<50	Δ	1.5	Δ	2.3	82	<20	<20	<20	<8.0	<8.0	<8.0	<4.8	<0.60									
Bromobenzene		Δ	Δ	Δ	Δ	<50	<25	<25	<25	<15	<15	<15	<5.00	<0.60									
Bromochloromethane			Δ	Δ	Δ	<50	<25	<25	<25	<11	<11	<11	<5.5	<0.80									
Bromodichloromethane	<50	Δ	Δ	Δ	Δ	<40	<20	<20	<6.5	<9.5	<9.5	<9.5	<5.0	<0.60									
Bromoform	<50		Δ	Δ	Δ	<60	<30	<30	<25	<25	<25	<25	<5.5	<0.48									
Bromomethane	<100		Δ	Δ	Δ	<80	<40	<40	<40	<20	<20	<20	<13	<0.60									
n-Butylbenzene		Δ	1.4	Δ	Δ	1800	1100	380	140	150	110	62	45	11									
sec-Butylbenzene		Δ	Δ	Δ		520	220	89	50	120	90	49	50	7.1									
tert-Butylbenzene		Δ	Δ	Δ		<50	<25	<25	<25	29	26	14	7.7	3.2									
Carbon disulfide	<50								<55	<25	<25	<25	<13	<1.2									
Carbon tetrachloride	<50	Δ	Δ	Δ	Δ	<60	<30	<30	<25	<20	<20	<20	<5.8	<0.80									
Chlorobenzene	<50	Δ	Δ	Δ	Δ	<80	<40	<40	<25	<15	<15	<15	<6.0	<0.60									
Chlorodibromomethane	<50	Δ	Δ	Δ	Δ	<40	<20	<20	<30	<12	<12	<12	<4.8	<0.52									
Chloroethane	<100	Δ	Δ	Δ	Δ	<50	<25	<25	<35	<20	<20	<20	<10	<0.60									
Chloroform	<50	Δ	Δ	Δ	Δ	<60	<30	<30	<25	<11	<11	<11	<3.8	12									
Chloromethane	<100	Δ	Δ	Δ	Δ	<40	<20	<20	<12	<15	<15	<15	<10	<0.80									
Dibromomethane			Δ	Δ	Δ	<50	<25	<25	<35	<20	<20	<20	<6.0	<0.60									
Dichlorodifluoromethane		Δ	Δ	Δ	Δ	<50	<25	<25	<30	<20	<20	<20	<6.5	<0.60									
Diisopropyl Ether		Δ				<50	<25	<25	<25	<25	<25	<25	<5.0	<0.60									
Ethylbenzene	<50	Δ	Δ	Δ	1.2	110	<25	<25	<25	19	20	15	19	<0.58									
Hexachlorobutadiene		Δ	Δ	Δ	Δ	<50	<25	<25	<30	<30	<30	<30	<7.5	<0.80									
Isopropylbenzene		Δ	1.7	Δ	Δ	400	110	70 J	38	58	67	37	17	2.7									
p-Isopropyltoluene		Δ	Δ	Δ		550	270	110	77	160	130	75	48	11									
Methyl tert-butyl ether		Δ				<50	<25	<25	<30	<12	<12	<12	<7.3	<0.60									
Methylene chloride	<50	Δ	Δ	Δ	Δ	<100	<50	230 A,B,Q	35	<25	<25	<25	33	1.8 B									
Naphthalene	<10	Δ	1.6	Δ	2.3	<50	190	120	110 A	160	140	120	140	7.2	5.6	19	19	9.4	9.7	15	8.3	1.6	<0.90
n-Propylbenzene		Δ	1.7	Δ	Δ	490	210	80	58	97	100	61	97	4.4									
Styrene	<50	Δ	Δ	Δ	Δ	<50	430	<25	<25	<15	<15	<15	<5.0	<0.60									
Tetrachloroethane	<50	Δ	Δ	Δ	Δ	160	<25	<25	<20	<20	<20	<20	7.7	<0.60									
Tetrahydrofuran									<350	<200	<200	<200	<75	<8.0									
Toluene	<50	Δ	Δ	Δ	Δ	100	<25	<25	<20	<10	11	<10	<5.5	<0.60									
Trichloroethane	<50	3.4	10	3.1	20	<60	<30	<30	<7.5	<7.5	<7.5	<7.5	<5.3	<0.80									
Trichlorofluoromethane		Δ	Δ	Δ	Δ	<40	<20	<20	<25	<20	<20	<20	<5.0	<0.80									

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	
Vinyl acetate	<100								<400	<55	<55	<55	<75	<8.0										
Vinyl chloride	<100	△	△	△	△	△	△	△	△	△	△	△	△	△										
Xylene, m & p-		△	△	△	△	△	590	260	110	110	170	230	160	130		△9.0	△5.0	<5.5	12	<8.0	4.1	<0.8	1.7	
Xylene, o-		△	3.7	△	6.5	2200	740	570	360	430	490	370	310	9.3		42	52	43	54	25	38	5.1	8.8	
Xylenes, Total	<50								470	600	720	530	440	11.2		42	52	43	66	25	42.1	5.1	10.5	

Prepared By: T. Dushek, 8/7/20

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 - W36

Parameter	08/03/92	09/17/92	07/10/96	07/11/97	06/25/98	06/09/99	07/18/00	01/31/01	07/11/01	08/06/02	07/22/03	07/14/04	07/21/05	07/18/06	07/10/07	7/10/2007 Duplicate	07/23/08	07/06/09	07/14/10	07/19/11	07/09/12	07/02/13	07/09/14	07/07/15	07/06/16	07/11/17	07/12/18	07/09/19	07/08/20	
1,1,1,2-Tetrachloroethane			<1	<0.1	<0.3	<0.3	<0.4	<0.20	<0.4	<0.90	<0.90	<0.90	<0.50	<0.70	<0.60	<0.60	<0.60	<0.60	<0.24	<0.40										
1,1,1-Trichloroethane	<50	<50	<1	<0.3	<0.3	<0.3	<0.3	<0.20	<0.3	<0.50	<0.50	<0.50	<0.60	<0.50	<0.60	<0.60	<0.60	<0.60	<0.21	<0.29										
1,1,2,2-Tetrachloroethane	<50	<50	<1	<0.2	<0.2	<0.2	<0.4	<0.20	<0.4	<0.80	<0.80	<0.80	<0.15	<0.13	<0.14	<0.14	<0.14	<0.14	<0.19	<0.30										
1,1,2-Trichloroethane	<50	<50	<1	<1	<0.2	<0.2	<0.2	<0.10	<0.2	<0.90	<0.90	<0.90	<0.40	<0.50	<0.50	<0.50	<0.50	<0.50	<0.26	<0.30										
1,1-Dichloroethane	<50	<50	<1	<0.2	<0.2	<0.2	<0.4	<0.10	<0.4	<0.50	<0.50	<0.50	<0.50	<0.40	<0.40	<0.40	<0.40	<0.40	<0.20	<0.28										
1,1-Dichloroethene	<50	<50	<1	<0.4	<0.2	<0.2	<0.9	<0.20	<0.9	<0.40	<0.40	<0.40	<0.50	<0.30	<0.40	<0.40	<0.40	<0.40	<0.24	<0.29										
1,1-Dichloropropene			<1	<0.2	<0.3	<0.3	<0.4	<0.20	<0.4	<0.50	<0.50	<0.50	<0.50	<0.60	<0.50	<0.50	<0.50	<0.50	<0.24	<0.40										
1,2,3-Trichlorobenzene			<1	<0.5	<0.4	<0.4	<0.5	<0.30	<0.5	<0.50	<0.50	<0.50	<0.60	<0.50	<0.50	<0.50	<0.50	<0.50	<0.30	<0.40										
1,2,3-Trichloropropane			<1	<0.3	<0.2	<0.2	<0.3	<0.10	<0.3	<0.80	<0.80	<0.80	<0.60	<0.70	<0.30	<0.30	<0.30	<0.30	<0.21	<0.40										
1,2,4-Trichlorobenzene			<1	<0.5	<0.3	<0.3	<0.5	<0.30	<0.5	<0.50	<0.50	<0.50	<0.70	<0.70	<0.40	<0.40	<0.40	<0.40	<0.3	<0.30										
1,2,4-Trimethylbenzene			637.5	130	180	7.45	15	0.50	0.84	3.3	<0.50	7.4	<0.40	<0.50	<0.24	<0.24	<0.24	<0.24	1.2	<0.30		<0.40	<0.60	<0.50	0.58	0.5	<0.40	<0.40	<0.40	
1,2-Dibromo-3-chloropropane			<3	<0.3	<0.3	<0.3	<0.3	<0.40	<0.3	<0.40	<0.40	<0.40	<1.1	<0.30	<0.40	<0.40	<0.40	<0.40	<0.40	<0.50										
1,2-Dibromoethane			<2	<0.2	<0.4	<0.4	<0.3	<0.10	<0.3	<0.30	<0.30	<0.30	<0.30	<0.60	<0.50	<0.13	<0.13	<0.13	<0.16	<0.30										
1,2-Dichlorobenzene			<1	<0.3	<0.3	<0.3	<0.3	<0.20	<0.3	<0.70	<0.70	<0.70	<0.50	<0.50	<0.40	<0.40	<0.40	<0.40	<0.23	<0.40										
1,2-Dichloroethane	<50	<50	<1	<0.2	<0.2	<0.2	<0.4	<0.20	<0.4	<0.90	<0.90	<0.90	<0.50	<0.50	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30										
cis-1,2-Dichloroethene			<1	<0.2	<0.2	<0.2	<0.4	<0.20	<0.4	<0.50	<0.50	<0.50	<0.60	<0.40	<0.40	<0.40	<0.40	<0.40	<0.25	<0.30										
trans-1,2-Dichloroethene	<50	<50	<1	<0.2	<0.3	<0.3	<0.8	<0.10	<0.8	<0.40	<0.40	<0.40	<0.60	<0.40	<0.50	<0.50	<0.50	<0.50	<0.25	<0.30										
1,2-Dichloropropane	<50	<50	<1	<0.1	<0.2	<0.2	<0.3	<0.20	<0.3	<0.40	<0.40	<0.40	<0.40	<0.50	<0.50	<0.21	<0.21	<0.21	<0.21	<0.22	<0.29									
1,3,5-Trimethylbenzene			122.2	44	77	3.9	6.15	0.20	1.3	1.4	<0.50	4.0	<0.50	<0.19	<0.19	<0.19	<0.19	<0.19	0.35	<0.30										
1,3-Dichlorobenzene			<1	<0.7	<0.4	<0.4	<0.4	<0.10	<0.4	<0.50	<0.50	<0.50	<0.50	<0.40	<0.40	<0.40	<0.40	<0.40	<0.26	<0.30										
cis-1,3-Dichloropropene	<50	<50	<1	<0.3	<0.3	<0.3	<0.2	<0.10	<0.2	<0.60	<0.60	<0.60	<0.12	<0.14	<0.14	<0.14	<0.14	<0.14	<0.19	<0.28										
1,3-Dichloropropane			<1	<0.3	<0.6	<0.6	<0.4	<0.10	<0.4	<1.2	<1.2	<1.2	<0.60	<0.19	<0.19	<0.19	<0.19	<0.19	<0.23	<0.30										
trans-1,3-Dichloropropene	<50	<50	<1	<0.2	<0.2	<0.2	<0.5	<0.10	<0.5	<0.70	<0.70	<0.70	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.19	<0.30										
1,4-Dichlorobenzene			<1	<0.3	<0.3	<0.3	<0.4	<0.10	<0.4	<0.50	<0.50	<0.50	<0.50	<0.50	<0.60	<0.50	<0.50	<0.50	<0.23	<0.30										
2,2-Dichloropropane			<1	<0.2	<0.5	<0.5	<0.2	<0.20	<0.2	<0.60	<0.60	<0.60	<0.60	<0.60	<0.30	<0.30	<0.30	<0.30	<0.25	<0.28										
2-Butanone (MEK)	<100	<100											<7.0	<5.0	<4.0	<4.0	<4.0	<4.0	<2.4	<3.0										
2-Chloroethyl vinyl ether																														
2-Chlorotoluene			<1	<0.4	<0.3	<0.3	<0.4	<0.10	<0.4	<0.60	<0.60	<0.60	<0.50	<0.50	<0.30	<0.30	<0.30	<0.30	<0.22	<0.30										
2-Hexanone	<100	<100											<7.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0										
4-Chlorotoluene			<1	<0.3	<0.3	<0.3	<0.3	<0.20	<0.3	<0.60	<0.60	<0.60	<0.40	<0.60	<0.30	<0.30	<0.30	<0.30	<0.21	<0.29										
4-Methyl-2-Pentanone (MIBK)	<100	<100											<7.0	<6.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0										
Acetone	<100	<100											<9.0	<10.0	<7.0	<7.0	<7.0	<7.0	<5.0	<5.0										
Benzene	<50	<50	<1	<0.2	<0.3	<0.3	<0.1	<0.10	<0.1	<0.40	<0.40	<0.40	<0.40	<0.40	<0.16	<0.16	<0.16	<0.16	<0.19	<0.30										
Bromobenzene			<1	<0.3	<0.2	<0.2	<0.5	<0.10	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.60	<0.30	<0.30	<0.30	<0.30	<0.20Q	<0.30									
Bromochloromethane			<1	<0.4	<0.2	<0.2	<0.4	<0.10	<0.4	<0.50	<0.50	<0.50	<0.50	<0.50	<0.70	<0.21	<0.21	<0.21	<0.21	<0.22	<0.40									
Bromodichloromethane	<50	<50	<1	<0.2	<0.2	<0.2	<0.2	0.33	<0.2	<0.40	<0.40	<0.40	<0.13	<0.15	<0.19	<0.19	<0.19	<0.19	<0.20	<0.30										

Volatile Organic Compounds - Historical Data
WAULECO, INC - Wausau Facility
Well - W36

Parameter	08/03/92	09/17/92	07/10/96	07/11/97	06/25/98	06/09/99	07/18/00	01/31/01	07/11/01	08/06/02	07/22/03	07/14/04	07/21/05	07/18/06	07/10/07	7/10/2007 Duplicate	07/23/08	07/06/09	07/14/10	07/19/11	07/09/12	07/02/13	07/09/14	07/07/15	07/06/16	07/11/17	07/12/18	07/09/19	07/08/20		
Bromoform	<50	<50	<1	<0.3	<0.2	<0.2	<0.1	<0.20	<0.1	<0.60	<0.60	<0.60	<0.50	<0.21	<0.50	<0.50	<0.50	<0.50	<0.22	<0.24											
Bromomethane	<100	<100	<2	<0.3	<0.9	<0.9	<0.4	<0.40	<0.4	<0.80	<0.80	<0.80	<0.80	<0.90	<0.40	<0.40	<0.40	<0.40	<0.50	<0.30											
n-Butylbenzene			137.3	12	56	4.7	7.1	<0.10	<0.4	2.2	1.4	6.5	<0.60	<0.40	<0.24	<0.24	<0.24	<0.24	<0.24	<0.23	<0.29										
sec-Butylbenzene			22.7	7	25	2.25	3.3	0.48	<0.3	0.64	<0.50	1.7	<0.50	<0.50	<0.29	<0.29	<0.29	<0.29	<0.29	0.53	<0.30										
tert-Butylbenzene			<1	<0.3	<0.3	2.75	0.85	0.10	<0.1	<0.50	<0.50	1.4 J	<0.50	<0.50	<0.23	<0.23	<0.23	<0.23	<0.20	<0.40											
Carbon disulfide	<50	<50											<1.1	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.60											
Carbon tetrachloride	<50	<50	<1	<0.2	<0.4	<0.4	<0.3	<0.10	<0.3	<0.60	<0.60	<0.60	<0.50	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.23	<0.40										
Chlorobenzene	<50	<50	<1	<0.3	<0.3	<0.3	<0.3	<0.10	<0.3	<0.80	<0.80	<0.80	<0.50	<0.40	<0.30	<0.30	<0.30	<0.30	<0.24	<0.30											
Chlorodibromomethane	<50	<50	<1	<0.3	<0.3	<0.3	<0.4	<0.20	<0.4	<0.40	<0.40	<0.40	<0.60	<0.60	<0.23	<0.23	<0.23	<0.23	<0.19	<0.26											
Chloroethane	<100	<100	<2	<0.4	<0.8	<0.8	<0.5	<0.40	<0.5	<0.50	<0.50	<0.50	<0.70	<0.60	<0.40	<0.40	<0.40	<0.40	<0.40	<0.30											
Chloroform	<50	<50	12.5	24	14	7.7	4.75	5.7	4.1	4.5	2.1	1.8 J	1.6	1.3	1.7	1.6	1.3	0.63	0.55	0.65											
Chloromethane	<100	<100	<2	<0.7	<0.9	<0.9	<0.3	<0.20	<0.3	<0.40	<0.40	<0.40	<0.24	<0.30	<0.30	<0.30	<0.30	0.70B	<0.40	<0.40											
Dibromomethane			<1	<0.1	<0.2	<0.2	<0.1	<0.10	<0.1	<0.50	<0.50	<0.50	<0.70	<0.80	<0.40	<0.40	<0.40	<0.40	<0.40	<0.24	<0.30										
Dichlorodifluoromethane			<2	<0.3	<1.2	<1.2	<0.5	<0.10	<0.5	<0.50	<0.50	<0.50	<0.60	<0.29	<0.40	<0.40	<0.40	<0.40	<0.26	<0.30											
Diisopropyl Ether						<0.3	<0.1	<0.10	<0.1	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	<0.50	<0.50	<0.50	<0.20	<0.30											
Ethylbenzene	<50	<50	<1	<0.2	<0.2	<0.2	<0.1	<0.10	<0.1	<0.50	<0.50	<0.50	<0.50	<0.50	<0.28	<0.28	<0.28	<0.28	<0.22	<0.29											
Hexachlorobutadiene			<1	<0.5	<0.6	<0.6	<0.6	<0.20	<0.6	<0.50	<0.50	<0.50	<0.60	<0.90	<0.60	<0.60	<0.60	<0.60	<0.30	<0.40											
Isopropylbenzene			36.0	6.5	23	3.4	1.55	0.25	<0.1	<0.50	<0.50	1.6	<0.40	<0.60	<0.20	<0.20	<0.20	<0.20	<0.18	<0.30											
p-Isopropyltoluene			22.0	<0.4	25	1.3	2.7	0.28	<0.2	0.59	<0.50	1.8	<0.40	<0.40	<0.17	<0.17	<0.17	<0.17	<0.23	<0.30											
Methyl tert-butyl ether						<0.2	<1.1	<0.30	<1.1	<0.50	<0.50	<0.50	<0.60	<0.40	<0.23	<0.23	<0.23	<0.23	<0.29	<0.30											
Methylene chloride	<50	113	<3	<0.3	<0.5	<0.5	<1.9	<0.40	<1.9	<1.0	<1.0	2.9 J,A,B,Q	<0.40	<1.0	<0.50	<0.50	<0.50	<0.50	<0.40	<0.40											
Naphthalene	71.8	<10	122.4	7	14	1.75	1.75	0.89	<0.7	0.64	<0.50	<0.50	<0.60	<0.70	<0.60	<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	
n-Propylbenzene			123.1	12	25	2.8	3.3	0.48	<0.3	0.7	<0.50	2.3	<0.40	<0.40	<0.20	<0.20	<0.20	<0.20	<0.20	<0.30											
Styrene	<50	<50	<1	<0.2	<0.2	<0.2	<0.2	<0.10	<0.2	0.61	1.3	4.8	<0.50	<0.50	<0.30	<0.30	<0.30	<0.30	<0.20	<0.30											
Tetrachloroethene	<50	<50	<1	<0.3	<0.6	<0.6	<0.4	0.12	<0.4	<0.50	<0.50	1.4 J	<0.40	<0.29	<0.40	<0.40	<0.40	<0.40	<0.30	<0.30											
Tetrahydrofuran													<7.0	<7.0	<4.0	<4.0	<4.0	<4.0	<3.0	<4.0											
Toluene	<50	<50	<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	<0.20	<0.22	<0.30											
Trichloroethene	<50	<50	4.4	6	<0.3	4.4	3.75	3.0	1.6	1.5	1.2	0.9 J	1.2	0.81	0.94	0.73	0.7	1.4	1.5	0.94											
Trichlorofluoromethane			<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	<100											<8.0	<1.7	<1.1	<1.1	<1.1	<1.1	<3.0	<4.0											
Vinyl chloride	<100	<100	<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-			<200	4.5	<0.3	0.6	0.59	<0.20	<0.2	<0.60	<0.60	<0.60	<1.0	<0.9	<0.50	<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	
Xylene, o-			201.6	32	<0.5	<0.5	1.55	<0.10	0.28	0.84	<0.50	<0.50	<0.40	<0.60	<0.50	<0.50	<0.50	<0.50	<0.24	<0.29	<0.50	<0.50	<0.50	0.60	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	
Xylenes, Total	297	447												<1.5	<1.0	<1.0	<1.0	<1.0	<1.0	<0.89	<1.4	<1.5	<1.6	0.60	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	

Prepared By: T. Dushek, 8/7/20

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 - 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		2400	606.2	1030	440	450	780	1200	530	210	24	8.1	130	79	350	210	390	420	380		150	130	56	130	96	100	
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		600	328.24	520	200	330	470	590	600	140	20	7.3	130	81	150	71	190	230	140								
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	190											<9.0	12	16	<35	<70	<35	<50	<50								
Benzene	<50	5.3	<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		320	631.4	360	130	240	250	350	570	180	37	4.5	19	22	29	15	41	42	12							
sec-Butylbenzene		160	238.3	260	66	66	79	47 J	78	26	9.9	6.1	10	11	21	12	30	27	15							
tert-Butylbenzene		<25	<100	<0.3	<0.3	<3	<5	<5.0	<10	<5.0	7	2.1	7.2	8.4	8.7	4.4	11	5.2	5.6							
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	3.5	<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	4.8	5.9							
Chloromethane	<100	<2	<200	<0.7	<0.9	<9	<15	<15	<8.0	<4.0	<0.40	<0.24	<0.30	0.36	<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	69.5	75	<100	<0.2	<0.2	<2	<5	<5.0	<10	<5.0	<0.50	<0.50	<0.50	<0.50	2.2	<2.8	6.8	3.4	3							
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		180	180.87	310	44	27	25	24	33	<5.0	5.7	0.45	0.99	1.2	10	6.7	16	<1.8	15							
p-Isopropyltoluene		<25	<100	480	56	78	78	64	110	37	9.9	4.6	23	27	30	13	42	38	13							
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	2.9 J,A,B,Q	<0.40	<1.0	<1.0	2.7	<5	<2.5	10	9.8 B							
Naphthalene	632	160	121.68	<0.8	48	40	84	130	54	<5.0	1.2 J	0.75	5	6.9	35	25	72	30	13	19	21	23	12	19	13	14
n-Propylbenzene		280	<100	710	54	34	41	53	58	14	5.1	0.98	2.1	2.5	16	10	27	17	21							
Styrene	<50	<25	309.4	<0.2	<0.2	<2	<10	<10	63	27	14	<0.50	<0.50	<0.50	<1.5	<3	<1.5	<2.0	<3.0							
Tetrachloroethene	<50	3	<100	<0.3	<0.6	<6	<20	<20	<10	<5.0	5	0.47	1.6	2	<2.0	<4	<2.0	<3.0	<3.0							
Tetrahydrofuran												<7.0	<7.0	<7.0	<20	<40	<20	<30	<40							
Toluene	189	<1	<100	<0.2	<0.2	<2	18	<5.0	<10	<5.0	<0.50	<0.40	<0.40	<0.40	<1.0	<2	<1.0	<2.2	<3.0							
Trichloroethene	<50	19	<100	<0.2	<0.3	<3	<15	<15	<12	<6.0	<0.60	0.31	0.34	0.33	<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-		450	<200	90	46	23	87	75	33	6.4	2	<1.0	1.3	1.8	9.3	8.3	22	17	19	<4.5	<5.0	<2.2	6	<4.0	<4.0	
Xylene, o-		600	<100	<0.2	<0.5	87	230	190	82	14	<0.50	0.62	4.6	6.5	38	38	86	76	55	23	18	11	20	13	15	
Xylenes, Total	1000											0.62	5.9	8.3	47.3	46.3	108	93	74	23	18	11	26	13	15	

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 - 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
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
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-Chlorethyl 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										

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
Isopropylbenzene	49	50										
p-Isopropyltoluene	120	83										
Methyl tert-butyl ether	<2.9	<7.5										
Methylene chloride	8.9	31 B										
Naphthalene	170	230	150 M	600	250	200	200	300	580	150	<18	53
n-Propylbenzene	100	79										
Styrene	<2.0	<7.5										
Tetrachloroethene	<3.0	<7.5										
Tetrahydrofuran	<30	<100										
Toluene	12	14										
Trichloroethene	21	17										
Trichlorofluoromethane	<2.0	<10										
Vinyl acetate	<30	<100										
Vinyl chloride	<1.8	<4.8										
Xylene, m & p-	160	170		130	<50	66	120	89	100	31	<16	<16
Xylene, o-	460	450		680	440	380	450	440	790	270	88	88
Xylenes, Total	620	620		810	440	446	570	529	890	301	88	88

Prepared By: T. Dushek, 8/7/20

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 - 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
1,1,1,2-Tetrachloroethane				<1		<1	<1		<10	<0.1	<0.3	∆	∆	<2.0	<2.0	<4.5
1,1,1-Trichloroethane	<50	<50	<5	<1	<100	<1	<1	<20	<10	<0.3	<0.3	∆	∆	<2.0	<1.5	<2.5
1,1,2,2-Tetrachloroethane	<50	<50	<5	<1	<100	<1	<1	<20	<10	<0.2	<0.2	∆	∆	<2.0	<2.0	<4.0
1,1,2-Trichloroethane	<50	<50	<5	<1	<100	<1	<1	<20	<10	<1	<0.2	∆	∆	<1.0	<1.0	<4.5
1,1-Dichloroethane	<50	<50	<5	<1	<100	<1	<1	<20	<10	<0.2	<0.2	∆	∆	<1.0	<2.0	<2.5
1,1-Dichloroethene	<50	<50	<5	<1	<100	<1	<1	<20	<10	<0.4	<0.2	∆	∆	<2.0	<4.5	<2.0
1,1-Dichloropropene				<1		<1	<1		<10	<0.2	<0.3	∆	∆	<2.0	<2.0	<2.5
1,2,3-Trichlorobenzene				<1	<100	<1	<1		<10	<0.5	<0.4	∆	∆	<3.0	<2.5	<2.5
1,2,3-Trichloropropane				<1		<1	<1		<10	<0.3	<0.2	∆	∆	<1.0	<1.5	<4.0
1,2,4-Trichlorobenzene				<1	<100	<1	<1		<10	<0.5	<0.3	∆	∆	<3.0	<2.5	<2.5
1,2,4-Trimethylbenzene				620	2200	110	20		137.7	160	340	310	250	270	200	86
1,2-Dibromo-3-chloropropane				<3	<300	<3	<3		<30	<0.3	<0.3	∆	∆	<4.0	<1.5	<2.0
1,2-Dibromoethane				<2	<200	<2	<2		<20	<0.2	<0.4	∆	∆	<1.0	<1.5	<1.5
1,2-Dichlorobenzene				<1	<100	<1	<1	<20	<10	<0.3	<0.3	∆	∆	<2.0	<1.5	<3.5
1,2-Dichloroethane	<50	<50	<5	<1	<100	<1	<1	<20	<10	<0.2	<0.2	∆	∆	<2.0	<2.0	<4.5
cis-1,2-Dichloroethene				<1	<100	<1	<1	<20	<10	<0.2	<0.2	∆	∆	<2.0	<2.0	<2.5
trans-1,2-Dichloroethene	<50	<50	<5	<1	<100	<1	<1	<20	<10	<0.2	<0.3	∆	∆	<1.0	<4.0	<2.0
1,2-Dichloropropane	<50	<50	<5	<1	<100	<1	<1	<20	<10	<0.1	<0.2	∆	∆	<2.0	<1.5	<2.0
1,3,5-Trimethylbenzene				230	2400	130	400		85.0	140	190	180	140	140	100	47
1,3-Dichlorobenzene				<1	<100	<1	<1	<20	<10	<0.7	<0.4	∆	∆	<1.0	<2.0	<2.5
cis-1,3-Dichloropropene	<50	<50	<5	<1		<1	<1	<20	<10	<0.3	<0.3	∆	∆	<1.0	<1.0	<3.0
1,3-Dichloropropane				<1	<100	<1	<1		<10	<0.3	<0.6	∆	∆	<1.0	<2.0	<6.0
trans-1,3-Dichloropropene	<50	<50	<5	<1		<1	<1	<20	<10	<0.2	<0.2	∆	∆	<1.0	<2.5	<3.5
1,4-Dichlorobenzene				<1	<100	<1	<1	<20	<10	<0.3	<0.3	∆	∆	<1.0	<2.0	<2.5
2,2-Dichloropropane				<1	<100	<1	<1		<10	<0.2	<0.5	∆	∆	<2.0	<1.0	<3.0
2-Butanone (MEK)	<100	<100	38.5													
2-Chloroethyl vinyl ether								<200								
2-Chlorotoluene				<1	<100	<1	<1		<10	<0.4	<0.3	∆	∆	<1.0	<2.0	<3.0
2-Hexanone	<100	<100	<10													
4-Chlorotoluene				<1	<100	<1	<1		<10	<0.3	<0.3	∆	∆	<2.0	<1.5	<3.0
4-Methyl-2-Pentanone (MIBK)	<100	<100	<10													
Acetone	191	123	170													
Benzene	<50	<50	<5	<1	<100	<1	<1	<20	<10	<0.2	<0.3	∆	∆	<1.0	<0.5	<2.0
Bromobenzene				<1	<100	<1	<1		<10	<0.3	<0.2	∆	∆	<1.0	<2.5	<2.5
Bromochloromethane				<1		<1	<1		<10	<0.4	<0.2	∆	∆	<1.0	<2.0	<2.5
Bromodichloromethane	<50	<50	<5	<1	<100	<1	<1	<20	<10	<0.2	<0.2	∆	∆	<1.0	<1.0	<2.0
Bromoform	<50	<50	<5	<1		<1	<1	<20	<10	<0.3	<0.2	∆	∆	<2.0	<0.5	<3.0
Bromomethane	<100	<100	<10	<2		<2	<2	<40	<20	<0.3	<0.9	∆	∆	<4.0	<2.0	<4.0
n-Butylbenzene				230	4800	120	280		128.9	110	170	180	190	18	120	76
sec-Butylbenzene				58	2900	12	13		21.7	<0.3	60	75	47	18	39	15
tert-Butylbenzene				<1	<100	<1	<1		<10	<0.3	40	∆	∆	9.1	<0.5	<2.5
Carbon disulfide	<50	<50	<5													
Carbon tetrachloride	<50	<50	<5	<1	<100	<1	<1	<20	<10	<0.2	<0.4	∆	∆	<1.0	<1.5	<3.0
Chlorobenzene	<50	<50	<5	<1	<100	<1	<1	<20	<10	<0.3	<0.3	∆	∆	<1.0	<1.5	<4.0
Chlorodibromomethane	<50	<50	<5	<1	<100	<1	<1	<20	<10	<0.3	<0.3	∆	∆	<2.0	<2.0	<2.0
Chloroethane	<100	<100	<10	<2	<200	<2	<2	<40	<20	<0.4	<0.8	∆	∆	<4.0	<2.5	<2.5
Chloroform	<50	<50	<5	<1	<100	<1	2.8	<20	<10	<0.2	<0.2	∆	∆	<1.0	<2.5	<3.0

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
Chloromethane	<100	<100	<10	<2	<200	<2	<2	<40	<20	<0.7	<0.9	<9	<3	<2.0	<1.5	<2.0
Dibromomethane				<1		<1	<1		<10	<0.1	<0.2	<2	<4	<2.0	<2.0	<2.5
Dichlorodifluoromethane				<2	<200	<2	<2		<20	<0.3	<1.2	<12	<5	<1.0	<2.5	<2.5
Diisopropyl Ether					<100							<3	<1	<1.0	<0.5	<2.5
Ethylbenzene	<50	<50	<5	6.3	600	<1	<1	<20	<10	<0.2	<0.2	<2	<1	1.4	<0.5	<2.5
Hexachlorobutadiene				<1	<100	<1	<1	<10	<0.5	<0.6	<6	<6	<6	<2.0	<3.0	<2.5
Isopropylbenzene				57	2000	7.1	14	21.9	<0.2	68	60	22	8.9	35	10	
p-Isopropyltoluene				<1	1200	13	<1	56.0	<0.4	40	160	40	16	39	16	
Methyl tert-butyl ether					<100							<2	<11	<3.0	<5.5	<2.5
Methylene chloride	<50	53.7	<10	<3	<300	<3	<3	<60	<30	<0.3	<0.5	<5	<19	<4.0	<9.5	<5.0
Naphthalene	<103	48.1	52.3	95	630	44	27	52	17.2	<0.8	34	32	19	26	15	4.6
n-Propylbenzene				36	2400	6.6	<1	25.6	110	54	57	32	14	35	12	
Styrene	<50	<50	<5	5.9		<1	<1	<10	<0.2	<0.2	<2	<2	<2	<1.0	<1.0	18
Tetrachloroethene	<50	<50	<5	1.3	<100	3.8	6.5	<20	<10	<0.3	<0.6	<6	<4	1.6	10	4.1
Tetrahydrofuran																
Toluene	<50	<50	<5	7.5	<100	3.6	<1	<20	<10	<0.2	<0.2	<2	4	<2.0	<0.5	<2.5
Trichloroethene	<50	<50	<5	3.8	<100	4	4.4	<20	<10	<0.2	<0.3	<3	<3	<2.0	<1.5	<3.0
Trichlorofluoromethane				<1	<100	<1	<1	<20	<10	<0.5	<0.6	<6	<4	<2.0	<2.0	<2.0
Vinyl acetate	<100	<100	<10													
Vinyl chloride	<100	<100	<10	<1	<100	<1	<1	<20	<10	<0.3	<0.5	<5	<4	<1.0	<2.0	<1.5
Xylene, m & p-				60	500	5	5.8	77	<20	<0.4	48	22	11	7.6	13	4.7
Xylene, o-				190	2700	18	160	140	<10	<0.2	<0.5	140	69	21	<0.5	<2.5
Xylenes, Total	66.2	135	67.3													

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

Parameter	07/22/03	07/13/04	7/13/2004 Duplicate	07/19/05	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
1,1,1,2-Tetrachloroethane	<4.5	<0.90	<4.5	<10.0	<3.5 *	<3.0	<3.0	<0.60	<0.24	<0.40									
1,1,1-Trichloroethane	<2.5	<0.50	<2.5	<12.0	<2.5 *	<3.0	<3.0	<0.60	<0.21	<0.29									
1,1,2,2-Tetrachloroethane	<4.0	<0.80	<4.0	<3.0	<0.65 *	<0.70	<0.70	<0.14	<0.19	<0.30									
1,1,2-Trichloroethane	<4.5	<0.90	<4.5	<8.0	<2.5 *	<2.5	<2.5	<0.50	<0.26	<0.30									
1,1-Dichloroethane	<2.5	<0.50	<2.5	<10.0	<2.0 *	<2.0	<2.0	<0.40	<0.20	<0.28									
1,1-Dichloroethene	<2.0	<0.40	<2.0	<10.0	<1.5 *	<2.0	<2.0	<0.40	<0.24	<0.29									
1,1-Dichloropropene	<2.5	<0.50	<2.5	<10.0	<3.0 *	<2.5	<2.5	<0.50	<0.24	<0.40									
1,2,3-Trichlorobenzene	<2.5	<0.50	<2.5	<12.0	<2.5 *	<2.5	<2.5	<0.50	<0.30	<0.40									
1,2,3-Trichloropropane	<4.0	<0.80	<4.0	<12.0	<3.5 *	<1.5	<1.5	<0.30	<0.21	<0.40									
1,2,4-Trichlorobenzene	<2.5	<0.50	<2.5	<14.0	<3.5 *	<2.0	<2.0	<0.40	<0.30	<0.30									
1,2,4-Trimethylbenzene	130	4.0	90	220	200 *	1	29	120	49	150		54	170	230	300	160	220	310	290
1,2-Dibromo-3-chloropropane	<2.0	<0.40	<2.0	<22.0	<1.5 *	<2.0	<2.0	<0.40	<0.40	<0.50									
1,2-Dibromoethane	<1.5	<0.30	<1.5	<12.0	<2.5 *	<0.65	<0.65	<0.13	<0.16	<0.30									
1,2-Dichlorobenzene	<3.5	<0.70	<3.5	<10.0	<2.5 *	<2.0	<2.0	<0.40	<0.23	<0.40									
1,2-Dichloroethane	<4.5	<0.90	<4.5	<10.0	<2.5 *	<1.5	<1.5	<0.30	<0.30	<0.30									
cis-1,2-Dichloroethene	<2.5	<0.50	<2.5	<12.0	<2.0 *	<2.0	<2.0	<0.40	<0.25	<0.30									
trans-1,2-Dichloroethene	<2.0	<0.40	<2.0	<12.0	<2.0 *	<2.5	<2.5	<0.50	<0.25	<0.30									
1,2-Dichloropropane	<2.0	<0.40	<2.0	<10.0	<2.5 *	<1.1	<1.1	<0.21	<0.22	<0.29									
1,3,5-Trimethylbenzene	75	2.4	55	140	110 *	150	27	120	47	60									
1,3-Dichlorobenzene	<2.5	<0.50	<2.5	<10.0	<2.0 *	<2.0	<0.95	<0.40	<0.26	<0.30									
cis-1,3-Dichloropropene	<3.0	<0.60	<3.0	<2.4	<0.75 *	<0.70	<0.70	<0.14	<0.19	<0.28									
1,3-Dichloropropane	<6.0	<1.2	<6.0	<12.0	<2.5 *	<0.95	<0.95	<0.19	<0.23	<0.30									
trans-1,3-Dichloropropene	<3.5	<0.70	<3.5	<2.8	<0.70 *	<0.70	<0.70	<0.14	<0.19	<0.30									
1,4-Dichlorobenzene	<2.5	<0.50	<2.5	<10.0	<3.0 *	<2.5	<2.5	<0.50	<0.23	<0.30									
2,2-Dichloropropane	<3.0	<0.60	<3.0	<12.0	<3.0 *	<1.5	<1.5	<0.30	<0.25	<0.28									
2-Butanone (MEK)				<140.	46 *	27	<20	9.7	2.4	3.8									
2-Chloroethyl vinyl ether																			
2-Chlorotoluene	<3.0	<0.60	<3.0	<10.0	<2.5 *	<1.5	<1.5	<0.30	<0.22	<0.30									
2-Hexanone				<140.	<40 *	<20	<20	<4.0	<4.0	<4.0									
4-Chlorotoluene	<3.0	<0.60	<3.0	<8.0	<3.0 *	<1.5	<1.5	<0.30	<0.21	<0.29									
4-Methyl-2-Pentanone (MIBK)				<140.	<30 *	<15	<15	<3.0	<3.0	<3.0									
Acetone				<180.	55 *	43	<35	<7.0	<5.0	<5.0									
Benzene	<2.0	<0.40	<2.0	<8.0	<2.0 *	<0.80	<0.80	<0.16	<0.19	<0.30									
Bromobenzene	<2.5	<0.50	<2.5	<10.0	<3.0 *	<1.5	<1.5	<0.30	<0.20	<0.30									
Bromochloromethane	<2.5	<0.50	<2.5	<10.0	<3.5 *	<1.1	<1.1	<0.21	<0.22	<0.40									
Bromodichloromethane	<2.0	<0.40	<2.0	<2.6	<0.75 *	<0.95	<0.95	<0.19	<0.20	<0.30									
Bromoform	<3.0	<0.60	<3.0	<10.0	<1.1 *	<2.5	<2.5	<0.50	<0.22	<0.24									
Bromomethane	<4.0	<0.80	<4.0	<16.0	<4.5 *	<2.0	<2.0	<0.40	<0.50	<0.30									
n-Butylbenzene	150	14	64	18	21 *	26	10	28	11	6.1									
sec-Butylbenzene	35	8	21	14	20 *	20	7.4	18	9.2	4.7									
tert-Butylbenzene	<2.5	5.6	<2.5	<10.0	10 *	9.7	2.4	9.4	3.5	4.5									
Carbon disulfide				<22.	<5.0 *	<2.5	<2.5	<0.50	<0.50	<0.60									
Carbon tetrachloride	<3.0	<0.60	<3.0	<10.0	<2.5 *	<2.0	<2.0	<0.40	<0.23	<0.40									
Chlorobenzene	<4.0	<0.80	<4.0	<10.0	<2.0 *	<1.5	<1.5	<0.30	<0.24	<0.30									
Chlorodibromomethane	<2.0	<0.40	<2.0	<12.0	<3.0 *	<1.2	<1.2	<0.23	<0.19	<0.26									
Chloroethane	<2.5	<0.50	<2.5	<14.0	4.9 *	3.4	<2.0	<0.40	<0.40	<0.30									
Chloroform	<3.0	<0.60	<3.0	<10.0	<2.5 *	<1.1	<1.1	<0.22	<0.15	11									

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

Parameter	07/22/03	07/13/04	7/13/2004 Duplicate	07/19/05	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
Chloromethane	<2.0	<0.40	<2.0	<4.8	2.3 *	2.8	<1.5	0.68AB	<0.40	<0.40									
Dibromomethane	<2.5	<0.50	<2.5	<14.0	<4.0 *	<2.0	<2.0	<0.40	<0.24	<0.30									
Dichlorodifluoromethane	<2.5	<0.50	<2.5	<12.0	<1.5 *	<2.0	<2.0	<0.40	<0.26	<0.30									
Diisopropyl Ether	<2.5	<0.50	<2.5	<10.0	<2.0 *	<2.5	<2.5	<0.50	<0.20	<0.30									
Ethylbenzene	<2.5	<0.50	<2.5	<10.0	<2.5 *	<1.4	<1.4	0.47	0.41	0.91									
Hexachlorobutadiene	<2.5	<0.50	<2.5	<12.0	<4.5 *	<3.0	<3.0	<0.60	<0.30	<0.40									
Isopropylbenzene	<2.5	0.92 J	18	<8.0	7.4 *	7.1	<1	3.8	0.27	7.7									
p-Isopropyltoluene	42	<0.50	<2.5	19	24 *	23	8.8	22	8.7	3.3									
Methyl tert-butyl ether	<2.5	<0.50	<2.5	<12.0	<2.0 *	<1.2	<1.2	<0.23	<0.29	<0.30									
Methylene chloride	<5.0	3.0 J,A,B,Q	25 A,B,Q	<8.0	19 Q*	12	<2.5	<0.50	<0.40	0.54 B									
Naphthalene	10	0.84 J	5.5 J	<12.0	9.4 *	11	<3.0	5.2	<0.40	22	<1.6 V	25	50	52	42	26	40	38	26
n-Propylbenzene	23	0.78 J	16	12	14 *	15	3	8.5	3.7	11									
Styrene	65	2.1	36	<10.0	<2.5 *	<1.5	<1.5	<0.30	<0.20	<0.30									
Tetrachloroethene	9.0	<0.50	5.7 J	<8.0	2.1 *	<2.0	3	2.4	1.8	2.3									
Tetrahydrofuran		0.60		<140	<35 *	<20	<20	<4.0	<3.0	<4.0									
Toluene	<2.5	<0.50	<2.5	<8.0	<2.0 *	<1.0	<1.0	<0.20	<0.22	<0.30									
Trichloroethene	<3.0	<0.15	<3.0	<3.0	<0.75 *	<0.75	<0.75	0.36	<0.21	<0.40									
Trichlorofluoromethane	<2.0	<0.40	<2.0	<10.0	<3.5 *	<2.0	<2.0	<0.40	<0.20	<0.40									
Vinyl acetate				<160.	<8.5 *	<5.5	<5.5	<1.1	<3.0	<4.0									
Vinyl chloride	<1.5	<0.30	<1.5	<2.4	<0.75 *	<0.75	<0.75	<0.15	<0.18	<0.19									
Xylene, m & p-	14	<0.60	7.1 J	<20.0	<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
Xylene, o-	<2.5	<0.50	<2.5	15	18 *	19	12	17	14	31		57	96	89	110	56	50	45	31
Xylenes, Total				15	18 *	23.1	12	19.3	16.1	34.6		62.1	102.8	97.1	126	56	56	45	33.5

Prepared By: T. Dushek, 8/7/20

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 - 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	740	1700	620	140		210
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	320	820	170	72		
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	270	760	14	21		
sec-Butylbenzene	45	130	13	16		
tert-Butylbenzene	<10	<10	4.1	3.7		

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	16	24	3.5		
Hexachlorobutadiene	<10	<10	<6	<0.80		
Isopropylbenzene	46	110	40	9.5		
p-Isopropyltoluene	56	180	15	16		
Methyl tert-butyl ether	<10	<10	<2.3	<0.60		
Methylene chloride	76	78	<5	<0.80		
Naphthalene	32	46	33	7	2.8	23
n-Propylbenzene	78	190	67	18		
Styrene	<10	<10	<3	<0.60		
Tetrachloroethene	15	49	<4	2.4		
Tetrahydrofuran			<40	<8.0		
Toluene	<10	<10	4.5	0.75		
Trichloroethene	<12	<12	8.5	3.2		
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-	54	96	76	9.6		10
Xylene, o-	230	470	220	56		52
Xylenes, Total	284	566	296	65.6		62

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

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

NOTES:

All Units are in ug/L

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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
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
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					

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
Isopropylbenzene					
p-Isopropyltoluene					
Methyl tert-butyl ether					
Methylene chloride					
Naphthalene	<0.90	<0.90	<0.90	<0.90	<0.90
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
Xylene, o-	<0.40	<0.40	<0.40	<0.40	<0.40
Xylenes, Total	<1.2	<1.2	<1.2	<1.2	<1.2

Prepared By: T. Dushek, 8/7/20

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 - W72

Parameter	07/01/16	07/10/17	07/10/18	07/11/19	07/06/20
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
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					

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
Isopropylbenzene					
p-Isopropyltoluene					
Methyl tert-butyl ether					
Methylene chloride					
Naphthalene	<0.90	<0.90	<0.90	<0.90	<0.90
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
Xylene, o-	<0.40	<0.40	<0.40	<0.40	<0.40
Xylenes, Total	<1.2	<1.2	<1.2	<1.2	<1.2

Prepared By: T. Dushek, 8/7/20

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 - W73

Parameter	07/01/16	07/10/17	07/10/18	07/11/19	07/07/20
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
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					

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
Isopropylbenzene					
p-Isopropyltoluene					
Methyl tert-butyl ether					
Methylene chloride					
Naphthalene	<0.90	<0.90	<0.90	<0.90	<0.90
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
Xylene, o-	<0.40	<0.40	<0.40	<0.40	<0.40
Xylenes, Total	<1.2	<1.2	<1.2	<1.2	<1.2

Prepared By: T. Dushek, 8/7/20

Checked by: A. Voit, 11/23/20

NOTES:

All Units are in ug/L

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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
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
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					

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
Isopropylbenzene					
p-Isopropyltoluene					
Methyl tert-butyl ether					
Methylene chloride					
Naphthalene	<0.90	<0.90	<0.90	<0.90	<0.90
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
Xylene, o-	<0.40	<0.40	<0.40	<0.40	<0.40
Xylenes, Total	<1.2	<1.2	<1.2	<1.2	<1.2

Prepared By: T. Dushek, 8/7/20

Checked by: A. Voit, 11/23/20

NOTES:

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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 - DFOMW5

Parameter	07/11/16	07/20/17	07/16/18	07/16/19	07/13/20
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
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					

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
p-Isopropyltoluene					
Methyl tert-butyl ether					
Methylene chloride					
Naphthalene	3.3	3	5.8	0.97	1.3
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
Xylene, o-	0.53	<0.40	<0.40	<0.40	<0.40
Xylenes, Total	0.53	<1.20	<1.20	<1.20	<1.20

Prepared By: T. Dushek, 8/7/20

Checked by: A. Voit, 11/23/20

NOTES:

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Bold values indicate detections

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B = Analyte detected in associated Method Blank

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

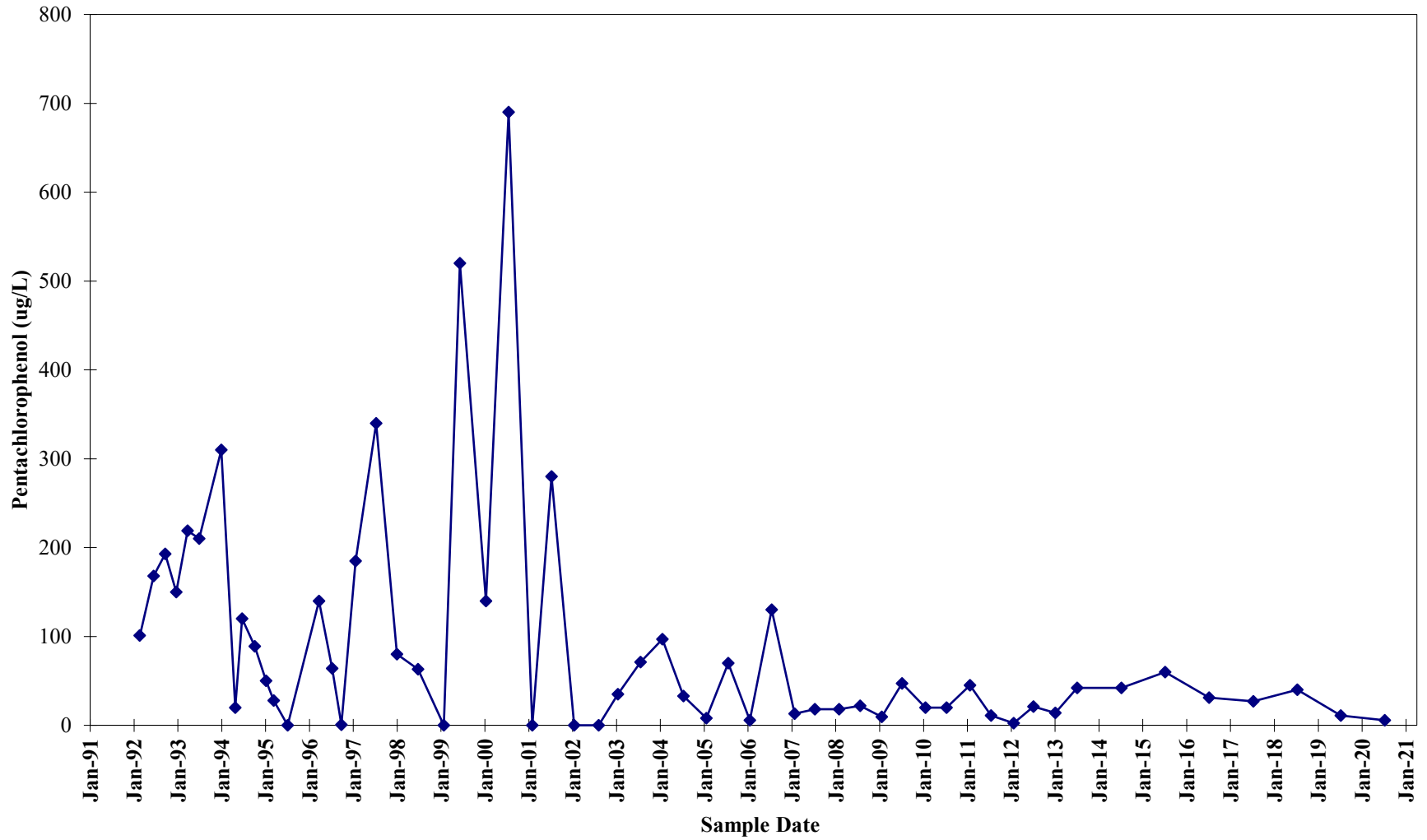
J = Estimated Value

Q = Lab Control Sample outside acceptance limits

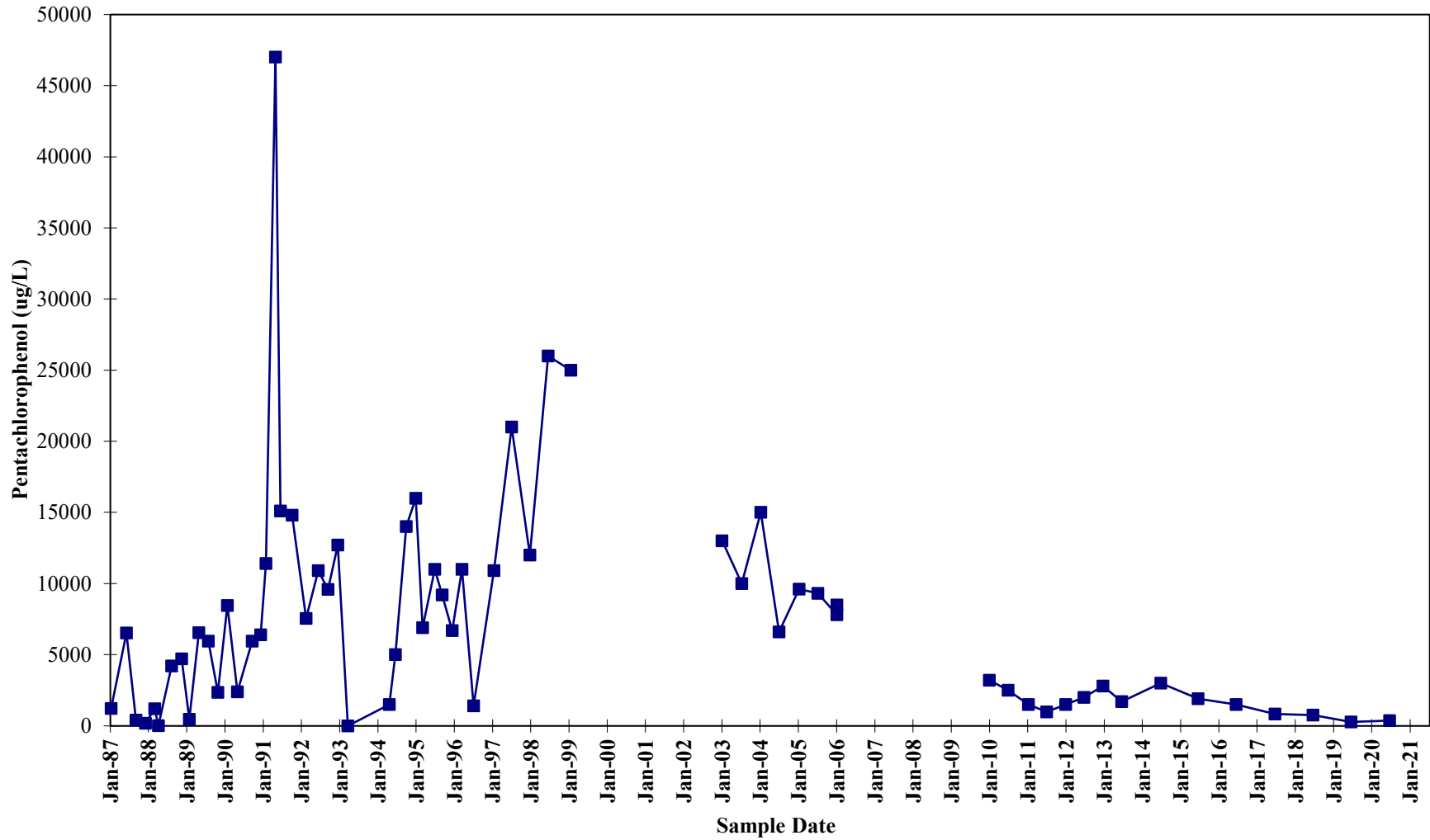
* = Suspected methylene chloride laboratory contamination.

APPENDIX C
HISTORICAL PCP ANALYSIS RESULTS

**Pentachlorophenol Concentrations
Historical Groundwater Monitoring
Well W01A**

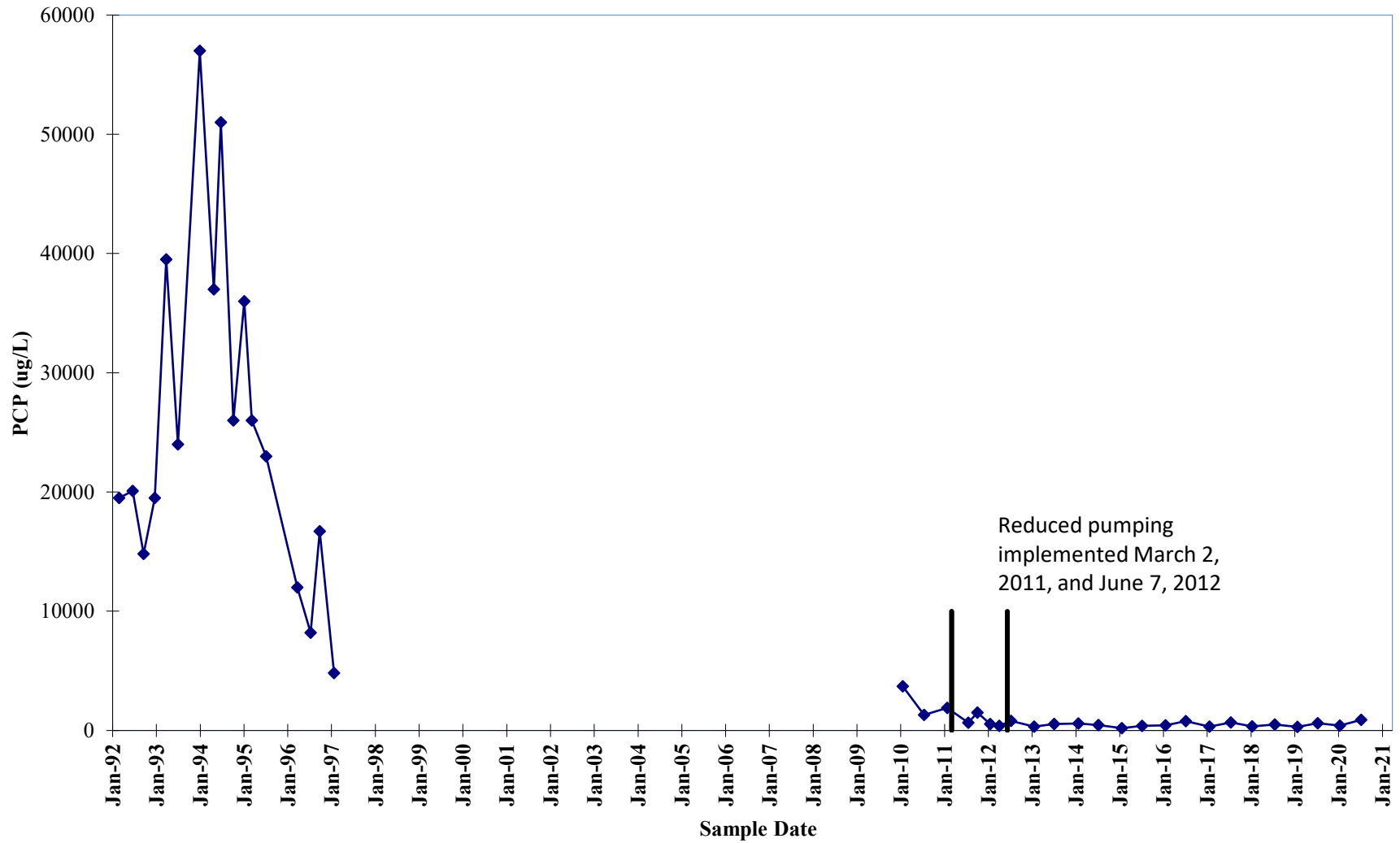


Pentachlorophenol Concentrations Historical Groundwater Monitoring Well W02



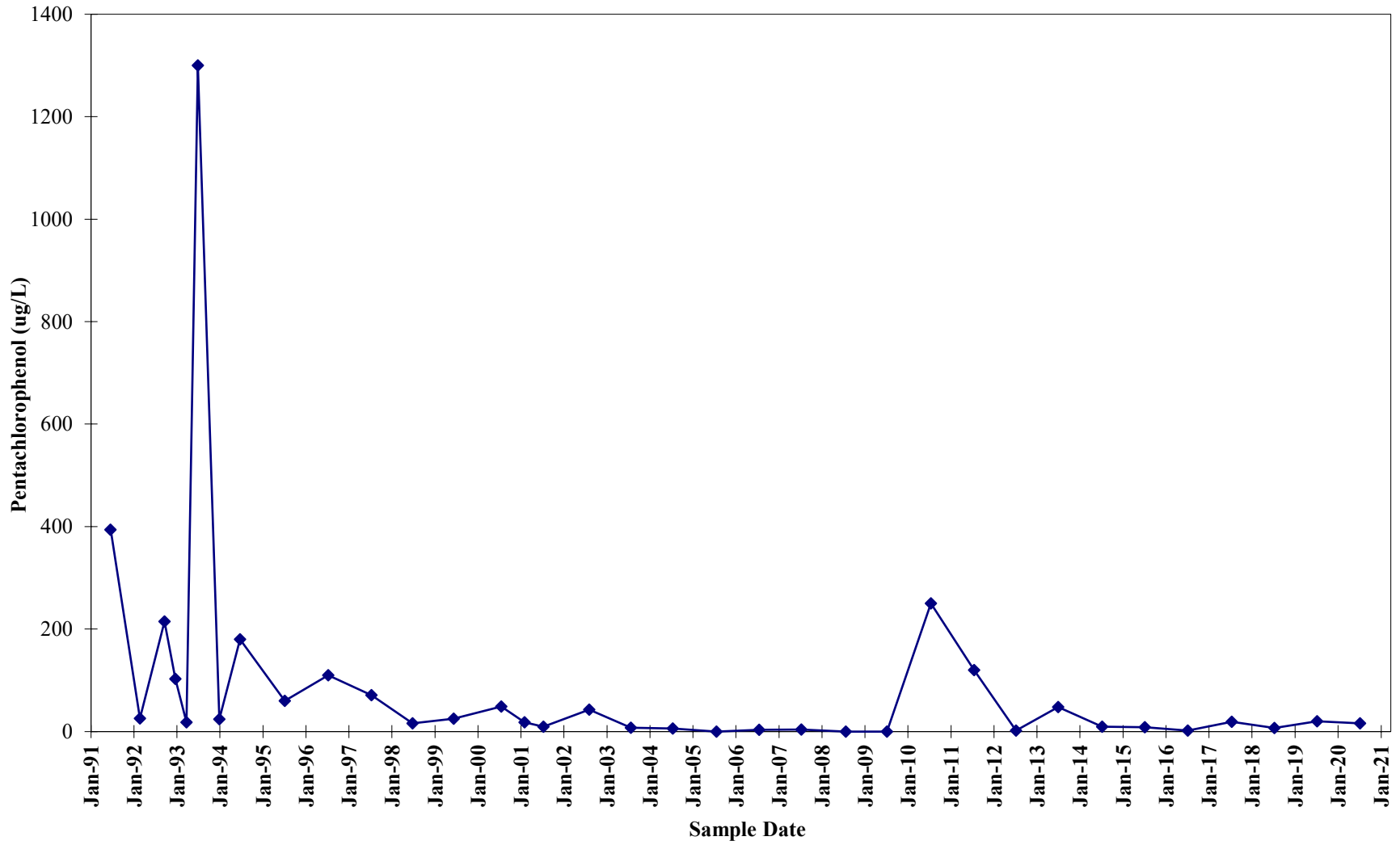
PCP data gap due to measurable product present in well.

Pentachlorophenol Concentrations Historical Groundwater Monitoring Well W03A

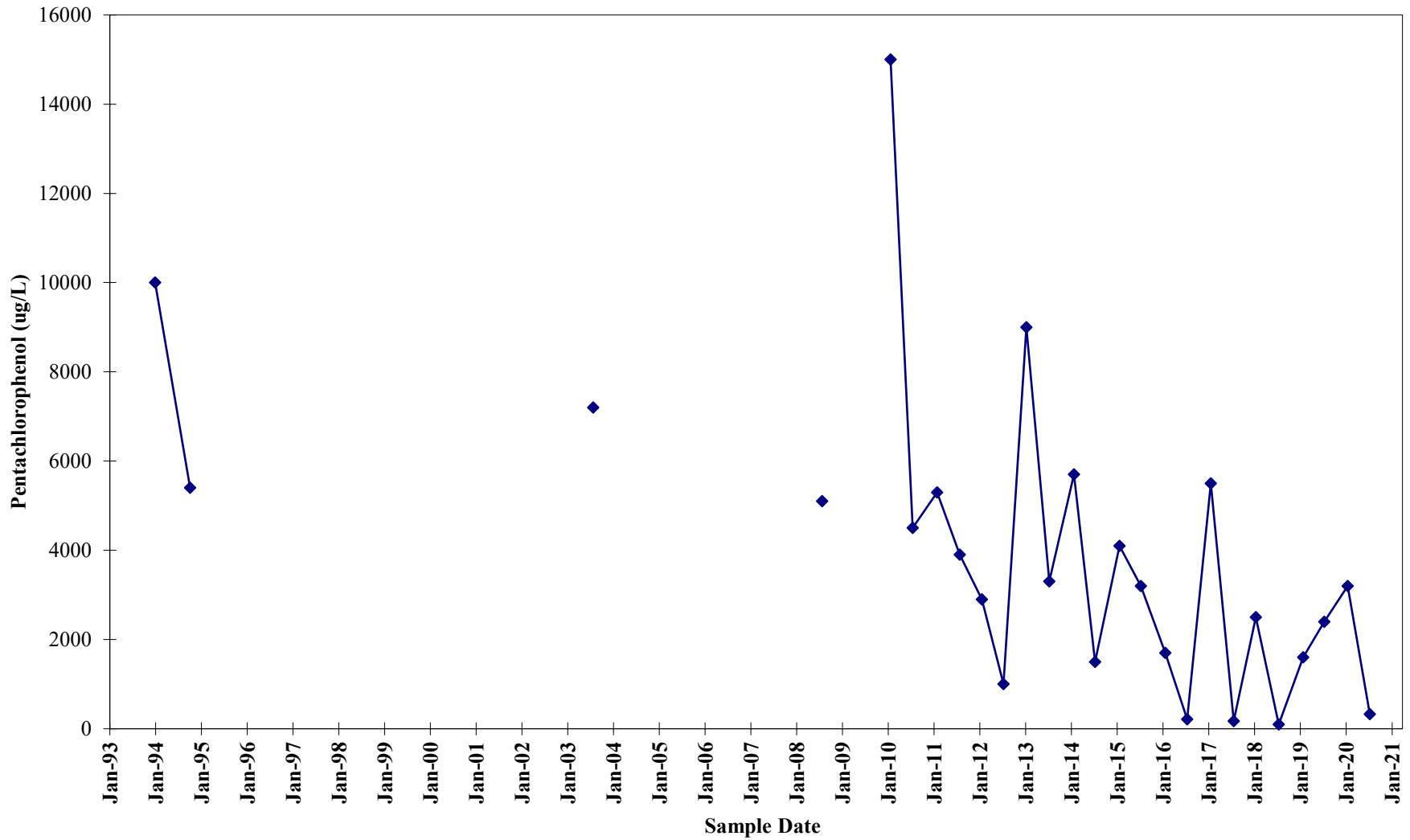


PCP data gap due to measurable product present in well.

**Pentachlorophenol Concentrations
Historical Groundwater Monitoring
Well W03B**

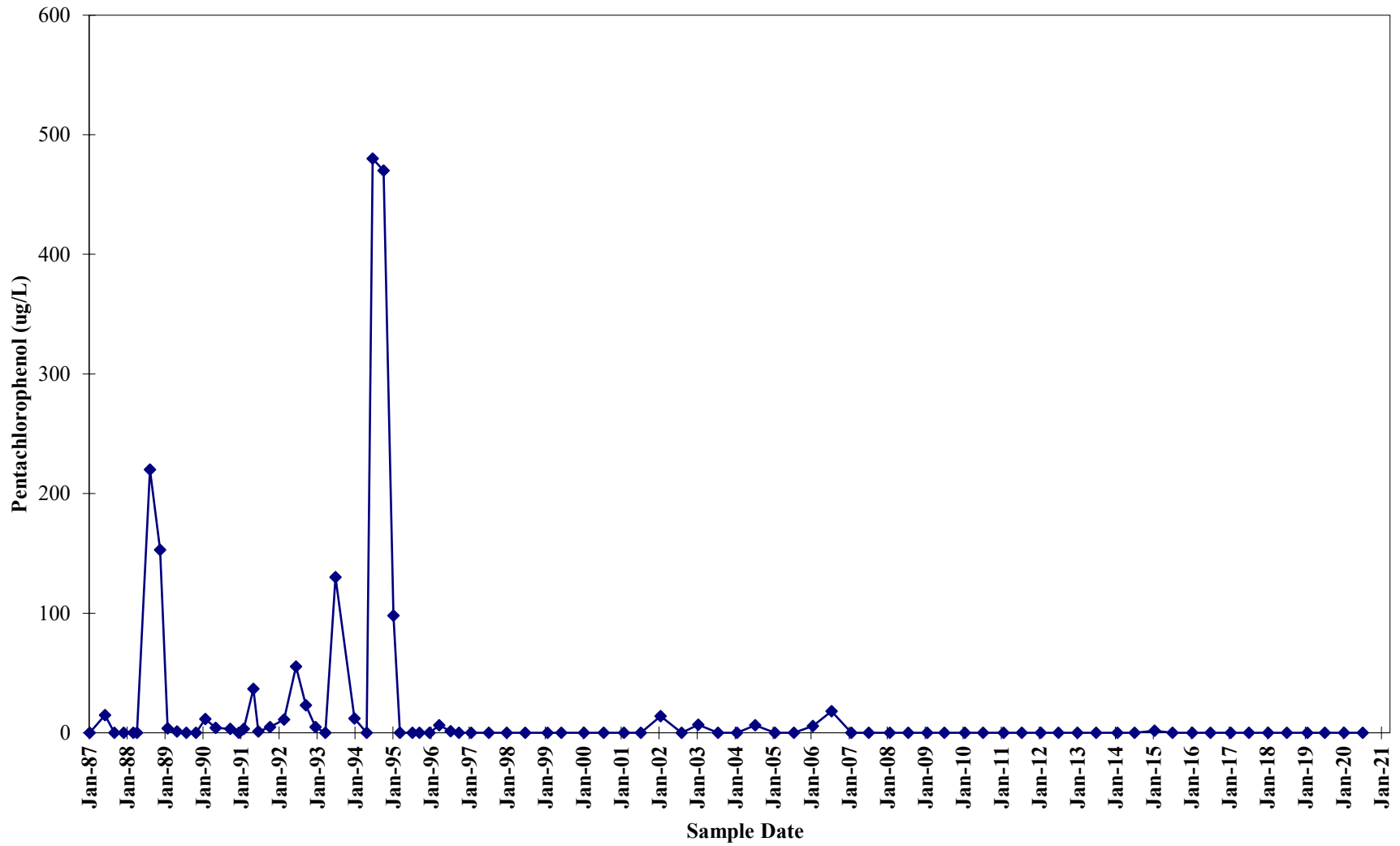


**Pentachlorophenol Concentrations
Historical Groundwater Monitoring
Well W06R**

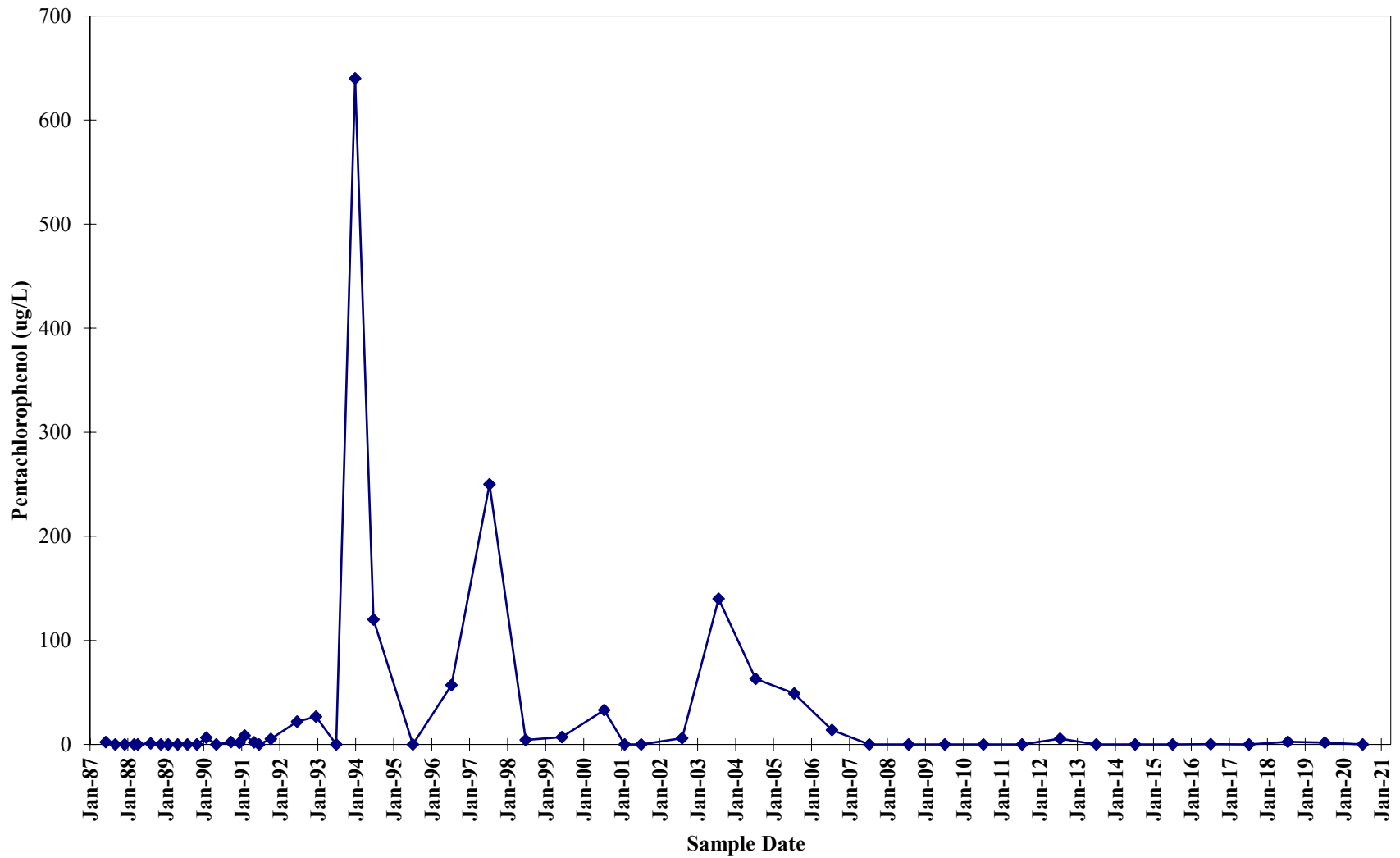


PCP data gap due to measurable product present in well.

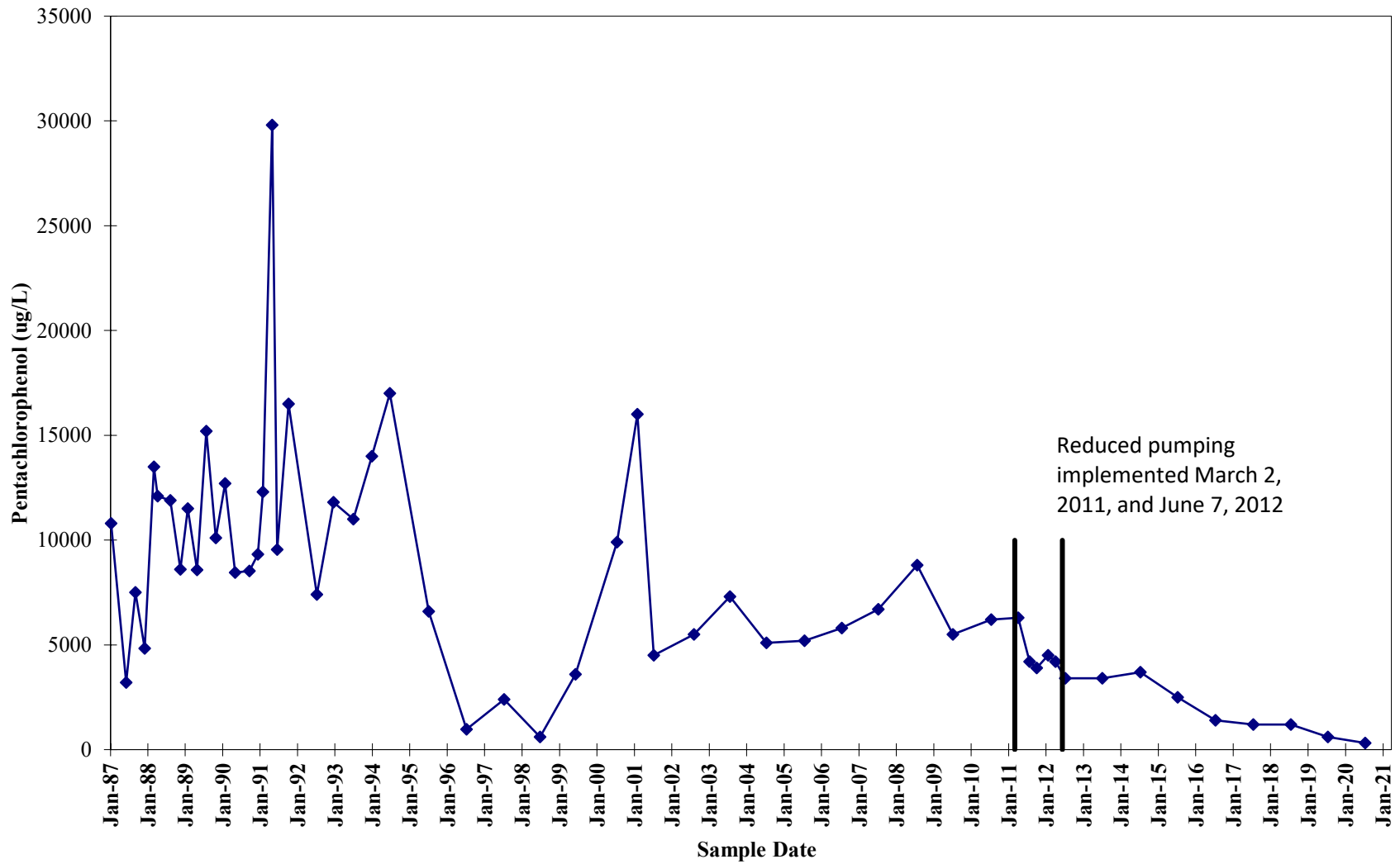
Pentachlorophenol Concentrations Historical Groundwater Monitoring Well W08



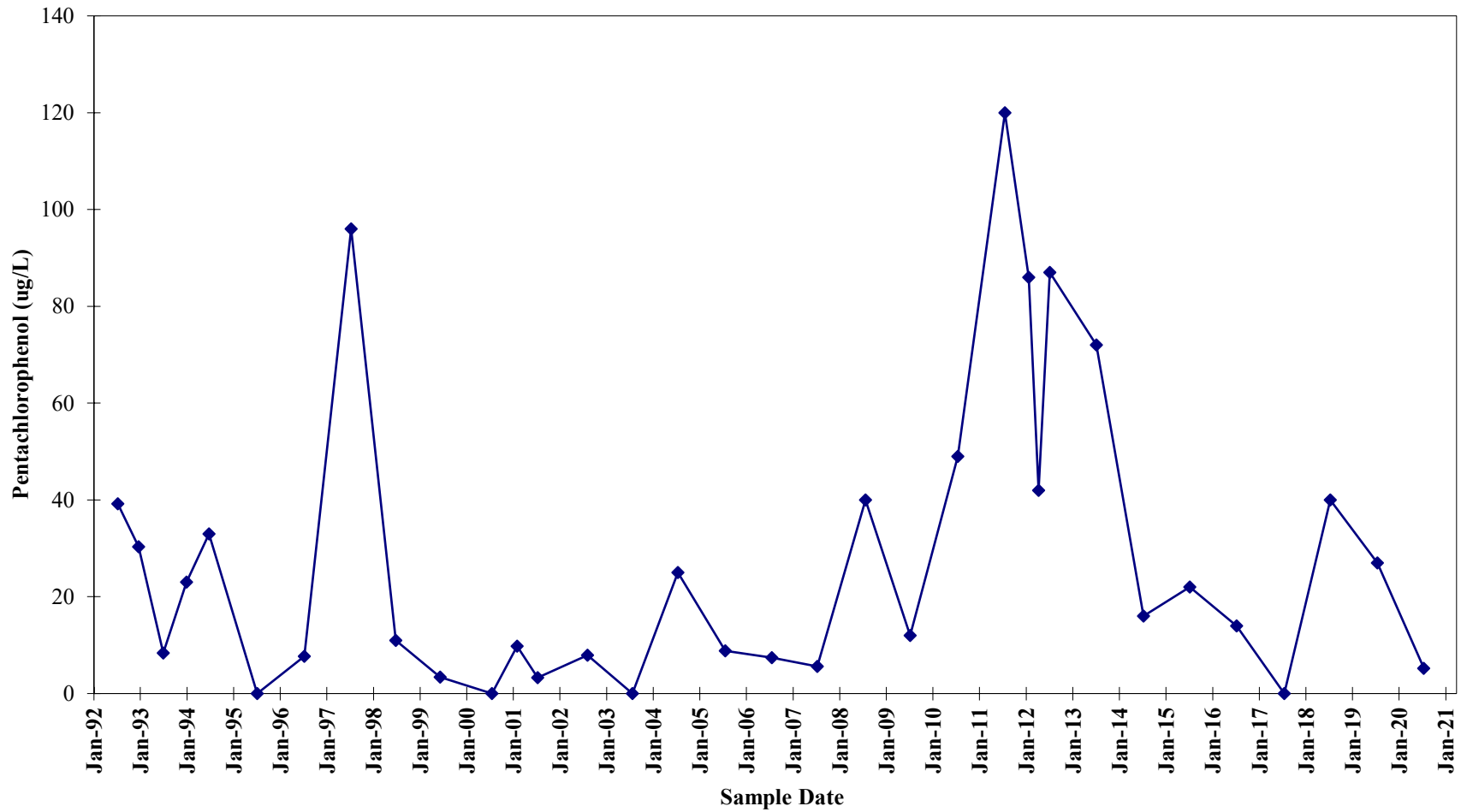
**Pentachlorophenol Concentrations
Historical Groundwater Monitoring
Well W09**



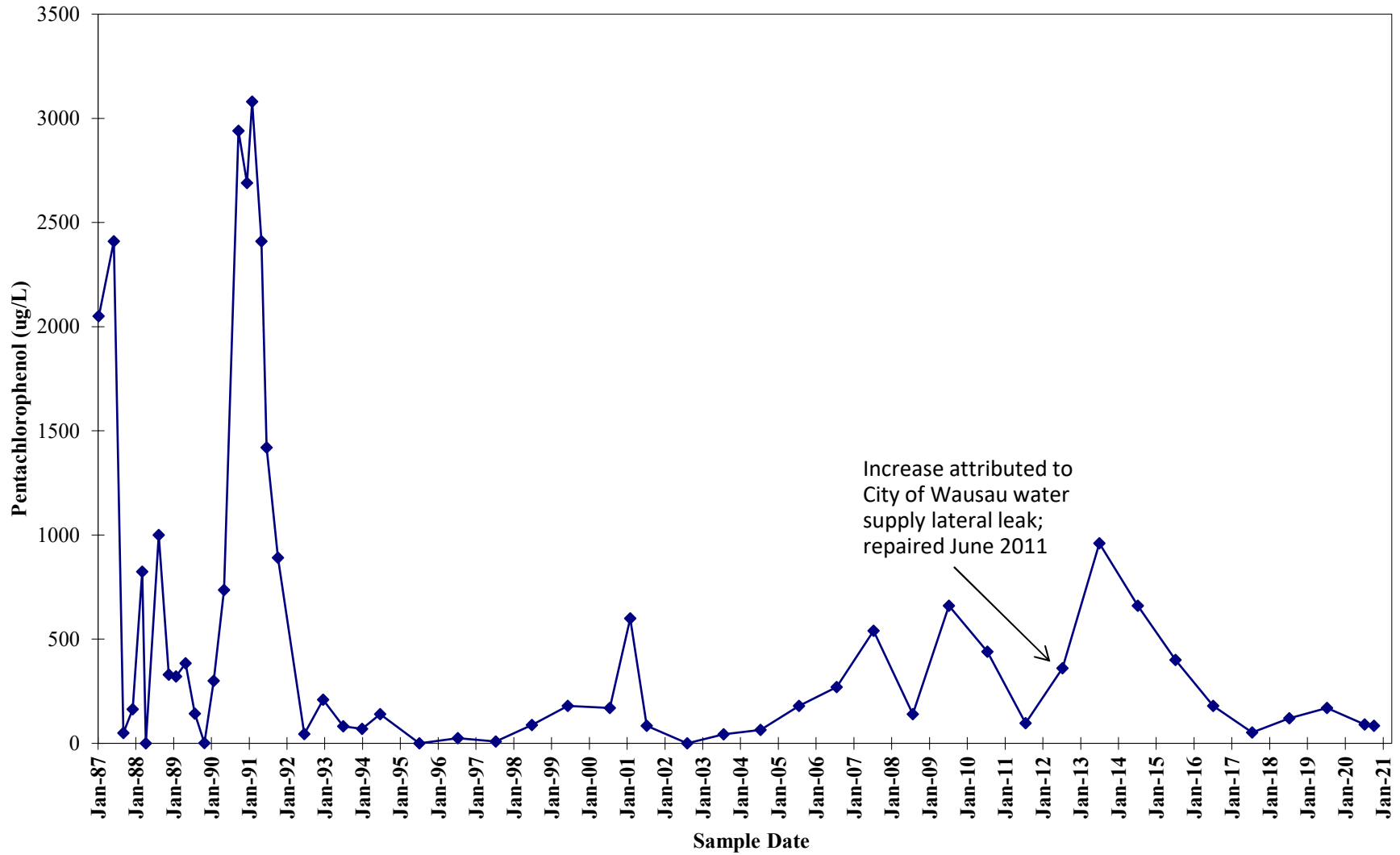
Pentachlorophenol Concentrations Historical Groundwater Monitoring Well W10A



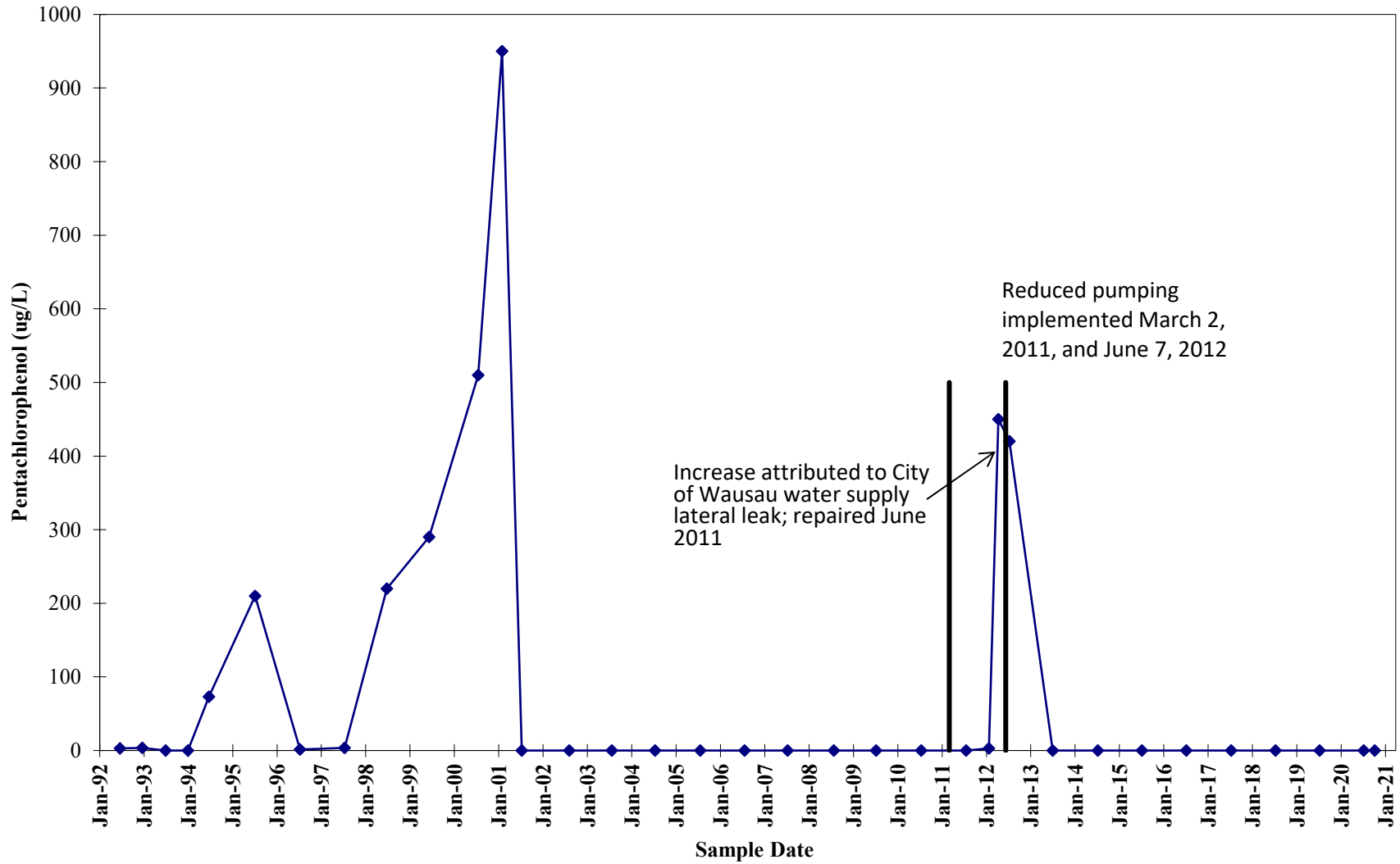
**Pentachlorophenol Concentrations
Historical Groundwater Monitoring
Well W10B**



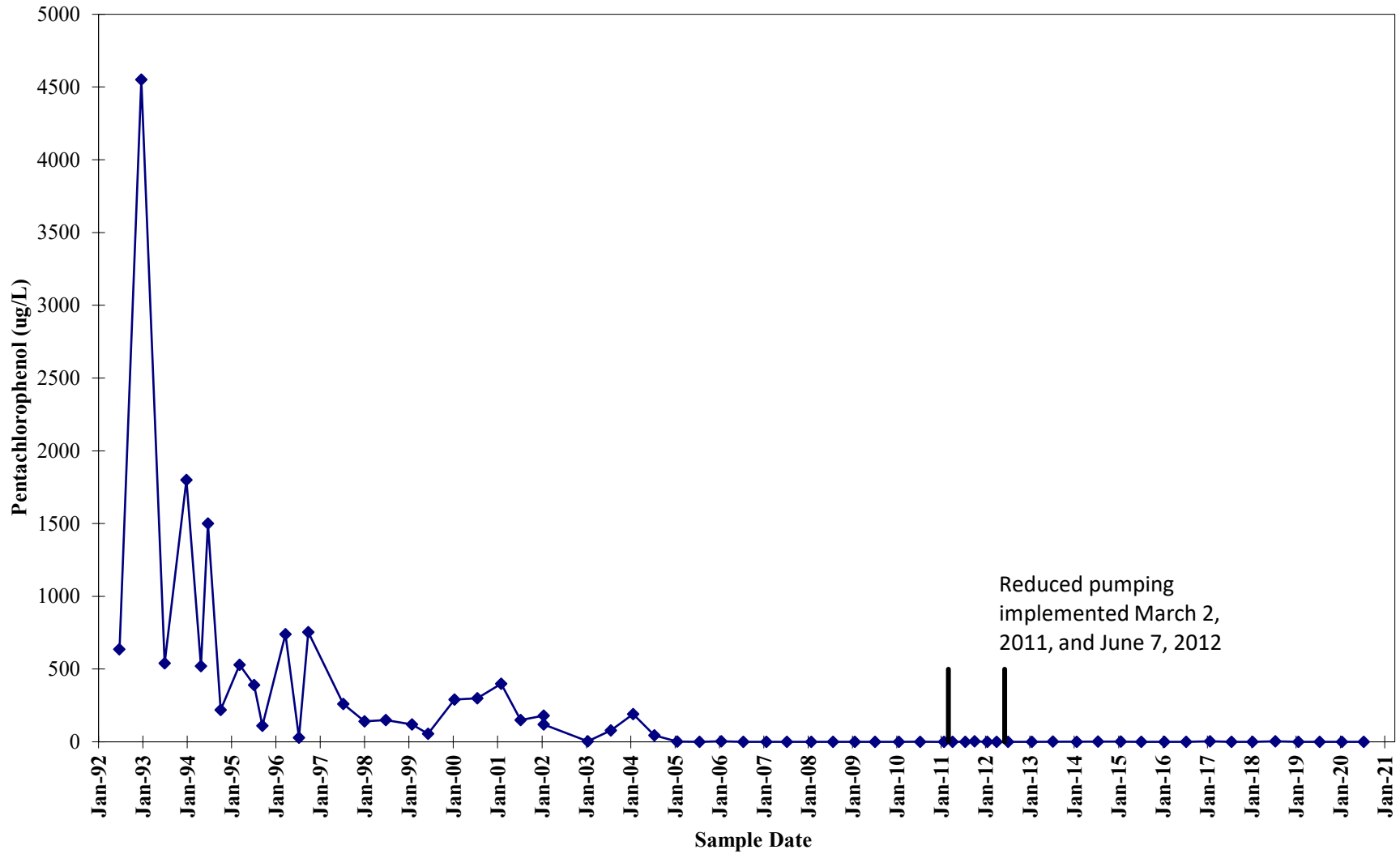
Pentachlorophenol Concentrations Historical Groundwater Monitoring Well W11



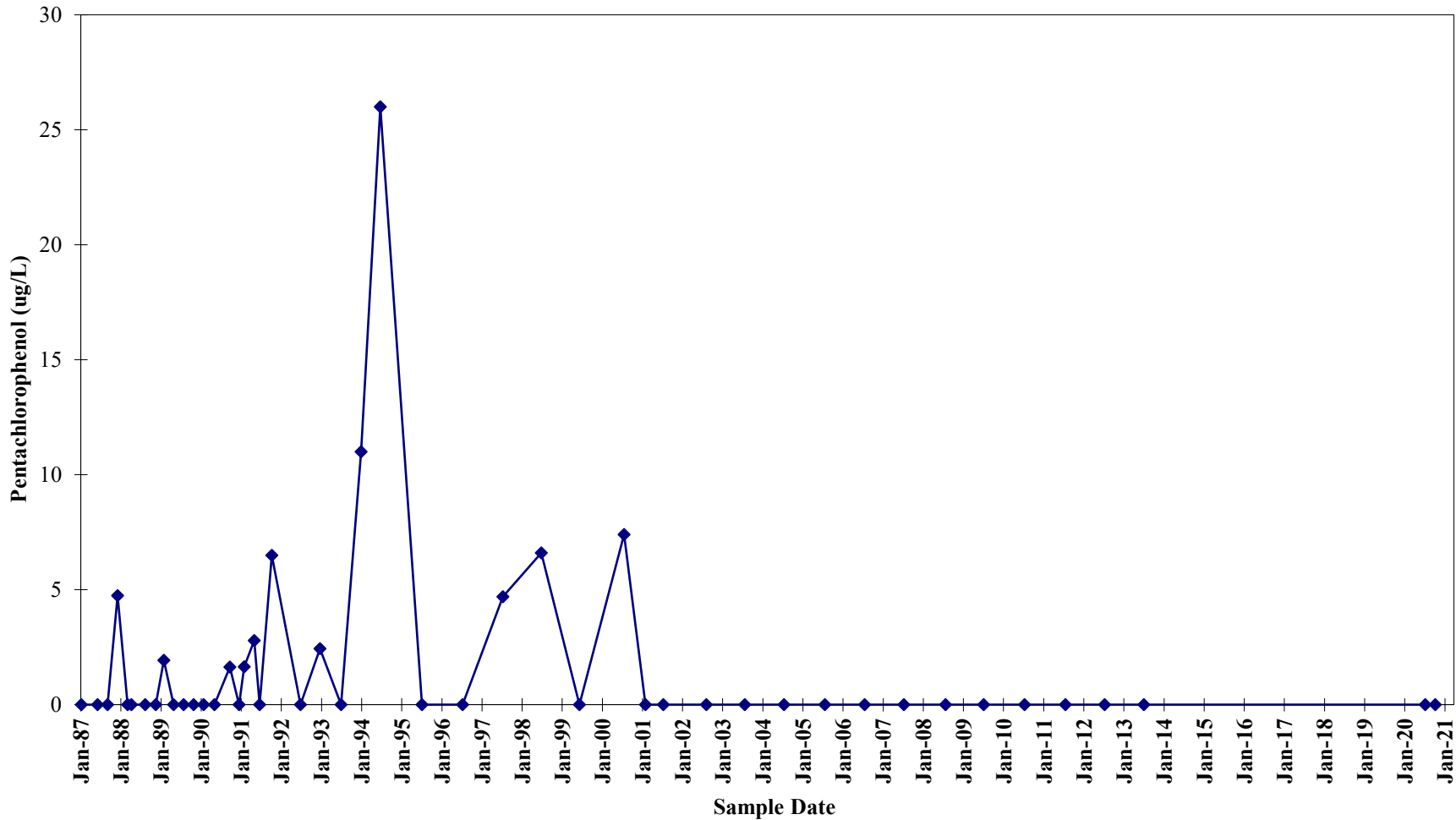
Pentachlorophenol Concentrations Historical Groundwater Monitoring Well W12



**Pentachlorophenol Concentrations
Historical Groundwater Monitoring
Well W13**

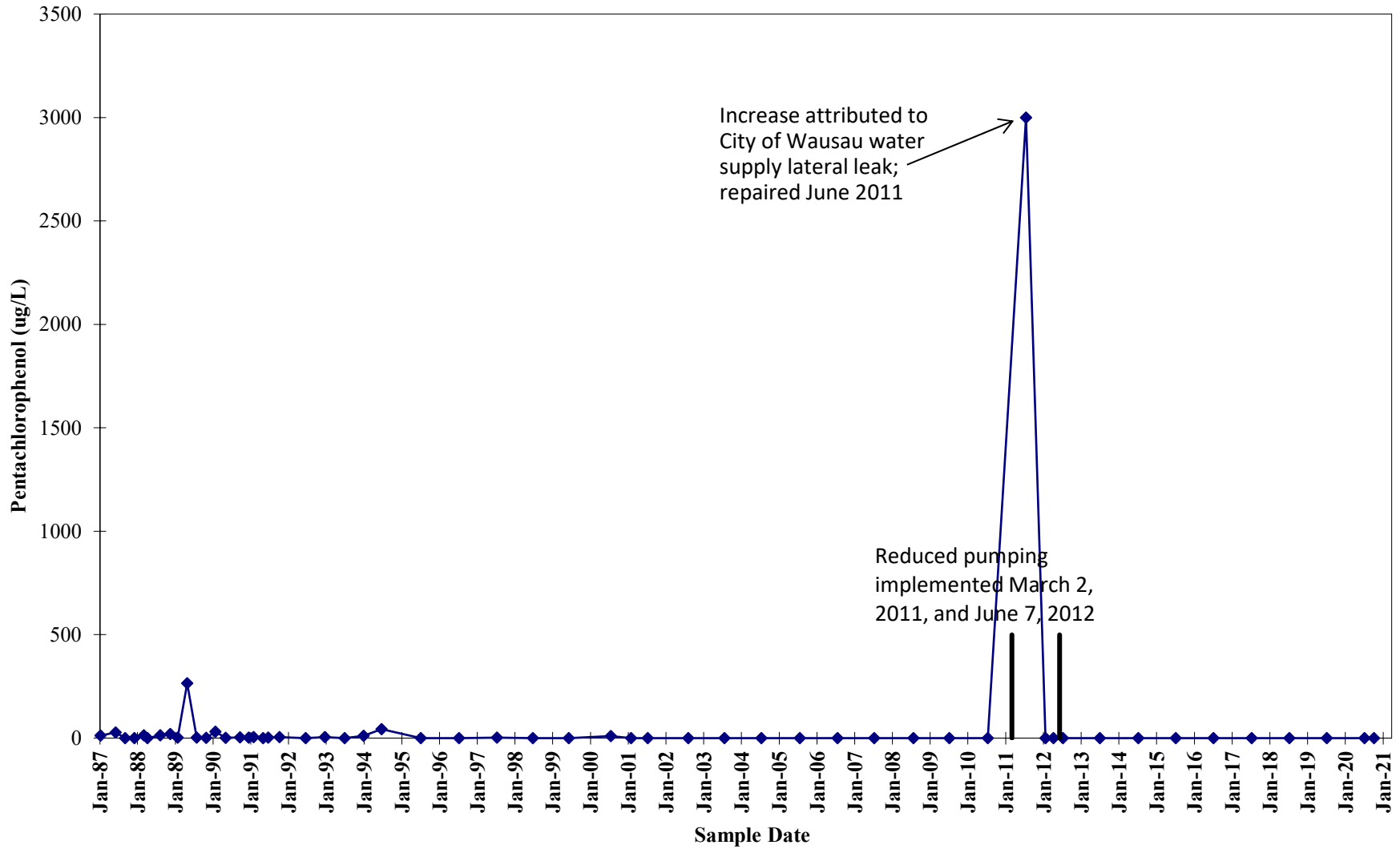


Pentachlorophenol Concentrations Historical Groundwater Monitoring Well W14

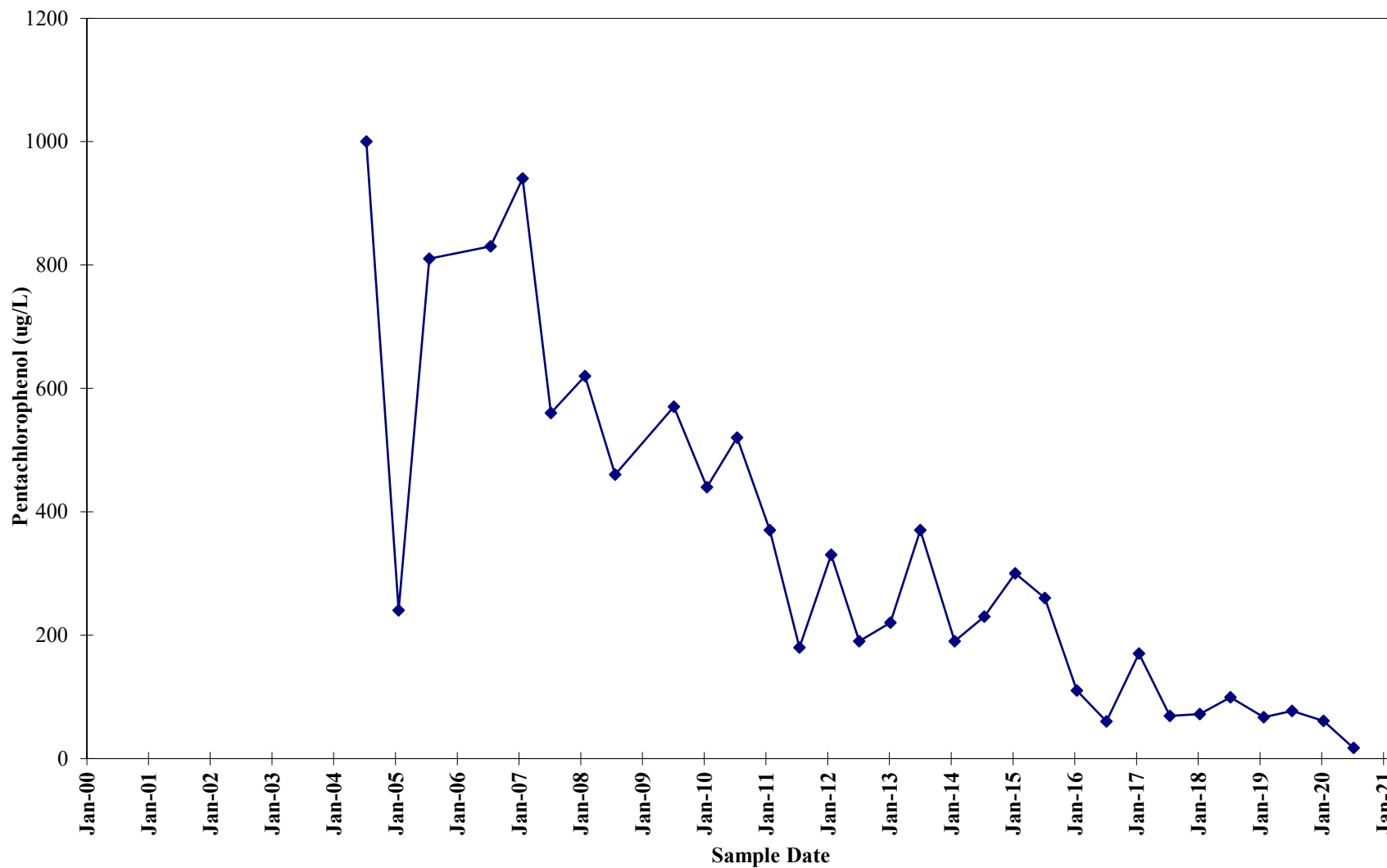


Well W14 discontinued from the monitoring program beginning in 2014.

Pentachlorophenol Concentrations Historical Groundwater Monitoring Well W16

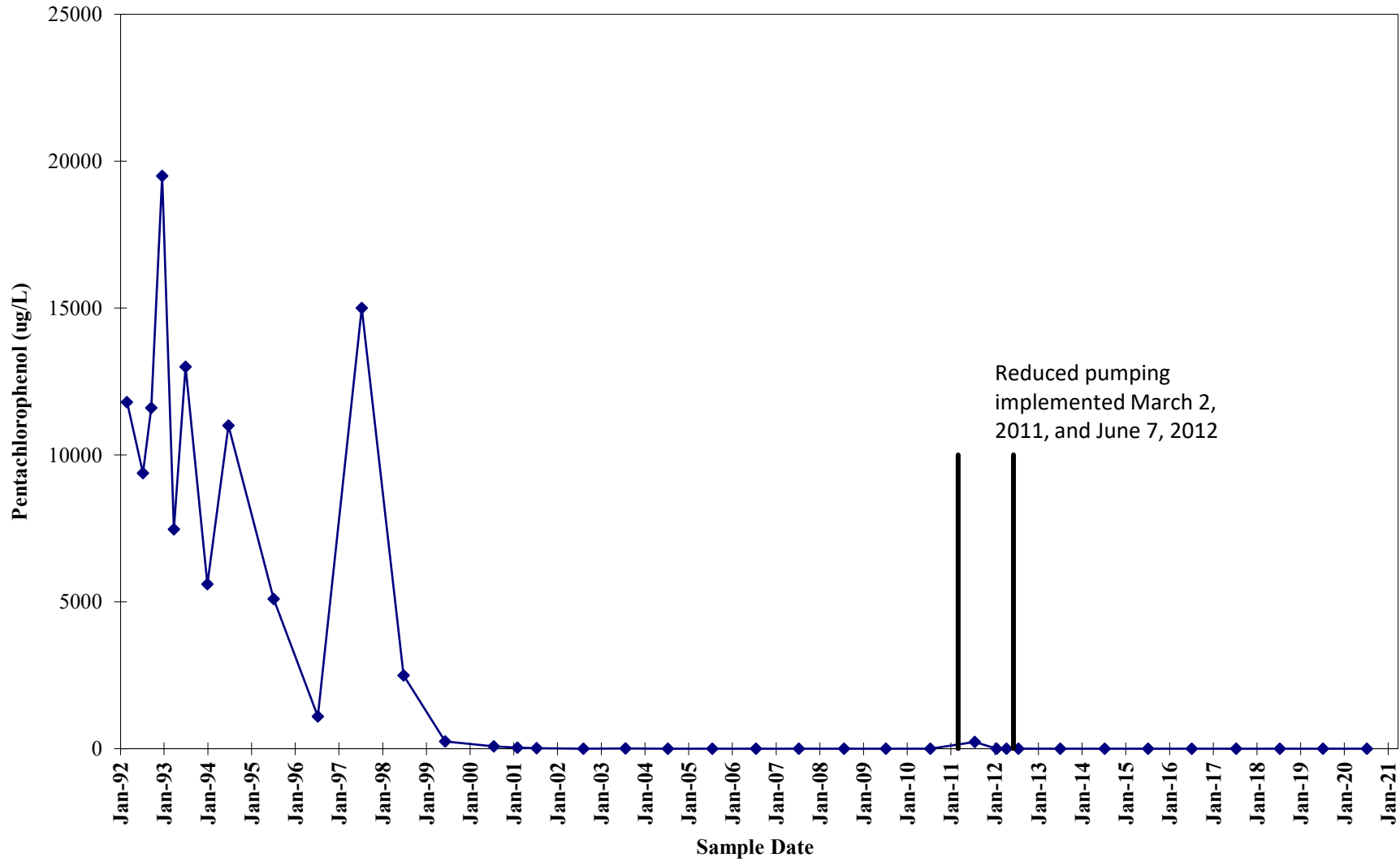


Pentachlorophenol Concentrations Historical Groundwater Monitoring Well W17

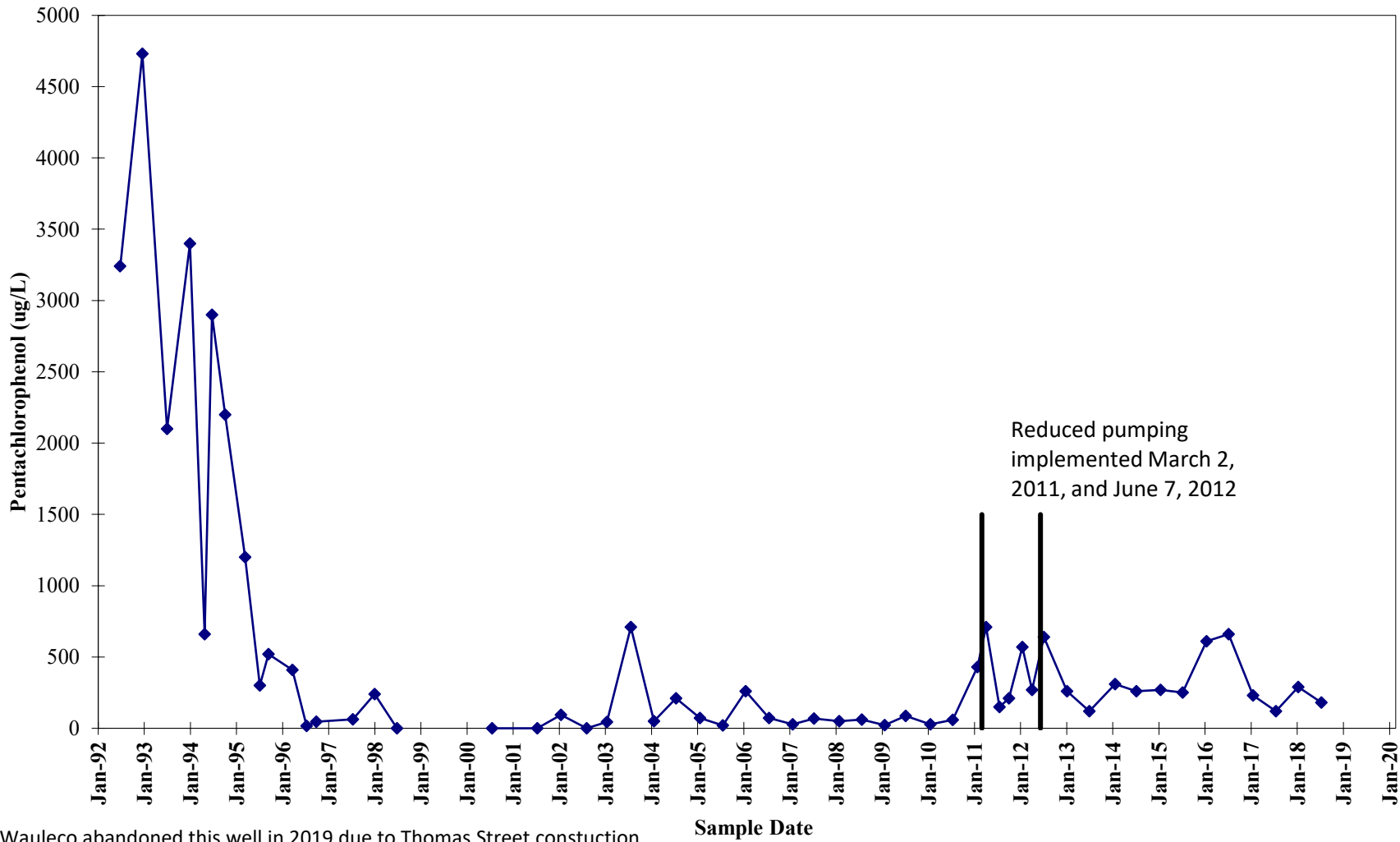


PCP data gap due to measurable product in well.

Pentachlorophenol Concentrations Historical Groundwater Monitoring Well W18

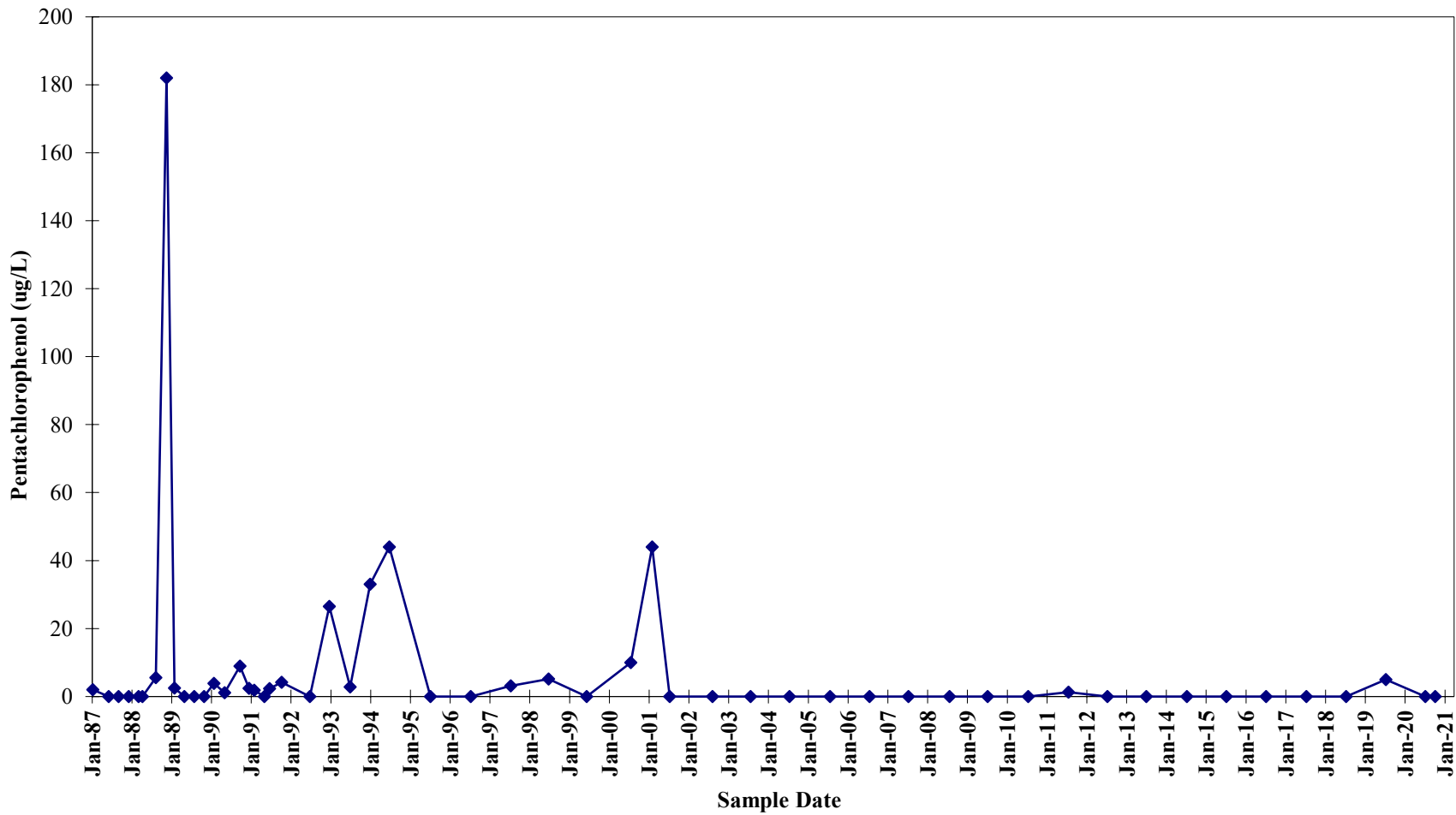


Pentachlorophenol Concentrations Historical Groundwater Monitoring Well W19

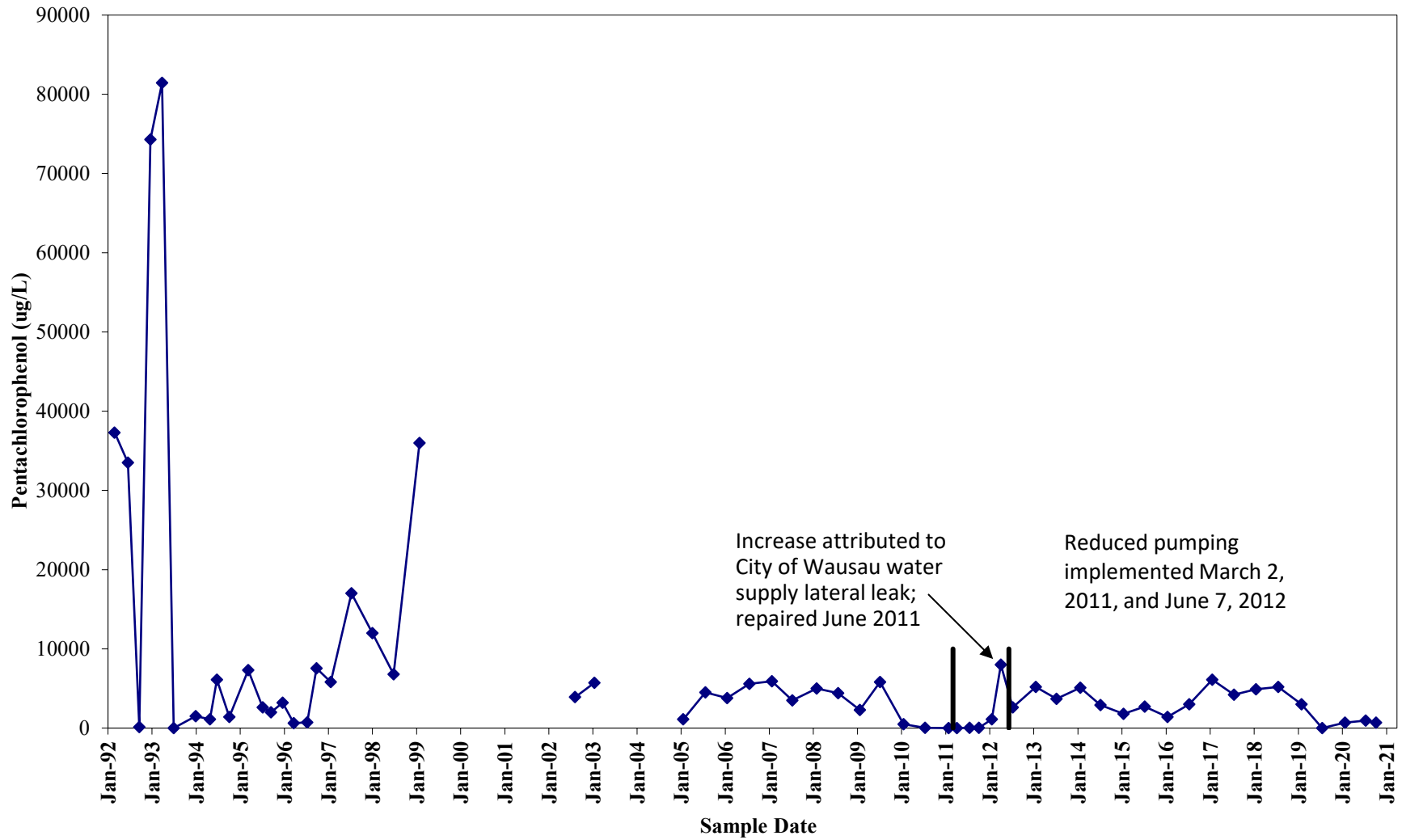


Wauleco abandoned this well in 2019 due to Thomas Street construction.

**Pentachlorophenol Concentrations
Historical Groundwater Monitoring
Well W21**

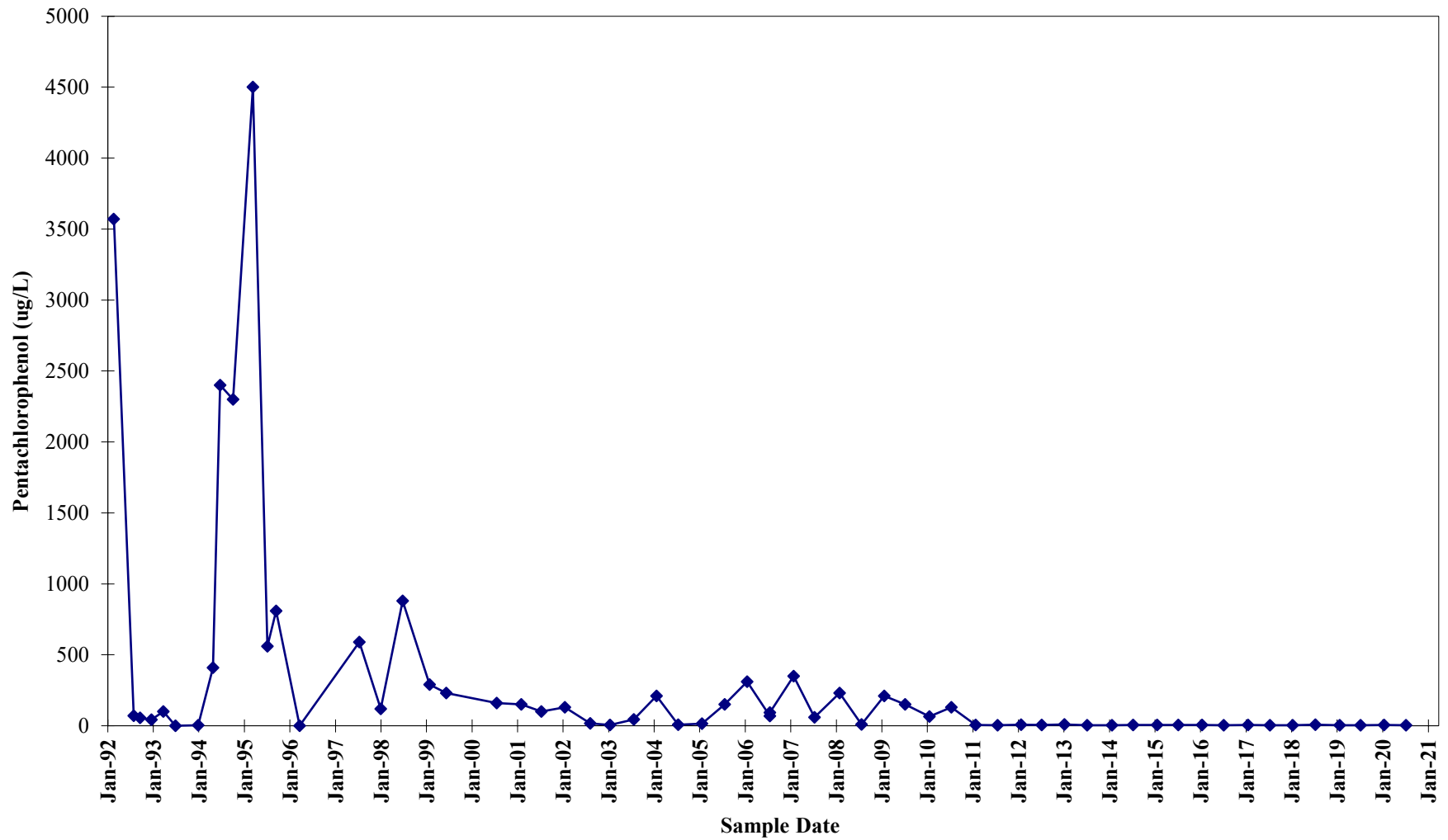


Pentachlorophenol Concentrations Historical Groundwater Monitoring Well W22

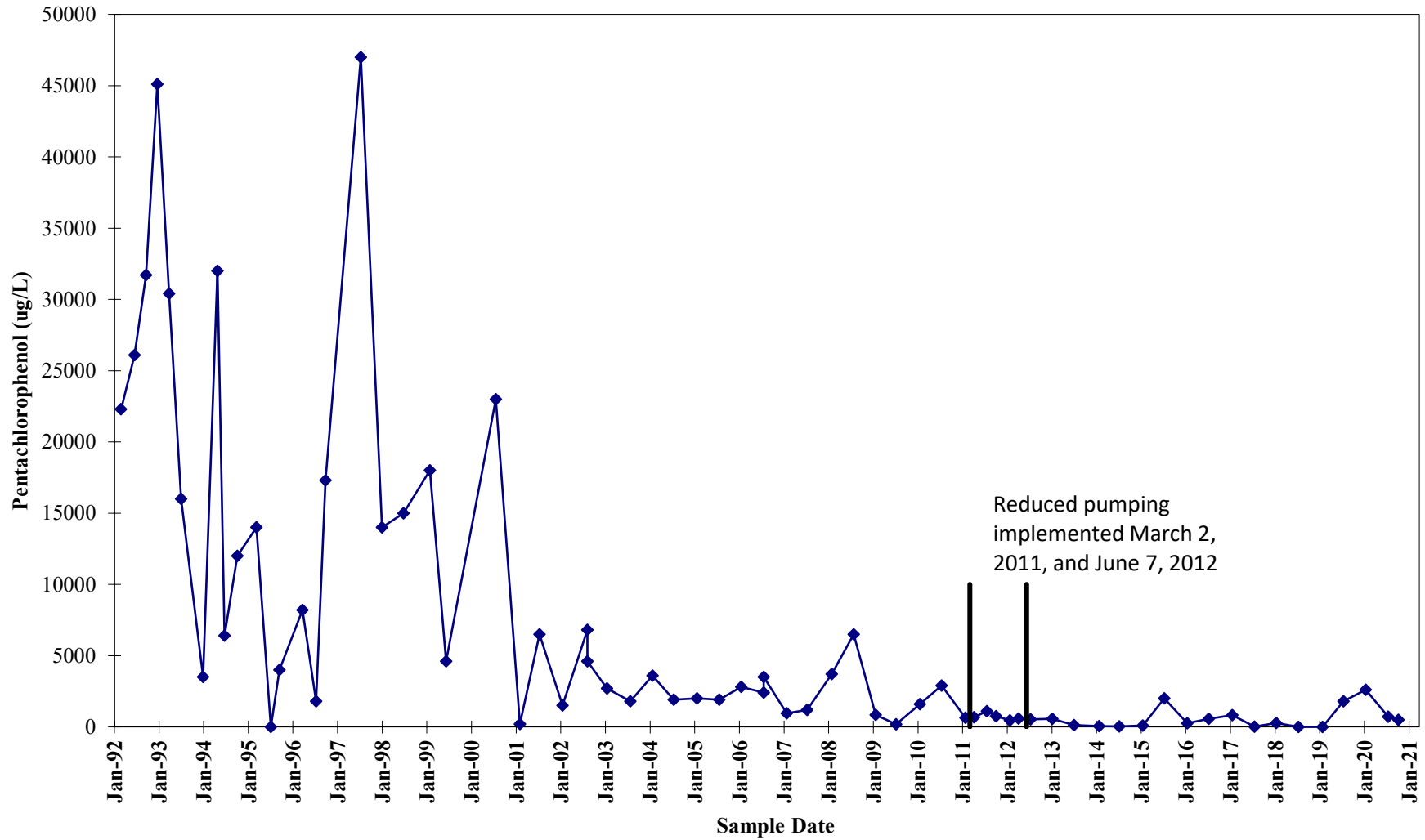


PCP data gap due to measurable product present in well.

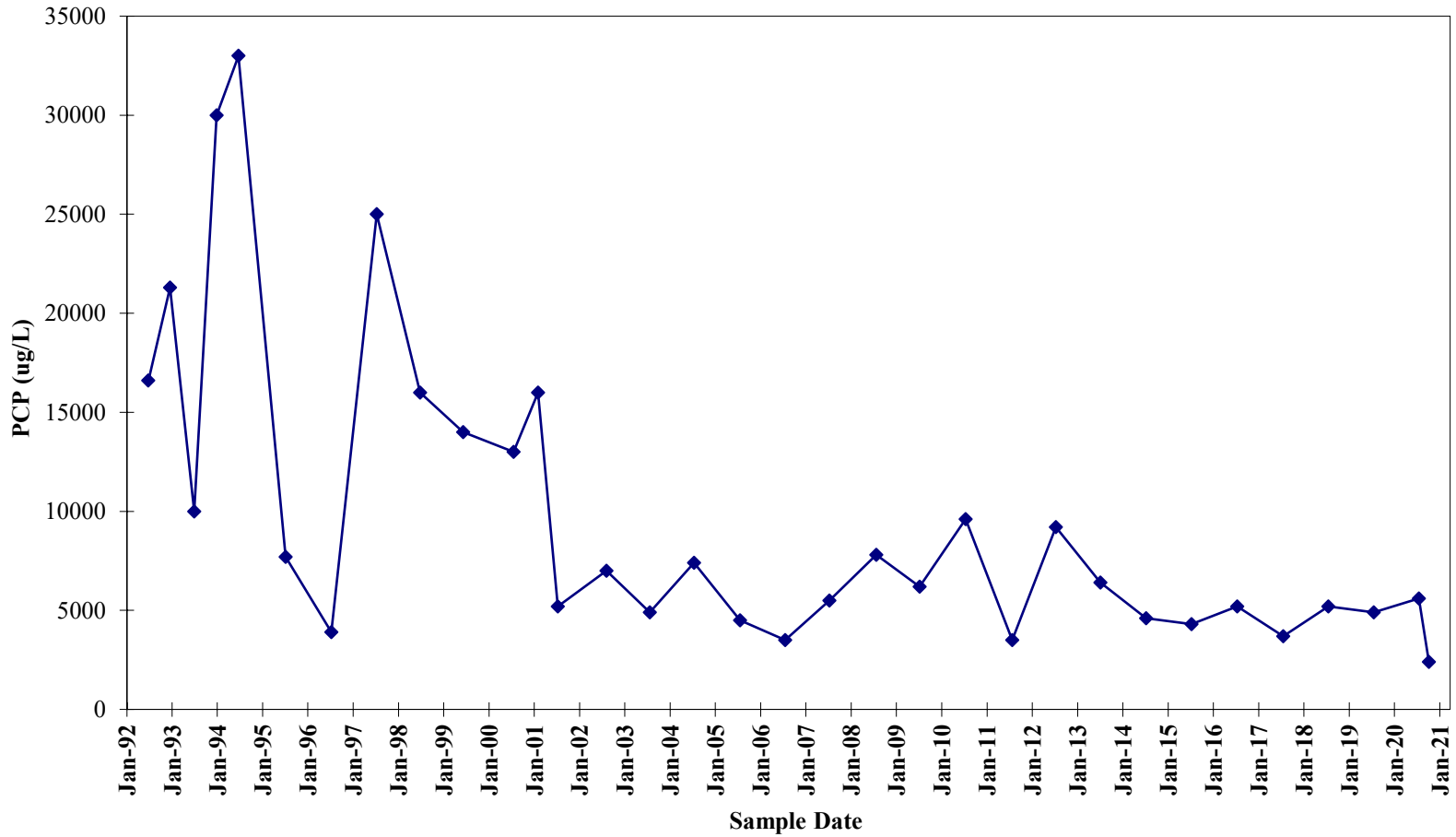
Pentachlorophenol Concentrations Historical Groundwater Monitoring Well W25



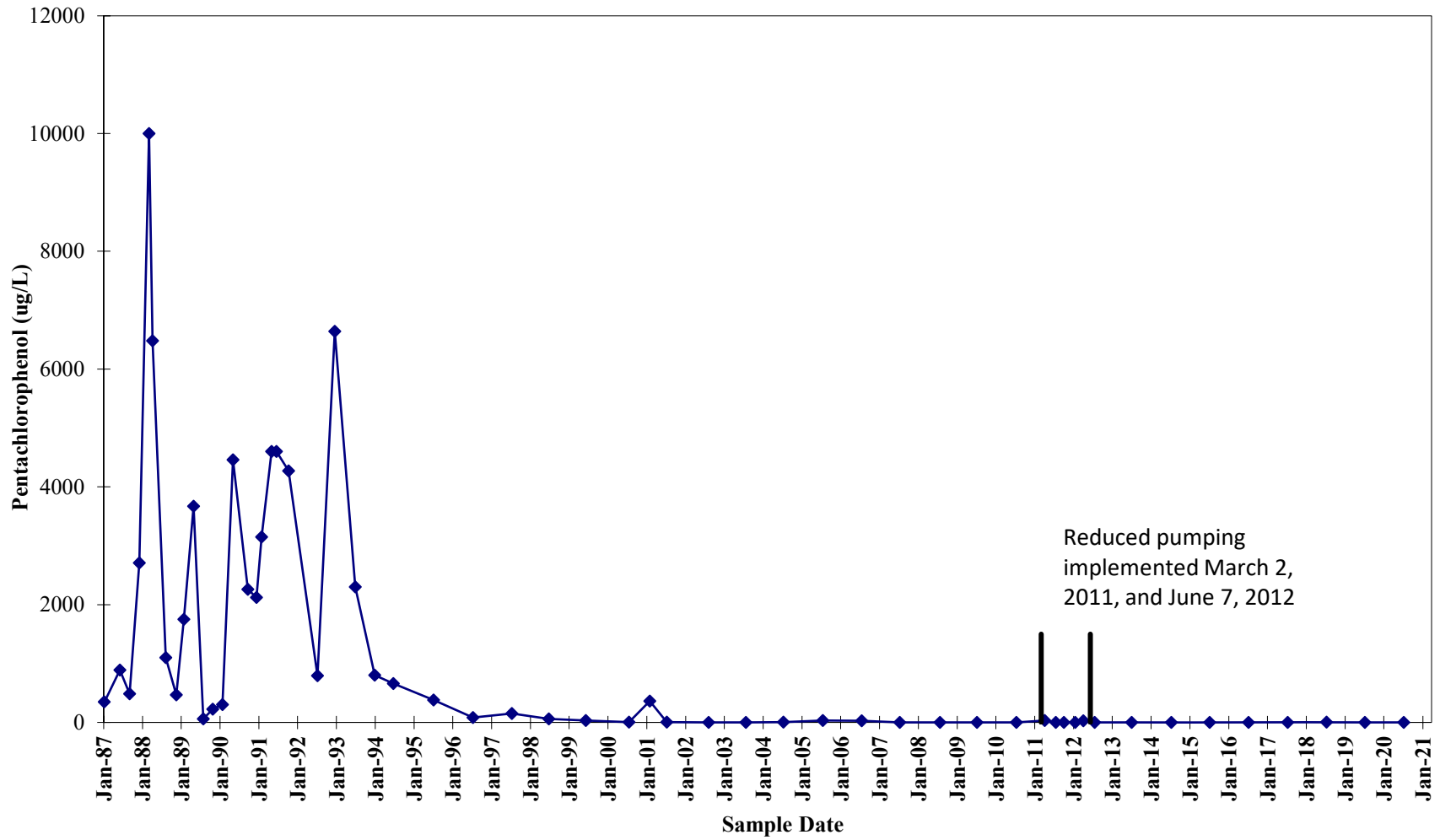
**Pentachlorophenol Concentrations
Historical Groundwater Monitoring
Well W26-W26R**



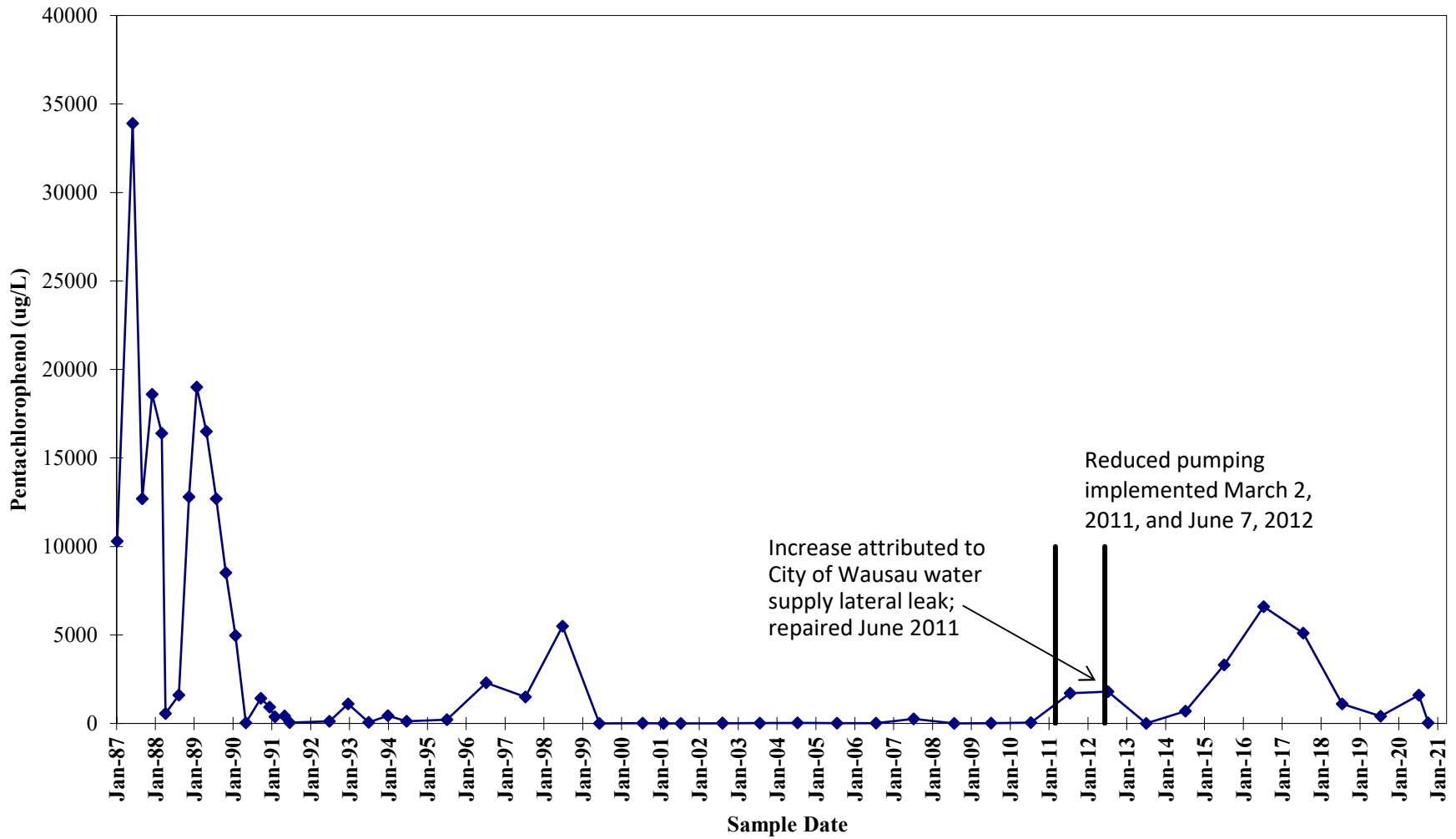
**Pentachlorophenol Concentrations
Historical Groundwater Monitoring
Well W27**



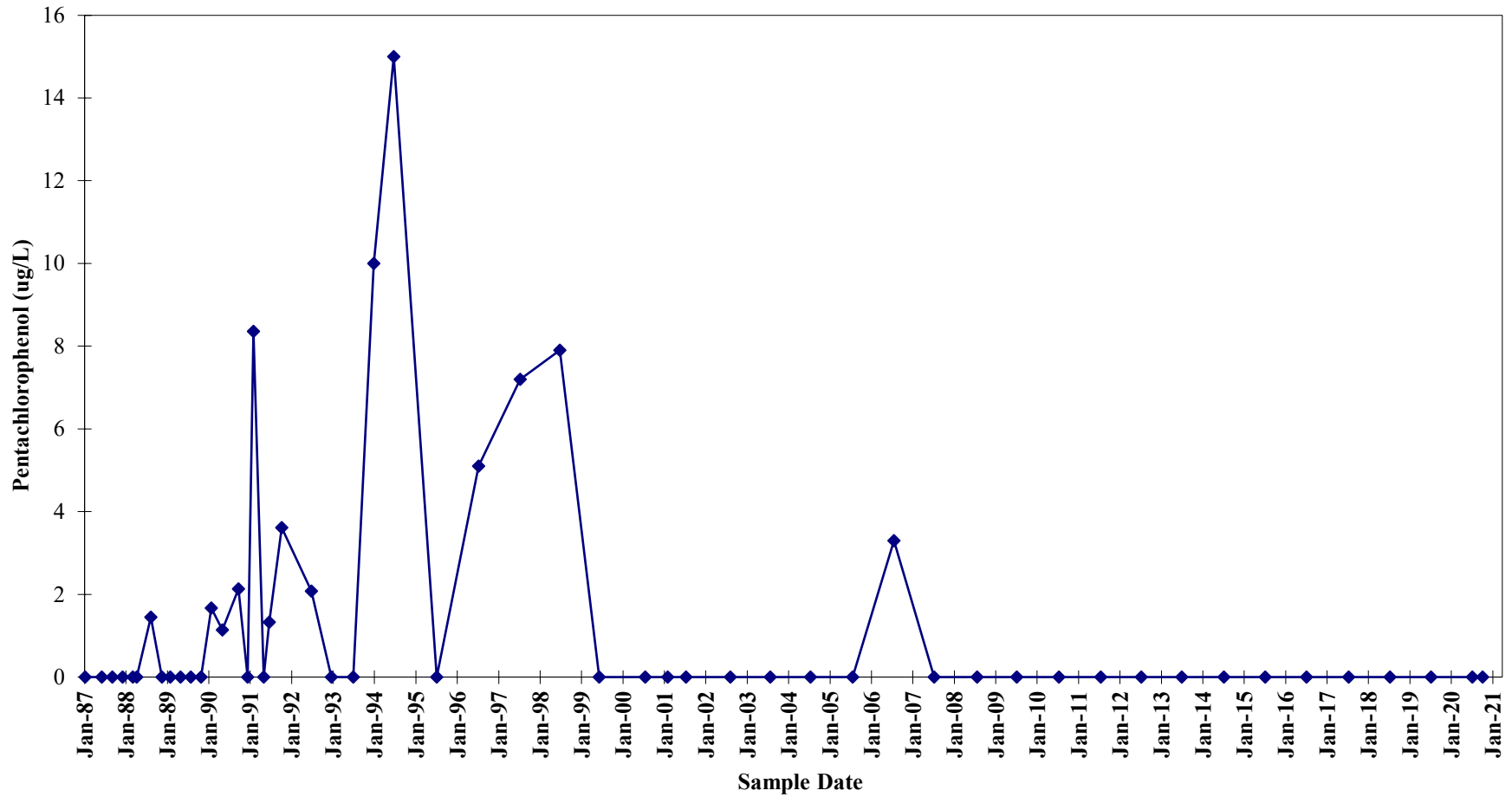
Pentachlorophenol Concentrations Historical Groundwater Monitoring Well W28



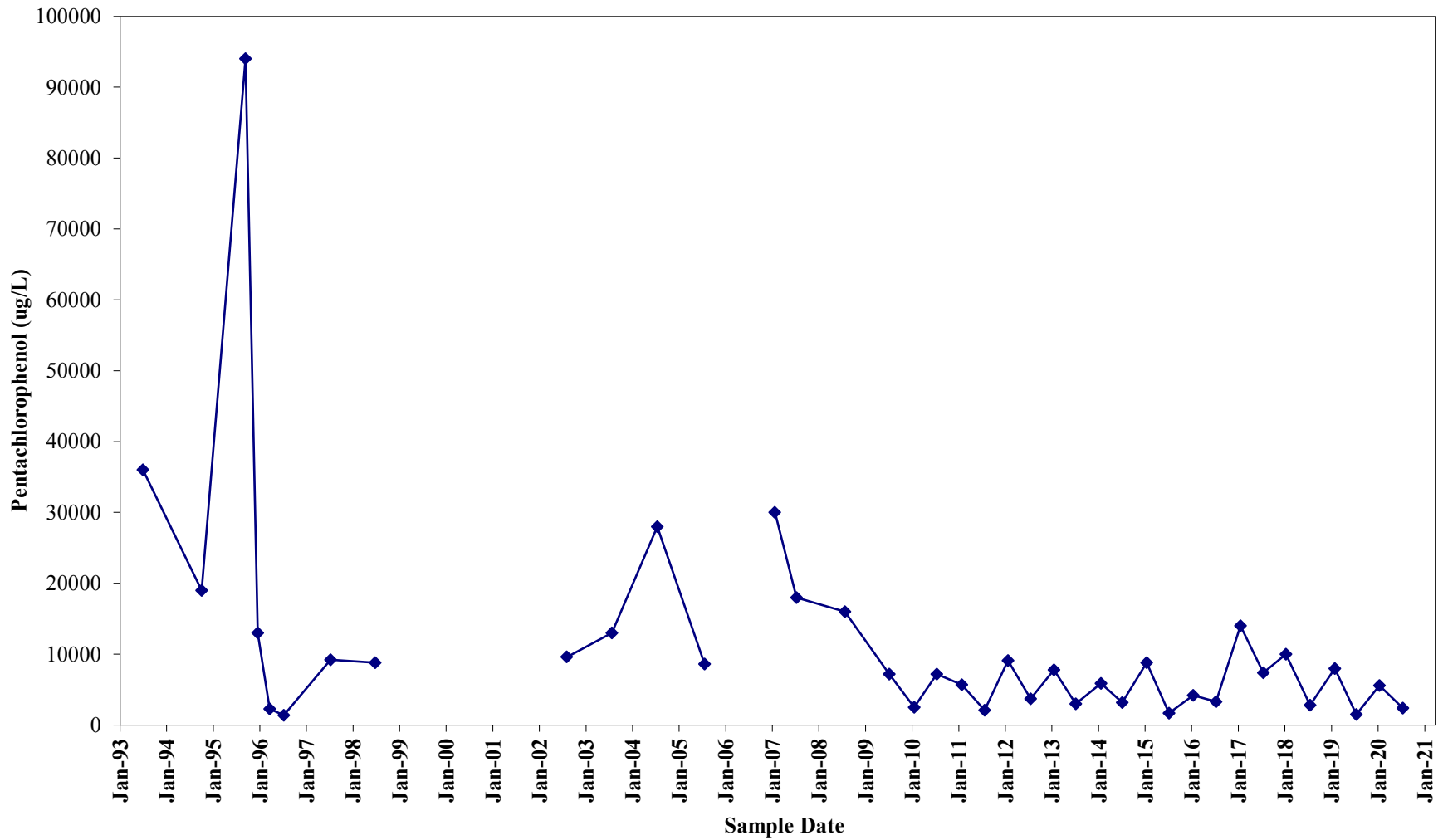
**Pentachlorophenol Concentrations
Historical Groundwater Monitoring
Well W29-W29R**



**Pentachlorophenol Concentrations
Historical Groundwater Monitoring
Well W32**

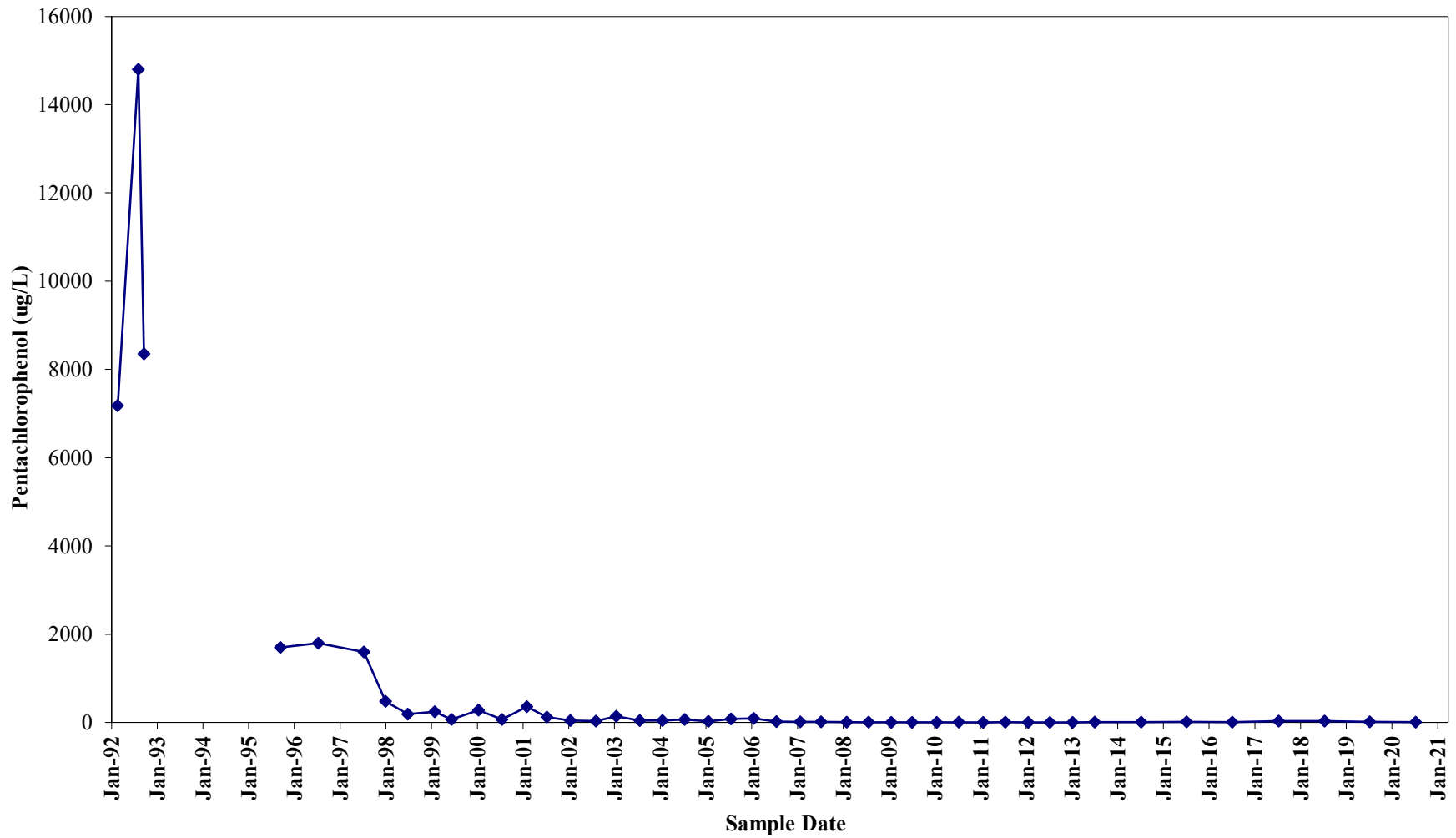


**Pentachlorophenol Concentrations
Historical Groundwater Monitoring
Well W33**



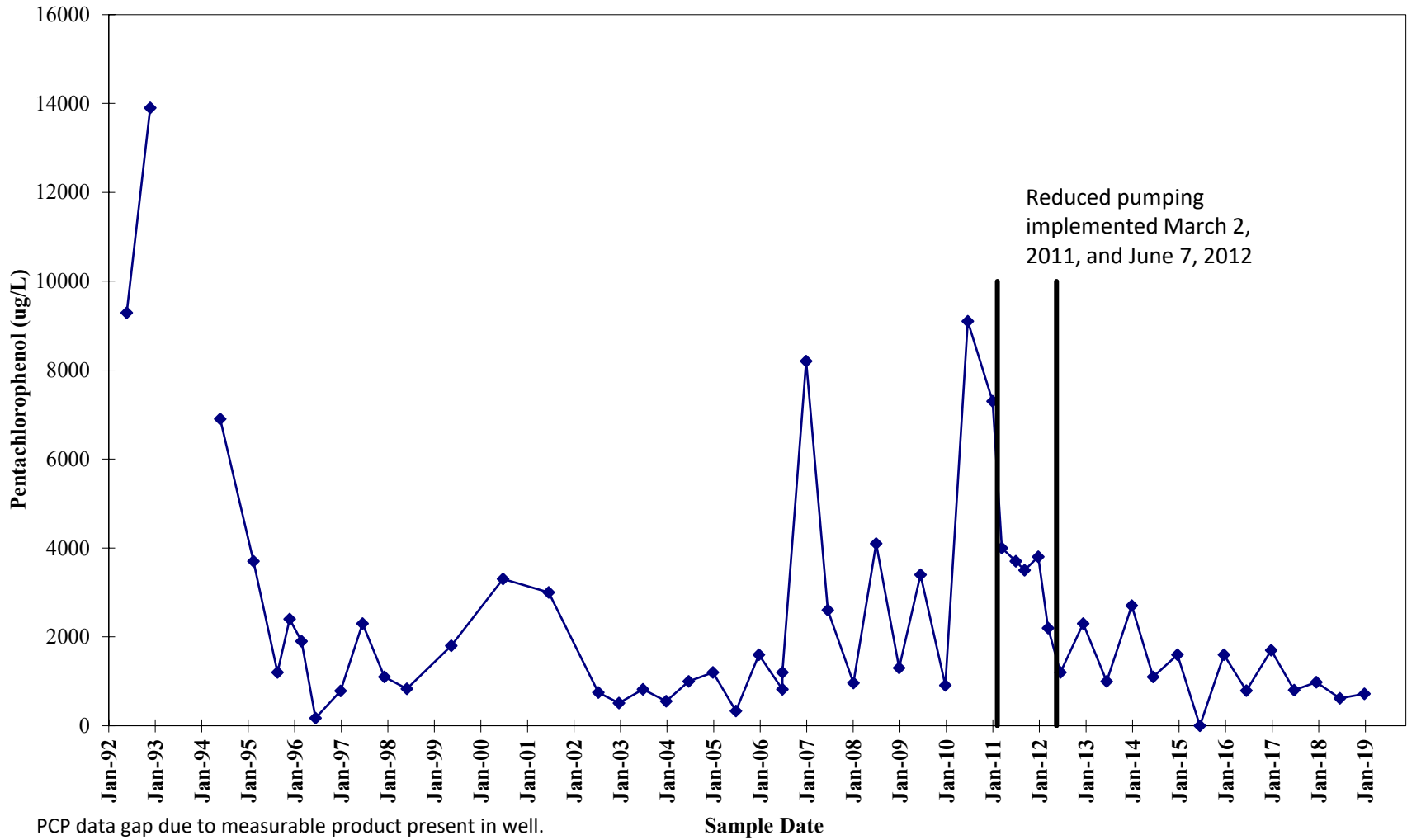
PCP data gap due to measurable product present in well.

Pentachlorophenol Concentrations Historical Groundwater Monitoring Well W36

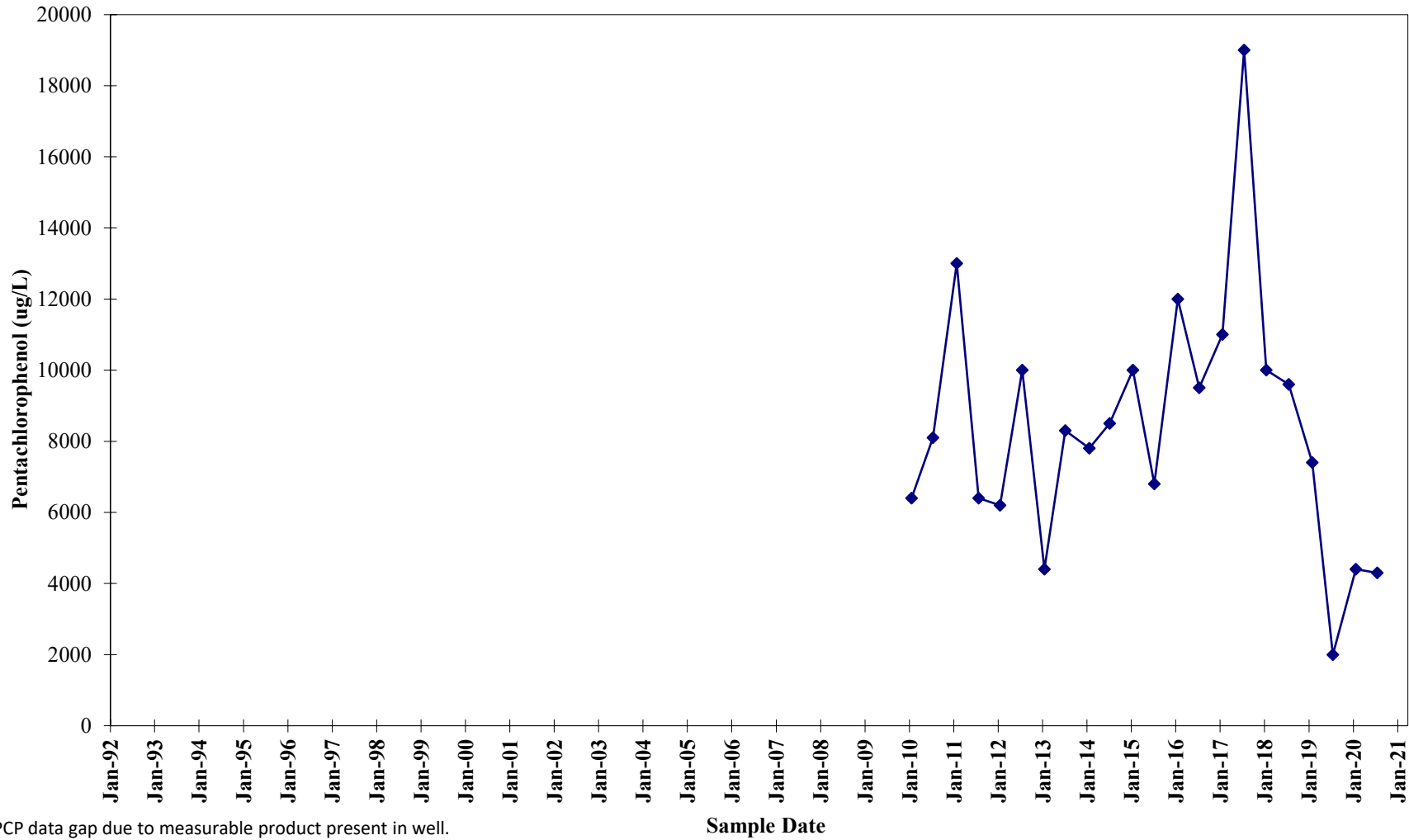


PCP data gap due to measurable product present in well.

Pentachlorophenol Concentrations Historical Groundwater Monitoring Well W39



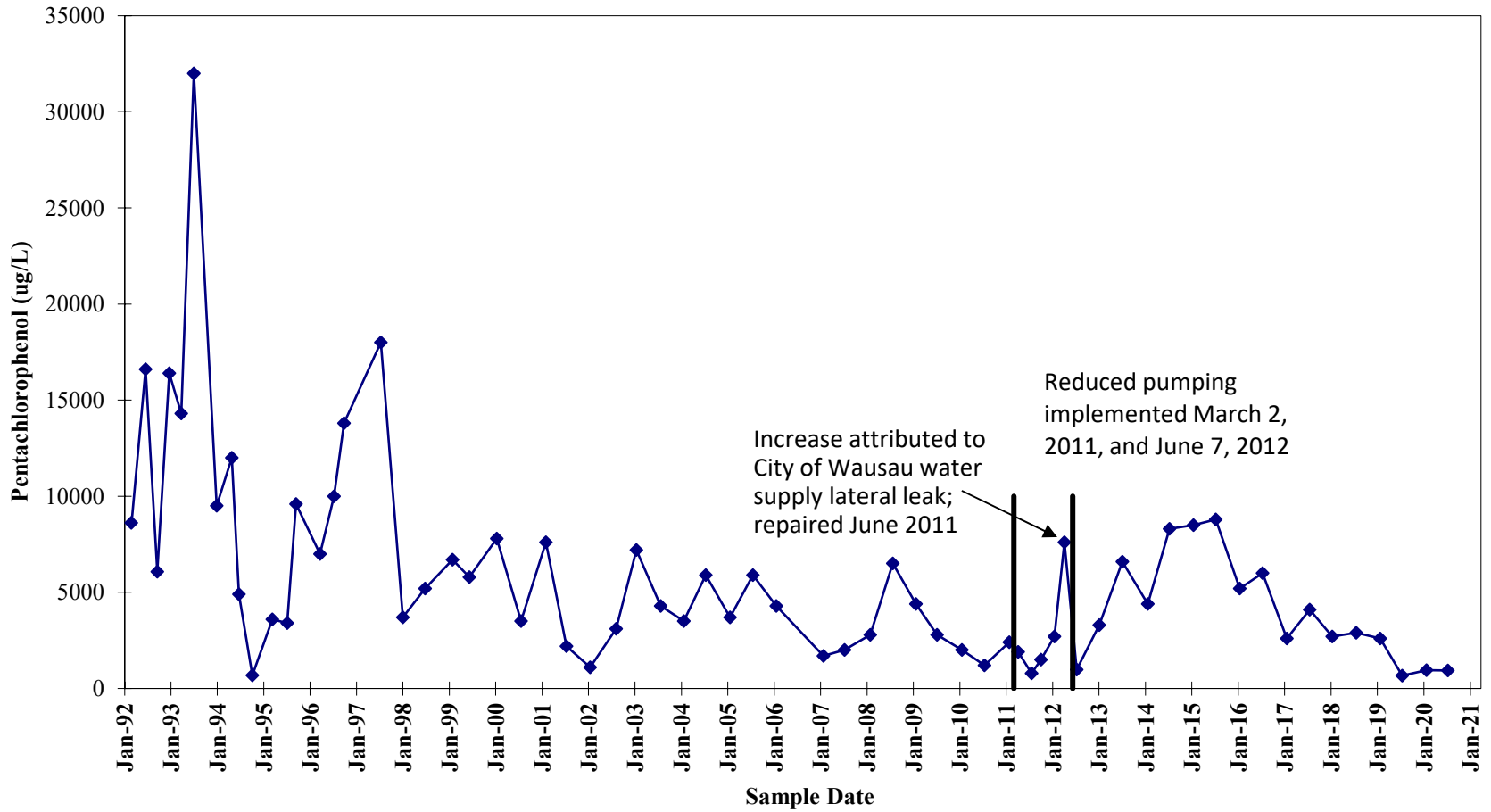
**Pentachlorophenol Concentrations
Historical Groundwater Monitoring
Well W40-W40R**



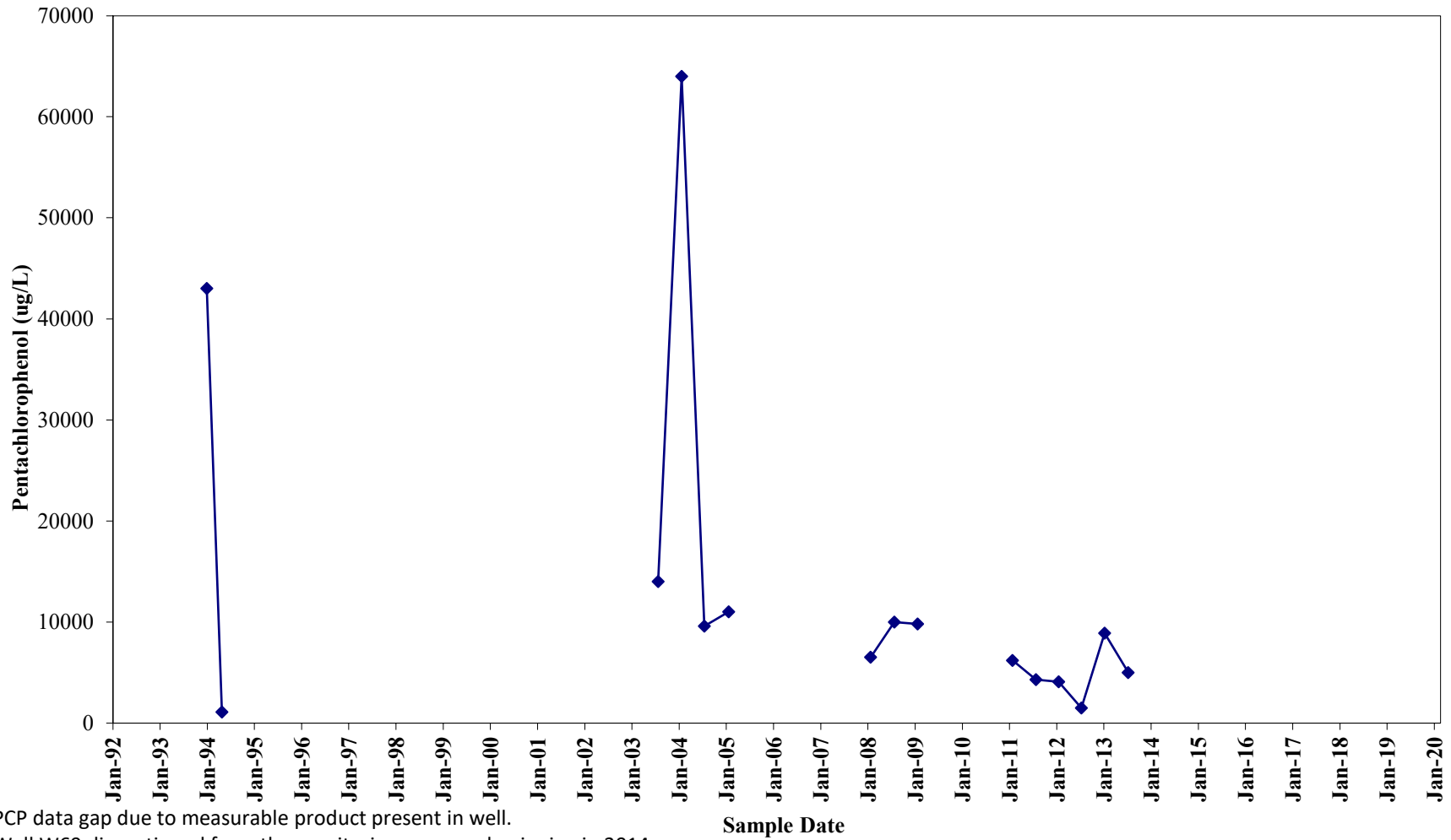
PCP data gap due to measurable product present in well.

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

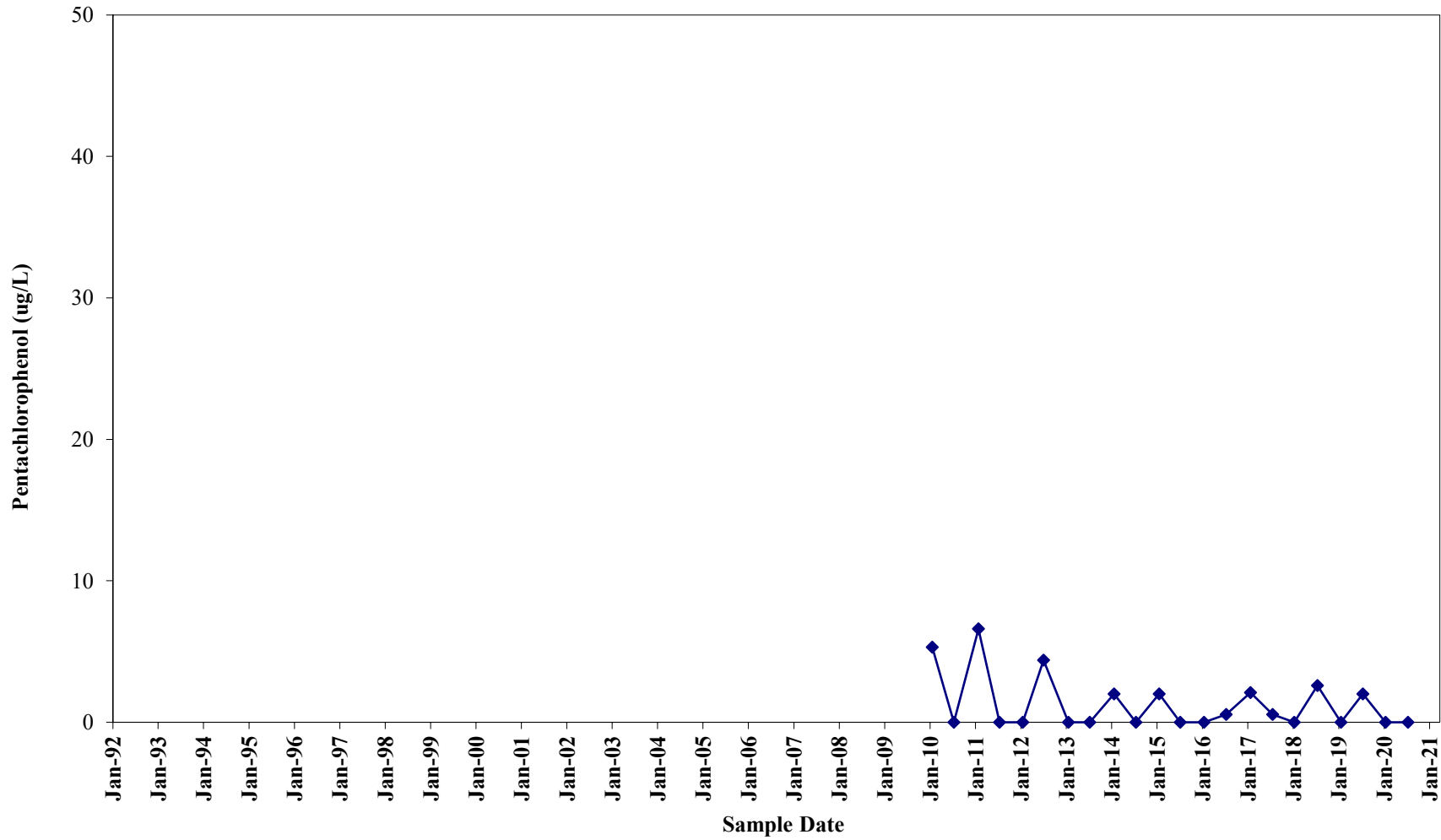
Pentachlorophenol Concentrations Historical Groundwater Monitoring Well W41



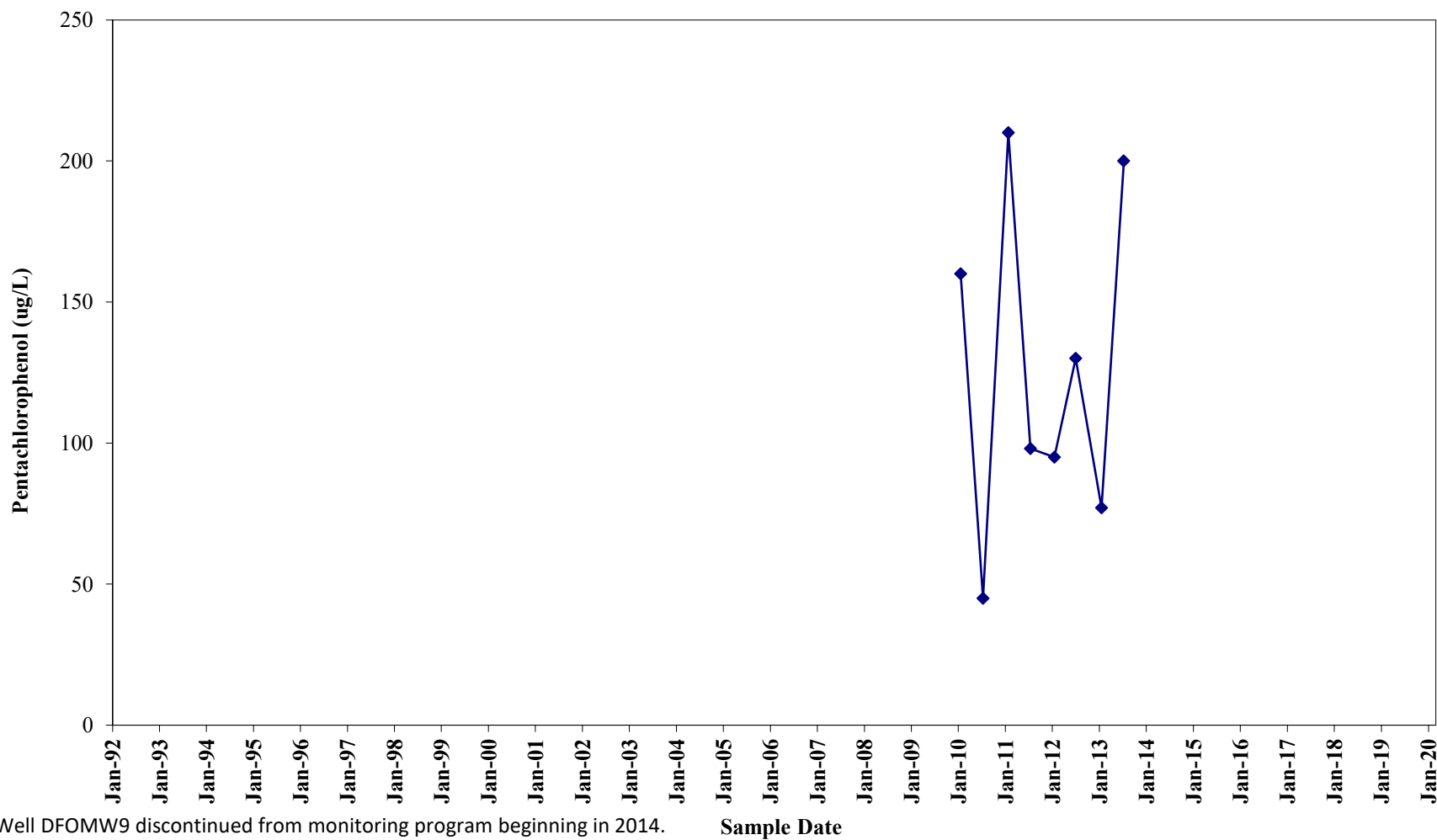
Pentachlorophenol Concentrations Historical Groundwater Monitoring Well W69



**Pentachlorophenol Concentrations
Historical Groundwater Monitoring
Well DFOMW5**

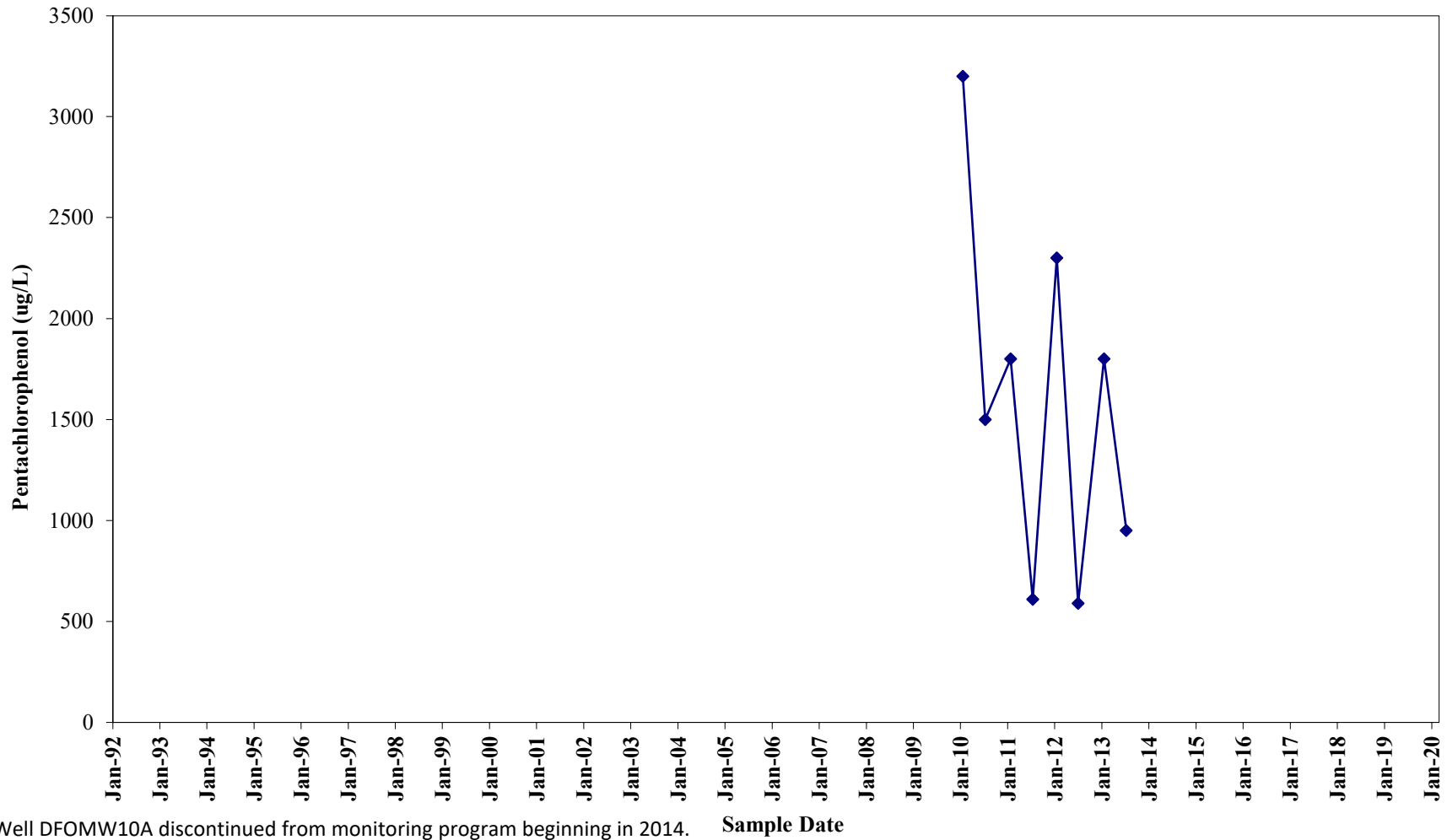


**Pentachlorophenol Concentrations
Historical Groundwater Monitoring
Well DFOMW9**



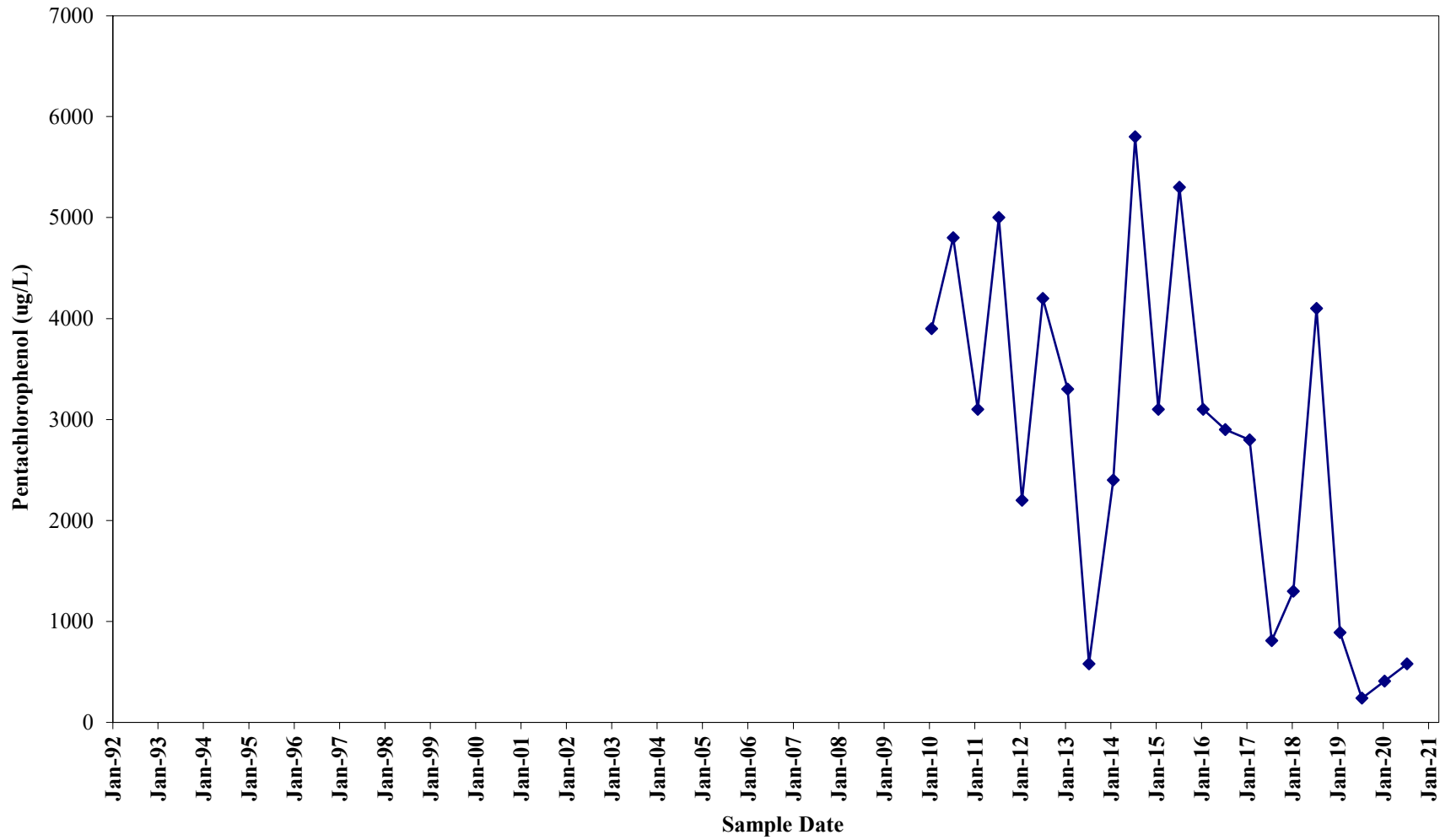
Well DFOMW9 discontinued from monitoring program beginning in 2014.
3M abandoned this well in 2015.

**Pentachlorophenol Concentrations
Historical Groundwater Monitoring
Well DFOMW10A**

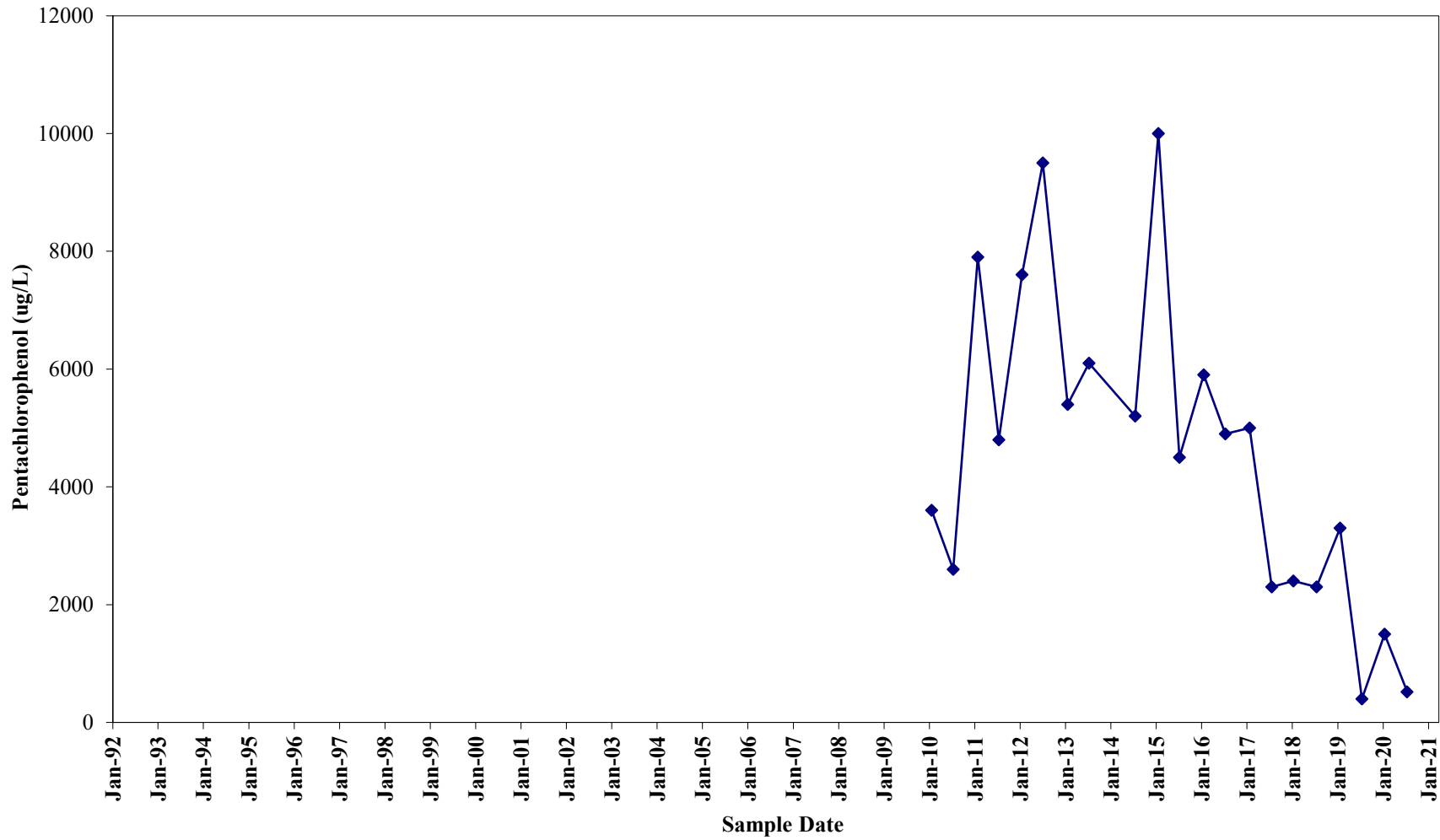


Well DFOMW10A discontinued from monitoring program beginning in 2014.
3M abandoned this well in 2015.

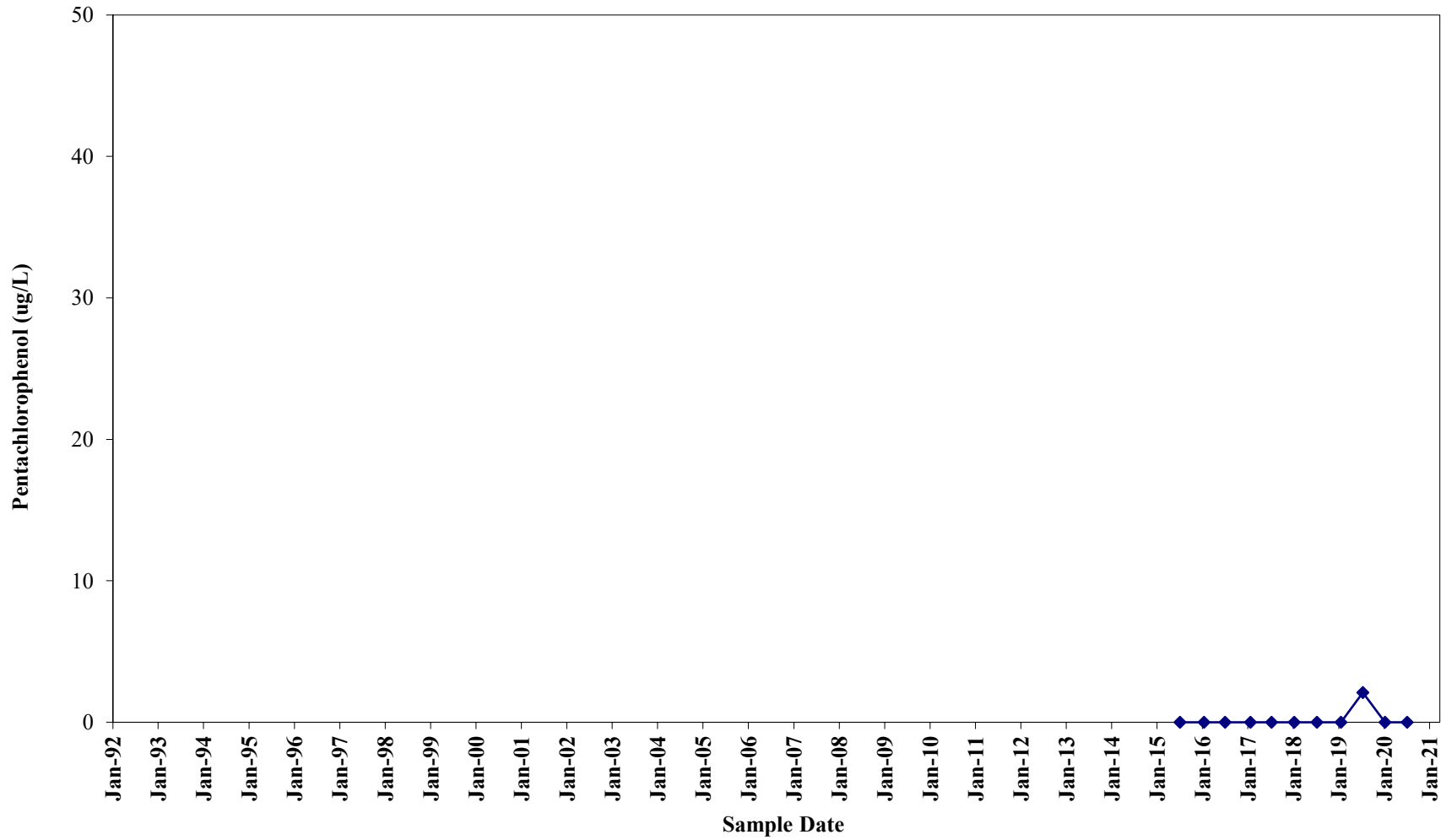
**Pentachlorophenol Concentrations
Historical Groundwater Monitoring
Well DFOMW11**



**Pentachlorophenol Concentrations
Historical Groundwater Monitoring
Well DFOMW12**

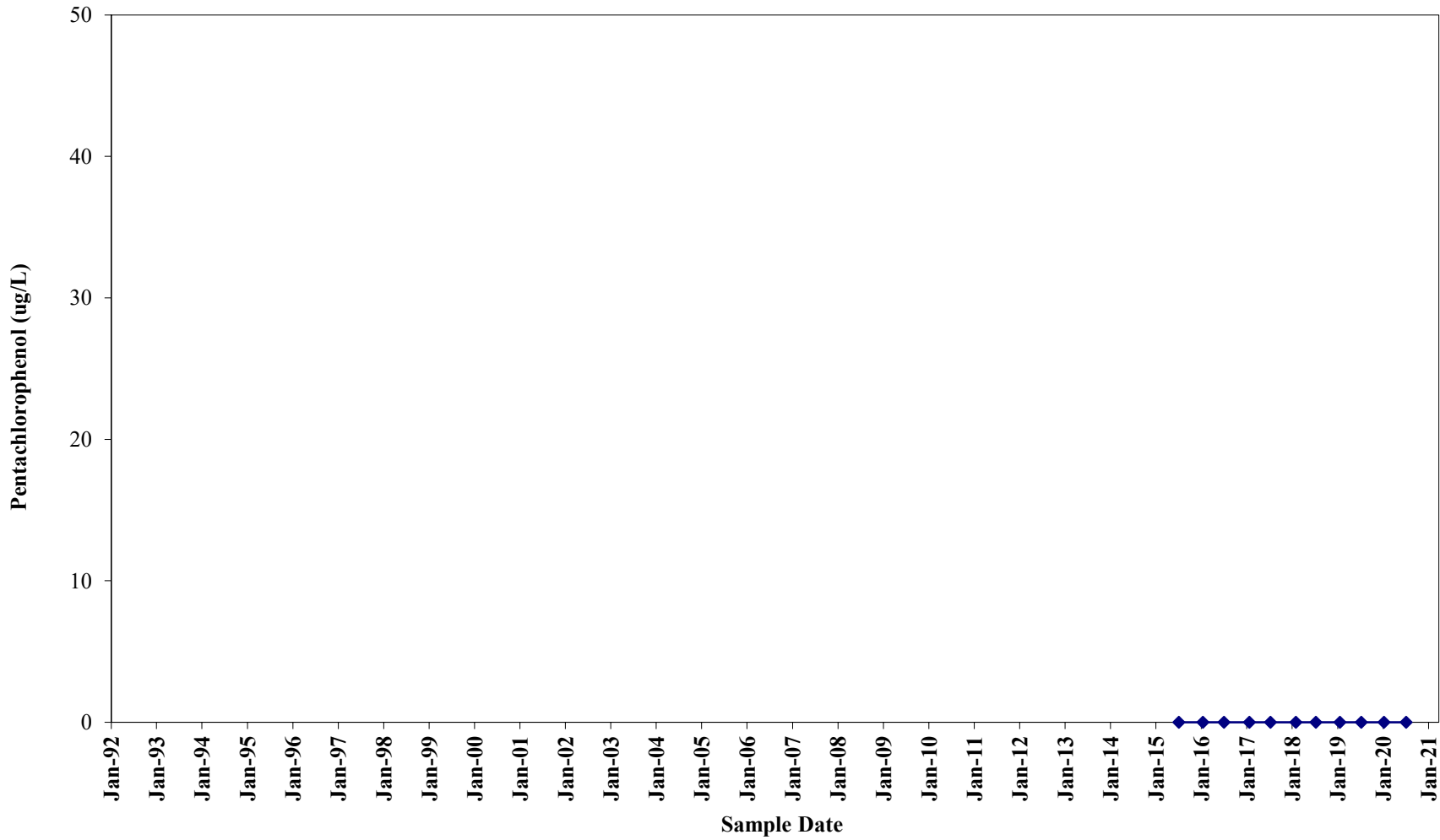


**Pentachlorophenol Concentrations
Historical Groundwater Monitoring
Well W71**



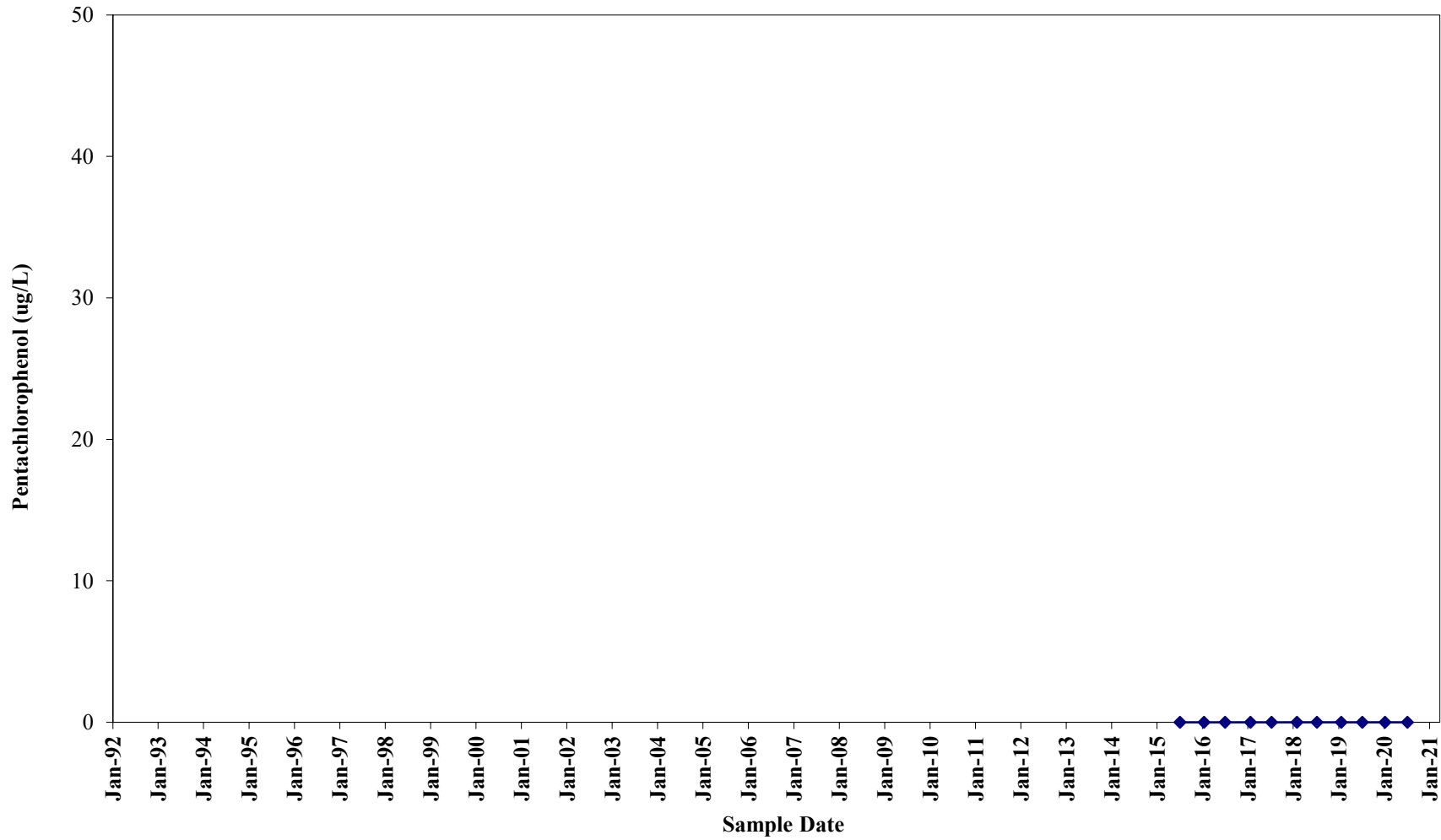
Well W71 installed in June 2015.

**Pentachlorophenol Concentrations
Historical Groundwater Monitoring
Well W72**



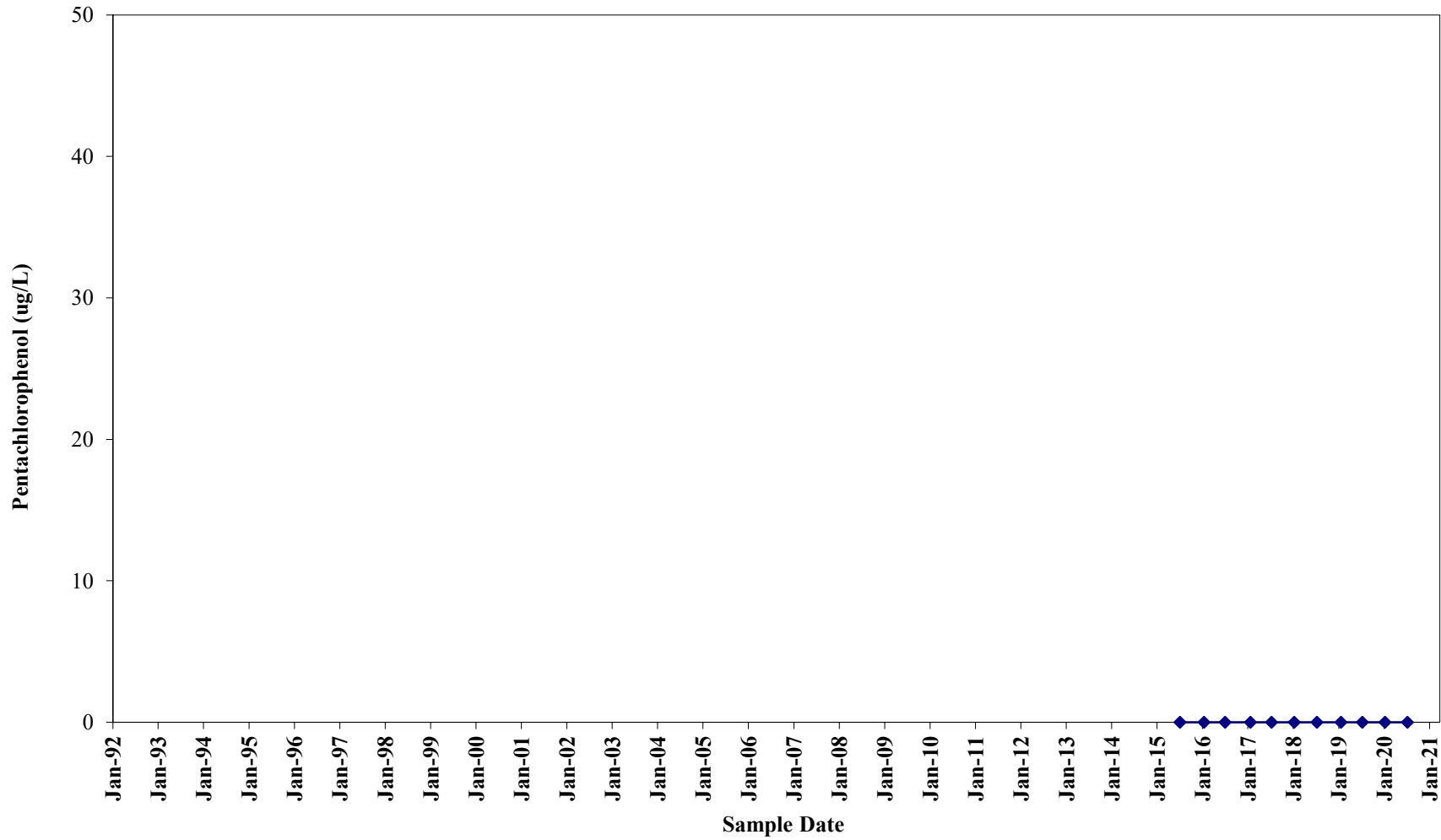
Well W72 installed in June 2015.

**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.

APPENDIX D

LABORATORY REPORT

D1 January 2020

D2 July 2020

D3 October 2020

D1
January 2020

ANALYTICAL REPORT

TRC ENVIRONMENTAL
 BRUCE IVERSON
 708 HEARTLAND TRAIL
 MADISON, WI 53717

Project Name: WAULECO
 Project Phase: WAUSAU, WI
 Contract #: 2399
 Project #: 189597.0009
 Folder #: 150712
 Purchase Order #: 148661

Page 1 of 5
 Arrival Temperature: 0.6
 Report Date: 01/28/2020
 Date Received: 01/10/2020
 Reprint Date: 01/29/2020

CT LAB Sample#: 377537	Sample Description: W18	Sampled: 01/07/2020 1400
------------------------	-------------------------	--------------------------

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	16	mg/L	0.80	2.5	1			01/23/2020 13:25	TMG	EPA 9056A
Total Organic Carbon	3.1	mg/L	0.40	1.3	1			01/13/2020 20:43	TMG	EPA 9060A
Metals Results										
Dissolved Iron	<59	ug/L	59	200	1			01/14/2020 00:59	NAH	EPA 6010C
Dissolved Manganese	<2.2	ug/L	2.2	7.3	1			01/14/2020 00:59	NAH	EPA 6010C
Organic Results										
TPH as Mineral Spirits	49	ug/L	32 *	110	1	B	01/14/2020 09:00	01/21/2020 11:35	AJZ	EPA 8015

CT LAB Sample#: 377550	Sample Description: W16	Sampled: 01/07/2020 1455
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	21	mg/L	0.80	2.5	1			01/23/2020 13:44	TMG	EPA 9056A
Total Organic Carbon	3.4	mg/L	0.40	1.3	1			01/13/2020 20:55	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#: 377550 Sample Description: W16 Sampled: 01/07/2020 1455

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Iron	<59	ug/L	59	200	1			01/14/2020 01:19	NAH	EPA 6010C
Dissolved Manganese	4.9	ug/L	2.2 *	7.3	1			01/14/2020 01:19	NAH	EPA 6010C
Organic Results										
TPH as Mineral Spirits	52	ug/L	32 *	110	1	B	01/14/2020 09:00	01/21/2020 12:08	AJZ	EPA 8015

CT LAB Sample#: 377551 Sample Description: W12 Sampled: 01/07/2020 1545

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	18	mg/L	0.80	2.5	1			01/23/2020 14:04	TMG	EPA 9056A
Total Organic Carbon	3.0	mg/L	0.40	1.3	1			01/13/2020 21:07	TMG	EPA 9060A
Metals Results										
Dissolved Iron	141	ug/L	59 *	200	1			01/14/2020 01:25	NAH	EPA 6010C
Dissolved Manganese	41.3	ug/L	2.2	7.3	1			01/14/2020 01:25	NAH	EPA 6010C
Organic Results										
TPH as Mineral Spirits	60	ug/L	32 *	110	1	B	01/14/2020 09:00	01/21/2020 12:42	AJZ	EPA 8015

CT LAB Sample#: 377552 Sample Description: W8 Sampled: 01/09/2020 1310

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Inorganic Results

CT LAB Sample#: 377552 Sample Description: W8

Sampled: 01/09/2020 1310

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Nitrate Nitrogen Total	4.3	mg/L	0.12	0.40	1			01/10/2020 14:28	TMG	EPA 9056A
Total Sulfate	15	mg/L	0.80	2.5	1			01/10/2020 14:28	TMG	EPA 9056A
Total Organic Carbon	2.8	mg/L	0.40	1.3	1			01/13/2020 21:19	TMG	EPA 9060A
Metals Results										
Dissolved Iron	<59	ug/L	59	200	1			01/14/2020 01:50	NAH	EPA 6010C
Dissolved Manganese	<2.2	ug/L	2.2	7.3	1			01/14/2020 01:50	NAH	EPA 6010C
Organic Results										
TPH as Mineral Spirits	80	ug/L	32 *	110	1	B	01/14/2020 09:00	01/21/2020 13:15	AJZ	EPA 8015
2,3,4,6-Tetrachlorophenol	<3.0	ug/L	0.13	0.96	1		01/16/2020 09:00	01/17/2020 14:20	JJY	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	0.22	0.96	1		01/16/2020 09:00	01/17/2020 14:20	JJY	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	0.20	0.96	1		01/16/2020 09:00	01/17/2020 14:20	JJY	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	0.25	0.96	1		01/16/2020 09:00	01/17/2020 14:20	JJY	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	0.19	0.96	1		01/16/2020 09:00	01/17/2020 14:20	JJY	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	0.28	0.96	1		01/16/2020 09:00	01/17/2020 14:20	JJY	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	0.20	0.96	1		01/16/2020 09:00	01/17/2020 14:20	JJY	EPA 8270D
2-Chlorophenol	<3.0	ug/L	0.23	0.96	1		01/16/2020 09:00	01/17/2020 14:20	JJY	EPA 8270D
2-Methylphenol	<3.0	ug/L	0.19	0.96	1		01/16/2020 09:00	01/17/2020 14:20	JJY	EPA 8270D
2-Nitrophenol	<3.0	ug/L	0.20	0.96	1		01/16/2020 09:00	01/17/2020 14:20	JJY	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	0.22	0.96	1		01/16/2020 09:00	01/17/2020 14:20	JJY	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	0.29	1.1	1		01/16/2020 09:00	01/17/2020 14:20	JJY	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	0.21	0.96	1		01/16/2020 09:00	01/17/2020 14:20	JJY	EPA 8270D
4-Nitrophenol	<3.0	ug/L	0.23	0.96	1		01/16/2020 09:00	01/17/2020 14:20	JJY	EPA 8270D
Pentachlorophenol	<3.0	ug/L	0.48	1.6	1		01/16/2020 09:00	01/17/2020 14:20	JJY	EPA 8270D
Phenol	<3.0	ug/L	0.25	0.96	1		01/16/2020 09:00	01/17/2020 14:20	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#: 377553 Sample Description: W71 Sampled: 01/09/2020 1410

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
Pentachlorophenol	<3.0	ug/L	0.48	1.6	1		01/16/2020 09:00	01/17/2020 14:41	JJY	EPA 8270D

CT LAB Sample#: 377554 Sample Description: W72 Sampled: 01/09/2020 1520

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
Pentachlorophenol	<3.0	ug/L	0.49	1.7	1		01/16/2020 09:00	01/17/2020 15:01	JJY	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





Code	Description
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# ACC20190002
 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
 GA EPD Stipulation ID ACC20190002

Ice Present YES NO
Temperature 0.6°C
IR Gun # SRT 28
Initials BMS
Date 01/10/2020 Time 10:20
Cooler #: XXXX

Cooler Receipt Form

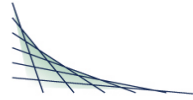
TOM DUSHEK TRC ENVIRONMENTAL 125 ROSECRANS STREET WAUSAU WI 54401	40 LBS	1 OF 1
RS		
SHIP TO: SHIPPING DEPT 6083562760 CT LABS 1230 LANGE CT BARABOO WI 53913		
	WI 539 0-10 	
UPS GROUND TRACKING #: 1Z 1A3 77E 90 4089 8404		
		
BILLING: P/P DESC: Environmental Samples RETURN SERVICE		
XOL 20.01 15 NV45 20.0A 10/2019		

CUSTODY SEAL
DATE 1-9-20
SIGNATURE [Signature]

OEC
Quality Environmental Containers
800-255-3950 • 304-255-3900

CUSTODY SEAL
DATE 1-9-20
SIGNATURE [Signature]

OEC
Quality Environmental Containers
800-255-3950 • 304-255-3900



**REVISED
 ANALYTICAL REPORT**

TRC ENVIRONMENTAL
 BRUCE IVERSON
 708 HEARTLAND TRAIL
 MADISON, WI 53717

Project Name: WAULECO
 Project Phase: WAUSAU, WI
 Contract #: 2399
 Project #: 189597.0009
 Folder #: 150750
 Purchase Order #: 148661

Page 1 of 12
 Arrival Temperature: 2.6
 Report Date: 01/23/2020
 Date Received: 01/14/2020
 Reprint Date: 02/28/2020
 Revision Date 02/28/2020

CT LAB Sample#: 378240 Sample Description: W74 Sampled: 01/10/2020 1255

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
Pentachlorophenol	<3.0	ug/L	0.48	1.6	1		01/16/2020 09:00	01/17/2020 16:23	JJY	EPA 8270D

CT LAB Sample#: 378241 Sample Description: W73 Sampled: 01/10/2020 1350

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	21	mg/L	0.80	2.5	1			01/14/2020 22:24	TMG	EPA 9056A
Total Organic Carbon	1.9	mg/L	0.40	1.3	1			01/15/2020 11:26	TMG	EPA 9060A
Metals Results										
Dissolved Iron	<59	ug/L	59	200	1			01/16/2020 16:09	NAH	EPA 6010C
Dissolved Manganese	2.8	ug/L	2.2 *	7.3	1			01/16/2020 16:09	NAH	EPA 6010C
Organic Results										
TPH as Mineral Spirits	<32	ug/L	32	110	1		01/14/2020 09:00	01/21/2020 13:49	AJZ	EPA 8015

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

CT LAB Sample#: 378241 Sample Description: W73

Sampled: 01/10/2020 1350

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,3,4,6-Tetrachlorophenol	<3.0	ug/L	0.13	0.96	1		01/16/2020 09:00	01/17/2020 16:44	JJY	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	0.22	0.96	1		01/16/2020 09:00	01/17/2020 16:44	JJY	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	0.20	0.96	1		01/16/2020 09:00	01/17/2020 16:44	JJY	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	0.25	0.96	1		01/16/2020 09:00	01/17/2020 16:44	JJY	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	0.19	0.96	1		01/16/2020 09:00	01/17/2020 16:44	JJY	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	0.28	0.96	1		01/16/2020 09:00	01/17/2020 16:44	JJY	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	0.20	0.96	1		01/16/2020 09:00	01/17/2020 16:44	JJY	EPA 8270D
2-Chlorophenol	<3.0	ug/L	0.23	0.96	1		01/16/2020 09:00	01/17/2020 16:44	JJY	EPA 8270D
2-Methylphenol	<3.0	ug/L	0.19	0.96	1		01/16/2020 09:00	01/17/2020 16:44	JJY	EPA 8270D
2-Nitrophenol	<3.0	ug/L	0.20	0.96	1		01/16/2020 09:00	01/17/2020 16:44	JJY	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	0.22	0.96	1		01/16/2020 09:00	01/17/2020 16:44	JJY	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	0.29	1.1	1		01/16/2020 09:00	01/17/2020 16:44	JJY	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	0.21	0.96	1		01/16/2020 09:00	01/17/2020 16:44	JJY	EPA 8270D
4-Nitrophenol	<3.0	ug/L	0.23	0.96	1		01/16/2020 09:00	01/17/2020 16:44	JJY	EPA 8270D
Pentachlorophenol	<3.0	ug/L	0.48	1.6	1		01/16/2020 09:00	01/17/2020 16:44	JJY	EPA 8270D
Phenol	<3.0	ug/L	0.25	0.96	1		01/16/2020 09:00	01/17/2020 16:44	JJY	EPA 8270D

CT LAB Sample#: 378243 Sample Description: W11

Sampled: 01/10/2020 1440

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	10	mg/L	0.80	2.5	1			01/14/2020 22:43	TMG	EPA 9056A
Total Organic Carbon	1.2	mg/L	0.40 *	1.3	1			01/15/2020 11:38	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#: 378243 Sample Description: W11

Sampled: 01/10/2020 1440

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dissolved Iron	88.3	ug/L	59 *	200	1			01/16/2020 16:16	NAH	EPA 6010C
Dissolved Manganese	1400	ug/L	2.2	7.3	1			01/16/2020 16:16	NAH	EPA 6010C
Organic Results										
TPH as Mineral Spirits	<33	ug/L	33	110	1		01/14/2020 09:00	01/21/2020 14:22	AJZ	EPA 8015

CT LAB Sample#: 378244 Sample Description: W25

Sampled: 01/13/2020 0745

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	3.3	mg/L	0.12	0.40	1			01/14/2020 19:11	TMG	EPA 9056A
Organic Results										
2,3,4,6-Tetrachlorophenol	0.25	ug/L	0.13 *	0.96	1		01/16/2020 09:00	01/17/2020 17:04	JJY	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	0.22	0.96	1		01/16/2020 09:00	01/17/2020 17:04	JJY	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	0.20	0.96	1		01/16/2020 09:00	01/17/2020 17:04	JJY	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	0.25	0.96	1		01/16/2020 09:00	01/17/2020 17:04	JJY	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	0.19	0.96	1		01/16/2020 09:00	01/17/2020 17:04	JJY	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	0.28	0.96	1		01/16/2020 09:00	01/17/2020 17:04	JJY	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	0.20	0.96	1		01/16/2020 09:00	01/17/2020 17:04	JJY	EPA 8270D
2-Chlorophenol	<3.0	ug/L	0.23	0.96	1		01/16/2020 09:00	01/17/2020 17:04	JJY	EPA 8270D
2-Methylphenol	<3.0	ug/L	0.19	0.96	1		01/16/2020 09:00	01/17/2020 17:04	JJY	EPA 8270D
2-Nitrophenol	<3.0	ug/L	0.20	0.96	1		01/16/2020 09:00	01/17/2020 17:04	JJY	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	0.22	0.96	1		01/16/2020 09:00	01/17/2020 17:04	JJY	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	0.29	1.1	1		01/16/2020 09:00	01/17/2020 17:04	JJY	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	0.21	0.96	1		01/16/2020 09:00	01/17/2020 17:04	JJY	EPA 8270D

CT LAB Sample#: 378244 Sample Description: W25 Sampled: 01/13/2020 0745

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
4-Nitrophenol	<3.0	ug/L	0.23	0.96	1		01/16/2020 09:00	01/17/2020 17:04	JJY	EPA 8270D
Pentachlorophenol	5.4	ug/L	0.48	1.6	1		01/16/2020 09:00	01/17/2020 17:04	JJY	EPA 8270D
Phenol	<3.0	ug/L	0.25	0.96	1		01/16/2020 09:00	01/17/2020 17:04	JJY	EPA 8270D

CT LAB Sample#: 378245 Sample Description: W28 Sampled: 01/13/2020 0835

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	17	mg/L	0.80	2.5	1			01/14/2020 23:02	TMG	EPA 9056A
Total Organic Carbon	1.0	mg/L	0.40 *	1.3	1			01/15/2020 11:50	TMG	EPA 9060A
Metals Results										
Dissolved Iron	<59	ug/L	59	200	1			01/16/2020 16:23	NAH	EPA 6010C
Dissolved Manganese	<2.2	ug/L	2.2	7.3	1			01/16/2020 16:23	NAH	EPA 6010C
Organic Results										
TPH as Mineral Spirits	<32	ug/L	32	110	1		01/14/2020 09:00	01/21/2020 14:56	AJZ	EPA 8015

CT LAB Sample#: 378246 Sample Description: W29R Sampled: 01/13/2020 0935

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	18	mg/L	0.80	2.5	1			01/14/2020 23:21	TMG	EPA 9056A
Total Organic Carbon	8.1	mg/L	0.40	1.3	1			01/15/2020 12:04	TMG	EPA 9060A
Metals Results										

CT LAB Sample#: 378246 Sample Description: W29R Sampled: 01/13/2020 0935

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dissolved Iron	<59	ug/L	59	200	1			01/16/2020 16:29	NAH	EPA 6010C
Dissolved Manganese	219	ug/L	2.2	7.3	1			01/16/2020 16:29	NAH	EPA 6010C
Organic Results										
TPH as Mineral Spirits	140	ug/L	32	110	1	B	01/14/2020 09:00	01/21/2020 15:29	AJZ	EPA 8015

CT LAB Sample#: 378247 Sample Description: W26R Sampled: 01/13/2020 1040

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	0.64	mg/L	0.12	0.40	1			01/14/2020 19:30	TMG	EPA 9056A
Total Sulfate	11	mg/L	0.80	2.5	1			01/14/2020 19:30	TMG	EPA 9056A
Total Organic Carbon	4.9	mg/L	0.40	1.3	1			01/15/2020 12:16	TMG	EPA 9060A
Metals Results										
Dissolved Iron	<59	ug/L	59	200	1			01/16/2020 16:36	NAH	EPA 6010C
Dissolved Manganese	640	ug/L	2.2	7.3	1			01/16/2020 16:36	NAH	EPA 6010C
Organic Results										
TPH as Mineral Spirits	340	ug/L	33	110	1	B	01/14/2020 09:00	01/21/2020 17:10	AJZ	EPA 8015
2,3,4,6-Tetrachlorophenol	190	ug/L	13	96	100	Q	01/16/2020 09:00	01/20/2020 12:16	JJY	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	22	96	100		01/16/2020 09:00	01/20/2020 12:16	JJY	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	20	96	100		01/16/2020 09:00	01/20/2020 12:16	JJY	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	25	96	100		01/16/2020 09:00	01/20/2020 12:16	JJY	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	19	96	100		01/16/2020 09:00	01/20/2020 12:16	JJY	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	28	96	100		01/16/2020 09:00	01/20/2020 12:16	JJY	EPA 8270D

CT LAB Sample#: 378247 Sample Description: W26R Sampled: 01/13/2020 1040

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,6-Dichlorophenol	<3.0	ug/L	20	96	100		01/16/2020 09:00	01/20/2020 12:16	JJY	EPA 8270D
2-Chlorophenol	<3.0	ug/L	23	96	100		01/16/2020 09:00	01/20/2020 12:16	JJY	EPA 8270D
2-Methylphenol	<3.0	ug/L	19	96	100		01/16/2020 09:00	01/20/2020 12:16	JJY	EPA 8270D
2-Nitrophenol	<3.0	ug/L	20	96	100		01/16/2020 09:00	01/20/2020 12:16	JJY	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	22	96	100		01/16/2020 09:00	01/20/2020 12:16	JJY	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	29	110	100		01/16/2020 09:00	01/20/2020 12:16	JJY	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	21	96	100		01/16/2020 09:00	01/20/2020 12:16	JJY	EPA 8270D
4-Nitrophenol	<3.0	ug/L	23	96	100		01/16/2020 09:00	01/20/2020 12:16	JJY	EPA 8270D
Pentachlorophenol	2600	ug/L	48	160	100		01/16/2020 09:00	01/20/2020 12:16	JJY	EPA 8270D
Phenol	<3.0	ug/L	25	96	100		01/16/2020 09:00	01/20/2020 12:16	JJY	EPA 8270D

CT LAB Sample#: 378248 Sample Description: W6R Sampled: 01/13/2020 1205

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	0.22	mg/L	0.12 *	0.40	1			01/14/2020 19:50	TMG	EPA 9056A
Total Sulfate	16	mg/L	0.80	2.5	1			01/14/2020 19:50	TMG	EPA 9056A
Total Organic Carbon	8.6	mg/L	0.40	1.3	1			01/15/2020 12:28	TMG	EPA 9060A
Metals Results										
Dissolved Iron	<59	ug/L	59	200	1			01/16/2020 17:00	NAH	EPA 6010C
Dissolved Manganese	1010	ug/L	2.2	7.3	1			01/16/2020 17:00	NAH	EPA 6010C
Organic Results										
TPH as Mineral Spirits	2900	ug/L	32	110	1		01/14/2020 09:00	01/21/2020 17:44	AJZ	EPA 8015

CT LAB Sample#: 378248 Sample Description: W6R

Sampled: 01/13/2020 1205

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,3,4,6-Tetrachlorophenol	210	ug/L	13	97	100	Q	01/16/2020 09:00	01/17/2020 17:45	JJY	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	22	97	100		01/16/2020 09:00	01/17/2020 17:45	JJY	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	20	97	100		01/16/2020 09:00	01/17/2020 17:45	JJY	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	25	97	100		01/16/2020 09:00	01/17/2020 17:45	JJY	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	19	97	100		01/16/2020 09:00	01/17/2020 17:45	JJY	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	28	97	100		01/16/2020 09:00	01/17/2020 17:45	JJY	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	20	97	100		01/16/2020 09:00	01/17/2020 17:45	JJY	EPA 8270D
2-Chlorophenol	<3.0	ug/L	23	97	100		01/16/2020 09:00	01/17/2020 17:45	JJY	EPA 8270D
2-Methylphenol	<3.0	ug/L	19	97	100		01/16/2020 09:00	01/17/2020 17:45	JJY	EPA 8270D
2-Nitrophenol	<3.0	ug/L	20	97	100		01/16/2020 09:00	01/17/2020 17:45	JJY	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	22	97	100		01/16/2020 09:00	01/17/2020 17:45	JJY	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	29	110	100		01/16/2020 09:00	01/17/2020 17:45	JJY	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	21	97	100		01/16/2020 09:00	01/17/2020 17:45	JJY	EPA 8270D
4-Nitrophenol	<3.0	ug/L	23	97	100		01/16/2020 09:00	01/17/2020 17:45	JJY	EPA 8270D
Pentachlorophenol	3200	ug/L	49	170	100		01/16/2020 09:00	01/17/2020 17:45	JJY	EPA 8270D
Phenol	<3.0	ug/L	25	97	100		01/16/2020 09:00	01/17/2020 17:45	JJY	EPA 8270D

CT LAB Sample#: 378249 Sample Description: W17

Sampled: 01/13/2020 1320

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			01/14/2020 21:45	TMG	EPA 9056A
Total Sulfate	3.4	mg/L	0.80	2.5	1			01/14/2020 21:45	TMG	EPA 9056A
Total Organic Carbon	2.7	mg/L	0.40	1.3	1			01/15/2020 12:41	TMG	EPA 9060A

CT LAB Sample#: 378249 Sample Description: W17

Sampled: 01/13/2020 1320

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Iron	98.7	ug/L	59 *	200	1			01/16/2020 17:07	NAH	EPA 6010C
Dissolved Manganese	258	ug/L	2.2	7.3	1			01/16/2020 17:07	NAH	EPA 6010C
Organic Results										
TPH as Mineral Spirits	<33	ug/L	33	110	1		01/14/2020 09:00	01/21/2020 18:18	AJZ	EPA 8015
2,3,4,6-Tetrachlorophenol	3.1	ug/L	0.26	2.0	2	Q	01/16/2020 09:00	01/17/2020 18:06	JJY	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	0.46	2.0	2		01/16/2020 09:00	01/17/2020 18:06	JJY	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	0.42	2.0	2		01/16/2020 09:00	01/17/2020 18:06	JJY	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	0.52	2.0	2		01/16/2020 09:00	01/17/2020 18:06	JJY	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	0.40	2.0	2		01/16/2020 09:00	01/17/2020 18:06	JJY	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	0.58	2.0	2		01/16/2020 09:00	01/17/2020 18:06	JJY	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	0.42	2.0	2		01/16/2020 09:00	01/17/2020 18:06	JJY	EPA 8270D
2-Chlorophenol	<3.0	ug/L	0.48	2.0	2		01/16/2020 09:00	01/17/2020 18:06	JJY	EPA 8270D
2-Methylphenol	<3.0	ug/L	0.40	2.0	2		01/16/2020 09:00	01/17/2020 18:06	JJY	EPA 8270D
2-Nitrophenol	<3.0	ug/L	0.42	2.0	2		01/16/2020 09:00	01/17/2020 18:06	JJY	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	0.46	2.0	2		01/16/2020 09:00	01/17/2020 18:06	JJY	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	0.60	2.2	2		01/16/2020 09:00	01/17/2020 18:06	JJY	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	0.44	2.0	2		01/16/2020 09:00	01/17/2020 18:06	JJY	EPA 8270D
4-Nitrophenol	<3.0	ug/L	0.48	2.0	2		01/16/2020 09:00	01/17/2020 18:06	JJY	EPA 8270D
Pentachlorophenol	61	ug/L	1.0	3.4	2		01/16/2020 09:00	01/17/2020 18:06	JJY	EPA 8270D
Phenol	<3.0	ug/L	0.52	2.0	2		01/16/2020 09:00	01/17/2020 18:06	JJY	EPA 8270D

CT LAB Sample#: 378250 Sample Description: W3A

Sampled: 01/13/2020 1410

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			01/14/2020 22:04	TMG	EPA 9056A
Total Sulfate	1.4	mg/L	0.80 *	2.5	1			01/14/2020 22:04	TMG	EPA 9056A
Total Organic Carbon	5.3	mg/L	0.40	1.3	1			01/15/2020 13:41	TMG	EPA 9060A
Metals Results										
Dissolved Iron	1630	ug/L	59	200	1			01/16/2020 17:13	NAH	EPA 6010C
Dissolved Manganese	915	ug/L	2.2	7.3	1			01/16/2020 17:13	NAH	EPA 6010C
Organic Results										
TPH as Mineral Spirits	31000	ug/L	320	1100	10		01/14/2020 09:00	01/21/2020 18:51	AJZ	EPA 8015
2,3,4,6-Tetrachlorophenol	24	ug/L	2.5	19	20	Q	01/16/2020 09:00	01/17/2020 18:27	JJY	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	4.4	19	20		01/16/2020 09:00	01/17/2020 18:27	JJY	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	4.0	19	20		01/16/2020 09:00	01/17/2020 18:27	JJY	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	5.0	19	20		01/16/2020 09:00	01/17/2020 18:27	JJY	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	3.8	19	20		01/16/2020 09:00	01/17/2020 18:27	JJY	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	5.6	19	20		01/16/2020 09:00	01/17/2020 18:27	JJY	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	4.0	19	20		01/16/2020 09:00	01/17/2020 18:27	JJY	EPA 8270D
2-Chlorophenol	<3.0	ug/L	4.6	19	20		01/16/2020 09:00	01/17/2020 18:27	JJY	EPA 8270D
2-Methylphenol	<3.0	ug/L	3.8	19	20		01/16/2020 09:00	01/17/2020 18:27	JJY	EPA 8270D
2-Nitrophenol	<3.0	ug/L	4.0	19	20		01/16/2020 09:00	01/17/2020 18:27	JJY	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	4.4	19	20		01/16/2020 09:00	01/17/2020 18:27	JJY	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	5.8	21	20		01/16/2020 09:00	01/17/2020 18:27	JJY	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	4.2	19	20		01/16/2020 09:00	01/17/2020 18:27	JJY	EPA 8270D
4-Nitrophenol	<3.0	ug/L	4.6	19	20		01/16/2020 09:00	01/17/2020 18:27	JJY	EPA 8270D
Pentachlorophenol	410	ug/L	9.6	33	20		01/16/2020 09:00	01/17/2020 18:27	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#: 378250 Sample Description: W3A Sampled: 01/13/2020 1410

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Phenol	<3.0	ug/L	5.0	19	20		01/16/2020 09:00	01/17/2020 18:27	JJY	EPA 8270D

CT LAB Sample#: 378251 Sample Description: PW17 Sampled: 01/13/2020 1500

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Inorganic Results

Total Sulfate	11	mg/L	0.80	2.5	1			01/14/2020 23:41	TMG	EPA 9056A
Total Organic Carbon	5.3	mg/L	0.40	1.3	1			01/15/2020 14:34	TMG	EPA 9060A

Metals Results

Dissolved Iron	3150	ug/L	59	200	1			01/16/2020 17:20	NAH	EPA 6010C
Dissolved Manganese	2350	ug/L	2.2	7.3	1			01/16/2020 17:20	NAH	EPA 6010C

Organic Results

TPH as Mineral Spirits	<32	ug/L	32	110	1		01/14/2020 09:00	01/21/2020 19:25	AJZ	EPA 8015
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CT LAB Sample#: 378252 Sample Description: FP02 Sampled: 01/13/2020 1510

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Inorganic Results

Total Sulfate	1.7	mg/L	0.80 *	2.5	1			01/15/2020 00:00	TMG	EPA 9056A
Total Organic Carbon	6.6	mg/L	0.40	1.3	1			01/15/2020 14:46	TMG	EPA 9060A

Metals Results

Dissolved Iron	14400	ug/L	59	200	1	M		01/16/2020 17:26	NAH	EPA 6010C
Dissolved Manganese	7310	ug/L	2.2	7.3	1	M		01/16/2020 17:26	NAH	EPA 6010C

CT LAB Sample#: 378252 Sample Description: FP02

Sampled: 01/13/2020 1510

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
TPH as Mineral Spirits	3500	ug/L	33	110	1		01/14/2020 09:00	01/21/2020 19:59	AJZ	EPA 8015

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.

Reason for Revision The full-list of Phenols was reported for Sample # 378241 (W73) rather than just PCP, per the client's request.

Submitted by: Brett M. Szymanski
 Project Manager
 608-356-2760

QC Qualifiers

Code	Description
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# ACC20190002
 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
 GA EPD Stipulation ID ACC20190002

Company Name: TRC
 Project Contact: Bruce Iverson
 Telephone: 608-826-3644
 Project Name: Wauleco
 Project Number: 189597.0009
 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

Field #: 150750
 Company: TRC ENVIRONMENTA

Ice Present Yes No

Invoice To: Accounts Payable
 Company: TRC
 Address:
 City/State/Zip:

Regulatory Program:
UST RCRA SDWA NPDES
 Solid Waste Other _____

Project: WAULECO
 Logged By: JLS PM: BM

Temperature 22.6°
 Initials JLS
 Date 1/14/2020 Time 1005
 Cooler # 6178 5543 6301

PO No.

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:
 Metals are filtered.

Landfill License Number

Collection		Field Screen	Field ID	Grab/Comp	Sample ID Description	Filt'd Y/N	WDNR Well ID #	**Matrix:	TPH	TOC	Sulfate	Diss. Mn, Fe	Phenols (8270)	Nitrate	Total No of Containers	Total No of Cont. Rec'd	Preservation*	Lab ID #
Date	Time																	
Fill in Spaces with Bottles per Test																		
1/10/20	1255			G	W74	N		GW					2		378240	2		Report PCP only
	1350				W73			1	1	1	1		2		378241	6		Report PCP only
	1440				W11			1	1	1	1					4		378243
1/13/20	0745				W25								2	1		3		378244
	0835				W28			1	1	1	1					4		378245
	0935				W29R			1	1	1	1					4		378246
	1040				W26R			1	1	1	1	2	✓			6		378247
	1205				W6R			1	1	1	1	2	✓			6		378248
	1320			✓	W17	✓		✓	1	1	1	2	✓			6		378249
								A	C	A	D							

Relinquished By: J.J. Dushek
 Date/Time: 1/13/20 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: JLS
 Date/Time: 1/14/2020 1033

Company Name: TRC
 Project Contact: Bruce Iverson
 Telephone: 608-826-3644
 Project Name: Wauleco
 Project Number: 189597.0009
 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

Invoice To: Accounts Payable
 Company: TRC
 Address:
 City/State/Zip:
 PO No.

Place Header Sticker Here
 Lab Use Only

Ice Present Yes No

Temperature 22.6

Initials JB

Date 1/14/2020 Time 1005

Cooler # 6178,5543,6301

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	Filt'd Y/N
1/13/20	1410			G	W3A	N
	1500				PW17	
	1510				FP02	

WDNR Well ID #	**Matrix:	TPH	TOC	Sulfate	Diss. Mn, Fe	Phenols (\$270)	Nitrate	Total No of Containers	Total No of Cont. Rec'd	Preservation*
	GW	1	1	1	1	2	✓	6		
		1	1	1	1			4		
		1	1	1	1			4		

Client Special Instructions:
 Metals are filtered.

Lab ID #

378250
 378251
 378252

A C A D ←

Relinquished By: J. J. Dushek Date/Time: 1/13/20 1630
 Received by: [Signature] Date/Time: 1/14/2020

****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

• Daily Pick up customers may add return package(s) to their outbound shipments by having them

CUSTODY SEAL

DATE 1-13-20

SIGNATURE T J Dushek

QEC
Quality Environmental Containers
800-255-3950 • 304-255-3900

UPS Access Point™
CVS STORE # 102 CENTRAL
WAUSAU WI

UPS Access Point™
JOIN POST

CUSTODY SEAL

DATE 1-13-20

SIGNATURE T J Dushek

QEC
Quality Environmental Containers
800-255-3950 • 304-255-3900

FOLD HERE

40 LBS **RC.com** 1 OF 1

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 LA3 77E 90 4006 7472

BILLING: P/P
DESC: Environmental Samples
RETURN SERVICE

1002/10/10/2019
N945/20.0A.10/2019

Ice Present Yes No

Temperature 2.2°

Initials TD

Date 1-13-20

Cooler # 6178

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 customers may add return package(s) to their outbound shipments by having them ready for the driver as usual

CUSTODY SEAL

DATE 1-13-20

SIGNATURE [Signature]

QEC
Quality Environmental Containers
800-255-3950 • 304-255-3900

UPS A
CVS S
102 C
WAU

CUSTODY SEAL

DATE 1-13-20

SIGNATURE [Signature]

QEC
Quality Environmental Containers
800-255-3950 • 304-255-3900

FOLD HERE

40 LBS
RS
1 OF 1

TOM DUSHEK
TRC ENVIRONMENTAL
125 ROSEGRANS 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 4297 1455

BILLING: P/P
DESC: Environmental Samples
RETURN SERVICE

XL1 20 01 15 N145 20 0A 10/2019

Ice Present Yes No

Temperature 13

Initials [Signature]

Date 1/14/2020 Time 1005

Cooler # 5543

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 customers may add return package(s) to their outbound shipments by having them

CUSTODY SEAL

DATE 1-13-20

SIGNATURE [Signature]




QEC
Quality Environmental Containers
800-255-3950 • 304-255-3900

CUSTODY SEAL

DATE 1-13-20

SIGNATURE [Signature]

QEC
Quality Environmental Containers
800-255-3950 • 304-255-3900

<p>1 OF 1</p> <p>40 LBS</p> <p>RS</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>WI 539 0-10</p> 	<p>UPS GROUND</p> <p>TRACKING #: 1Z 1A3 77E 90 4050 7264</p> 	<p></p> <p>APR 20 01 16 N445 20 CA 10/2019</p> <p>BILLING: P/P DESC: Environmental Samples RETURN SERVICE</p> <p>Ice Present <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p>Temperature <u>2.6°</u></p> <p>Initials <u>[Signature]</u></p> <p>Date <u>1/14/2020</u> Time <u>1005</u></p> <p>Cooler # <u>6301</u></p>
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ANALYTICAL REPORT

TRC ENVIRONMENTAL
 BRUCE IVERSON
 708 HEARTLAND TRAIL
 MADISON, WI 53717

Project Name: WAULECO
 Project Phase: WAUSAU, WI
 Contract #: 2399
 Project #: 189597.0009
 Folder #: 150777
 Purchase Order #: 148661

Page 1 of 7
 Arrival Temperature: 4.1
 Report Date: 01/28/2020
 Date Received: 01/15/2020
 Reprint Date: 01/29/2020

CT LAB Sample#: 378675	Sample Description: W13	Sampled: 01/14/2020 0800
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	0.83	mg/L	0.12	0.40	1			01/15/2020 19:13	TMG	EPA 9056A
Total Sulfate	9.1	mg/L	0.80	2.5	1			01/15/2020 19:13	TMG	EPA 9056A
Total Organic Carbon	2.5	mg/L	0.40	1.3	1			01/22/2020 11:53	TMG	EPA 9060A
Metals Results										
Dissolved Iron	<59	ug/L	59	200	1			01/16/2020 14:53	NAH	EPA 6010C
Dissolved Manganese	5.2	ug/L	2.2 *	7.3	1			01/16/2020 14:53	NAH	EPA 6010C
Organic Results										
TPH as Mineral Spirits	<32	ug/L	32	110	1		01/17/2020 13:00	01/22/2020 01:02	AJZ	EPA 8015
2,3,4,6-Tetrachlorophenol	<3.0	ug/L	0.13	0.98	1		01/16/2020 09:00	01/17/2020 18:47	JJY	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	0.23	0.98	1		01/16/2020 09:00	01/17/2020 18:47	JJY	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	0.21	0.98	1		01/16/2020 09:00	01/17/2020 18:47	JJY	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	0.25	0.98	1		01/16/2020 09:00	01/17/2020 18:47	JJY	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	0.20	0.98	1		01/16/2020 09:00	01/17/2020 18:47	JJY	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	0.28	0.98	1		01/16/2020 09:00	01/17/2020 18:47	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#: 378675 Sample Description: W13 Sampled: 01/14/2020 0800

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,6-Dichlorophenol	<3.0	ug/L	0.21	0.98	1		01/16/2020 09:00	01/17/2020 18:47	JJY	EPA 8270D
2-Chlorophenol	<3.0	ug/L	0.24	0.98	1		01/16/2020 09:00	01/17/2020 18:47	JJY	EPA 8270D
2-Methylphenol	<3.0	ug/L	0.20	0.98	1		01/16/2020 09:00	01/17/2020 18:47	JJY	EPA 8270D
2-Nitrophenol	<3.0	ug/L	0.21	0.98	1		01/16/2020 09:00	01/17/2020 18:47	JJY	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	0.23	0.98	1		01/16/2020 09:00	01/17/2020 18:47	JJY	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	0.29	1.1	1		01/16/2020 09:00	01/17/2020 18:47	JJY	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	0.22	0.98	1		01/16/2020 09:00	01/17/2020 18:47	JJY	EPA 8270D
4-Nitrophenol	<3.0	ug/L	0.24	0.98	1		01/16/2020 09:00	01/17/2020 18:47	JJY	EPA 8270D
Pentachlorophenol	<3.0	ug/L	0.49	1.7	1		01/16/2020 09:00	01/17/2020 18:47	JJY	EPA 8270D
Phenol	<3.0	ug/L	0.25	0.98	1		01/16/2020 09:00	01/17/2020 18:47	JJY	EPA 8270D

CT LAB Sample#: 378682 Sample Description: DFOMW5 Sampled: 01/14/2020 0850

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
Pentachlorophenol	<3.0	ug/L	0.50	1.7	1		01/16/2020 09:00	01/17/2020 20:51	JJY	EPA 8270D

CT LAB Sample#: 378684 Sample Description: DFOMW11 Sampled: 01/14/2020 0940

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
Pentachlorophenol	410	ug/L	5.0	17	10		01/16/2020 09:00	01/17/2020 19:08	JJY	EPA 8270D

CT LAB Sample#: 378685 Sample Description: DFOMW12 Sampled: 01/14/2020 1035

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
Pentachlorophenol	1500	ug/L	49	170	100		01/16/2020 09:00	01/20/2020 11:14	JJY	EPA 8270D

CT LAB Sample#: 378686 Sample Description: DFOMW12 DUP Sampled: 01/14/2020 1035

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
Pentachlorophenol	1400	ug/L	25	83	50		01/16/2020 09:00	01/20/2020 11:35	JJY	EPA 8270D

CT LAB Sample#: 378687 Sample Description: W10A Sampled: 01/14/2020 1305

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	5.2	mg/L	0.80	2.5	1			01/15/2020 20:11	TMG	EPA 9056A
Total Organic Carbon	4.5	mg/L	0.40	1.3	1			01/22/2020 12:54	TMG	EPA 9060A
Metals Results										
Dissolved Iron	2060	ug/L	59	200	1			01/16/2020 14:59	NAH	EPA 6010C
Dissolved Manganese	3850	ug/L	2.2	7.3	1			01/16/2020 14:59	NAH	EPA 6010C
Organic Results										
TPH as Mineral Spirits	1000	ug/L	32	110	1		01/17/2020 13:00	01/22/2020 01:36	AJZ	EPA 8015

CT LAB Sample#: 378698 Sample Description: W10A DUP

Sampled: 01/14/2020 1305

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	4.6	mg/L	0.80	2.5	1			01/15/2020 20:30	TMG	EPA 9056A
Total Organic Carbon	3.3	mg/L	0.40	1.3	1			01/22/2020 13:09	TMG	EPA 9060A
Metals Results										
Dissolved Iron	1940	ug/L	59	200	1			01/16/2020 15:06	NAH	EPA 6010C
Dissolved Manganese	3690	ug/L	2.2	7.3	1			01/16/2020 15:06	NAH	EPA 6010C
Organic Results										
TPH as Mineral Spirits	1000	ug/L	32	110	1	B	01/17/2020 13:00	01/22/2020 02:10	AJZ	EPA 8015

CT LAB Sample#: 378699 Sample Description: W33

Sampled: 01/14/2020 1425

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	1.9	mg/L	0.12	0.40	1			01/15/2020 21:28	TMG	EPA 9056A
Total Sulfate	10	mg/L	0.80	2.5	1			01/15/2020 21:28	TMG	EPA 9056A
Total Organic Carbon	6.9	mg/L	0.40	1.3	1			01/22/2020 13:58	TMG	EPA 9060A
Metals Results										
Dissolved Iron	510	ug/L	59	200	1			01/16/2020 15:13	NAH	EPA 6010C
Dissolved Manganese	1480	ug/L	2.2	7.3	1			01/16/2020 15:13	NAH	EPA 6010C
Organic Results										
TPH as Mineral Spirits	2400	ug/L	32	110	1		01/17/2020 13:00	01/22/2020 02:43	AJZ	EPA 8015
2,3,4,6-Tetrachlorophenol	720	ug/L	25	190	200	Q	01/16/2020 09:00	01/20/2020 11:55	JJY	EPA 8270D

CT LAB Sample#: 378699 Sample Description: W33

Sampled: 01/14/2020 1425

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,4,5-Trichlorophenol	<3.0	ug/L	45	190	200		01/16/2020 09:00	01/20/2020 11:55	JJY	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	41	190	200		01/16/2020 09:00	01/20/2020 11:55	JJY	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	50	190	200		01/16/2020 09:00	01/20/2020 11:55	JJY	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	39	190	200		01/16/2020 09:00	01/20/2020 11:55	JJY	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	56	190	200		01/16/2020 09:00	01/20/2020 11:55	JJY	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	41	190	200		01/16/2020 09:00	01/20/2020 11:55	JJY	EPA 8270D
2-Chlorophenol	<3.0	ug/L	47	190	200		01/16/2020 09:00	01/20/2020 11:55	JJY	EPA 8270D
2-Methylphenol	<3.0	ug/L	39	190	200		01/16/2020 09:00	01/20/2020 11:55	JJY	EPA 8270D
2-Nitrophenol	<3.0	ug/L	41	190	200		01/16/2020 09:00	01/20/2020 11:55	JJY	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	45	190	200		01/16/2020 09:00	01/20/2020 11:55	JJY	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	58	210	200		01/16/2020 09:00	01/20/2020 11:55	JJY	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	43	190	200		01/16/2020 09:00	01/20/2020 11:55	JJY	EPA 8270D
4-Nitrophenol	<3.0	ug/L	47	190	200		01/16/2020 09:00	01/20/2020 11:55	JJY	EPA 8270D
Pentachlorophenol	5600	ug/L	97	330	200		01/16/2020 09:00	01/20/2020 11:55	JJY	EPA 8270D
Phenol	<3.0	ug/L	50	190	200		01/16/2020 09:00	01/20/2020 11:55	JJY	EPA 8270D

CT LAB Sample#: 378701 Sample Description: EQUIPMENT BLANK

Sampled: 01/14/2020 1545

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			01/15/2020 21:47	TMG	EPA 9056A
Total Sulfate	<0.80	mg/L	0.80	2.5	1			01/15/2020 21:47	TMG	EPA 9056A
Total Organic Carbon	<0.40	mg/L	0.40	1.3	1			01/22/2020 14:10	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#: 378701 Sample Description: EQUIPMENT BLANK

Sampled: 01/14/2020 1545

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dissolved Iron	<59	ug/L	59	200	1			01/16/2020 15:37	NAH	EPA 6010C
Dissolved Manganese	<2.2	ug/L	2.2	7.3	1			01/16/2020 15:37	NAH	EPA 6010C
Organic Results										
TPH as Mineral Spirits	38	ug/L	32 *	110	1	B	01/17/2020 13:00	01/22/2020 03:17	AJZ	EPA 8015
2,3,4,6-Tetrachlorophenol	<3.0	ug/L	0.13	0.97	1		01/16/2020 09:00	01/17/2020 20:30	JJY	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	0.22	0.97	1		01/16/2020 09:00	01/17/2020 20:30	JJY	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	0.20	0.97	1		01/16/2020 09:00	01/17/2020 20:30	JJY	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	0.25	0.97	1		01/16/2020 09:00	01/17/2020 20:30	JJY	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	0.19	0.97	1		01/16/2020 09:00	01/17/2020 20:30	JJY	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	0.28	0.97	1		01/16/2020 09:00	01/17/2020 20:30	JJY	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	0.20	0.97	1		01/16/2020 09:00	01/17/2020 20:30	JJY	EPA 8270D
2-Chlorophenol	<3.0	ug/L	0.23	0.97	1		01/16/2020 09:00	01/17/2020 20:30	JJY	EPA 8270D
2-Methylphenol	<3.0	ug/L	0.19	0.97	1		01/16/2020 09:00	01/17/2020 20:30	JJY	EPA 8270D
2-Nitrophenol	<3.0	ug/L	0.20	0.97	1		01/16/2020 09:00	01/17/2020 20:30	JJY	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	0.22	0.97	1		01/16/2020 09:00	01/17/2020 20:30	JJY	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	0.29	1.1	1		01/16/2020 09:00	01/17/2020 20:30	JJY	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	0.21	0.97	1		01/16/2020 09:00	01/17/2020 20:30	JJY	EPA 8270D
4-Nitrophenol	<3.0	ug/L	0.23	0.97	1		01/16/2020 09:00	01/17/2020 20:30	JJY	EPA 8270D
Pentachlorophenol	<3.0	ug/L	0.49	1.7	1		01/16/2020 09:00	01/17/2020 20:30	JJY	EPA 8270D
Phenol	<3.0	ug/L	0.25	0.97	1		01/16/2020 09:00	01/17/2020 20:30	JJY	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

Code Description

- 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# ACC20190002
- 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
- GA EPD Stipulation ID ACC20190002

Company Name: TRC
 Project Contact: Bruce Iverson
 Telephone: 608-826-3644
 Project Name: Wauleco
 Project Number: 189597.0009
 Project Location: Wausau, WI
 Sampled By: Tom Dushek



Folder #: 150777
 Company: TRC ENVIRONMENTA
 Project: WAULECO
 Logged By: JLS PM: BM

0 Lange Court, Baraboo, WI 53913
 8-356-2760 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:

Regulatory Program:
 UST RCRA SDWA NPDES
 Solid Waste Other

Temperature Present Yes No
 Initials 4.1, 2.1
 Date 1/15/2020 Time 9:50
 Cooler # 5018, 6143

PO No.
 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
1/14/20	0800			G	W13	N
	0850				DFomW5	
	0940				DFomW11	
	1035				DFomW12	
	1035				DFomW12 Dup	
	1305				W10A	
	1305				W10A Dup	
	1425				W33	
	1545				Equipment Blank	

WDNR Well ID #	**Matrix:	TPH	TOC	Sulfate	Diss. Mn, Fe	Phenols (8270)	Nitrate	Total No of Containers	Total No of Cont. Rec'd	Preservation*
	GW	1	1	1	1	2	✓	6		
						2	378682	2		
						2	378684	2		
						2	378685	2		
						2	378686	2		
		1	1	1	1			4		
		1	1	1	1			4		
		1	1	1	1	2	✓	6		
		1	1	1	1	2	✓	6		
		A	C	A	D					

Client Special Instructions:
 Metals are filtered.

Lab ID #
 378675
 Report PCP only
 378687
 378698
 378699
 378901

Relinquished By: J. J. Dushek Date/Time: 1/14/20 1630
 Received by: [Signature] Date/Time: 1/15/2020 9:50

****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 customers may add return package(s) to their outbound shipments by having them ready for the driver as usual.

Take this parcel to any location of The UPS Store®, UPS Access Point™, UPS Drop Box, UPS

Quality Environmental Containers
800-255-3950 • 304-255-3900

QC

Signature: *[Signature]*
Date: 1-14-20

GUSTODY SEAL

UPS Access Point™
CVS STORE # 10172

UPS Access Point™
GOIN POSTAL MAIL

UPS Access Point™

Quality Environmental Containers
800-255-3950 • 304-255-3900

QC

Signature: *[Signature]*
Date: 1-14-20

GUSTODY SEAL

<p>40 LBS</p> <p>RS</p> <p>TOM DUSHEK TRC ENVIRONMENTAL 125 ROSECRAMS STREET WAUSAU WI 54401</p> <p>SHIP TO: SHIPPING DEPT 6083562760 CT LABS 1230 LANGE CT BARABOO WI 53913</p>	<p>1 OF 1</p> <p>WI 539 0-10</p>	<p>UPS GROUND</p> <p>TRACKING #: 1Z 1A3 77E 90 4225 4506</p>	<p></p> <p>BILLING: P/P DESC: Environmental Samples RETURN SERVICE</p> <p>XBL 20 01 16 NY45 20 CA 10/2019</p>
--	---	---	---

Ice Present Yes No

Temperature 2.1

Initials [Signature]

Date 1/15/2020 Time 9:50

Cooler # 5018

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...

800-255-3950 • 304-255-3900
 Quality Environmental Containers
 OREC
 Signature: *[Handwritten Signature]*
 DATE: 1-14-20
 MUSTODY SEAL

... (or an Authorized Shipping
 accepted at all UPS Drop Box locations. To find the closest drop box location, visit UPS
 Locator

800-255-3950 • 304-255-3900
 Quality Environmental Containers
 OREC
 Signature: *[Handwritten Signature]*
 DATE: 1-14-20
 SEAL

UPS Ac
 CVS ST
 102 CEI
 WAUSA

WAUSAU WI

5701 KIB MOUNTAIN DR
 WAUSAU WI

CT LABOR.
 1230 LANG
 BARABOO WI 539
 P: NORTH S.
 12Y - 600
 1Z1A377E904192
 WILAKS43UDC JAN 11

FOLD HERE

1 OF 1

40 LBS
RS

TOM DUSHK
 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 4192 5097

BILLING: P/P
 DESC: Environmental Samples
 RETURN SERVICE

X01.20.01.16 NW45.20.0A.10/2019

Ice Present Yes No

Temperature *[Handwritten]*

Initials *[Handwritten]*

Date 1/15/2020 Time 9:50 AM

Cooler # *[Handwritten]*

ANALYTICAL REPORT

TRC ENVIRONMENTAL
 BRUCE IVERSON
 708 HEARTLAND TRAIL
 MADISON, WI 53717

Project Name: WAULECO
 Project Phase: WAUSAU, WI
 Contract #: 2399
 Project #: 189597.0009
 Folder #: 150943
 Purchase Order #: 148661

Page 1 of 5
 Arrival Temperature: 3.1
 Report Date: 02/04/2020
 Date Received: 01/23/2020
 Reprint Date: 02/05/2020

CT LAB Sample#: 381507	Sample Description: W41	Sampled: 01/22/2020 1410
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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			01/23/2020 14:23	TMG	EPA 9056A
Total Sulfate	1.7	mg/L	0.80 *	2.5	1			01/23/2020 14:23	TMG	EPA 9056A
Total Organic Carbon	31	mg/L	0.40	1.3	1			01/24/2020 16:25	TMG	EPA 9060A
Metals Results										
Dissolved Iron	15300	ug/L	59	200	1	M		01/24/2020 11:56	NAH	EPA 6010C
Dissolved Manganese	18700	ug/L	2.2	7.3	1	M		01/24/2020 11:56	NAH	EPA 6010C
Organic Results										
TPH as Mineral Spirits	2300	ug/L	32	110	1		01/28/2020 09:00	01/31/2020 03:56	AJZ	EPA 8015
2,3,4,6-Tetrachlorophenol	39	ug/L	3.2	25	25		01/28/2020 10:00	01/29/2020 13:56	RPN	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	5.7	25	25		01/28/2020 10:00	01/29/2020 13:56	RPN	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	5.2	25	25		01/28/2020 10:00	01/29/2020 13:56	RPN	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	6.4	25	25		01/28/2020 10:00	01/29/2020 13:56	RPN	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	5.0	25	25		01/28/2020 10:00	01/29/2020 13:56	RPN	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	7.2	25	25		01/28/2020 10:00	01/29/2020 13:56	RPN	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#: 381507 Sample Description: W41

Sampled: 01/22/2020 1410

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,6-Dichlorophenol	<3.0	ug/L	5.2	25	25		01/28/2020 10:00	01/29/2020 13:56	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	5.9	25	25		01/28/2020 10:00	01/29/2020 13:56	RPN	EPA 8270D
2-Methylphenol	<3.0	ug/L	5.0	25	25		01/28/2020 10:00	01/29/2020 13:56	RPN	EPA 8270D
2-Nitrophenol	<3.0	ug/L	5.2	25	25		01/28/2020 10:00	01/29/2020 13:56	RPN	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	5.7	25	25		01/28/2020 10:00	01/29/2020 13:56	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	7.4	27	25		01/28/2020 10:00	01/29/2020 13:56	RPN	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	5.4	25	25		01/28/2020 10:00	01/29/2020 13:56	RPN	EPA 8270D
4-Nitrophenol	<3.0	ug/L	5.9	25	25		01/28/2020 10:00	01/29/2020 13:56	RPN	EPA 8270D
Pentachlorophenol	950	ug/L	12	42	25		01/28/2020 10:00	01/29/2020 13:56	RPN	EPA 8270D
Phenol	<3.0	ug/L	6.4	25	25		01/28/2020 10:00	01/29/2020 13:56	RPN	EPA 8270D

CT LAB Sample#: 381508 Sample Description: W41 DUP

Sampled: 01/22/2020 1410

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			01/23/2020 14:42	TMG	EPA 9056A
Total Sulfate	1.5	mg/L	0.80 *	2.5	1			01/23/2020 14:42	TMG	EPA 9056A
Total Organic Carbon	34	mg/L	0.40	1.3	1			01/24/2020 17:21	TMG	EPA 9060A
Metals Results										
Dissolved Iron	15300	ug/L	59	200	1			01/24/2020 12:28	NAH	EPA 6010C
Dissolved Manganese	19300	ug/L	2.2	7.3	1			01/24/2020 12:28	NAH	EPA 6010C
Organic Results										
TPH as Mineral Spirits	1500	ug/L	32	110	1		01/28/2020 09:00	01/31/2020 04:30	AJZ	EPA 8015

CT LAB Sample#: 381508 Sample Description: W41 DUP

Sampled: 01/22/2020 1410

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,3,4,6-Tetrachlorophenol	52	ug/L	3.2	24	25		01/28/2020 10:00	01/29/2020 16:26	RPN	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	5.6	24	25		01/28/2020 10:00	01/29/2020 16:26	RPN	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	5.1	24	25		01/28/2020 10:00	01/29/2020 16:26	RPN	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	6.3	24	25		01/28/2020 10:00	01/29/2020 16:26	RPN	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	4.9	24	25		01/28/2020 10:00	01/29/2020 16:26	RPN	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	7.0	24	25		01/28/2020 10:00	01/29/2020 16:26	RPN	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	5.1	24	25		01/28/2020 10:00	01/29/2020 16:26	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	5.8	24	25		01/28/2020 10:00	01/29/2020 16:26	RPN	EPA 8270D
2-Methylphenol	<3.0	ug/L	4.9	24	25		01/28/2020 10:00	01/29/2020 16:26	RPN	EPA 8270D
2-Nitrophenol	<3.0	ug/L	5.1	24	25		01/28/2020 10:00	01/29/2020 16:26	RPN	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	5.6	24	25		01/28/2020 10:00	01/29/2020 16:26	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	7.3	27	25		01/28/2020 10:00	01/29/2020 16:26	RPN	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	5.3	24	25		01/28/2020 10:00	01/29/2020 16:26	RPN	EPA 8270D
4-Nitrophenol	<3.0	ug/L	5.8	24	25		01/28/2020 10:00	01/29/2020 16:26	RPN	EPA 8270D
Pentachlorophenol	1100	ug/L	24	83	50		01/28/2020 10:00	01/29/2020 16:46	RPN	EPA 8270D
Phenol	<3.0	ug/L	6.3	24	25		01/28/2020 10:00	01/29/2020 16:26	RPN	EPA 8270D

CT LAB Sample#: 381509 Sample Description: W22

Sampled: 01/22/2020 1510

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	0.82	mg/L	0.12	0.40	1			01/23/2020 15:01	TMG	EPA 9056A
Total Sulfate	13	mg/L	0.80	2.5	1			01/23/2020 15:01	TMG	EPA 9056A
Total Organic Carbon	4.9	mg/L	0.40	1.3	1			01/24/2020 17:35	TMG	EPA 9060A

CT LAB Sample#: 381509 Sample Description: W22

Sampled: 01/22/2020 1510

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Iron	<59	ug/L	59	200	1			01/24/2020 12:36	NAH	EPA 6010C
Dissolved Manganese	1140	ug/L	2.2	7.3	1			01/24/2020 12:36	NAH	EPA 6010C
Organic Results										
TPH as Mineral Spirits	490	ug/L	32	110	1		01/28/2020 09:00	01/31/2020 05:04	AJZ	EPA 8015
2,3,4,6-Tetrachlorophenol	42	ug/L	3.2	24	25		01/28/2020 10:00	01/29/2020 14:57	RPN	EPA 8270D
2,4,5-Trichlorophenol	1.4	ug/L	0.22	0.97	1		01/28/2020 10:00	01/29/2020 13:13	RPN	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	0.20	0.97	1		01/28/2020 10:00	01/29/2020 13:13	RPN	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	0.25	0.97	1		01/28/2020 10:00	01/29/2020 13:13	RPN	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	0.19	0.97	1		01/28/2020 10:00	01/29/2020 13:13	RPN	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	0.28	0.97	1		01/28/2020 10:00	01/29/2020 13:13	RPN	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	0.20	0.97	1		01/28/2020 10:00	01/29/2020 13:13	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	0.23	0.97	1		01/28/2020 10:00	01/29/2020 13:13	RPN	EPA 8270D
2-Methylphenol	<3.0	ug/L	0.19	0.97	1		01/28/2020 10:00	01/29/2020 13:13	RPN	EPA 8270D
2-Nitrophenol	<3.0	ug/L	0.20	0.97	1		01/28/2020 10:00	01/29/2020 13:13	RPN	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	0.22	0.97	1		01/28/2020 10:00	01/29/2020 13:13	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	0.29	1.1	1		01/28/2020 10:00	01/29/2020 13:13	RPN	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	0.21	0.97	1		01/28/2020 10:00	01/29/2020 13:13	RPN	EPA 8270D
4-Nitrophenol	<3.0	ug/L	0.23	0.97	1		01/28/2020 10:00	01/29/2020 13:13	RPN	EPA 8270D
Pentachlorophenol	680	ug/L	12	41	25		01/28/2020 10:00	01/29/2020 14:57	RPN	EPA 8270D
Phenol	<3.0	ug/L	0.25	0.97	1		01/28/2020 10:00	01/29/2020 13:13	RPN	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.

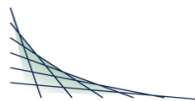
Submitted by: **Brett M. Szymanski**
 Project Manager
 608-356-2760

QC Qualifiers

Code	Description
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# ACC20190002
 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
 GA EPD Stipulation ID ACC20190002



ANALYTICAL REPORT

TRC ENVIRONMENTAL
 BRUCE IVERSON
 708 HEARTLAND TRAIL
 MADISON, WI 53717

Project Name: WAULECO
 Project Phase: WAUSAU, WI
 Contract #: 2399
 Project #: 189597.0009
 Folder #: 150977
 Purchase Order #: 148661

Page 1 of 3
 Arrival Temperature: 2.1
 Report Date: 02/04/2020
 Date Received: 01/24/2020
 Reprint Date: 02/05/2020

CT LAB Sample#: 381746	Sample Description: W27	Sampled: 01/23/2020 0920
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	6.6	mg/L	0.80	2.5	1			01/24/2020 17:20	TMG	EPA 9056A
Total Organic Carbon	9.8	mg/L	0.40	1.3	1			01/24/2020 17:47	TMG	EPA 9060A
Metals Results										
Dissolved Iron	4210	ug/L	59	200	1			01/24/2020 12:43	NAH	EPA 6010C
Dissolved Manganese	14800	ug/L	2.2	7.3	1			01/24/2020 12:43	NAH	EPA 6010C
Organic Results										
TPH as Mineral Spirits	2900	ug/L	32	110	1		01/28/2020 09:00	01/31/2020 05:37	AJZ	EPA 8015

CT LAB Sample#: 381749	Sample Description: W40R	Sampled: 01/23/2020 1050
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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			01/24/2020 17:39	TMG	EPA 9056A
Total Sulfate	9.5	mg/L	0.80	2.5	1			01/24/2020 17:39	TMG	EPA 9056A

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

CT LAB Sample#: 381749 Sample Description: W40R

Sampled: 01/23/2020 1050

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Total Organic Carbon	16	mg/L	0.40	1.3	1			01/24/2020 18:00	TMG	EPA 9060A
Metals Results										
Dissolved Iron	1220	ug/L	59	200	1			01/24/2020 12:49	NAH	EPA 6010C
Dissolved Manganese	5220	ug/L	2.2	7.3	1			01/24/2020 12:49	NAH	EPA 6010C
Organic Results										
TPH as Mineral Spirits	36000	ug/L	650	2200	20		01/28/2020 09:00	01/31/2020 09:33	AJZ	EPA 8015
2,3,4,6-Tetrachlorophenol	390	ug/L	13	98	100		01/28/2020 10:00	01/29/2020 14:37	RPN	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	23	98	100		01/28/2020 10:00	01/29/2020 14:37	RPN	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	21	98	100		01/28/2020 10:00	01/29/2020 14:37	RPN	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	25	98	100		01/28/2020 10:00	01/29/2020 14:37	RPN	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	20	98	100		01/28/2020 10:00	01/29/2020 14:37	RPN	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	28	98	100		01/28/2020 10:00	01/29/2020 14:37	RPN	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	21	98	100		01/28/2020 10:00	01/29/2020 14:37	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	24	98	100		01/28/2020 10:00	01/29/2020 14:37	RPN	EPA 8270D
2-Methylphenol	<3.0	ug/L	20	98	100		01/28/2020 10:00	01/29/2020 14:37	RPN	EPA 8270D
2-Nitrophenol	<3.0	ug/L	21	98	100		01/28/2020 10:00	01/29/2020 14:37	RPN	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	23	98	100		01/28/2020 10:00	01/29/2020 14:37	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	29	110	100		01/28/2020 10:00	01/29/2020 14:37	RPN	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	22	98	100		01/28/2020 10:00	01/29/2020 14:37	RPN	EPA 8270D
4-Nitrophenol	<3.0	ug/L	24	98	100		01/28/2020 10:00	01/29/2020 14:37	RPN	EPA 8270D
Pentachlorophenol	4400	ug/L	98	330	200		01/28/2020 10:00	01/29/2020 15:17	RPN	EPA 8270D
Phenol	<3.0	ug/L	25	98	100		01/28/2020 10:00	01/29/2020 14:37	RPN	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

Current CT Laboratories Certifications

Wisconsin (WDNR) Chemistry ID# 157066030
Wisconsin (DATCP) Bacteriology ID# 289
Louisiana NELAP (primary) ID# ACC20190002
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
GA EPD Stipulation ID ACC20190002

D2
July 2020

ANALYTICAL REPORT

TRC ENVIRONMENTAL
 BRUCE IVERSON
 708 HEARTLAND TRAIL
 MADISON, WI 53717

Project Name: WAULECO
 Project Phase: WAUSAU, WI
 Contract #: 2399
 Project #: 189597.0009
 Folder #: 154549
 Purchase Order #: 148661

Page 1 of 10
 Arrival Temperature: 5.4
 Report Date: 07/29/2020
 Date Received: 07/07/2020
 Reprint Date: 07/29/2020

CT LAB Sample#: 442074	Sample Description: W71	Sampled: 07/06/2020 0700
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
TPH as Mineral Spirits	<35	ug/L	35	120	1	Q	07/09/2020 08:45	07/13/2020 16:38	JJY	EPA 8015
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			07/13/2020 14:45	TMG	WDNR GRO
m & p-Xylene	<0.80	ug/L	0.80	2.8	1			07/13/2020 14:45	TMG	WDNR GRO
Naphthalene	<0.90	ug/L	0.90	2.9	1			07/13/2020 14:45	TMG	WDNR GRO
o-Xylene	<0.40	ug/L	0.40	1.4	1			07/13/2020 14:45	TMG	WDNR GRO
Pentachlorophenol	<3.0	ug/L	1.7	10	1		07/09/2020 08:45	07/13/2020 11:41	RPN	EPA 8270D

CT LAB Sample#: 442083	Sample Description: W72	Sampled: 07/06/2020 0750
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
TPH as Mineral Spirits	<34	ug/L	34	110	1	Q	07/09/2020 08:45	07/13/2020 17:13	JJY	EPA 8015
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			07/13/2020 15:20	TMG	WDNR GRO

CT LAB Sample#: 442083 Sample Description: W72 Sampled: 07/06/2020 0750

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
m & p-Xylene	<0.80	ug/L	0.80	2.8	1			07/13/2020 15:20	TMG	WDNR GRO
Naphthalene	<0.90	ug/L	0.90	2.9	1			07/13/2020 15:20	TMG	WDNR GRO
o-Xylene	<0.40	ug/L	0.40	1.4	1			07/13/2020 15:20	TMG	WDNR GRO
Pentachlorophenol	<3.0	ug/L	1.6	10	1		07/09/2020 08:45	07/13/2020 12:02	RPN	EPA 8270D

CT LAB Sample#: 442084 Sample Description: W8 Sampled: 07/06/2020 0840

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	3.7	mg/L	0.12	0.40	1			07/07/2020 16:42	TMG	EPA 9056A
Total Sulfate	18	mg/L	0.80	2.5	1			07/07/2020 16:42	TMG	EPA 9056A
Total Organic Carbon	1.5	mg/L	0.40	1.3	1			07/08/2020 12:18	KMT	EPA 9060A
Metals Results										
Dissolved Iron	<59	ug/L	59	200	1			07/09/2020 16:01	NAH	EPA 6010C
Dissolved Manganese	<2.2	ug/L	2.2	7.3	1			07/09/2020 16:01	NAH	EPA 6010C
Dissolved Mercury	<0.020	ug/L	0.020	0.066	1		07/13/2020 13:10	07/14/2020 10:20	MDS	EPA 7470A
Organic Results										
TPH as Mineral Spirits	<37	ug/L	37	120	1	Q	07/09/2020 08:45	07/13/2020 17:48	JJY	EPA 8015
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			07/13/2020 15:54	TMG	WDNR GRO
m & p-Xylene	<0.80	ug/L	0.80	2.8	1			07/13/2020 15:54	TMG	WDNR GRO
Naphthalene	<0.90	ug/L	0.90	2.9	1			07/13/2020 15:54	TMG	WDNR GRO
o-Xylene	<0.40	ug/L	0.40	1.4	1			07/13/2020 15:54	TMG	WDNR GRO
2,3,4,6-Tetrachlorophenol	<3.0	ug/L	2.2	11	1		07/09/2020 08:45	07/13/2020 12:23	RPN	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#: 442084 Sample Description: W8

Sampled: 07/06/2020 0840

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,4,5-Trichlorophenol	<3.0	ug/L	2.0	11	1		07/09/2020 08:45	07/13/2020 12:23	RPN	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	1.8	11	1		07/09/2020 08:45	07/13/2020 12:23	RPN	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	1.4	11	1		07/09/2020 08:45	07/13/2020 12:23	RPN	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	1.7	11	1		07/09/2020 08:45	07/13/2020 12:23	RPN	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	3.5	11	1		07/09/2020 08:45	07/13/2020 12:23	RPN	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	1.8	11	1		07/09/2020 08:45	07/13/2020 12:23	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	1.5	11	1		07/09/2020 08:45	07/13/2020 12:23	RPN	EPA 8270D
2-Methylphenol	<3.0	ug/L	1.6	11	1		07/09/2020 08:45	07/13/2020 12:23	RPN	EPA 8270D
2-Nitrophenol	<3.0	ug/L	1.4	11	1		07/09/2020 08:45	07/13/2020 12:23	RPN	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	3.7	19	1		07/09/2020 08:45	07/13/2020 12:23	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	1.4	11	1		07/09/2020 08:45	07/13/2020 12:23	RPN	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	1.4	11	1		07/09/2020 08:45	07/13/2020 12:23	RPN	EPA 8270D
4-Nitrophenol	<3.0	ug/L	2.2	11	1		07/09/2020 08:45	07/13/2020 12:23	RPN	EPA 8270D
Pentachlorophenol	<3.0	ug/L	1.7	11	1		07/09/2020 08:45	07/13/2020 12:23	RPN	EPA 8270D
Phenol	<3.0	ug/L	2.2	5.4	1		07/09/2020 08:45	07/13/2020 12:23	RPN	EPA 8270D

CT LAB Sample#: 442087 Sample Description: W32

Sampled: 07/06/2020 0945

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	0.20	mg/L	0.12 *	0.40	1			07/07/2020 17:00	TMG	EPA 9056A
Metals Results										
Dissolved Mercury	<0.020	ug/L	0.020	0.066	1		07/13/2020 13:10	07/14/2020 10:23	MDS	EPA 7470A

Organic 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#: 442087 Sample Description: W32

Sampled: 07/06/2020 0945

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
TPH as Mineral Spirits	<34	ug/L	34	110	1	Q	07/09/2020 08:45	07/13/2020 18:22	JJY	EPA 8015
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			07/13/2020 16:28	TMG	WDNR GRO
m & p-Xylene	<0.80	ug/L	0.80	2.8	1			07/13/2020 16:28	TMG	WDNR GRO
Naphthalene	<0.90	ug/L	0.90	2.9	1			07/13/2020 16:28	TMG	WDNR GRO
o-Xylene	<0.40	ug/L	0.40	1.4	1			07/13/2020 16:28	TMG	WDNR GRO
2,3,4,6-Tetrachlorophenol	<3.0	ug/L	2.1	10	1		07/09/2020 08:45	07/13/2020 12:43	RPN	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	2.0	10	1		07/09/2020 08:45	07/13/2020 12:43	RPN	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	1.8	10	1		07/09/2020 08:45	07/13/2020 12:43	RPN	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	1.4	10	1		07/09/2020 08:45	07/13/2020 12:43	RPN	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	1.7	10	1		07/09/2020 08:45	07/13/2020 12:43	RPN	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	3.4	10	1		07/09/2020 08:45	07/13/2020 12:43	RPN	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	1.8	10	1		07/09/2020 08:45	07/13/2020 12:43	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	1.5	10	1		07/09/2020 08:45	07/13/2020 12:43	RPN	EPA 8270D
2-Methylphenol	<3.0	ug/L	1.6	10	1		07/09/2020 08:45	07/13/2020 12:43	RPN	EPA 8270D
2-Nitrophenol	<3.0	ug/L	1.4	10	1		07/09/2020 08:45	07/13/2020 12:43	RPN	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	3.5	19	1		07/09/2020 08:45	07/13/2020 12:43	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	1.4	10	1		07/09/2020 08:45	07/13/2020 12:43	RPN	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	1.4	10	1		07/09/2020 08:45	07/13/2020 12:43	RPN	EPA 8270D
4-Nitrophenol	<3.0	ug/L	2.1	10	1		07/09/2020 08:45	07/13/2020 12:43	RPN	EPA 8270D
Pentachlorophenol	<3.0	ug/L	1.7	10	1		07/09/2020 08:45	07/13/2020 12:43	RPN	EPA 8270D
Phenol	<3.0	ug/L	2.1	5.2	1		07/09/2020 08:45	07/13/2020 12:43	RPN	EPA 8270D

CT LAB Sample#: 442088 Sample Description: W21

Sampled: 07/06/2020 1030

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	2.0	mg/L	0.12	0.40	1			07/07/2020 17:54	TMG	EPA 9056A
Metals Results										
Dissolved Mercury	<0.020	ug/L	0.020	0.066	1		07/13/2020 13:10	07/14/2020 10:27	MDS	EPA 7470A
Organic Results										
TPH as Mineral Spirits	<34	ug/L	34	110	1	Q	07/09/2020 08:45	07/13/2020 18:57	JJY	EPA 8015
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			07/13/2020 17:02	TMG	WDNR GRO
m & p-Xylene	<0.80	ug/L	0.80	2.8	1			07/13/2020 17:02	TMG	WDNR GRO
Naphthalene	<0.90	ug/L	0.90	2.9	1			07/13/2020 17:02	TMG	WDNR GRO
o-Xylene	<0.40	ug/L	0.40	1.4	1			07/13/2020 17:02	TMG	WDNR GRO
2,3,4,6-Tetrachlorophenol	<3.0	ug/L	2.1	10	1		07/09/2020 08:45	07/13/2020 13:04	RPN	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	2.0	10	1		07/09/2020 08:45	07/13/2020 13:04	RPN	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	1.8	10	1		07/09/2020 08:45	07/13/2020 13:04	RPN	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	1.4	10	1		07/09/2020 08:45	07/13/2020 13:04	RPN	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	1.7	10	1		07/09/2020 08:45	07/13/2020 13:04	RPN	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	3.4	10	1		07/09/2020 08:45	07/13/2020 13:04	RPN	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	1.8	10	1		07/09/2020 08:45	07/13/2020 13:04	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	1.5	10	1		07/09/2020 08:45	07/13/2020 13:04	RPN	EPA 8270D
2-Methylphenol	<3.0	ug/L	1.6	10	1		07/09/2020 08:45	07/13/2020 13:04	RPN	EPA 8270D
2-Nitrophenol	<3.0	ug/L	1.4	10	1		07/09/2020 08:45	07/13/2020 13:04	RPN	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	3.5	19	1		07/09/2020 08:45	07/13/2020 13:04	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	1.4	10	1		07/09/2020 08:45	07/13/2020 13:04	RPN	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	1.4	10	1		07/09/2020 08:45	07/13/2020 13:04	RPN	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#: 442088 Sample Description: W21 Sampled: 07/06/2020 1030

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
4-Nitrophenol	<3.0	ug/L	2.1	10	1		07/09/2020 08:45	07/13/2020 13:04	RPN	EPA 8270D
Pentachlorophenol	<3.0	ug/L	1.7	10	1		07/09/2020 08:45	07/13/2020 13:04	RPN	EPA 8270D
Phenol	<3.0	ug/L	2.1	5.2	1		07/09/2020 08:45	07/13/2020 13:04	RPN	EPA 8270D

CT LAB Sample#: 442089 Sample Description: W14 Sampled: 07/06/2020 1120

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	1.7	10	1		07/09/2020 08:45	07/13/2020 13:25	RPN	EPA 8270D
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CT LAB Sample#: 442090 Sample Description: W12 Sampled: 07/06/2020 1210

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Inorganic Results

Nitrate Nitrogen Total	5.7	mg/L	0.12	0.40	1			07/07/2020 18:12	TMG	EPA 9056A
Total Sulfate	17	mg/L	0.80	2.5	1			07/07/2020 18:12	TMG	EPA 9056A
Total Organic Carbon	2.0	mg/L	0.40	1.3	1			07/08/2020 12:33	KMT	EPA 9060A

Metals Results

Dissolved Iron	455	ug/L	59	200	1			07/09/2020 16:20	NAH	EPA 6010C
Dissolved Manganese	82.1	ug/L	2.2	7.3	1			07/09/2020 16:20	NAH	EPA 6010C
Dissolved Mercury	<0.020	ug/L	0.020	0.066	1		07/13/2020 13:10	07/14/2020 10:30	MDS	EPA 7470A

Organic Results

TPH as Mineral Spirits	<34	ug/L	34	110	1	Q	07/09/2020 08:45	07/13/2020 19:31	JJY	EPA 8015
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CT LAB Sample#: 442090 Sample Description: W12

Sampled: 07/06/2020 1210

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			07/13/2020 17:36	TMG	WDNR GRO
m & p-Xylene	<0.80	ug/L	0.80	2.8	1			07/13/2020 17:36	TMG	WDNR GRO
Naphthalene	<0.90	ug/L	0.90	2.9	1			07/13/2020 17:36	TMG	WDNR GRO
o-Xylene	<0.40	ug/L	0.40	1.4	1			07/13/2020 17:36	TMG	WDNR GRO
2,3,4,6-Tetrachlorophenol	<3.0	ug/L	2.1	10	1		07/09/2020 08:45	07/13/2020 13:46	RPN	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	2.0	10	1		07/09/2020 08:45	07/13/2020 13:46	RPN	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	1.8	10	1		07/09/2020 08:45	07/13/2020 13:46	RPN	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	1.4	10	1		07/09/2020 08:45	07/13/2020 13:46	RPN	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	1.7	10	1		07/09/2020 08:45	07/13/2020 13:46	RPN	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	3.4	10	1		07/09/2020 08:45	07/13/2020 13:46	RPN	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	1.8	10	1		07/09/2020 08:45	07/13/2020 13:46	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	1.5	10	1		07/09/2020 08:45	07/13/2020 13:46	RPN	EPA 8270D
2-Methylphenol	<3.0	ug/L	1.6	10	1		07/09/2020 08:45	07/13/2020 13:46	RPN	EPA 8270D
2-Nitrophenol	<3.0	ug/L	1.4	10	1		07/09/2020 08:45	07/13/2020 13:46	RPN	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	3.5	19	1		07/09/2020 08:45	07/13/2020 13:46	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	1.4	10	1		07/09/2020 08:45	07/13/2020 13:46	RPN	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	1.4	10	1		07/09/2020 08:45	07/13/2020 13:46	RPN	EPA 8270D
4-Nitrophenol	<3.0	ug/L	2.1	10	1		07/09/2020 08:45	07/13/2020 13:46	RPN	EPA 8270D
Pentachlorophenol	<3.0	ug/L	1.7	10	1		07/09/2020 08:45	07/13/2020 13:46	RPN	EPA 8270D
Phenol	<3.0	ug/L	2.1	5.2	1		07/09/2020 08:45	07/13/2020 13:46	RPN	EPA 8270D

CT LAB Sample#: 442091 Sample Description: W16

Sampled: 07/06/2020 1335

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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CT LAB Sample#: 442091 Sample Description: W16

Sampled: 07/06/2020 1335

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	4.7	mg/L	0.12	0.40	1			07/07/2020 18:30	TMG	EPA 9056A
Total Sulfate	17	mg/L	0.80	2.5	1			07/07/2020 18:30	TMG	EPA 9056A
Total Organic Carbon	1.3	mg/L	0.40	1.3	1			07/08/2020 12:48	KMT	EPA 9060A
Metals Results										
Dissolved Iron	<59	ug/L	59	200	1			07/09/2020 16:26	NAH	EPA 6010C
Dissolved Manganese	<2.2	ug/L	2.2	7.3	1			07/09/2020 16:26	NAH	EPA 6010C
Dissolved Mercury	<0.020	ug/L	0.020	0.066	1		07/13/2020 13:10	07/14/2020 10:33	MDS	EPA 7470A
Organic Results										
TPH as Mineral Spirits	<34	ug/L	34	110	1	Q	07/09/2020 08:45	07/13/2020 20:06	JJY	EPA 8015
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			07/13/2020 18:11	TMG	WDNR GRO
m & p-Xylene	<0.80	ug/L	0.80	2.8	1			07/13/2020 18:11	TMG	WDNR GRO
Naphthalene	<0.90	ug/L	0.90	2.9	1			07/13/2020 18:11	TMG	WDNR GRO
o-Xylene	<0.40	ug/L	0.40	1.4	1			07/13/2020 18:11	TMG	WDNR GRO
2,3,4,6-Tetrachlorophenol	<3.0	ug/L	2.1	10	1		07/09/2020 08:45	07/13/2020 14:07	RPN	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	2.0	10	1		07/09/2020 08:45	07/13/2020 14:07	RPN	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	1.8	10	1		07/09/2020 08:45	07/13/2020 14:07	RPN	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	1.4	10	1		07/09/2020 08:45	07/13/2020 14:07	RPN	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	1.7	10	1		07/09/2020 08:45	07/13/2020 14:07	RPN	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	3.4	10	1		07/09/2020 08:45	07/13/2020 14:07	RPN	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	1.8	10	1		07/09/2020 08:45	07/13/2020 14:07	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	1.5	10	1		07/09/2020 08:45	07/13/2020 14:07	RPN	EPA 8270D
2-Methylphenol	<3.0	ug/L	1.6	10	1		07/09/2020 08:45	07/13/2020 14:07	RPN	EPA 8270D
2-Nitrophenol	<3.0	ug/L	1.4	10	1		07/09/2020 08:45	07/13/2020 14:07	RPN	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#: 442091 Sample Description: W16

Sampled: 07/06/2020 1335

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
3 & 4-Methylphenol	<3.0	ug/L	3.5	19	1		07/09/2020 08:45	07/13/2020 14:07	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	1.4	10	1		07/09/2020 08:45	07/13/2020 14:07	RPN	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	1.4	10	1		07/09/2020 08:45	07/13/2020 14:07	RPN	EPA 8270D
4-Nitrophenol	<3.0	ug/L	2.1	10	1		07/09/2020 08:45	07/13/2020 14:07	RPN	EPA 8270D
Pentachlorophenol	<3.0	ug/L	1.7	10	1		07/09/2020 08:45	07/13/2020 14:07	RPN	EPA 8270D
Phenol	<3.0	ug/L	2.1	5.2	1		07/09/2020 08:45	07/13/2020 14:07	RPN	EPA 8270D

CT LAB Sample#: 442092 Sample Description: TRIP BLANK

Sampled: 07/06/2020 0800

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			07/13/2020 13:03	TMG	WDNR GRO
m & p-Xylene	<0.80	ug/L	0.80	2.8	1			07/13/2020 13:03	TMG	WDNR GRO
Naphthalene	<0.90	ug/L	0.90	2.9	1			07/13/2020 13:03	TMG	WDNR GRO
o-Xylene	<0.40	ug/L	0.40	1.4	1			07/13/2020 13:03	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

Code	Description
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# ACC20190002
 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
 GA EPD Stipulation ID ACC20190002

Company Name: TRC
 Project Contact: Bruce Iverson
 Telephone: 608-826-3644
 Project Name: Wauleco
 Project Number: 189597.0009
 Project Location: Wausau, WI
 Sampled By: Tom Dushek



Folder #: 154549
 Company: TRC ENVIRONMENTA
 Project: WAULECO
 Logged By: EKB PM: BM

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. 148661

Regulatory Program:
 UST RCRA SDWA NPDES
 Solid Waste Other _____

Ice Present Yes No
 Temperature Initials ells 3.9
 Date 7-7-20 Time 10:25
 Cooler # 6084

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	Filt'd Y/N
Date	Time					
7/6/20	0700			G	WT1	N
	0750				WT2	
	0840				W8	
	0945				W32	
	1030				W21	
	1120				W14	
	1210				W12	
	1335				W16	
	0800				Trip Blank	

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						6		
		2	1	3						6		
		2	1	3	1	1	✓	1	✓	9		
		2	1	3	1	1				8		
		2	1	3	1	1				8		
		2								2		
		2	1	3	1	1	✓	1	✓	9		
		2	1	3	1	1	✓	1	✓	9		
				1						1		
	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 #

Fill in Spaces with Bottles per Test

Report PCP only 442074
 ↓ ↓ ↓ 442083
 442084
 442087
 442088
 Report PCP only 442089
 442090
 442091
 442092

Relinquished By: S.J. Dushek Date/Time: 7/6/20 1600
 Received by: ells Date/Time: 7-7-2020 10:25

Relinquished By: ells Date/Time: 11:48
 Received by: ells Date/Time: 7-7-2020 10:25

****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
 708 HEARTLAND TRAIL
 MADISON, WI 53717

Project Name: WAULECO
 Project Phase: WAUSAU, WI
 Contract #: 2399
 Project #: 189597.0009
 Folder #: 154571
 Purchase Order #: 148661

Page 1 of 13
 Arrival Temperature: 2.2
 Report Date: 07/29/2020
 Date Received: 07/08/2020
 Reprint Date: 07/29/2020

CT LAB Sample#: 442342	Sample Description: W74	Sampled: 07/07/2020 0650
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
TPH as Mineral Spirits	<34	ug/L	34	110	1		07/14/2020 16:00	07/17/2020 05:58	AJZ	EPA 8015
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			07/13/2020 18:45	TMG	WDNR GRO
m & p-Xylene	<0.80	ug/L	0.80	2.8	1			07/13/2020 18:45	TMG	WDNR GRO
Naphthalene	<0.90	ug/L	0.90	2.9	1			07/13/2020 18:45	TMG	WDNR GRO
o-Xylene	<0.40	ug/L	0.40	1.4	1			07/13/2020 18:45	TMG	WDNR GRO
Pentachlorophenol	<3.0	ug/L	1.7	10	1		07/09/2020 08:45	07/13/2020 14:27	RPN	EPA 8270D

CT LAB Sample#: 442343	Sample Description: W73	Sampled: 07/07/2020 0735
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	19	mg/L	0.80	2.5	1			07/08/2020 13:58	TMG	EPA 9056A
Total Organic Carbon	2.5	mg/L	0.40	1.3	1			07/08/2020 16:11	KMT	EPA 9060A

CT LAB Sample#: 442343 Sample Description: W73

Sampled: 07/07/2020 0735

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Iron	<59	ug/L	59	200	1			07/09/2020 17:52	NAH	EPA 6010C
Dissolved Manganese	17.9	ug/L	2.2	7.3	1			07/09/2020 17:52	NAH	EPA 6010C
Dissolved Mercury	<0.020	ug/L	0.020	0.066	1		07/13/2020 13:10	07/14/2020 10:36	MDS	EPA 7470A
Organic Results										
TPH as Mineral Spirits	<34	ug/L	34	110	1		07/14/2020 16:00	07/17/2020 06:32	AJZ	EPA 8015
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			07/13/2020 19:19	TMG	WDNR GRO
m & p-Xylene	<0.80	ug/L	0.80	2.8	1			07/13/2020 19:19	TMG	WDNR GRO
Naphthalene	<0.90	ug/L	0.90	2.9	1			07/13/2020 19:19	TMG	WDNR GRO
o-Xylene	<0.40	ug/L	0.40	1.4	1			07/13/2020 19:19	TMG	WDNR GRO
Pentachlorophenol	<3.0	ug/L	1.6	10	1		07/09/2020 08:45	07/13/2020 14:48	RPN	EPA 8270D

CT LAB Sample#: 442344 Sample Description: W29R

Sampled: 07/07/2020 0830

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	1.9	mg/L	0.12	0.40	1			07/08/2020 14:16	TMG	EPA 9056A
Total Sulfate	22	mg/L	0.80	2.5	1			07/08/2020 14:16	TMG	EPA 9056A
Total Organic Carbon	5.6	mg/L	0.40	1.3	1			07/08/2020 16:23	KMT	EPA 9060A
Metals Results										
Dissolved Iron	<59	ug/L	59	200	1			07/09/2020 18:16	NAH	EPA 6010C
Dissolved Manganese	53.9	ug/L	2.2	7.3	1			07/09/2020 18:16	NAH	EPA 6010C
Dissolved Mercury	<0.020	ug/L	0.020	0.066	1		07/13/2020 13:10	07/14/2020 10:39	MDS	EPA 7470A

CT LAB Sample#: 442344 Sample Description: W29R

Sampled: 07/07/2020 0830

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
TPH as Mineral Spirits	120	ug/L	34	110	1		07/14/2020 16:00	07/17/2020 07:06	AJZ	EPA 8015
1,2,4-Trimethylbenzene	1.1	ug/L	0.40 *	1.3	1			07/13/2020 19:54	TMG	WDNR GRO
m & p-Xylene	<0.80	ug/L	0.80	2.8	1			07/13/2020 19:54	TMG	WDNR GRO
Naphthalene	<0.90	ug/L	0.90	2.9	1			07/13/2020 19:54	TMG	WDNR GRO
o-Xylene	<0.40	ug/L	0.40	1.4	1			07/13/2020 19:54	TMG	WDNR GRO
2,3,4,6-Tetrachlorophenol	240	ug/L	100 *	520	50		07/09/2020 08:45	07/13/2020 15:09	RPN	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	98	520	50		07/09/2020 08:45	07/13/2020 15:09	RPN	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	88	520	50		07/09/2020 08:45	07/13/2020 15:09	RPN	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	67	520	50		07/09/2020 08:45	07/13/2020 15:09	RPN	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	82	520	50		07/09/2020 08:45	07/13/2020 15:09	RPN	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	170	520	50		07/09/2020 08:45	07/13/2020 15:09	RPN	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	88	520	50		07/09/2020 08:45	07/13/2020 15:09	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	72	520	50		07/09/2020 08:45	07/13/2020 15:09	RPN	EPA 8270D
2-Methylphenol	<3.0	ug/L	77	520	50		07/09/2020 08:45	07/13/2020 15:09	RPN	EPA 8270D
2-Nitrophenol	<3.0	ug/L	67	520	50		07/09/2020 08:45	07/13/2020 15:09	RPN	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	180	930	50		07/09/2020 08:45	07/13/2020 15:09	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	67	520	50		07/09/2020 08:45	07/13/2020 15:09	RPN	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	67	520	50		07/09/2020 08:45	07/13/2020 15:09	RPN	EPA 8270D
4-Nitrophenol	<3.0	ug/L	100	520	50		07/09/2020 08:45	07/13/2020 15:09	RPN	EPA 8270D
Pentachlorophenol	1600	ug/L	82	520	50		07/09/2020 08:45	07/13/2020 15:09	RPN	EPA 8270D
Phenol	<3.0	ug/L	100	260	50		07/09/2020 08:45	07/13/2020 15:09	RPN	EPA 8270D

CT LAB Sample#: 442345 Sample Description: W11

Sampled: 07/07/2020 0925

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	1.2	mg/L	0.12	0.40	1			07/08/2020 14:34	TMG	EPA 9056A
Total Sulfate	14	mg/L	0.80	2.5	1			07/08/2020 14:34	TMG	EPA 9056A
Total Organic Carbon	1.5	mg/L	0.40	1.3	1			07/08/2020 16:35	KMT	EPA 9060A
Metals Results										
Dissolved Iron	<59	ug/L	59	200	1			07/09/2020 18:23	NAH	EPA 6010C
Dissolved Manganese	372	ug/L	2.2	7.3	1			07/09/2020 18:23	NAH	EPA 6010C
Dissolved Mercury	<0.020	ug/L	0.020	0.066	1		07/13/2020 13:10	07/14/2020 10:52	MDS	EPA 7470A
Organic Results										
TPH as Mineral Spirits	<34	ug/L	34	110	1		07/14/2020 16:00	07/17/2020 07:41	AJZ	EPA 8015
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			07/13/2020 20:28	TMG	WDNR GRO
m & p-Xylene	<0.80	ug/L	0.80	2.8	1			07/13/2020 20:28	TMG	WDNR GRO
Naphthalene	<0.90	ug/L	0.90	2.9	1			07/13/2020 20:28	TMG	WDNR GRO
o-Xylene	<0.40	ug/L	0.40	1.4	1			07/13/2020 20:28	TMG	WDNR GRO
2,3,4,6-Tetrachlorophenol	5.1	ug/L	2.1 *	10	1		07/09/2020 08:45	07/13/2020 15:30	RPN	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	2.0	10	1		07/09/2020 08:45	07/13/2020 15:30	RPN	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	1.8	10	1		07/09/2020 08:45	07/13/2020 15:30	RPN	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	1.3	10	1		07/09/2020 08:45	07/13/2020 15:30	RPN	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	1.6	10	1		07/09/2020 08:45	07/13/2020 15:30	RPN	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	3.4	10	1		07/09/2020 08:45	07/13/2020 15:30	RPN	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	1.8	10	1		07/09/2020 08:45	07/13/2020 15:30	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	1.4	10	1		07/09/2020 08:45	07/13/2020 15:30	RPN	EPA 8270D
2-Methylphenol	<3.0	ug/L	1.5	10	1		07/09/2020 08:45	07/13/2020 15:30	RPN	EPA 8270D

CT LAB Sample#: 442345 Sample Description: W11

Sampled: 07/07/2020 0925

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2-Nitrophenol	<3.0	ug/L	1.3	10	1		07/09/2020 08:45	07/13/2020 15:30	RPN	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	3.5	19	1		07/09/2020 08:45	07/13/2020 15:30	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	1.3	10	1		07/09/2020 08:45	07/13/2020 15:30	RPN	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	1.3	10	1		07/09/2020 08:45	07/13/2020 15:30	RPN	EPA 8270D
4-Nitrophenol	<3.0	ug/L	2.1	10	1		07/09/2020 08:45	07/13/2020 15:30	RPN	EPA 8270D
Pentachlorophenol	90	ug/L	6.6	41	4		07/09/2020 08:45	07/13/2020 16:12	RPN	EPA 8270D
Phenol	<3.0	ug/L	2.1	5.2	1		07/09/2020 08:45	07/13/2020 15:30	RPN	EPA 8270D

CT LAB Sample#: 442346 Sample Description: W18

Sampled: 07/07/2020 1010

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	1.1	mg/L	0.12	0.40	1			07/08/2020 14:52	TMG	EPA 9056A
Total Sulfate	6.8	mg/L	0.80	2.5	1			07/08/2020 14:52	TMG	EPA 9056A
Total Organic Carbon	0.85	mg/L	0.40 *	1.3	1			07/08/2020 16:49	KMT	EPA 9060A
Metals Results										
Dissolved Iron	<59	ug/L	59	200	1			07/09/2020 18:30	NAH	EPA 6010C
Dissolved Manganese	<2.2	ug/L	2.2	7.3	1			07/09/2020 18:30	NAH	EPA 6010C
Dissolved Mercury	<0.020	ug/L	0.020	0.066	1		07/13/2020 13:10	07/14/2020 10:55	MDS	EPA 7470A
Organic Results										
TPH as Mineral Spirits	<34	ug/L	34	110	1		07/14/2020 16:00	07/17/2020 01:58	AJZ	EPA 8015
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			07/13/2020 21:02	TMG	WDNR GRO
m & p-Xylene	<0.80	ug/L	0.80	2.8	1			07/13/2020 21:02	TMG	WDNR GRO

CT LAB Sample#: 442346 Sample Description: W18

Sampled: 07/07/2020 1010

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Naphthalene	<0.90	ug/L	0.90	2.9	1			07/13/2020 21:02	TMG	WDNR GRO
o-Xylene	<0.40	ug/L	0.40	1.4	1			07/13/2020 21:02	TMG	WDNR GRO
2,3,4,6-Tetrachlorophenol	<3.0	ug/L	2.1	10	1		07/09/2020 08:45	07/13/2020 15:51	RPN	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	2.0	10	1		07/09/2020 08:45	07/13/2020 15:51	RPN	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	1.8	10	1		07/09/2020 08:45	07/13/2020 15:51	RPN	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	1.3	10	1		07/09/2020 08:45	07/13/2020 15:51	RPN	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	1.6	10	1		07/09/2020 08:45	07/13/2020 15:51	RPN	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	3.4	10	1		07/09/2020 08:45	07/13/2020 15:51	RPN	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	1.8	10	1		07/09/2020 08:45	07/13/2020 15:51	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	1.4	10	1		07/09/2020 08:45	07/13/2020 15:51	RPN	EPA 8270D
2-Methylphenol	<3.0	ug/L	1.5	10	1		07/09/2020 08:45	07/13/2020 15:51	RPN	EPA 8270D
2-Nitrophenol	<3.0	ug/L	1.3	10	1		07/09/2020 08:45	07/13/2020 15:51	RPN	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	3.5	19	1		07/09/2020 08:45	07/13/2020 15:51	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	1.3	10	1		07/09/2020 08:45	07/13/2020 15:51	RPN	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	1.3	10	1		07/09/2020 08:45	07/13/2020 15:51	RPN	EPA 8270D
4-Nitrophenol	<3.0	ug/L	2.1	10	1		07/09/2020 08:45	07/13/2020 15:51	RPN	EPA 8270D
Pentachlorophenol	<3.0	ug/L	1.6	10	1		07/09/2020 08:45	07/13/2020 15:51	RPN	EPA 8270D
Phenol	<3.0	ug/L	2.1	5.2	1		07/09/2020 08:45	07/13/2020 15:51	RPN	EPA 8270D

CT LAB Sample#: 442347 Sample Description: W28

Sampled: 07/07/2020 1100

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	1.3	mg/L	0.12	0.40	1			07/08/2020 15:10	TMG	EPA 9056A

CT LAB Sample#: 442347 Sample Description: W28

Sampled: 07/07/2020 1100

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Total Sulfate	14	mg/L	0.80	2.5	1			07/08/2020 15:10	TMG	EPA 9056A
Total Organic Carbon	1.4	mg/L	0.40	1.3	1			07/08/2020 17:04	KMT	EPA 9060A
Metals Results										
Dissolved Iron	<59	ug/L	59	200	1			07/09/2020 18:37	NAH	EPA 6010C
Dissolved Manganese	<2.2	ug/L	2.2	7.3	1			07/09/2020 18:37	NAH	EPA 6010C
Dissolved Mercury	<0.020	ug/L	0.020	0.066	1		07/13/2020 13:10	07/14/2020 10:58	MDS	EPA 7470A
Organic Results										
TPH as Mineral Spirits	<34	ug/L	34	110	1		07/14/2020 16:00	07/17/2020 02:32	AJZ	EPA 8015
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			07/13/2020 21:36	TMG	WDNR GRO
m & p-Xylene	<0.80	ug/L	0.80	2.8	1			07/13/2020 21:36	TMG	WDNR GRO
Naphthalene	<0.90	ug/L	0.90	2.9	1			07/13/2020 21:36	TMG	WDNR GRO
o-Xylene	<0.40	ug/L	0.40	1.4	1			07/13/2020 21:36	TMG	WDNR GRO
2,3,4,6-Tetrachlorophenol	<3.0	ug/L	2.1	10	1		07/09/2020 08:45	07/13/2020 16:33	RPN	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	2.0	10	1		07/09/2020 08:45	07/13/2020 16:33	RPN	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	1.8	10	1		07/09/2020 08:45	07/13/2020 16:33	RPN	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	1.4	10	1		07/09/2020 08:45	07/13/2020 16:33	RPN	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	1.7	10	1		07/09/2020 08:45	07/13/2020 16:33	RPN	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	3.4	10	1		07/09/2020 08:45	07/13/2020 16:33	RPN	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	1.8	10	1		07/09/2020 08:45	07/13/2020 16:33	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	1.5	10	1		07/09/2020 08:45	07/13/2020 16:33	RPN	EPA 8270D
2-Methylphenol	<3.0	ug/L	1.6	10	1		07/09/2020 08:45	07/13/2020 16:33	RPN	EPA 8270D
2-Nitrophenol	<3.0	ug/L	1.4	10	1		07/09/2020 08:45	07/13/2020 16:33	RPN	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	3.5	19	1		07/09/2020 08:45	07/13/2020 16:33	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	1.4	10	1		07/09/2020 08:45	07/13/2020 16:33	RPN	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#: 442347 Sample Description: W28 Sampled: 07/07/2020 1100

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
4-Chloro-3-methylphenol	<3.0	ug/L	1.4	10	1		07/09/2020 08:45	07/13/2020 16:33	RPN	EPA 8270D
4-Nitrophenol	<3.0	ug/L	2.1	10	1		07/09/2020 08:45	07/13/2020 16:33	RPN	EPA 8270D
Pentachlorophenol	2.0	ug/L	1.7 *	10	1		07/09/2020 08:45	07/13/2020 16:33	RPN	EPA 8270D
Phenol	<3.0	ug/L	2.1	5.2	1		07/09/2020 08:45	07/13/2020 16:33	RPN	EPA 8270D

CT LAB Sample#: 442348 Sample Description: W25 Sampled: 07/07/2020 1145

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	5.9	mg/L	0.12	0.40	1			07/08/2020 15:28	TMG	EPA 9056A
Metals Results										
Dissolved Mercury	<0.020	ug/L	0.020	0.066	1		07/13/2020 13:10	07/14/2020 11:01	MDS	EPA 7470A
Organic Results										
TPH as Mineral Spirits	<34	ug/L	34	110	1		07/14/2020 16:00	07/17/2020 03:06	AJZ	EPA 8015
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			07/13/2020 22:10	TMG	WDNR GRO
m & p-Xylene	<0.80	ug/L	0.80	2.8	1			07/13/2020 22:10	TMG	WDNR GRO
Naphthalene	<0.90	ug/L	0.90	2.9	1			07/13/2020 22:10	TMG	WDNR GRO
o-Xylene	<0.40	ug/L	0.40	1.4	1			07/13/2020 22:10	TMG	WDNR GRO
2,3,4,6-Tetrachlorophenol	<3.0	ug/L	2.1	10	1		07/09/2020 08:45	07/13/2020 16:54	RPN	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	2.0	10	1		07/09/2020 08:45	07/13/2020 16:54	RPN	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	1.8	10	1		07/09/2020 08:45	07/13/2020 16:54	RPN	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	1.3	10	1		07/09/2020 08:45	07/13/2020 16:54	RPN	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	1.6	10	1		07/09/2020 08:45	07/13/2020 16:54	RPN	EPA 8270D

CT LAB Sample#: 442348 Sample Description: W25

Sampled: 07/07/2020 1145

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,4-Dinitrophenol	<3.0	ug/L	3.4	10	1		07/09/2020 08:45	07/13/2020 16:54	RPN	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	1.8	10	1		07/09/2020 08:45	07/13/2020 16:54	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	1.4	10	1		07/09/2020 08:45	07/13/2020 16:54	RPN	EPA 8270D
2-Methylphenol	<3.0	ug/L	1.5	10	1		07/09/2020 08:45	07/13/2020 16:54	RPN	EPA 8270D
2-Nitrophenol	<3.0	ug/L	1.3	10	1		07/09/2020 08:45	07/13/2020 16:54	RPN	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	3.5	19	1		07/09/2020 08:45	07/13/2020 16:54	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	1.3	10	1		07/09/2020 08:45	07/13/2020 16:54	RPN	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	1.3	10	1		07/09/2020 08:45	07/13/2020 16:54	RPN	EPA 8270D
4-Nitrophenol	<3.0	ug/L	2.1	10	1		07/09/2020 08:45	07/13/2020 16:54	RPN	EPA 8270D
Pentachlorophenol	3.5	ug/L	1.6 *	10	1		07/09/2020 08:45	07/13/2020 16:54	RPN	EPA 8270D
Phenol	<3.0	ug/L	2.1	5.2	1		07/09/2020 08:45	07/13/2020 16:54	RPN	EPA 8270D

CT LAB Sample#: 442350 Sample Description: W3B

Sampled: 07/07/2020 1330

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	3.0	mg/L	0.12	0.40	1			07/08/2020 15:46	TMG	EPA 9056A
Metals Results										
Dissolved Mercury	<0.020	ug/L	0.020	0.066	1		07/13/2020 13:10	07/14/2020 11:05	MDS	EPA 7470A
Organic Results										
TPH as Mineral Spirits	<34	ug/L	34	110	1		07/14/2020 16:00	07/17/2020 03:41	AJZ	EPA 8015
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			07/14/2020 02:09	TMG	WDNR GRO
m & p-Xylene	<0.80	ug/L	0.80	2.8	1			07/14/2020 02:09	TMG	WDNR GRO

CT LAB Sample#: 442350 Sample Description: W3B

Sampled: 07/07/2020 1330

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Naphthalene	<0.90	ug/L	0.90	2.9	1			07/14/2020 02:09	TMG	WDNR GRO
o-Xylene	<0.40	ug/L	0.40	1.4	1			07/14/2020 02:09	TMG	WDNR GRO
2,3,4,6-Tetrachlorophenol	<3.0	ug/L	2.1	10	1		07/09/2020 08:45	07/13/2020 17:15	RPN	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	2.0	10	1		07/09/2020 08:45	07/13/2020 17:15	RPN	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	1.8	10	1		07/09/2020 08:45	07/13/2020 17:15	RPN	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	1.4	10	1		07/09/2020 08:45	07/13/2020 17:15	RPN	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	1.7	10	1		07/09/2020 08:45	07/13/2020 17:15	RPN	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	3.4	10	1		07/09/2020 08:45	07/13/2020 17:15	RPN	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	1.8	10	1		07/09/2020 08:45	07/13/2020 17:15	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	1.5	10	1		07/09/2020 08:45	07/13/2020 17:15	RPN	EPA 8270D
2-Methylphenol	<3.0	ug/L	1.6	10	1		07/09/2020 08:45	07/13/2020 17:15	RPN	EPA 8270D
2-Nitrophenol	<3.0	ug/L	1.4	10	1		07/09/2020 08:45	07/13/2020 17:15	RPN	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	3.5	19	1		07/09/2020 08:45	07/13/2020 17:15	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	1.4	10	1		07/09/2020 08:45	07/13/2020 17:15	RPN	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	1.4	10	1		07/09/2020 08:45	07/13/2020 17:15	RPN	EPA 8270D
4-Nitrophenol	<3.0	ug/L	2.1	10	1		07/09/2020 08:45	07/13/2020 17:15	RPN	EPA 8270D
Pentachlorophenol	16	ug/L	1.7	10	1		07/09/2020 08:45	07/13/2020 17:15	RPN	EPA 8270D
Phenol	<3.0	ug/L	2.1	5.2	1		07/09/2020 08:45	07/13/2020 17:15	RPN	EPA 8270D

CT LAB Sample#: 442351 Sample Description: TRIP BLANK 02

Sampled: 07/07/2020 0700

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			07/13/2020 13:37	TMG	WDNR GRO

CT LAB Sample#: 442351 Sample Description: TRIP BLANK 02

Sampled: 07/07/2020 0700

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
m & p-Xylene	<0.80	ug/L	0.80	2.8	1			07/13/2020 13:37	TMG	WDNR GRO
Naphthalene	<0.90	ug/L	0.90	2.9	1			07/13/2020 13:37	TMG	WDNR GRO
o-Xylene	<0.40	ug/L	0.40	1.4	1			07/13/2020 13:37	TMG	WDNR GRO

CT LAB Sample#: 442352 Sample Description: W9

Sampled: 07/07/2020 1420

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	0.62	mg/L	0.12	0.40	1			07/08/2020 16:04	TMG	EPA 9056A
Metals Results										
Dissolved Mercury	<0.020	ug/L	0.020	0.066	1		07/13/2020 13:10	07/14/2020 11:08	MDS	EPA 7470A
Organic Results										
TPH as Mineral Spirits	<34	ug/L	34	110	1		07/14/2020 16:00	07/17/2020 05:24	AJZ	EPA 8015
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			07/14/2020 02:43	TMG	WDNR GRO
m & p-Xylene	<0.80	ug/L	0.80	2.8	1			07/14/2020 02:43	TMG	WDNR GRO
Naphthalene	<0.90	ug/L	0.90	2.9	1			07/14/2020 02:43	TMG	WDNR GRO
o-Xylene	<0.40	ug/L	0.40	1.4	1			07/14/2020 02:43	TMG	WDNR GRO
2,3,4,6-Tetrachlorophenol	<3.0	ug/L	2.1	11	1		07/09/2020 08:45	07/13/2020 17:35	RPN	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	2.0	11	1		07/09/2020 08:45	07/13/2020 17:35	RPN	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	1.8	11	1		07/09/2020 08:45	07/13/2020 17:35	RPN	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	1.4	11	1		07/09/2020 08:45	07/13/2020 17:35	RPN	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	1.7	11	1		07/09/2020 08:45	07/13/2020 17:35	RPN	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	3.5	11	1		07/09/2020 08:45	07/13/2020 17:35	RPN	EPA 8270D

CT LAB Sample#: 442352 Sample Description: W9

Sampled: 07/07/2020 1420

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,6-Dichlorophenol	<3.0	ug/L	1.8	11	1		07/09/2020 08:45	07/13/2020 17:35	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	1.5	11	1		07/09/2020 08:45	07/13/2020 17:35	RPN	EPA 8270D
2-Methylphenol	<3.0	ug/L	1.6	11	1		07/09/2020 08:45	07/13/2020 17:35	RPN	EPA 8270D
2-Nitrophenol	<3.0	ug/L	1.4	11	1		07/09/2020 08:45	07/13/2020 17:35	RPN	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	3.6	19	1		07/09/2020 08:45	07/13/2020 17:35	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	1.4	11	1		07/09/2020 08:45	07/13/2020 17:35	RPN	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	1.4	11	1		07/09/2020 08:45	07/13/2020 17:35	RPN	EPA 8270D
4-Nitrophenol	<3.0	ug/L	2.1	11	1		07/09/2020 08:45	07/13/2020 17:35	RPN	EPA 8270D
Pentachlorophenol	<3.0	ug/L	1.7	11	1		07/09/2020 08:45	07/13/2020 17:35	RPN	EPA 8270D
Phenol	<3.0	ug/L	2.1	5.3	1		07/09/2020 08:45	07/13/2020 17:35	RPN	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

Code	Description
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# ACC20190002
 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
 GA EPD Stipulation ID ACC20190002

Company Name: TRC
 Project Contact: Bruce Iverson
 Telephone: 608-826-3644
 Project Name: Wauleco
 Project Number: 189597.0009
 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 #: 154571
 Company: TRC ENVIRONMENTA
 Project: WAULECO
 Logged By: JLS PM, BM

1230 Lange Court, Baraboo, WI 53913
 608-356-2760 Tel. Fx 608-356-2766
 www.ctlaboratories.com

Ice Present Yes No

Temperature 22.2
 Initials JLS

Date 7/7/20 Time 0845
 Cooler # 6131, 6135, 5986

Invoice To: Accounts Payable
 Company: TRC
 Address:
 City/State/Zip:
 PO No. 148661

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	Filt'd Y/N
7/7/20	0650			G	W74	N
	0735				W73	
	0830				W29R	
	0925				W11	
	1010				W18	
	1100				W28	
	1145				W25	
	1330				W3B	
	0700				Trip Blank	

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						6		
		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		
		2	1	3	1	1				8		
		2	1	3	1	1				8		
				1						1		
		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 #

Report PCP Only
 ↓ ↓
 442342
 442343
 442344
 442345
 442346
 442347
 442348
 442350
 442351

Relinquished By: J. J. Dushek Date/Time: 7/7/20 1600
 Received by: JLS Date/Time: 7/8/20 1038

****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
 708 HEARTLAND TRAIL
 MADISON, WI 53717

Project Name: WAULECO
 Project Phase: WAUSAU, WI
 Contract #: 2399
 Project #: 189597.0009
 Folder #: 154626
 Purchase Order #: 148661

Page 1 of 11
 Arrival Temperature: 5.1
 Report Date: 07/29/2020
 Date Received: 07/09/2020
 Reprint Date: 07/29/2020

CT LAB Sample#: 443108	Sample Description: W1A	Sampled: 07/08/2020 0650
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	3.7	mg/L	0.12	0.40	1			07/09/2020 15:13	TMG	EPA 9056A
Metals Results										
Dissolved Mercury	<0.020	ug/L	0.020	0.066	1		07/13/2020 13:10	07/14/2020 11:11	MDS	EPA 7470A
Organic Results										
TPH as Mineral Spirits	41	ug/L	34 *	110	1		07/14/2020 16:00	07/16/2020 19:04	AJZ	EPA 8015
1,2,4-Trimethylbenzene	0.66	ug/L	0.40 *	1.3	1			07/14/2020 03:17	TMG	WDNR GRO
m & p-Xylene	<0.80	ug/L	0.80	2.8	1			07/14/2020 03:17	TMG	WDNR GRO
Naphthalene	<0.90	ug/L	0.90	2.9	1			07/14/2020 03:17	TMG	WDNR GRO
o-Xylene	<0.40	ug/L	0.40	1.4	1			07/14/2020 03:17	TMG	WDNR GRO
2,3,4,6-Tetrachlorophenol	<3.0	ug/L	2.1	10	1		07/15/2020 14:00	07/16/2020 12:20	RPN	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	2.0	10	1		07/15/2020 14:00	07/16/2020 12:20	RPN	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	1.8	10	1		07/15/2020 14:00	07/16/2020 12:20	RPN	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	1.3	10	1		07/15/2020 14:00	07/16/2020 12:20	RPN	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	1.6	10	1		07/15/2020 14:00	07/16/2020 12:20	RPN	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#: 443108 Sample Description: W1A

Sampled: 07/08/2020 0650

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,4-Dinitrophenol	<3.0	ug/L	3.4	10	1		07/15/2020 14:00	07/16/2020 12:20	RPN	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	1.8	10	1		07/15/2020 14:00	07/16/2020 12:20	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	1.4	10	1		07/15/2020 14:00	07/16/2020 12:20	RPN	EPA 8270D
2-Methylphenol	<3.0	ug/L	1.5	10	1		07/15/2020 14:00	07/16/2020 12:20	RPN	EPA 8270D
2-Nitrophenol	<3.0	ug/L	1.3	10	1		07/15/2020 14:00	07/16/2020 12:20	RPN	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	3.5	19	1		07/15/2020 14:00	07/16/2020 12:20	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	1.3	10	1		07/15/2020 14:00	07/16/2020 12:20	RPN	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	1.3	10	1		07/15/2020 14:00	07/16/2020 12:20	RPN	EPA 8270D
4-Nitrophenol	<3.0	ug/L	2.1	10	1		07/15/2020 14:00	07/16/2020 12:20	RPN	EPA 8270D
Pentachlorophenol	5.6	ug/L	1.6 *	10	1		07/15/2020 14:00	07/16/2020 12:20	RPN	EPA 8270D
Phenol	<3.0	ug/L	2.1	5.2	1		07/15/2020 14:00	07/16/2020 12:20	RPN	EPA 8270D

CT LAB Sample#: 443112 Sample Description: W36

Sampled: 07/08/2020 0735

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	6.4	mg/L	0.12	0.40	1			07/09/2020 15:31	TMG	EPA 9056A
Metals Results										
Dissolved Mercury	<0.020	ug/L	0.020	0.066	1		07/13/2020 13:10	07/14/2020 11:14	MDS	EPA 7470A
Organic Results										
TPH as Mineral Spirits	<34	ug/L	34	110	1		07/14/2020 16:00	07/16/2020 19:38	AJZ	EPA 8015
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			07/14/2020 03:52	TMG	WDNR GRO
m & p-Xylene	<0.80	ug/L	0.80	2.8	1			07/14/2020 03:52	TMG	WDNR GRO

CT LAB Sample#: 443112 Sample Description: W36

Sampled: 07/08/2020 0735

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Naphthalene	<0.90	ug/L	0.90	2.9	1			07/14/2020 03:52	TMG	WDNR GRO
o-Xylene	<0.40	ug/L	0.40	1.4	1			07/14/2020 03:52	TMG	WDNR GRO
2,3,4,6-Tetrachlorophenol	<3.0	ug/L	2.0	10	1		07/15/2020 14:00	07/16/2020 12:40	RPN	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	1.9	10	1		07/15/2020 14:00	07/16/2020 12:40	RPN	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	1.7	10	1		07/15/2020 14:00	07/16/2020 12:40	RPN	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	1.3	10	1		07/15/2020 14:00	07/16/2020 12:40	RPN	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	1.6	10	1		07/15/2020 14:00	07/16/2020 12:40	RPN	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	3.4	10	1		07/15/2020 14:00	07/16/2020 12:40	RPN	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	1.7	10	1		07/15/2020 14:00	07/16/2020 12:40	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	1.4	10	1		07/15/2020 14:00	07/16/2020 12:40	RPN	EPA 8270D
2-Methylphenol	<3.0	ug/L	1.5	10	1		07/15/2020 14:00	07/16/2020 12:40	RPN	EPA 8270D
2-Nitrophenol	<3.0	ug/L	1.3	10	1		07/15/2020 14:00	07/16/2020 12:40	RPN	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	3.5	18	1		07/15/2020 14:00	07/16/2020 12:40	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	1.3	10	1		07/15/2020 14:00	07/16/2020 12:40	RPN	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	1.3	10	1		07/15/2020 14:00	07/16/2020 12:40	RPN	EPA 8270D
4-Nitrophenol	<3.0	ug/L	2.0	10	1		07/15/2020 14:00	07/16/2020 12:40	RPN	EPA 8270D
Pentachlorophenol	7.0	ug/L	1.6 *	10	1		07/15/2020 14:00	07/16/2020 12:40	RPN	EPA 8270D
Phenol	<3.0	ug/L	2.0	5.1	1		07/15/2020 14:00	07/16/2020 12:40	RPN	EPA 8270D

CT LAB Sample#: 443116 Sample Description: W17

Sampled: 07/08/2020 0825

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	0.36	mg/L	0.12 *	0.40	1			07/09/2020 15:49	TMG	EPA 9056A

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

CT LAB Sample#: 443116 Sample Description: W17

Sampled: 07/08/2020 0825

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Total Sulfate	3.7	mg/L	0.80	2.5	1			07/09/2020 15:49	TMG	EPA 9056A
Total Organic Carbon	2.0	mg/L	0.40	1.3	1			07/10/2020 11:01	KMT	EPA 9060A
Metals Results										
Dissolved Iron	<59	ug/L	59	200	1			07/13/2020 15:28	NAH	EPA 6010C
Dissolved Manganese	648	ug/L	2.2	7.3	1	M		07/13/2020 15:28	NAH	EPA 6010C
Dissolved Mercury	<0.020	ug/L	0.020	0.066	1		07/13/2020 13:10	07/14/2020 11:17	MDS	EPA 7470A
Organic Results										
TPH as Mineral Spirits	360	ug/L	33	110	1		07/14/2020 16:00	07/16/2020 20:13	AJZ	EPA 8015
1,2,4-Trimethylbenzene	32	ug/L	0.40	1.3	1			07/14/2020 04:26	RLD	WDNR GRO
m & p-Xylene	<0.80	ug/L	0.80	2.8	1			07/14/2020 04:26	RLD	WDNR GRO
Naphthalene	1.9	ug/L	0.90 *	2.9	1			07/14/2020 04:26	RLD	WDNR GRO
o-Xylene	4.7	ug/L	0.40	1.4	1			07/14/2020 04:26	RLD	WDNR GRO
2,3,4,6-Tetrachlorophenol	<3.0	ug/L	4.1	21	2		07/15/2020 14:00	07/16/2020 13:22	RPN	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	3.9	21	2		07/15/2020 14:00	07/16/2020 13:22	RPN	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	3.5	21	2		07/15/2020 14:00	07/16/2020 13:22	RPN	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	2.7	21	2		07/15/2020 14:00	07/16/2020 13:22	RPN	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	3.3	21	2		07/15/2020 14:00	07/16/2020 13:22	RPN	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	6.8	21	2		07/15/2020 14:00	07/16/2020 13:22	RPN	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	3.5	21	2		07/15/2020 14:00	07/16/2020 13:22	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	2.9	21	2		07/15/2020 14:00	07/16/2020 13:22	RPN	EPA 8270D
2-Methylphenol	<3.0	ug/L	3.1	21	2		07/15/2020 14:00	07/16/2020 13:22	RPN	EPA 8270D
2-Nitrophenol	<3.0	ug/L	2.7	21	2		07/15/2020 14:00	07/16/2020 13:22	RPN	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	7.0	37	2		07/15/2020 14:00	07/16/2020 13:22	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	2.7	21	2		07/15/2020 14:00	07/16/2020 13:22	RPN	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#: 443116 Sample Description: W17

Sampled: 07/08/2020 0825

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
4-Chloro-3-methylphenol	<3.0	ug/L	2.7	21	2		07/15/2020 14:00	07/16/2020 13:22	RPN	EPA 8270D
4-Nitrophenol	<3.0	ug/L	4.1	21	2		07/15/2020 14:00	07/16/2020 13:22	RPN	EPA 8270D
Pentachlorophenol	17	ug/L	3.3 *	21	2		07/15/2020 14:00	07/16/2020 13:22	RPN	EPA 8270D
Phenol	<3.0	ug/L	4.1	10	2		07/15/2020 14:00	07/16/2020 13:22	RPN	EPA 8270D

CT LAB Sample#: 443119 Sample Description: W41

Sampled: 07/08/2020 0910

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	0.22	mg/L	0.12 *	0.40	1			07/09/2020 16:43	TMG	EPA 9056A
Total Sulfate	1.6	mg/L	0.80 *	2.5	1			07/09/2020 16:43	TMG	EPA 9056A
Total Organic Carbon	9.6	mg/L	0.40	1.3	1			07/10/2020 11:13	KMT	EPA 9060A
Metals Results										
Dissolved Iron	13700	ug/L	59	200	1			07/13/2020 16:06	NAH	EPA 6010C
Dissolved Manganese	15100	ug/L	2.2	7.3	1			07/13/2020 16:06	NAH	EPA 6010C
Dissolved Mercury	<0.020	ug/L	0.020	0.066	1		07/13/2020 13:10	07/14/2020 11:20	MDS	EPA 7470A
Organic Results										
TPH as Mineral Spirits	1100	ug/L	34	110	1		07/14/2020 16:00	07/16/2020 20:48	AJZ	EPA 8015
1,2,4-Trimethylbenzene	290	ug/L	4.0	13	10			07/14/2020 10:08	TMG	WDNR GRO
m & p-Xylene	2.5	ug/L	0.80 *	2.8	1			07/14/2020 05:00	RLD	WDNR GRO
Naphthalene	26	ug/L	0.90	2.9	1			07/14/2020 05:00	RLD	WDNR GRO
o-Xylene	31	ug/L	0.40	1.4	1			07/14/2020 05:00	RLD	WDNR GRO
2,3,4,6-Tetrachlorophenol	<3.0	ug/L	52	260	25		07/15/2020 14:00	07/16/2020 13:42	RPN	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#: 443119 Sample Description: W41

Sampled: 07/08/2020 0910

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,4,5-Trichlorophenol	<3.0	ug/L	49	260	25		07/15/2020 14:00	07/16/2020 13:42	RPN	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	44	260	25		07/15/2020 14:00	07/16/2020 13:42	RPN	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	34	260	25		07/15/2020 14:00	07/16/2020 13:42	RPN	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	41	260	25		07/15/2020 14:00	07/16/2020 13:42	RPN	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	85	260	25		07/15/2020 14:00	07/16/2020 13:42	RPN	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	44	260	25		07/15/2020 14:00	07/16/2020 13:42	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	36	260	25		07/15/2020 14:00	07/16/2020 13:42	RPN	EPA 8270D
2-Methylphenol	<3.0	ug/L	39	260	25		07/15/2020 14:00	07/16/2020 13:42	RPN	EPA 8270D
2-Nitrophenol	<3.0	ug/L	34	260	25		07/15/2020 14:00	07/16/2020 13:42	RPN	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	88	460	25		07/15/2020 14:00	07/16/2020 13:42	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	34	260	25		07/15/2020 14:00	07/16/2020 13:42	RPN	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	34	260	25		07/15/2020 14:00	07/16/2020 13:42	RPN	EPA 8270D
4-Nitrophenol	<3.0	ug/L	52	260	25		07/15/2020 14:00	07/16/2020 13:42	RPN	EPA 8270D
Pentachlorophenol	940	ug/L	41	260	25		07/15/2020 14:00	07/16/2020 13:42	RPN	EPA 8270D
Phenol	<3.0	ug/L	52	130	25		07/15/2020 14:00	07/16/2020 13:42	RPN	EPA 8270D

CT LAB Sample#: 443120 Sample Description: W3A

Sampled: 07/08/2020 1000

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	0.33	mg/L	0.12 *	0.40	1			07/09/2020 17:01	TMG	EPA 9056A
Total Sulfate	2.1	mg/L	0.80 *	2.5	1			07/09/2020 17:01	TMG	EPA 9056A
Total Organic Carbon	6.5	mg/L	0.40	1.3	1			07/10/2020 11:25	KMT	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#: 443120 Sample Description: W3A

Sampled: 07/08/2020 1000

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dissolved Iron	4590	ug/L	59	200	1			07/13/2020 16:13	NAH	EPA 6010C
Dissolved Manganese	3900	ug/L	2.2	7.3	1			07/13/2020 16:13	NAH	EPA 6010C
Dissolved Mercury	<0.020	ug/L	0.020	0.066	1		07/13/2020 13:10	07/14/2020 11:33	MDS	EPA 7470A
Organic Results										
TPH as Mineral Spirits	27000	ug/L	340	1100	10		07/14/2020 16:00	07/17/2020 08:15	AJZ	EPA 8015
1,2,4-Trimethylbenzene	500	ug/L	8.0	26	20			07/14/2020 11:51	TMG	WDNR GRO
m & p-Xylene	27	ug/L	0.80	2.8	1			07/14/2020 05:34	RLD	WDNR GRO
Naphthalene	43	ug/L	9.0	29	10			07/14/2020 10:42	TMG	WDNR GRO
o-Xylene	84	ug/L	4.0	14	10			07/14/2020 10:42	TMG	WDNR GRO
2,3,4,6-Tetrachlorophenol	47	ug/L	42 *	210	20		07/15/2020 14:00	07/16/2020 14:03	RPN	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	40	210	20		07/15/2020 14:00	07/16/2020 14:03	RPN	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	35	210	20		07/15/2020 14:00	07/16/2020 14:03	RPN	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	27	210	20		07/15/2020 14:00	07/16/2020 14:03	RPN	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	33	210	20		07/15/2020 14:00	07/16/2020 14:03	RPN	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	69	210	20		07/15/2020 14:00	07/16/2020 14:03	RPN	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	35	210	20		07/15/2020 14:00	07/16/2020 14:03	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	29	210	20		07/15/2020 14:00	07/16/2020 14:03	RPN	EPA 8270D
2-Methylphenol	<3.0	ug/L	31	210	20		07/15/2020 14:00	07/16/2020 14:03	RPN	EPA 8270D
2-Nitrophenol	<3.0	ug/L	27	210	20		07/15/2020 14:00	07/16/2020 14:03	RPN	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	71	380	20		07/15/2020 14:00	07/16/2020 14:03	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	27	210	20		07/15/2020 14:00	07/16/2020 14:03	RPN	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	27	210	20		07/15/2020 14:00	07/16/2020 14:03	RPN	EPA 8270D
4-Nitrophenol	<3.0	ug/L	42	210	20		07/15/2020 14:00	07/16/2020 14:03	RPN	EPA 8270D
Pentachlorophenol	900	ug/L	33	210	20		07/15/2020 14:00	07/16/2020 14:03	RPN	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#: 443120 Sample Description: W3A Sampled: 07/08/2020 1000

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Phenol	<3.0	ug/L	42	100	20		07/15/2020 14:00	07/16/2020 14:03	RPN	EPA 8270D

CT LAB Sample#: 443122 Sample Description: PW17 Sampled: 07/08/2020 1035

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Inorganic Results

Total Sulfate	17	mg/L	0.80	2.5	1		07/09/2020 17:19	07/10/2020 11:38	TMG	EPA 9056A
Total Organic Carbon	9.0	mg/L	0.40	1.3	1		07/09/2020 17:19	07/10/2020 11:38	KMT	EPA 9060A

Metals Results

Dissolved Iron	6190	ug/L	59	200	1		07/13/2020 16:20	07/13/2020 16:20	NAH	EPA 6010C
Dissolved Manganese	4770	ug/L	2.2	7.3	1		07/13/2020 16:20	07/13/2020 16:20	NAH	EPA 6010C

Organic Results

TPH as Mineral Spirits	2400	ug/L	34	110	1		07/14/2020 16:00	07/16/2020 21:57	AJZ	EPA 8015
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CT LAB Sample#: 443147 Sample Description: FP02 Sampled: 07/08/2020 1050

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Inorganic Results

Total Sulfate	2.4	mg/L	0.80 *	2.5	1		07/09/2020 17:37	07/10/2020 11:50	TMG	EPA 9056A
Total Organic Carbon	8.8	mg/L	0.40	1.3	1		07/09/2020 17:37	07/10/2020 11:50	KMT	EPA 9060A

Metals Results

Dissolved Iron	14700	ug/L	59	200	1		07/13/2020 16:26	07/13/2020 16:26	NAH	EPA 6010C
Dissolved Manganese	7780	ug/L	2.2	7.3	1		07/13/2020 16:26	07/13/2020 16:26	NAH	EPA 6010C

CT LAB Sample#: 443147 Sample Description: FP02 Sampled: 07/08/2020 1050

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
TPH as Mineral Spirits	2400	ug/L	34	110	1		07/14/2020 16:00	07/16/2020 22:31	AJZ	EPA 8015

CT LAB Sample#: 443148 Sample Description: W6R Sampled: 07/08/2020 1155

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	3.0	mg/L	0.12	0.40	1			07/09/2020 17:55	TMG	EPA 9056A
Total Sulfate	35	mg/L	0.80	2.5	1			07/09/2020 17:55	TMG	EPA 9056A
Total Organic Carbon	4.9	mg/L	0.40	1.3	1			07/10/2020 12:02	KMT	EPA 9060A
Metals Results										
Dissolved Iron	<59	ug/L	59	200	1			07/13/2020 16:33	NAH	EPA 6010C
Dissolved Manganese	53.7	ug/L	2.2	7.3	1			07/13/2020 16:33	NAH	EPA 6010C
Dissolved Mercury	<0.020	ug/L	0.020	0.066	1		07/13/2020 13:10	07/14/2020 11:36	MDS	EPA 7470A
Organic Results										
TPH as Mineral Spirits	110	ug/L	34	110	1		07/14/2020 16:00	07/16/2020 23:06	AJZ	EPA 8015
1,2,4-Trimethylbenzene	4.9	ug/L	0.40	1.3	1			07/14/2020 09:34	TMG	WDNR GRO
m & p-Xylene	<0.80	ug/L	0.80	2.8	1			07/14/2020 09:34	TMG	WDNR GRO
Naphthalene	<0.90	ug/L	0.90	2.9	1			07/14/2020 09:34	TMG	WDNR GRO
o-Xylene	2.0	ug/L	0.40	1.4	1			07/14/2020 09:34	TMG	WDNR GRO
2,3,4,6-Tetrachlorophenol	<3.0	ug/L	21	100	10		07/15/2020 14:00	07/16/2020 16:51	RPN	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	20	100	10		07/15/2020 14:00	07/16/2020 16:51	RPN	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	18	100	10		07/15/2020 14:00	07/16/2020 16:51	RPN	EPA 8270D

CT LAB Sample#: 443148 Sample Description: W6R

Sampled: 07/08/2020 1155

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,4-Dichlorophenol	<3.0	ug/L	14	100	10		07/15/2020 14:00	07/16/2020 16:51	RPN	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	17	100	10		07/15/2020 14:00	07/16/2020 16:51	RPN	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	34	100	10		07/15/2020 14:00	07/16/2020 16:51	RPN	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	18	100	10		07/15/2020 14:00	07/16/2020 16:51	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	15	100	10		07/15/2020 14:00	07/16/2020 16:51	RPN	EPA 8270D
2-Methylphenol	<3.0	ug/L	16	100	10		07/15/2020 14:00	07/16/2020 16:51	RPN	EPA 8270D
2-Nitrophenol	<3.0	ug/L	14	100	10		07/15/2020 14:00	07/16/2020 16:51	RPN	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	35	190	10		07/15/2020 14:00	07/16/2020 16:51	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	14	100	10		07/15/2020 14:00	07/16/2020 16:51	RPN	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	14	100	10		07/15/2020 14:00	07/16/2020 16:51	RPN	EPA 8270D
4-Nitrophenol	<3.0	ug/L	21	100	10		07/15/2020 14:00	07/16/2020 16:51	RPN	EPA 8270D
Pentachlorophenol	330	ug/L	17	100	10		07/15/2020 14:00	07/16/2020 16:51	RPN	EPA 8270D
Phenol	<3.0	ug/L	21	52	10		07/15/2020 14:00	07/16/2020 16:51	RPN	EPA 8270D

CT LAB Sample#: 443149 Sample Description: TRIP BLANK 03

Sampled: 07/08/2020 0700

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			07/13/2020 14:11	TMG	WDNR GRO
m & p-Xylene	<0.80	ug/L	0.80	2.8	1			07/13/2020 14:11	TMG	WDNR GRO
Naphthalene	<0.90	ug/L	0.90	2.9	1			07/13/2020 14:11	TMG	WDNR GRO
o-Xylene	<0.40	ug/L	0.40	1.4	1			07/13/2020 14:11	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

Code Description

- 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# ACC20190002
 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
 GA EPD Stipulation ID ACC20190002

Company Name: TRC
 Project Contact: Bruce Iverson
 Telephone: 608-826-3644
 Project Name: Wauleco
 Project Number: 189597.0009
 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 # 154626
 Company: TRC ENVIRONMENTA
 Project: WAULECO
 Logged By: JLS PM BM

Ice Present Yes No

Temperature 25.1
 Initials JLS

Date 7-9-2020 Time 0956

Cooler # 5895, 10369, 10477

Invoice To: Accounts Payable
 Company: TRC
 Address:
 City/State/Zip:
 PO No. 148661

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	Filt'd Y/N
Date	Time					
7/8/20	0650			G	W1A	N
	0735				W36	
	0825				W17	
	0910				W41	
	1000				W3A	
	1035				PW17	
	1050				FPO2	
	1155				W6R	
✓	0700			✓	Trip Blank 03	✓

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		
		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		
			1				1	1	1	4		
			1				1	1	1	4		
		2	1	3	1	1	✓	1	✓	9		
				1						1		
	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 #

443108
 443112
 443116
 443119
 443120
 443122
 443147
 443148
 443149

Relinquished By: <i>T. Dushek</i>	Date/Time 7/8/20 1530	Relinquished By:	Date/Time
Received by:	Date/Time	Received by: <i>JLS</i>	Date/Time 7/9/2020

****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
 708 HEARTLAND TRAIL
 MADISON, WI 53717

Project Name: WAULECO
 Project Phase: WAUSAU, WI
 Contract #: 2399
 Project #: 189597.0009
 Folder #: 154731
 Purchase Order #: 148661

Page 1 of 10
 Arrival Temperature: 4.0
 Report Date: 07/29/2020
 Date Received: 07/14/2020
 Reprint Date: 07/29/2020

CT LAB Sample#: 444723	Sample Description: W10B	Sampled: 07/13/2020 0750
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	0.63	mg/L	0.12	0.40	1			07/14/2020 16:29	TMG	EPA 9056A
Metals Results										
Dissolved Mercury	<0.020	ug/L	0.020	0.066	1		07/21/2020 14:25	07/22/2020 10:20	MDS	EPA 7470A
Organic Results										
TPH as Mineral Spirits	<34	ug/L	34	110	1		07/20/2020 08:45	07/23/2020 11:36	AJZ	EPA 8015
1,2,4-Trimethylbenzene	4.7	ug/L	0.40	1.3	1			07/21/2020 15:00	TMG	WDNR GRO
m & p-Xylene	<0.80	ug/L	0.80	2.8	1			07/21/2020 15:00	TMG	WDNR GRO
Naphthalene	<0.90	ug/L	0.90	2.9	1			07/21/2020 15:00	TMG	WDNR GRO
o-Xylene	<0.40	ug/L	0.40	1.4	1			07/21/2020 15:00	TMG	WDNR GRO
2,3,4,6-Tetrachlorophenol	<3.0	ug/L	2.1	11	1		07/20/2020 12:45	07/23/2020 11:11	RPN	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	2.0	11	1		07/20/2020 12:45	07/23/2020 11:11	RPN	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	1.8	11	1		07/20/2020 12:45	07/23/2020 11:11	RPN	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	1.4	11	1		07/20/2020 12:45	07/23/2020 11:11	RPN	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	1.7	11	1		07/20/2020 12:45	07/23/2020 11:11	RPN	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#: 444723 Sample Description: W10B Sampled: 07/13/2020 0750

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,4-Dinitrophenol	<3.0	ug/L	3.5	11	1		07/20/2020 12:45	07/23/2020 11:11	RPN	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	1.8	11	1		07/20/2020 12:45	07/23/2020 11:11	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	1.5	11	1		07/20/2020 12:45	07/23/2020 11:11	RPN	EPA 8270D
2-Methylphenol	<3.0	ug/L	1.6	11	1		07/20/2020 12:45	07/23/2020 11:11	RPN	EPA 8270D
2-Nitrophenol	<3.0	ug/L	1.4	11	1		07/20/2020 12:45	07/23/2020 11:11	RPN	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	3.6	19	1		07/20/2020 12:45	07/23/2020 11:11	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	1.4	11	1		07/20/2020 12:45	07/23/2020 11:11	RPN	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	1.4	11	1		07/20/2020 12:45	07/23/2020 11:11	RPN	EPA 8270D
4-Nitrophenol	<3.0	ug/L	2.1	11	1		07/20/2020 12:45	07/23/2020 11:11	RPN	EPA 8270D
Pentachlorophenol	5.2	ug/L	1.7 *	11	1		07/20/2020 12:45	07/23/2020 11:11	RPN	EPA 8270D
Phenol	<3.0	ug/L	2.1	5.3	1		07/20/2020 12:45	07/23/2020 11:11	RPN	EPA 8270D

CT LAB Sample#: 444724 Sample Description: W10A Sampled: 07/13/2020 0850

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	0.25	mg/L	0.12 *	0.40	1			07/14/2020 16:47	TMG	EPA 9056A
Total Sulfate	4.1	mg/L	0.80	2.5	1			07/14/2020 16:47	TMG	EPA 9056A
Total Organic Carbon	6.3	mg/L	0.40	1.3	1			07/21/2020 21:14	KMT	EPA 9060A
Metals Results										
Dissolved Iron	1860	ug/L	59	200	1			07/16/2020 01:44	NAH	EPA 6010C
Dissolved Manganese	4190	ug/L	2.2	7.3	1	M		07/16/2020 01:44	NAH	EPA 6010C
Dissolved Mercury	<0.020	ug/L	0.020	0.066	1		07/21/2020 14:25	07/22/2020 10:24	MDS	EPA 7470A

Organic 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#: 444724 Sample Description: W10A

Sampled: 07/13/2020 0850

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
TPH as Mineral Spirits	1900	ug/L	34	110	1		07/20/2020 08:45	07/23/2020 12:10	AJZ	EPA 8015
1,2,4-Trimethylbenzene	630	ug/L	8.0	26	20			07/21/2020 18:59	TMG	WDNR GRO
m & p-Xylene	<16	ug/L	16	56	20			07/21/2020 18:59	TMG	WDNR GRO
Naphthalene	<18	ug/L	18	58	20			07/21/2020 18:59	TMG	WDNR GRO
o-Xylene	68	ug/L	8.0	28	20			07/21/2020 18:59	TMG	WDNR GRO
2,3,4,6-Tetrachlorophenol	40	ug/L	21 *	110	10		07/20/2020 12:45	07/24/2020 18:17	RPN	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	20	110	10		07/20/2020 12:45	07/24/2020 18:17	RPN	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	18	110	10		07/20/2020 12:45	07/24/2020 18:17	RPN	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	14	110	10		07/20/2020 12:45	07/24/2020 18:17	RPN	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	17	110	10		07/20/2020 12:45	07/24/2020 18:17	RPN	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	35	110	10		07/20/2020 12:45	07/24/2020 18:17	RPN	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	18	110	10		07/20/2020 12:45	07/24/2020 18:17	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	15	110	10		07/20/2020 12:45	07/24/2020 18:17	RPN	EPA 8270D
2-Methylphenol	<3.0	ug/L	16	110	10		07/20/2020 12:45	07/24/2020 18:17	RPN	EPA 8270D
2-Nitrophenol	<3.0	ug/L	14	110	10		07/20/2020 12:45	07/24/2020 18:17	RPN	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	36	190	10		07/20/2020 12:45	07/24/2020 18:17	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	14	110	10		07/20/2020 12:45	07/24/2020 18:17	RPN	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	14	110	10		07/20/2020 12:45	07/24/2020 18:17	RPN	EPA 8270D
4-Nitrophenol	<3.0	ug/L	21	110	10		07/20/2020 12:45	07/24/2020 18:17	RPN	EPA 8270D
Pentachlorophenol	320	ug/L	17	110	10		07/20/2020 12:45	07/24/2020 18:17	RPN	EPA 8270D
Phenol	<3.0	ug/L	21	53	10		07/20/2020 12:45	07/24/2020 18:17	RPN	EPA 8270D

CT LAB Sample#: 444725 Sample Description: W10A DUP

Sampled: 07/13/2020 0850

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			07/14/2020 17:41	TMG	EPA 9056A
Total Sulfate	5.3	mg/L	0.80	2.5	1			07/14/2020 17:41	TMG	EPA 9056A
Total Organic Carbon	5.6	mg/L	0.40	1.3	1			07/21/2020 21:31	KMT	EPA 9060A
Metals Results										
Dissolved Iron	1900	ug/L	59	200	1			07/16/2020 02:04	NAH	EPA 6010C
Dissolved Manganese	4240	ug/L	2.2	7.3	1			07/16/2020 02:04	NAH	EPA 6010C
Dissolved Mercury	<0.020	ug/L	0.020	0.066	1		07/21/2020 14:25	07/22/2020 10:27	MDS	EPA 7470A
Organic Results										
TPH as Mineral Spirits	1900	ug/L	34	110	1		07/20/2020 08:45	07/23/2020 12:44	AJZ	EPA 8015
1,2,4-Trimethylbenzene	630	ug/L	8.0	26	20			07/21/2020 19:34	TMG	WDNR GRO
m & p-Xylene	<16	ug/L	16	56	20			07/21/2020 19:34	TMG	WDNR GRO
Naphthalene	<18	ug/L	18	58	20			07/21/2020 19:34	TMG	WDNR GRO
o-Xylene	68	ug/L	8.0	28	20			07/21/2020 19:34	TMG	WDNR GRO
2,3,4,6-Tetrachlorophenol	42	ug/L	21 *	100	10		07/20/2020 12:45	07/24/2020 18:38	RPN	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	20	100	10		07/20/2020 12:45	07/24/2020 18:38	RPN	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	18	100	10		07/20/2020 12:45	07/24/2020 18:38	RPN	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	14	100	10		07/20/2020 12:45	07/24/2020 18:38	RPN	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	17	100	10		07/20/2020 12:45	07/24/2020 18:38	RPN	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	34	100	10		07/20/2020 12:45	07/24/2020 18:38	RPN	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	18	100	10		07/20/2020 12:45	07/24/2020 18:38	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	15	100	10		07/20/2020 12:45	07/24/2020 18:38	RPN	EPA 8270D
2-Methylphenol	<3.0	ug/L	16	100	10		07/20/2020 12:45	07/24/2020 18:38	RPN	EPA 8270D

CT LAB Sample#: 444725 Sample Description: W10A DUP

Sampled: 07/13/2020 0850

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2-Nitrophenol	<3.0	ug/L	14	100	10		07/20/2020 12:45	07/24/2020 18:38	RPN	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	35	190	10		07/20/2020 12:45	07/24/2020 18:38	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	14	100	10		07/20/2020 12:45	07/24/2020 18:38	RPN	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	14	100	10		07/20/2020 12:45	07/24/2020 18:38	RPN	EPA 8270D
4-Nitrophenol	<3.0	ug/L	21	100	10		07/20/2020 12:45	07/24/2020 18:38	RPN	EPA 8270D
Pentachlorophenol	310	ug/L	17	100	10		07/20/2020 12:45	07/24/2020 18:38	RPN	EPA 8270D
Phenol	<3.0	ug/L	21	52	10		07/20/2020 12:45	07/24/2020 18:38	RPN	EPA 8270D

CT LAB Sample#: 444726 Sample Description: W13

Sampled: 07/13/2020 1010

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	1.1	mg/L	0.12	0.40	1			07/14/2020 17:59	TMG	EPA 9056A
Total Sulfate	23	mg/L	0.80	2.5	1			07/14/2020 17:59	TMG	EPA 9056A
Total Organic Carbon	1.5	mg/L	0.40	1.3	1			07/21/2020 21:42	KMT	EPA 9060A
Metals Results										
Dissolved Iron	<59	ug/L	59	200	1			07/16/2020 02:10	NAH	EPA 6010C
Dissolved Manganese	<2.2	ug/L	2.2	7.3	1			07/16/2020 02:10	NAH	EPA 6010C
Dissolved Mercury	<0.020	ug/L	0.020	0.066	1		07/21/2020 14:25	07/22/2020 10:30	MDS	EPA 7470A
Organic Results										
TPH as Mineral Spirits	<34	ug/L	34	110	1		07/20/2020 08:45	07/23/2020 13:18	AJZ	EPA 8015
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			07/21/2020 15:34	TMG	WDNR GRO
m & p-Xylene	<0.80	ug/L	0.80	2.8	1			07/21/2020 15:34	TMG	WDNR GRO

CT LAB Sample#: 444726 Sample Description: W13

Sampled: 07/13/2020 1010

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Naphthalene	<0.90	ug/L	0.90	2.9	1			07/21/2020 15:34	TMG	WDNR GRO
o-Xylene	<0.40	ug/L	0.40	1.4	1			07/21/2020 15:34	TMG	WDNR GRO
2,3,4,6-Tetrachlorophenol	<3.0	ug/L	2.1	10	1		07/20/2020 12:45	07/23/2020 11:32	RPN	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	2.0	10	1		07/20/2020 12:45	07/23/2020 11:32	RPN	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	1.8	10	1		07/20/2020 12:45	07/23/2020 11:32	RPN	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	1.4	10	1		07/20/2020 12:45	07/23/2020 11:32	RPN	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	1.7	10	1		07/20/2020 12:45	07/23/2020 11:32	RPN	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	3.4	10	1		07/20/2020 12:45	07/23/2020 11:32	RPN	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	1.8	10	1		07/20/2020 12:45	07/23/2020 11:32	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	1.5	10	1		07/20/2020 12:45	07/23/2020 11:32	RPN	EPA 8270D
2-Methylphenol	<3.0	ug/L	1.6	10	1		07/20/2020 12:45	07/23/2020 11:32	RPN	EPA 8270D
2-Nitrophenol	<3.0	ug/L	1.4	10	1		07/20/2020 12:45	07/23/2020 11:32	RPN	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	3.5	19	1		07/20/2020 12:45	07/23/2020 11:32	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	1.4	10	1		07/20/2020 12:45	07/23/2020 11:32	RPN	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	1.4	10	1		07/20/2020 12:45	07/23/2020 11:32	RPN	EPA 8270D
4-Nitrophenol	<3.0	ug/L	2.1	10	1		07/20/2020 12:45	07/23/2020 11:32	RPN	EPA 8270D
Pentachlorophenol	<3.0	ug/L	1.7	10	1		07/20/2020 12:45	07/23/2020 11:32	RPN	EPA 8270D
Phenol	<3.0	ug/L	2.1	5.2	1		07/20/2020 12:45	07/23/2020 11:32	RPN	EPA 8270D

CT LAB Sample#: 444727 Sample Description: DFOMW5

Sampled: 07/13/2020 1055

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
TPH as Mineral Spirits	61	ug/L	34 *	110	1		07/20/2020 08:45	07/23/2020 13:53	AJZ	EPA 8015

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

CT LAB Sample#: 444727 Sample Description: DFOMW5 Sampled: 07/13/2020 1055

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			07/21/2020 16:08	TMG	WDNR GRO
m & p-Xylene	<0.80	ug/L	0.80	2.8	1			07/21/2020 16:08	TMG	WDNR GRO
Naphthalene	1.3	ug/L	0.90 *	2.9	1			07/21/2020 16:08	TMG	WDNR GRO
o-Xylene	<0.40	ug/L	0.40	1.4	1			07/21/2020 16:08	TMG	WDNR GRO
Pentachlorophenol	<3.0	ug/L	1.7	10	1		07/20/2020 12:45	07/23/2020 11:52	RPN	EPA 8270D

CT LAB Sample#: 444728 Sample Description: DFOMW11 Sampled: 07/13/2020 1130

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
Pentachlorophenol	580	ug/L	33	210	20		07/20/2020 12:45	07/23/2020 18:43	RPN	EPA 8270D

CT LAB Sample#: 444730 Sample Description: DFOMW12 Sampled: 07/13/2020 1215

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
Pentachlorophenol	520	ug/L	32	200	20		07/20/2020 12:45	07/23/2020 18:22	RPN	EPA 8270D

CT LAB Sample#: 444731 Sample Description: DFOMW12 DUP Sampled: 07/13/2020 1215

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
Pentachlorophenol	450	ug/L	33	210	20		07/20/2020 12:45	07/23/2020 14:14	RPN	EPA 8270D

CT LAB Sample#: 444731 Sample Description: DFOMW12 DUP Sampled: 07/13/2020 1215

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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CT LAB Sample#: 444737 Sample Description: TRIP BLANK 04 Sampled: 07/13/2020 0810

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Organic Results

1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1		07/21/2020 12:43	12:43	TMG	WDNR GRO
m & p-Xylene	<0.80	ug/L	0.80	2.8	1		07/21/2020 12:43	12:43	TMG	WDNR GRO
Naphthalene	<0.90	ug/L	0.90	2.9	1		07/21/2020 12:43	12:43	TMG	WDNR GRO
o-Xylene	<0.40	ug/L	0.40	1.4	1		07/21/2020 12:43	12:43	TMG	WDNR GRO

CT LAB Sample#: 444738 Sample Description: W22 Sampled: 07/13/2020 1340

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Inorganic Results

Nitrate Nitrogen Total	1.9	mg/L	0.12	0.40	1		07/14/2020 18:18	18:18	TMG	EPA 9056A
Total Sulfate	14	mg/L	0.80	2.5	1		07/14/2020 18:18	18:18	TMG	EPA 9056A
Total Organic Carbon	5.6	mg/L	0.40	1.3	1		07/21/2020 22:00	22:00	KMT	EPA 9060A

Metals Results

Dissolved Iron	<59	ug/L	59	200	1		07/16/2020 02:17	02:17	NAH	EPA 6010C
Dissolved Manganese	610	ug/L	2.2	7.3	1		07/16/2020 02:17	02:17	NAH	EPA 6010C
Dissolved Mercury	<0.020	ug/L	0.020	0.066	1		07/21/2020 14:25	07/22/2020 10:33	MDS	EPA 7470A

Organic Results

TPH as Mineral Spirits	600	ug/L	34	110	1		07/20/2020 08:45	07/23/2020 14:27	AJZ	EPA 8015
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CT LAB Sample#: 444738 Sample Description: W22

Sampled: 07/13/2020 1340

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2,4-Trimethylbenzene	150	ug/L	2.0	6.5	5			07/23/2020 13:56	TMG	WDNR GRO
m & p-Xylene	8.2	ug/L	0.80	2.8	1			07/21/2020 16:43	TMG	WDNR GRO
Naphthalene	<0.90	ug/L	0.90	2.9	1			07/21/2020 16:43	TMG	WDNR GRO
o-Xylene	23	ug/L	0.40	1.4	1			07/21/2020 16:43	TMG	WDNR GRO
2,3,4,6-Tetrachlorophenol	<3.0	ug/L	100	510	50		07/20/2020 12:45	07/23/2020 13:54	RPN	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	97	510	50		07/20/2020 12:45	07/23/2020 13:54	RPN	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	87	510	50		07/20/2020 12:45	07/23/2020 13:54	RPN	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	66	510	50		07/20/2020 12:45	07/23/2020 13:54	RPN	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	82	510	50		07/20/2020 12:45	07/23/2020 13:54	RPN	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	170	510	50		07/20/2020 12:45	07/23/2020 13:54	RPN	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	87	510	50		07/20/2020 12:45	07/23/2020 13:54	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	71	510	50		07/20/2020 12:45	07/23/2020 13:54	RPN	EPA 8270D
2-Methylphenol	<3.0	ug/L	77	510	50		07/20/2020 12:45	07/23/2020 13:54	RPN	EPA 8270D
2-Nitrophenol	<3.0	ug/L	66	510	50		07/20/2020 12:45	07/23/2020 13:54	RPN	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	170	920	50		07/20/2020 12:45	07/23/2020 13:54	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	66	510	50		07/20/2020 12:45	07/23/2020 13:54	RPN	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	66	510	50		07/20/2020 12:45	07/23/2020 13:54	RPN	EPA 8270D
4-Nitrophenol	<3.0	ug/L	100	510	50		07/20/2020 12:45	07/23/2020 13:54	RPN	EPA 8270D
Pentachlorophenol	960	ug/L	82	510	50		07/20/2020 12:45	07/23/2020 13:54	RPN	EPA 8270D
Phenol	<3.0	ug/L	100	260	50		07/20/2020 12:45	07/23/2020 13:54	RPN	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

Code Description

- 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# ACC20190002
- 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
- GA EPD Stipulation ID ACC20190002

Company Name: TRC
 Project Contact: Bruce Iverson
 Telephone: 608-826-3644
 Project Name: Wauleco
 Project Number: 189597.0009
 Project Location: Wausau, WI
 Sampled By: Tom Dushek

CTLaboratories

Folder # 154731
 Company: TRC ENVIRONMENTA
 Project: WAULECO
 Logged By: JLS PM: BM

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. 148661

Regulatory Program:
 UST RCRA SDWA NPDES
 Solid Waste Other _____

Ice Present Yes No
 Temperature 24.0°
 Initials *jls for EKB*
 Date *7/14/2020* Time *1012*
 Cooler # *6258, 6571, 6493*

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	Filt'd Y/N
Date	Time					
<i>7/13/20</i>	<i>0750</i>			<i>G</i>	<i>W10B</i>	<i>N</i>
	<i>0850</i>				<i>W10A</i>	
	<i>0850</i>				<i>W10A Dup</i>	
	<i>1010</i>				<i>W13</i>	
	<i>1055</i>				<i>DFOMW5</i>	
	<i>1130</i>				<i>DFOMW11</i>	
	<i>1215</i>				<i>DFOMW12</i>	
	<i>1215</i>				<i>DFOMW12 Dup</i>	
<i>↓</i>	<i>0810</i>			<i>↓</i>	<i>Trip Blanks 04</i>	<i>↓</i>

W D N R 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		
		2	1	3	1	1	✓	1	✓	9		
		2	1	3	1	1	✓	1	✓	9		
		2	1	3	1	1	✓	1	✓	9		
		2	1	3						6		
		2								2		
		2								2		
		2								2		
				1						1		
		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 #

444726 444723
444724
444725
444726
Report + PCP only 444727
444728
444730
444731
444738 444737

Relinquished By: *J. Dushek* Date/Time: *7/13/20 1530*
 Received by: *MS* Date/Time: *1128 7-14-2020*

**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
 708 HEARTLAND TRAIL
 MADISON, WI 53717

Project Name: WAULECO
 Project Phase: WAUSAU, WI
 Contract #: 2399
 Project #: 189597.0009
 Folder #: 154773
 Purchase Order #: 148661

Page 1 of 9
 Arrival Temperature: 4.2
 Report Date: 07/29/2020
 Date Received: 07/15/2020
 Reprint Date: 07/30/2020

CT LAB Sample#: 445253	Sample Description: W2	Sampled: 07/14/2020 1030
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	1.4	mg/L	0.12	0.40	1			07/15/2020 14:18	TMG	EPA 9056A
Metals Results										
Dissolved Mercury	<0.020	ug/L	0.020	0.066	1		07/21/2020 14:25	07/22/2020 10:36	MDS	EPA 7470A
Organic Results										
TPH as Mineral Spirits	640	ug/L	34	110	1		07/20/2020 08:45	07/23/2020 15:01	AJZ	EPA 8015
1,2,4-Trimethylbenzene	210	ug/L	4.0	13	10			07/23/2020 14:30	TMG	WDNR GRO
m & p-Xylene	<8.0	ug/L	8.0	28	10			07/23/2020 14:30	TMG	WDNR GRO
Naphthalene	10	ug/L	9.0 *	29	10			07/23/2020 14:30	TMG	WDNR GRO
o-Xylene	13	ug/L	4.0 *	14	10			07/23/2020 14:30	TMG	WDNR GRO
2,3,4,6-Tetrachlorophenol	<3.0	ug/L	41	200	20		07/20/2020 12:45	07/23/2020 14:35	RPN	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	39	200	20		07/20/2020 12:45	07/23/2020 14:35	RPN	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	35	200	20		07/20/2020 12:45	07/23/2020 14:35	RPN	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	27	200	20		07/20/2020 12:45	07/23/2020 14:35	RPN	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	33	200	20		07/20/2020 12:45	07/23/2020 14:35	RPN	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#: 445253 Sample Description: W2

Sampled: 07/14/2020 1030

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,4-Dinitrophenol	<3.0	ug/L	67	200	20		07/20/2020 12:45	07/23/2020 14:35	RPN	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	35	200	20		07/20/2020 12:45	07/23/2020 14:35	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	29	200	20		07/20/2020 12:45	07/23/2020 14:35	RPN	EPA 8270D
2-Methylphenol	<3.0	ug/L	31	200	20		07/20/2020 12:45	07/23/2020 14:35	RPN	EPA 8270D
2-Nitrophenol	<3.0	ug/L	27	200	20		07/20/2020 12:45	07/23/2020 14:35	RPN	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	69	370	20		07/20/2020 12:45	07/23/2020 14:35	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	27	200	20		07/20/2020 12:45	07/23/2020 14:35	RPN	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	27	200	20		07/20/2020 12:45	07/23/2020 14:35	RPN	EPA 8270D
4-Nitrophenol	<3.0	ug/L	41	200	20		07/20/2020 12:45	07/23/2020 14:35	RPN	EPA 8270D
Pentachlorophenol	360	ug/L	33	200	20		07/20/2020 12:45	07/23/2020 14:35	RPN	EPA 8270D
Phenol	<3.0	ug/L	41	100	20		07/20/2020 12:45	07/23/2020 14:35	RPN	EPA 8270D

CT LAB Sample#: 445254 Sample Description: W2 DUP

Sampled: 07/14/2020 1030

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	1.4	mg/L	0.12	0.40	1			07/15/2020 14:36	TMG	EPA 9056A
Metals Results										
Dissolved Mercury	<0.020	ug/L	0.020	0.066	1		07/21/2020 14:25	07/22/2020 10:39	MDS	EPA 7470A
Organic Results										
TPH as Mineral Spirits	1100	ug/L	34	110	1		07/20/2020 08:45	07/23/2020 15:35	AJZ	EPA 8015
1,2,4-Trimethylbenzene	220	ug/L	4.0	13	10			07/23/2020 15:04	TMG	WDNR GRO
m & p-Xylene	<8.0	ug/L	8.0	28	10			07/23/2020 15:04	TMG	WDNR GRO

CT LAB Sample#: 445254 Sample Description: W2 DUP

Sampled: 07/14/2020 1030

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Naphthalene	<9.0	ug/L	9.0	29	10			07/23/2020 15:04	TMG	WDNR GRO
o-Xylene	10	ug/L	4.0 *	14	10			07/23/2020 15:04	TMG	WDNR GRO
2,3,4,6-Tetrachlorophenol	<3.0	ug/L	41	210	20		07/20/2020 12:45	07/23/2020 14:59	RPN	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	39	210	20		07/20/2020 12:45	07/23/2020 14:59	RPN	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	35	210	20		07/20/2020 12:45	07/23/2020 14:59	RPN	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	27	210	20		07/20/2020 12:45	07/23/2020 14:59	RPN	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	33	210	20		07/20/2020 12:45	07/23/2020 14:59	RPN	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	68	210	20		07/20/2020 12:45	07/23/2020 14:59	RPN	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	35	210	20		07/20/2020 12:45	07/23/2020 14:59	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	29	210	20		07/20/2020 12:45	07/23/2020 14:59	RPN	EPA 8270D
2-Methylphenol	<3.0	ug/L	31	210	20		07/20/2020 12:45	07/23/2020 14:59	RPN	EPA 8270D
2-Nitrophenol	<3.0	ug/L	27	210	20		07/20/2020 12:45	07/23/2020 14:59	RPN	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	70	370	20		07/20/2020 12:45	07/23/2020 14:59	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	27	210	20		07/20/2020 12:45	07/23/2020 14:59	RPN	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	27	210	20		07/20/2020 12:45	07/23/2020 14:59	RPN	EPA 8270D
4-Nitrophenol	<3.0	ug/L	41	210	20		07/20/2020 12:45	07/23/2020 14:59	RPN	EPA 8270D
Pentachlorophenol	330	ug/L	33	210	20		07/20/2020 12:45	07/23/2020 14:59	RPN	EPA 8270D
Phenol	<3.0	ug/L	41	100	20		07/20/2020 12:45	07/23/2020 14:59	RPN	EPA 8270D

CT LAB Sample#: 445255 Sample Description: W33

Sampled: 07/14/2020 1120

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	0.30	mg/L	0.12 *	0.40	1			07/15/2020 14:54	TMG	EPA 9056A

CT LAB Sample#: 445255 Sample Description: W33

Sampled: 07/14/2020 1120

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Total Sulfate	9.8	mg/L	0.80	2.5	1			07/15/2020 14:54	TMG	EPA 9056A
Total Organic Carbon	2.9	mg/L	0.40	1.3	1			07/21/2020 22:11	KMT	EPA 9060A
Metals Results										
Dissolved Iron	257	ug/L	59	200	1			07/16/2020 20:50	NAH	EPA 6010C
Dissolved Manganese	423	ug/L	2.2	7.3	1	M		07/16/2020 20:50	NAH	EPA 6010C
Dissolved Mercury	0.94	ug/L	0.020	0.066	1		07/21/2020 14:25	07/22/2020 10:43	MDS	EPA 7470A
Organic Results										
TPH as Mineral Spirits	440	ug/L	34	110	1		07/20/2020 08:45	07/23/2020 16:43	AJZ	EPA 8015
1,2,4-Trimethylbenzene	53	ug/L	0.80	2.6	2			07/23/2020 13:22	TMG	WDNR GRO
m & p-Xylene	1.7	ug/L	0.80 *	2.8	1			07/21/2020 17:17	TMG	WDNR GRO
Naphthalene	<0.90	ug/L	0.90	2.9	1			07/21/2020 17:17	TMG	WDNR GRO
o-Xylene	8.8	ug/L	0.40	1.4	1			07/21/2020 17:17	TMG	WDNR GRO
2,3,4,6-Tetrachlorophenol	260	ug/L	210 *	1000	100		07/20/2020 12:45	07/23/2020 15:19	RPN	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	200	1000	100		07/20/2020 12:45	07/23/2020 15:19	RPN	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	180	1000	100		07/20/2020 12:45	07/23/2020 15:19	RPN	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	130	1000	100		07/20/2020 12:45	07/23/2020 15:19	RPN	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	160	1000	100		07/20/2020 12:45	07/23/2020 15:19	RPN	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	340	1000	100		07/20/2020 12:45	07/23/2020 15:19	RPN	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	180	1000	100		07/20/2020 12:45	07/23/2020 15:19	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	140	1000	100		07/20/2020 12:45	07/23/2020 15:19	RPN	EPA 8270D
2-Methylphenol	<3.0	ug/L	150	1000	100		07/20/2020 12:45	07/23/2020 15:19	RPN	EPA 8270D
2-Nitrophenol	<3.0	ug/L	130	1000	100		07/20/2020 12:45	07/23/2020 15:19	RPN	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	350	1900	100		07/20/2020 12:45	07/23/2020 15:19	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	130	1000	100		07/20/2020 12:45	07/23/2020 15:19	RPN	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#: 445255 Sample Description: W33

Sampled: 07/14/2020 1120

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
4-Chloro-3-methylphenol	<3.0	ug/L	130	1000	100		07/20/2020 12:45	07/23/2020 15:19	RPN	EPA 8270D
4-Nitrophenol	<3.0	ug/L	210	1000	100		07/20/2020 12:45	07/23/2020 15:19	RPN	EPA 8270D
Pentachlorophenol	2400	ug/L	160	1000	100		07/20/2020 12:45	07/23/2020 15:19	RPN	EPA 8270D
Phenol	<3.0	ug/L	210	520	100		07/20/2020 12:45	07/23/2020 15:19	RPN	EPA 8270D

CT LAB Sample#: 445256 Sample Description: W26R

Sampled: 07/14/2020 1205

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	0.27	mg/L	0.12 *	0.40	1			07/15/2020 15:12	TMG	EPA 9056A
Total Sulfate	8.8	mg/L	0.80	2.5	1			07/15/2020 15:12	TMG	EPA 9056A
Total Organic Carbon	<0.40	mg/L	0.40	1.3	1			07/21/2020 22:31	KMT	EPA 9060A
Metals Results										
Dissolved Iron	<59	ug/L	59	200	1			07/16/2020 21:09	NAH	EPA 6010C
Dissolved Manganese	211	ug/L	2.2	7.3	1			07/16/2020 21:09	NAH	EPA 6010C
Dissolved Mercury	<0.020	ug/L	0.020	0.066	1		07/21/2020 14:25	07/22/2020 10:55	MDS	EPA 7470A
Organic Results										
TPH as Mineral Spirits	120	ug/L	34	110	1		07/20/2020 08:45	07/23/2020 17:16	AJZ	EPA 8015
1,2,4-Trimethylbenzene	2.2	ug/L	0.40	1.3	1			07/23/2020 12:48	TMG	WDNR GRO
m & p-Xylene	<0.80	ug/L	0.80	2.8	1			07/23/2020 12:48	TMG	WDNR GRO
Naphthalene	<0.90	ug/L	0.90	2.9	1			07/23/2020 12:48	TMG	WDNR GRO
o-Xylene	1.2	ug/L	0.40 *	1.4	1			07/23/2020 12:48	TMG	WDNR GRO
2,3,4,6-Tetrachlorophenol	43	ug/L	42 *	210	20		07/20/2020 12:45	07/24/2020 18:58	RPN	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#: 445256 Sample Description: W26R

Sampled: 07/14/2020 1205

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,4,5-Trichlorophenol	<3.0	ug/L	40	210	20		07/20/2020 12:45	07/24/2020 18:58	RPN	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	36	210	20		07/20/2020 12:45	07/24/2020 18:58	RPN	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	27	210	20		07/20/2020 12:45	07/24/2020 18:58	RPN	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	34	210	20		07/20/2020 12:45	07/24/2020 18:58	RPN	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	69	210	20		07/20/2020 12:45	07/24/2020 18:58	RPN	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	36	210	20		07/20/2020 12:45	07/24/2020 18:58	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	29	210	20		07/20/2020 12:45	07/24/2020 18:58	RPN	EPA 8270D
2-Methylphenol	<3.0	ug/L	32	210	20		07/20/2020 12:45	07/24/2020 18:58	RPN	EPA 8270D
2-Nitrophenol	<3.0	ug/L	27	210	20		07/20/2020 12:45	07/24/2020 18:58	RPN	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	72	380	20		07/20/2020 12:45	07/24/2020 18:58	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	27	210	20		07/20/2020 12:45	07/24/2020 18:58	RPN	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	27	210	20		07/20/2020 12:45	07/24/2020 18:58	RPN	EPA 8270D
4-Nitrophenol	<3.0	ug/L	42	210	20		07/20/2020 12:45	07/24/2020 18:58	RPN	EPA 8270D
Pentachlorophenol	720	ug/L	34	210	20		07/20/2020 12:45	07/24/2020 18:58	RPN	EPA 8270D
Phenol	<3.0	ug/L	42	110	20		07/20/2020 12:45	07/24/2020 18:58	RPN	EPA 8270D

CT LAB Sample#: 445257 Sample Description: BLANK 01

Sampled: 07/14/2020 1310

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			07/15/2020 15:31	TMG	EPA 9056A
Total Sulfate	<0.80	mg/L	0.80	2.5	1			07/15/2020 15:31	TMG	EPA 9056A
Total Organic Carbon	<0.40	mg/L	0.40	1.3	1			07/21/2020 23:27	KMT	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#: 445257 Sample Description: BLANK 01

Sampled: 07/14/2020 1310

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dissolved Iron	<59	ug/L	59	200	1			07/16/2020 21:16	NAH	EPA 6010C
Dissolved Manganese	<2.2	ug/L	2.2	7.3	1			07/16/2020 21:16	NAH	EPA 6010C
Dissolved Mercury	<0.020	ug/L	0.020	0.066	1		07/21/2020 14:25	07/22/2020 10:58	MDS	EPA 7470A
Organic Results										
TPH as Mineral Spirits	<34	ug/L	34	110	1		07/20/2020 08:45	07/23/2020 17:51	AJZ	EPA 8015
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			07/21/2020 14:26	TMG	WDNR GRO
m & p-Xylene	<0.80	ug/L	0.80	2.8	1			07/21/2020 14:26	TMG	WDNR GRO
Naphthalene	<0.90	ug/L	0.90	2.9	1			07/21/2020 14:26	TMG	WDNR GRO
o-Xylene	<0.40	ug/L	0.40	1.4	1			07/21/2020 14:26	TMG	WDNR GRO
2,3,4,6-Tetrachlorophenol	<3.0	ug/L	2.1	10	1		07/20/2020 12:45	07/23/2020 12:13	RPN	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	2.0	10	1		07/20/2020 12:45	07/23/2020 12:13	RPN	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	1.8	10	1		07/20/2020 12:45	07/23/2020 12:13	RPN	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	1.3	10	1		07/20/2020 12:45	07/23/2020 12:13	RPN	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	1.6	10	1		07/20/2020 12:45	07/23/2020 12:13	RPN	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	3.4	10	1		07/20/2020 12:45	07/23/2020 12:13	RPN	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	1.8	10	1		07/20/2020 12:45	07/23/2020 12:13	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	1.4	10	1		07/20/2020 12:45	07/23/2020 12:13	RPN	EPA 8270D
2-Methylphenol	<3.0	ug/L	1.5	10	1		07/20/2020 12:45	07/23/2020 12:13	RPN	EPA 8270D
2-Nitrophenol	<3.0	ug/L	1.3	10	1		07/20/2020 12:45	07/23/2020 12:13	RPN	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	3.5	19	1		07/20/2020 12:45	07/23/2020 12:13	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	1.3	10	1		07/20/2020 12:45	07/23/2020 12:13	RPN	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	1.3	10	1		07/20/2020 12:45	07/23/2020 12:13	RPN	EPA 8270D
4-Nitrophenol	<3.0	ug/L	2.1	10	1		07/20/2020 12:45	07/23/2020 12:13	RPN	EPA 8270D
Pentachlorophenol	<3.0	ug/L	1.6	10	1		07/20/2020 12:45	07/23/2020 12:13	RPN	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#: 445257 Sample Description: BLANK 01 Sampled: 07/14/2020 1310

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Phenol	<3.0	ug/L	2.1	5.2	1		07/20/2020 12:45	07/23/2020 12:13	RPN	EPA 8270D

CT LAB Sample#: 445258 Sample Description: TRIP BLANK 05 Sampled: 07/14/2020 1040

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Organic Results

1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1		07/21/2020 13:17	13:17	TMG	WDNR GRO
m & p-Xylene	<0.80	ug/L	0.80	2.8	1		07/21/2020 13:17	13:17	TMG	WDNR GRO
Naphthalene	<0.90	ug/L	0.90	2.9	1		07/21/2020 13:17	13:17	TMG	WDNR GRO
o-Xylene	<0.40	ug/L	0.40	1.4	1		07/21/2020 13:17	13:17	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

Code Description

- 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# ACC20190002
- 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
- GA EPD Stipulation ID ACC20190002

Company Name: TRC
 Project Contact: Bruce Iverson
 Telephone: 608-826-3644
 Project Name: Wauleco
 Project Number: 189597.0009
 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 #: 154773
 Company: TRC ENVIRONMENTA
 Project: WAULECO
 Logged By: MMB PM: BM

1230 Lange Court, Baraboo, WI 53913
 608-356-2760 Tel. Fx 608-356-2766
 www.ctlaboratories.com

Invoice To: Accounts Payable
 Company: TRC
 Address:
 City/State/Zip:
 PO No. 148661

Ice Present Yes No
 Temperature 4.2 ¹⁰³⁰
 Initials MB For JLS
 Date 7-15-2020 Time 1030
 Cooler # 6414, 6375

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	Fil'd Y/N
7/14/20	1030			G	W2	N
	1030				W2 Dup	
	1120				W33	
	1205				W26R	
	1310				Blank 01	
	1040				Trap Blank 05	

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		
		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		
				1						1		

Client Special Instructions:
 VOC's - Report only Naphthalene, xylenes, 1,2,4-trimethylbenzene. Metals are filtered.

Lab ID #

Fill in Spaces with Bottles per Test

Relinquished By: <i>S.J. Dushek</i>	Date/Time 7/14/20 1500	Relinquished By:	Date/Time
Received by:	Date/Time	Received by: <i>MB</i>	Date/Time 7-15-2020

****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
 708 HEARTLAND TRAIL
 MADISON, WI 53717

Project Name: WAULECO
 Project Phase: WAUSAU, WI
 Contract #: 2399
 Project #: 189597.0009
 Folder #: 154870
 Purchase Order #: 148661

Page 1 of 6
 Arrival Temperature: 3.0
 Report Date: 07/30/2020
 Date Received: 07/17/2020
 Reprint Date: 07/31/2020

CT LAB Sample#: 446655	Sample Description: W40R	Sampled: 07/16/2020 0800
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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			07/17/2020 14:05	TMG	EPA 9056A
Total Sulfate	8.8	mg/L	0.80	2.5	1			07/17/2020 14:05	TMG	EPA 9056A
Total Organic Carbon	5.5	mg/L	0.40	1.3	1			07/21/2020 23:45	KMT	EPA 9060A
Metals Results										
Dissolved Iron	374	ug/L	59	200	1			07/21/2020 13:01	NAH	EPA 6010C
Dissolved Manganese	4670	ug/L	2.2	7.3	1	M		07/21/2020 13:01	NAH	EPA 6010C
Dissolved Mercury	<0.020	ug/L	0.020	0.066	1		07/21/2020 14:25	07/22/2020 11:08	MDS	EPA 7470A
Organic Results										
TPH as Mineral Spirits	15000	ug/L	350	1200	10		07/20/2020 08:45	07/24/2020 10:07	AJZ	EPA 8015
1,2,4-Trimethylbenzene	460	ug/L	8.0	26	20			07/23/2020 16:13	TMG	WDNR GRO
m & p-Xylene	<16	ug/L	16	56	20			07/23/2020 16:13	TMG	WDNR GRO
Naphthalene	<18	ug/L	18	58	20			07/23/2020 16:13	TMG	WDNR GRO
o-Xylene	88	ug/L	8.0	28	20			07/23/2020 16:13	TMG	WDNR GRO
2,3,4,6-Tetrachlorophenol	280	ug/L	210 *	1000	100		07/20/2020 12:45	07/23/2020 16:00	RPN	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#: 446655 Sample Description: W40R Sampled: 07/16/2020 0800

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,4,5-Trichlorophenol	<3.0	ug/L	200	1000	100		07/20/2020 12:45	07/23/2020 16:00	RPN	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	180	1000	100		07/20/2020 12:45	07/23/2020 16:00	RPN	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	140	1000	100		07/20/2020 12:45	07/23/2020 16:00	RPN	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	170	1000	100		07/20/2020 12:45	07/23/2020 16:00	RPN	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	340	1000	100		07/20/2020 12:45	07/23/2020 16:00	RPN	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	180	1000	100		07/20/2020 12:45	07/23/2020 16:00	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	150	1000	100		07/20/2020 12:45	07/23/2020 16:00	RPN	EPA 8270D
2-Methylphenol	<3.0	ug/L	160	1000	100		07/20/2020 12:45	07/23/2020 16:00	RPN	EPA 8270D
2-Nitrophenol	<3.0	ug/L	140	1000	100		07/20/2020 12:45	07/23/2020 16:00	RPN	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	350	1900	100		07/20/2020 12:45	07/23/2020 16:00	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	140	1000	100		07/20/2020 12:45	07/23/2020 16:00	RPN	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	140	1000	100		07/20/2020 12:45	07/23/2020 16:00	RPN	EPA 8270D
4-Nitrophenol	<3.0	ug/L	210	1000	100		07/20/2020 12:45	07/23/2020 16:00	RPN	EPA 8270D
Pentachlorophenol	4300	ug/L	170	1000	100		07/20/2020 12:45	07/23/2020 16:00	RPN	EPA 8270D
Phenol	<3.0	ug/L	210	520	100		07/20/2020 12:45	07/23/2020 16:00	RPN	EPA 8270D

CT LAB Sample#: 446694 Sample Description: W40R DUP Sampled: 07/16/2020 0800

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			07/17/2020 14:23	TMG	EPA 9056A
Total Sulfate	8.6	mg/L	0.80	2.5	1			07/17/2020 14:23	TMG	EPA 9056A
Total Organic Carbon	3.1	mg/L	0.40	1.3	1			07/22/2020 00:06	KMT	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#: 446694 Sample Description: W40R DUP

Sampled: 07/16/2020 0800

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dissolved Iron	392	ug/L	59	200	1			07/21/2020 13:21	NAH	EPA 6010C
Dissolved Manganese	4670	ug/L	2.2	7.3	1			07/21/2020 13:21	NAH	EPA 6010C
Dissolved Mercury	<0.020	ug/L	0.020	0.066	1		07/21/2020 14:25	07/22/2020 11:11	MDS	EPA 7470A
Organic Results										
TPH as Mineral Spirits	19000	ug/L	330	1100	10		07/20/2020 08:45	07/24/2020 10:42	AJZ	EPA 8015
1,2,4-Trimethylbenzene	470	ug/L	8.0	26	20			07/23/2020 16:47	TMG	WDNR GRO
m & p-Xylene	<16	ug/L	16	56	20			07/23/2020 16:47	TMG	WDNR GRO
Naphthalene	53	ug/L	18 *	58	20			07/23/2020 16:47	TMG	WDNR GRO
o-Xylene	88	ug/L	8.0	28	20			07/23/2020 16:47	TMG	WDNR GRO
2,3,4,6-Tetrachlorophenol	290	ug/L	210 *	1000	100		07/20/2020 12:45	07/23/2020 16:20	RPN	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	200	1000	100		07/20/2020 12:45	07/23/2020 16:20	RPN	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	180	1000	100		07/20/2020 12:45	07/23/2020 16:20	RPN	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	140	1000	100		07/20/2020 12:45	07/23/2020 16:20	RPN	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	170	1000	100		07/20/2020 12:45	07/23/2020 16:20	RPN	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	340	1000	100		07/20/2020 12:45	07/23/2020 16:20	RPN	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	180	1000	100		07/20/2020 12:45	07/23/2020 16:20	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	150	1000	100		07/20/2020 12:45	07/23/2020 16:20	RPN	EPA 8270D
2-Methylphenol	<3.0	ug/L	160	1000	100		07/20/2020 12:45	07/23/2020 16:20	RPN	EPA 8270D
2-Nitrophenol	<3.0	ug/L	140	1000	100		07/20/2020 12:45	07/23/2020 16:20	RPN	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	350	1900	100		07/20/2020 12:45	07/23/2020 16:20	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	140	1000	100		07/20/2020 12:45	07/23/2020 16:20	RPN	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	140	1000	100		07/20/2020 12:45	07/23/2020 16:20	RPN	EPA 8270D
4-Nitrophenol	<3.0	ug/L	210	1000	100		07/20/2020 12:45	07/23/2020 16:20	RPN	EPA 8270D
Pentachlorophenol	4200	ug/L	170	1000	100		07/20/2020 12:45	07/23/2020 16:20	RPN	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#: 446694 Sample Description: W40R DUP Sampled: 07/16/2020 0800

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Phenol	<3.0	ug/L	210	520	100		07/20/2020 12:45	07/23/2020 16:20	RPN	EPA 8270D

CT LAB Sample#: 446695 Sample Description: W27 Sampled: 07/16/2020 0910

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	0.14	mg/L	0.12 *	0.40	1			07/17/2020 14:42	TMG	EPA 9056A
Total Sulfate	8.6	mg/L	0.80	2.5	1			07/17/2020 14:42	TMG	EPA 9056A
Total Organic Carbon	6.9	mg/L	0.40	1.3	1			07/22/2020 00:23	KMT	EPA 9060A
Metals Results										
Dissolved Iron	5040	ug/L	59	200	1			07/21/2020 13:28	NAH	EPA 6010C
Dissolved Manganese	18700	ug/L	2.2	7.3	1			07/21/2020 13:28	NAH	EPA 6010C
Dissolved Mercury	<0.020	ug/L	0.020	0.066	1		07/21/2020 14:25	07/22/2020 11:14	MDS	EPA 7470A
Organic Results										
TPH as Mineral Spirits	2000	ug/L	34	110	1		07/20/2020 08:45	07/23/2020 19:35	AJZ	EPA 8015
1,2,4-Trimethylbenzene	500	ug/L	8.0	26	20			07/23/2020 15:39	TMG	WDNR GRO
m & p-Xylene	24	ug/L	4.0	14	5			07/21/2020 17:51	TMG	WDNR GRO
Naphthalene	<4.5	ug/L	4.5	15	5			07/21/2020 17:51	TMG	WDNR GRO
o-Xylene	39	ug/L	2.0	7.0	5			07/21/2020 17:51	TMG	WDNR GRO
2,3,4,6-Tetrachlorophenol	<3.0	ug/L	420	2100	200		07/20/2020 12:45	07/23/2020 16:41	RPN	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	400	2100	200		07/20/2020 12:45	07/23/2020 16:41	RPN	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	350	2100	200		07/20/2020 12:45	07/23/2020 16:41	RPN	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	270	2100	200		07/20/2020 12:45	07/23/2020 16:41	RPN	EPA 8270D

CT LAB Sample#: 446695 Sample Description: W27

Sampled: 07/16/2020 0910

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,4-Dimethylphenol	<3.0	ug/L	330	2100	200		07/20/2020 12:45	07/23/2020 16:41	RPN	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	690	2100	200		07/20/2020 12:45	07/23/2020 16:41	RPN	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	350	2100	200		07/20/2020 12:45	07/23/2020 16:41	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	290	2100	200		07/20/2020 12:45	07/23/2020 16:41	RPN	EPA 8270D
2-Methylphenol	<3.0	ug/L	310	2100	200		07/20/2020 12:45	07/23/2020 16:41	RPN	EPA 8270D
2-Nitrophenol	<3.0	ug/L	270	2100	200		07/20/2020 12:45	07/23/2020 16:41	RPN	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	710	3800	200		07/20/2020 12:45	07/23/2020 16:41	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	270	2100	200		07/20/2020 12:45	07/23/2020 16:41	RPN	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	270	2100	200		07/20/2020 12:45	07/23/2020 16:41	RPN	EPA 8270D
4-Nitrophenol	<3.0	ug/L	420	2100	200		07/20/2020 12:45	07/23/2020 16:41	RPN	EPA 8270D
Pentachlorophenol	5600	ug/L	330	2100	200		07/20/2020 12:45	07/23/2020 16:41	RPN	EPA 8270D
Phenol	<3.0	ug/L	420	1000	200		07/20/2020 12:45	07/23/2020 16:41	RPN	EPA 8270D

CT LAB Sample#: 446696 Sample Description: TRIP BLANK 06

Sampled: 07/16/2020 0820

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			07/21/2020 13:52	TMG	WDNR GRO
m & p-Xylene	<0.80	ug/L	0.80	2.8	1			07/21/2020 13:52	TMG	WDNR GRO
Naphthalene	<0.90	ug/L	0.90	2.9	1			07/21/2020 13:52	TMG	WDNR GRO
o-Xylene	<0.40	ug/L	0.40	1.4	1			07/21/2020 13:52	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

Code Description

- 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# ACC20190002
 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
 GA EPD Stipulation ID ACC20190002

Company Name: TRC
 Project Contact: Bruce Iverson
 Telephone: 608-826-3644
 Project Name: Wauleco
 Project Number: 189597.0009
 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 #: 154870
 Company: TRC ENVIRONMENTA
 Project: WAULECO
 Logged By: MMB PM: BM

Ice Present Yes No

Temperature 3.0
 Initials MB
 Date 7-17-2020 Time 0934
 Cooler # 5651

Invoice To: Accounts Payable
 Company: TRC
 Address:
 City/State/Zip:
 PO No. 148661

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
7/16/20	0800			G	W40R	N
	0800				W40R Dup	
	0910				W27	
	0820				Trip Blank 06	

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		
		2	1	3	1	1	✓	1	✓	9		
				1						1		
			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 #

446655
 446694
 446696
 446696

Relinquished By: J. J. Dushek Date/Time: 7/16/20 1100
 Received by: MB Date/Time: 0956 7-17-2020

****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 _____

D3

October 2020

ANALYTICAL REPORT

TRC ENVIRONMENTAL
 BRUCE IVERSON
 708 HEARTLAND TRAIL
 MADISON, WI 53717

Project Name: WAULECO
 Project Phase:
 Contract #: 2399
 Project #: 189597.0009
 Folder #: 157008
 Purchase Order #: 148661

Page 1 of 4
 Arrival Temperature: 5.7
 Report Date: 10/19/2020
 Date Received: 10/06/2020
 Reprint Date: 10/19/2020

CT LAB Sample#: 483199 Sample Description: W32 Sampled: 10/05/2020 0810

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
Pentachlorophenol	<3.0	ug/L	1.6	10	1		10/12/2020 14:00	10/14/2020 17:29	JJY	EPA 8270D

CT LAB Sample#: 483204 Sample Description: W16 Sampled: 10/05/2020 0840

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
Pentachlorophenol	<3.0	ug/L	1.6	10	1		10/12/2020 14:00	10/14/2020 17:48	JJY	EPA 8270D

CT LAB Sample#: 483205 Sample Description: W14 Sampled: 10/05/2020 0930

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
Pentachlorophenol	<3.0	ug/L	1.5	9.6	1		10/12/2020 14:00	10/14/2020 18:07	JJY	EPA 8270D

CT LAB Sample#: 483206 Sample Description: W21 Sampled: 10/05/2020 0950

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	1.7	11	1		10/12/2020 14:00	10/14/2020 18:27	JJY	EPA 8270D
-------------------	------	------	-----	----	---	--	------------------	------------------	-----	-----------

CT LAB Sample#: 483207 Sample Description: W12 Sampled: 10/05/2020 1025

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
---------	--------	-------	-----	-----	----------	-----------	----------------	--------------------	---------	--------

Organic Results

Pentachlorophenol	<3.0	ug/L	1.6	10	1		10/12/2020 14:00	10/14/2020 18:46	JJY	EPA 8270D
-------------------	------	------	-----	----	---	--	------------------	------------------	-----	-----------

CT LAB Sample#: 483208 Sample Description: W11 Sampled: 10/05/2020 1050

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
---------	--------	-------	-----	-----	----------	-----------	----------------	--------------------	---------	--------

Organic Results

Pentachlorophenol	84	ug/L	3.3	20	2		10/12/2020 14:00	10/15/2020 13:47	JJY	EPA 8270D
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CT LAB Sample#: 483209 Sample Description: W26R Sampled: 10/05/2020 1125

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Organic Results

Pentachlorophenol	490	ug/L	33	200	20		10/12/2020 14:00	10/15/2020 14:06	JJY	EPA 8270D
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CT LAB Sample#: 483210 Sample Description: W26R DUP Sampled: 10/05/2020 1125

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Organic Results

Pentachlorophenol	500	ug/L	31	190	20		10/12/2020 14:00	10/15/2020 14:25	JJY	EPA 8270D
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CT LAB Sample#: 483211 Sample Description: W22 Sampled: 10/05/2020 1155

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
---------	--------	-------	-----	-----	----------	-----------	----------------	--------------------	---------	--------

Organic Results

Pentachlorophenol	690	ug/L	34	210	20		10/12/2020 14:00	10/15/2020 15:41	JJY	EPA 8270D
-------------------	-----	------	----	-----	----	--	------------------	------------------	-----	-----------

CT LAB Sample#: 483212 Sample Description: W29R Sampled: 10/05/2020 1305

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
---------	--------	-------	-----	-----	----------	-----------	----------------	--------------------	---------	--------

Organic Results

Pentachlorophenol	33	ug/L	1.7	10	1		10/12/2020 14:00	10/15/2020 15:02	JJY	EPA 8270D
-------------------	----	------	-----	----	---	--	------------------	------------------	-----	-----------

CT LAB Sample#: 483213 Sample Description: W27 Sampled: 10/05/2020 1335

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
---------	--------	-------	-----	-----	----------	-----------	----------------	--------------------	---------	--------

Organic Results

Pentachlorophenol	2400	ug/L	170	1000	100		10/12/2020 14:00	10/15/2020 15:22	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

Current CT Laboratories Certifications

Wisconsin (WDNR) Chemistry ID# 157066030
Wisconsin (DATCP) Bacteriology ID# 289
Louisiana NELAP (primary) ID# ACC20190002
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
GA EPD Stipulation ID ACC20190002

Company Name: TRC
 Project Contact: Bruce Iverson
 Telephone:
 Project Name: Wauleco
 Project Number: 189597.0009
 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 #: 157008
 Company: TRC ENVIRONMENTA
 Project: WAULECO
 Logged By: ERC PM: BM

1230 Lange Court, Baraboo, WI 53913
 608-356-2760 Tel. Fx 608-356-2766
 www.ctlaboratories.com

Invoice To: Accounts Payable
 Company: TRC
 Address:
 City/State/Zip:
 PO No. 148661

Ice Present Yes No

Temperature 5.7 10/16/20

Initials ERC

Date 10/16/20 Time 0842

Cooler # 6417, 6206

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	Filt'd Y/N
-----------------	------	--------------	----------	-----------	-----------------------	------------

10/5/20	0810			G	W32	N
	0840				W16	
	0930				W14	
	0950				W21	
	1025				W12	
	1050				W11	
	1125				W24R	
	1125				W24R Dup	
✓	1155			✓	W22	✓

WDNR Well ID #	**Matrix:	Pentachloroethenol (8270)									Total No of Containers	Total No of Cont. Rec'd	Preservation*

Client Special Instructions:
 Report only
 PCP

Lab ID #
483199
483204
483205
483216
483207
483208
483209
483210
483211

Fill in Spaces with Bottles per Test

Relinquished By: T. J. Dushek Date/Time: 10/5/20 1530
 Received by: ERC Date/Time: 10/16/20 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 _____

Cooler Receipt Form

Ice Present YES NO

Observed Temperature 3.8

Actual Temperature 4.1

IR Gun # 27

Initials LRC

Date 10/6/20 Time 0942

Cooler #: ~~6206~~ 6417

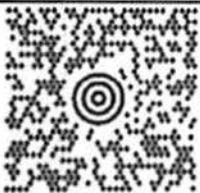



ur privacy practices.

CUSTODY SEAL
DATE 10-5-20
SIGNATURE [Signature]

QEC
Quality Environmental Containers
800-255-3950 • 304-255-3900

CUSTODY SEAL
DATE 10-5-20
SIGNATURE [Signature]

QEC
Quality Environmental Containers
800-255-3950 • 304-255-3900

TOM DUSKEK TRC WAULECO 125 ROSECRANS ST WAUSAU WI 54401	50 LBS	1 OF 1
RS		
SHIP TO: JODI SERSTAD 6083562760 CT LABS 1230 LANGE CT BARABOO WI 53913		
	WI 539 0-10	
		
UPS GROUND		
TRACKING #: 1Z 1A3 77E 90 9441 6449		
		
BILLING: P/P DESC: environmental Samples RETURN SERVICE		
		

Cooler Receipt Form

Ice Present (YES) NO
Observed Temperature 5.3
Actual Temperature 5.6
IR Gun # 27
Initials lcc
Date 10/6/20 Time 0942
Cooler #: 6206

ices.

GUSTODY SEAL
DATE 10-5-20
SIGNATURE [Signature]

QEC
Quality Environmental Containers
800-255-3950 • 304-255-3900

GUSTODY SEAL
DATE 10-5-20
SIGNATURE [Signature]

QEC
Quality Environmental Containers
800-255-3950 • 304-255-3900

TOM DUSKEK
TRC WAULECO
125 ROSECRANS ST
WAUSAU WI 54401

50 LBS 1 OF 1

RS

SHIP TO:
JODI SERSTAD
6083562760
CT LABS
1230 LANGE CT
BARABOO WI 53913

WI 539 0-10



UPS GROUND
TRACKING #: 1Z 1A3 77E 90 9403 5459

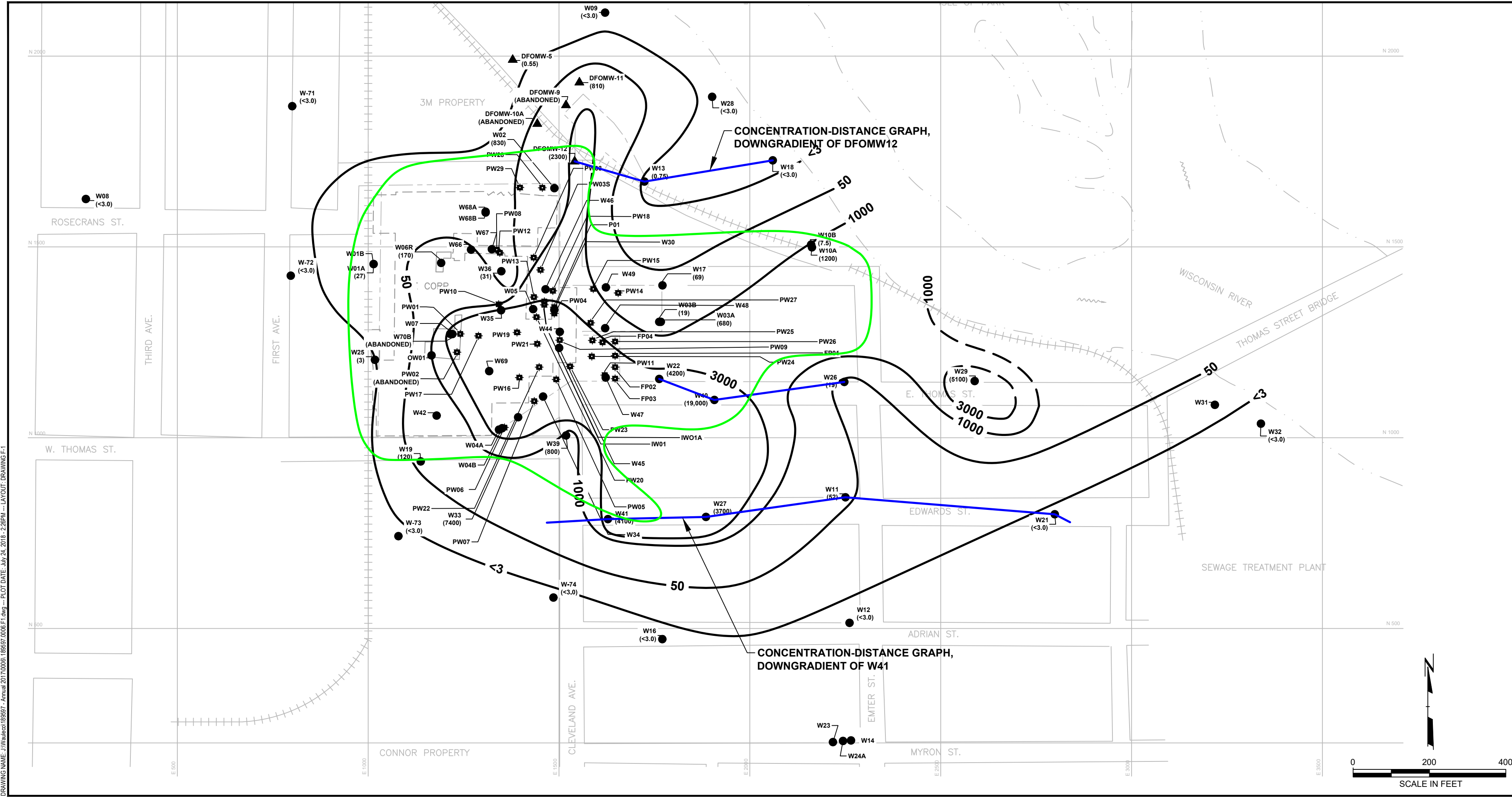


BILLING: P/P
DESC: environmental Samples
RETURN SERVICE



MIS 22.0.12. WNT NV50 31.0A 07/2020®

APPENDIX E
PCP CONCENTRATION DISTANCE GRAPHS



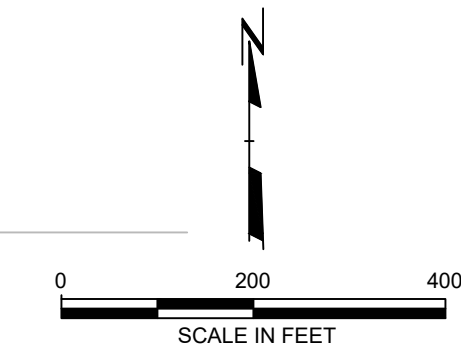
LEGEND

- W17 (60) ● 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)
- — PROFILE LINES FOR CONCENTRATION-DISTANCE GRAPHS
- — OUTLINE OF RESIDUAL PHASE PRODUCT

- 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 10, 11, 13, 17, 18 20, 2017.
 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 PCP IS 1.0 ug/L. THE NR140 PREVENTIVE ACTION LIMIT (PAL) FOR PCP IS 0.10 ug/L.
 6. 3M WELLS DOFMW-9 AND DOFMW-10A WERE ABANDONED BY 3M IN THE SUMMER OF 2015.
 7. OUTLINE OF RESIDUAL PHASE PRODUCT IS FROM FIGURE 1 OF THE SEPTEMBER 2015 GROUNDWATER REMEDIAL ACTION OPTIONS REPORT.

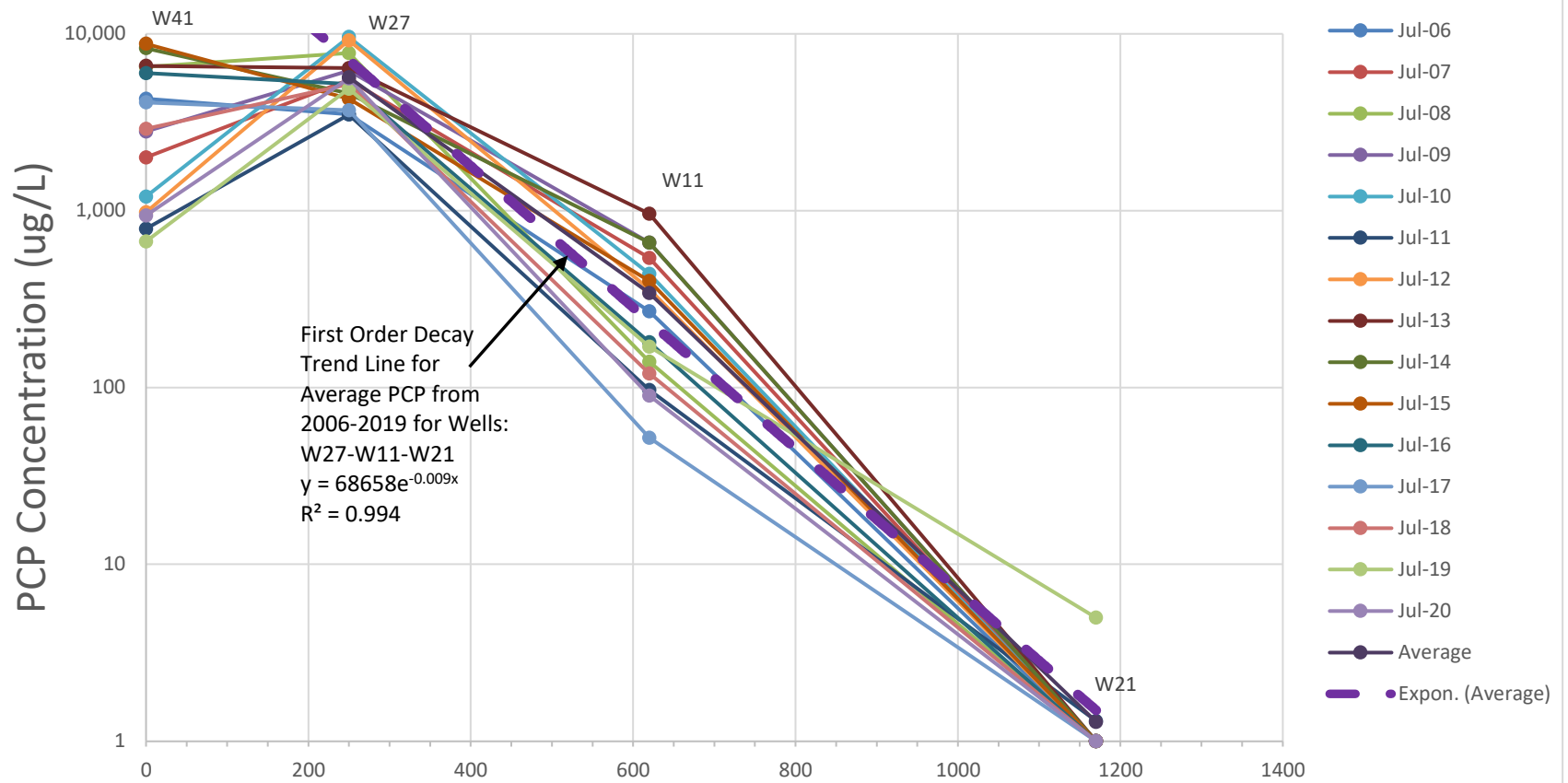
PROJECT:		WAULECO, INC.	
		ANNUAL GROUNDWATER MONITORING REPORT	
		WAUSAU, WISCONSIN	
TITLE: PCP ISOCONCENTRATION MAP WITH CONCENTRATION-DISTANCE PROFILES (JULY 2017)			
DRAWN BY:	L. STORMER	PROJ NO.:	189597 - ANNUAL REPORT
CHECKED BY:	K. QUINN	DRAWING E-1	
APPROVED BY:	B. IVERSON		
DATE:	JULY 2018		
DRAWN BY:		708 Heartland Trail Suite 3000 Madison, WI 53717 Phone: 608.826.3600	
DRAWING NAME: J:\Wauleco\189597 - Annual 2017\0006 F1.dwg		FILE NO.: 189597.0006.F1.dwg	

T:\04 - USER KQ - ATTACHED REFS: Wauleco; J:\PCP\06 - ATTACHED IMAGES: DRAWING NAME: J:\Wauleco\189597 - Annual 2017\0006 F1.dwg -- PLOT DATE: July 24, 2018, 2:28PM -- LAYOUT: DRAWING F-1
 Version: 2017-10-21



Higher concentration in July 2011 potentially due to water main leak.

PCP Concentration-Distance Graphs Wells W41-W27-W11-W21

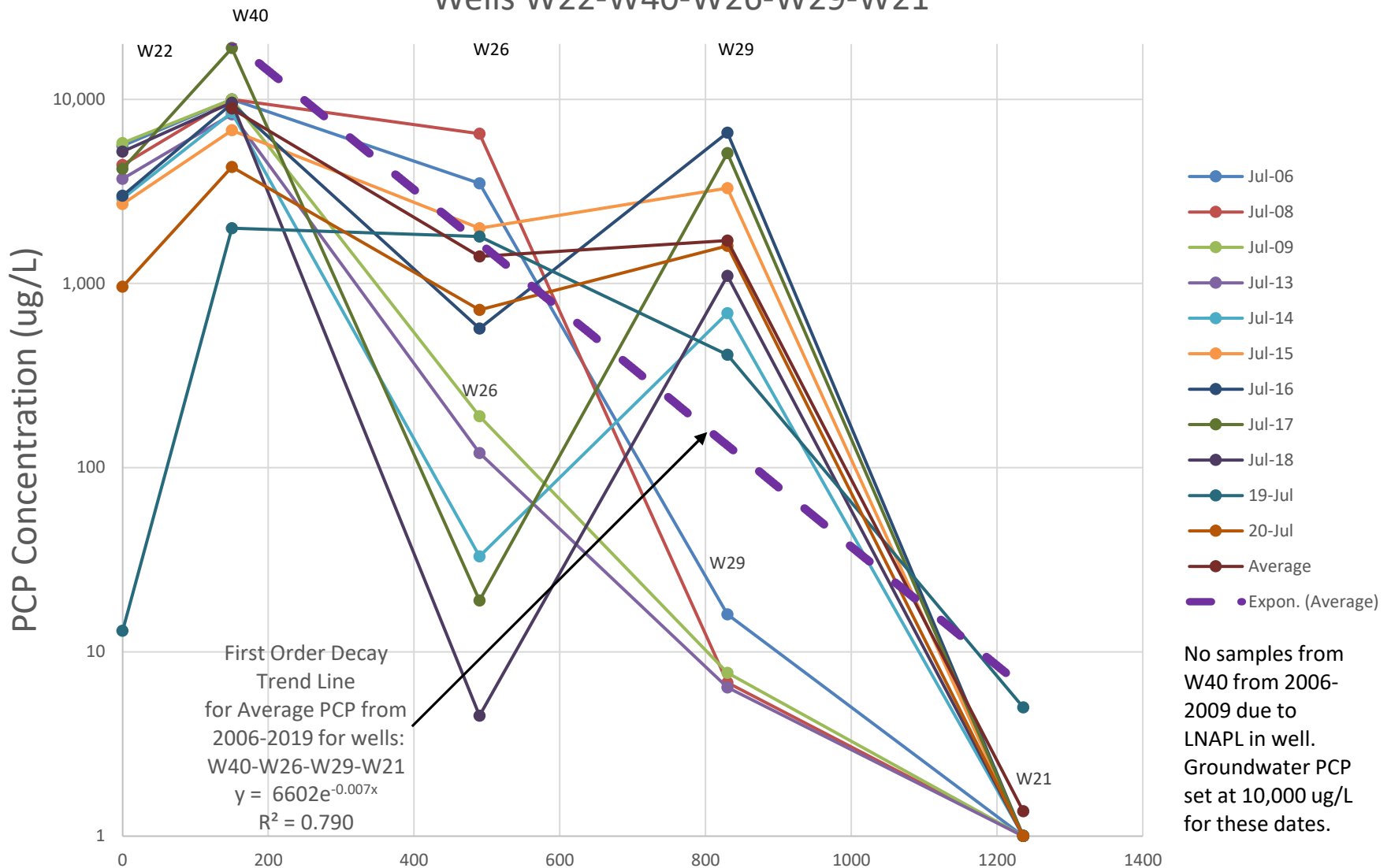


Non-detects at W21 plotted at 1 ug/L for convenience

Distance Downgradient of W41 (ft)

Figure E-2

Concentration-Distance Graphs Wells W22-W40-W26-W29-W21

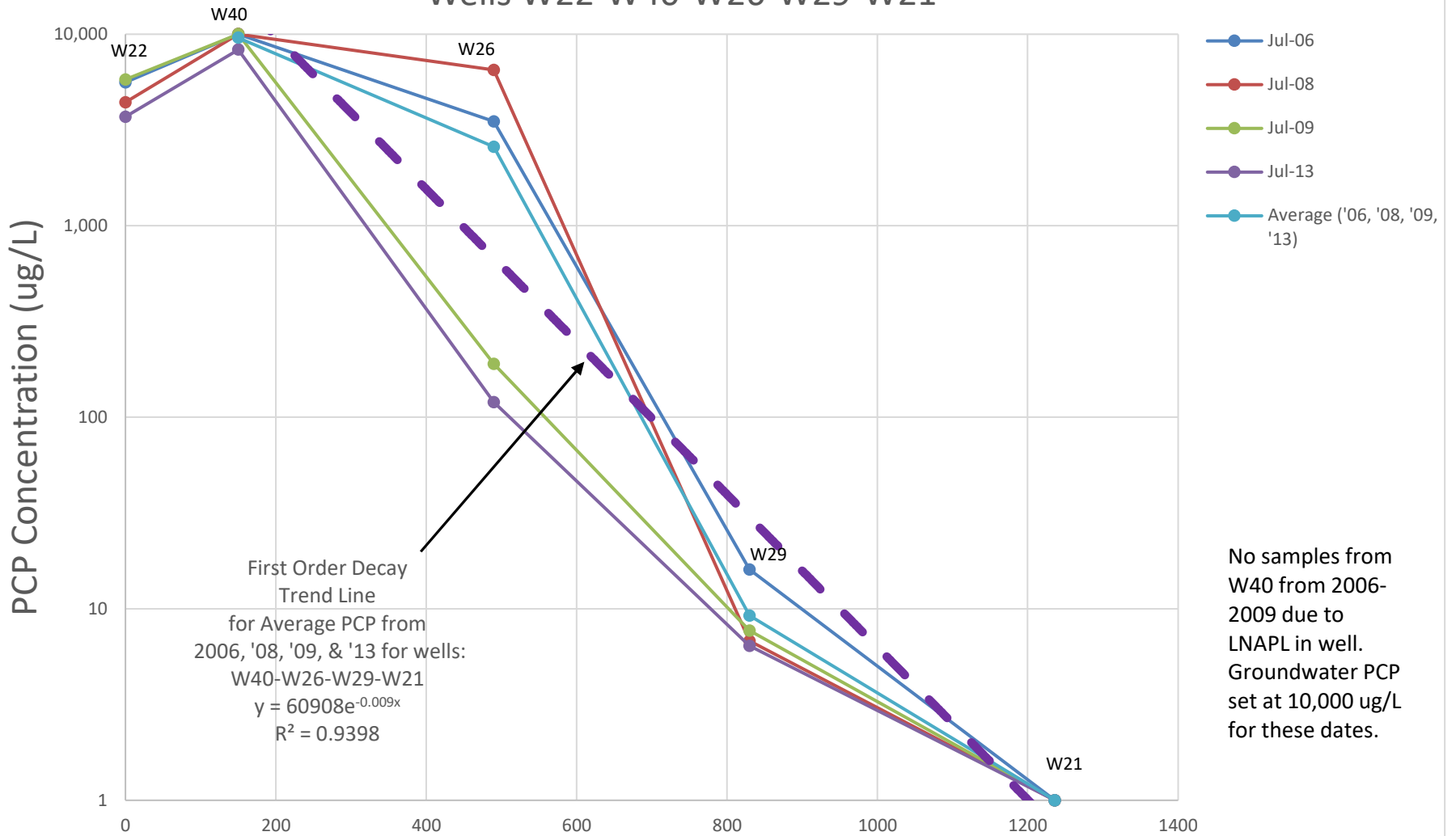


Non-detects at W21 plotted at 1 ug/L for convenience

Distance Downgradient of W22 (ft)

Figure E-3

Concentration-Distance Graphs Select Dates Wells W22-W40-W26-W29-W21



Non-detects at W21 plotted at 1 ug/L for convenience

Figure E-4

Concentration-Distance Graphs Wells DFOMW12-W13-W18

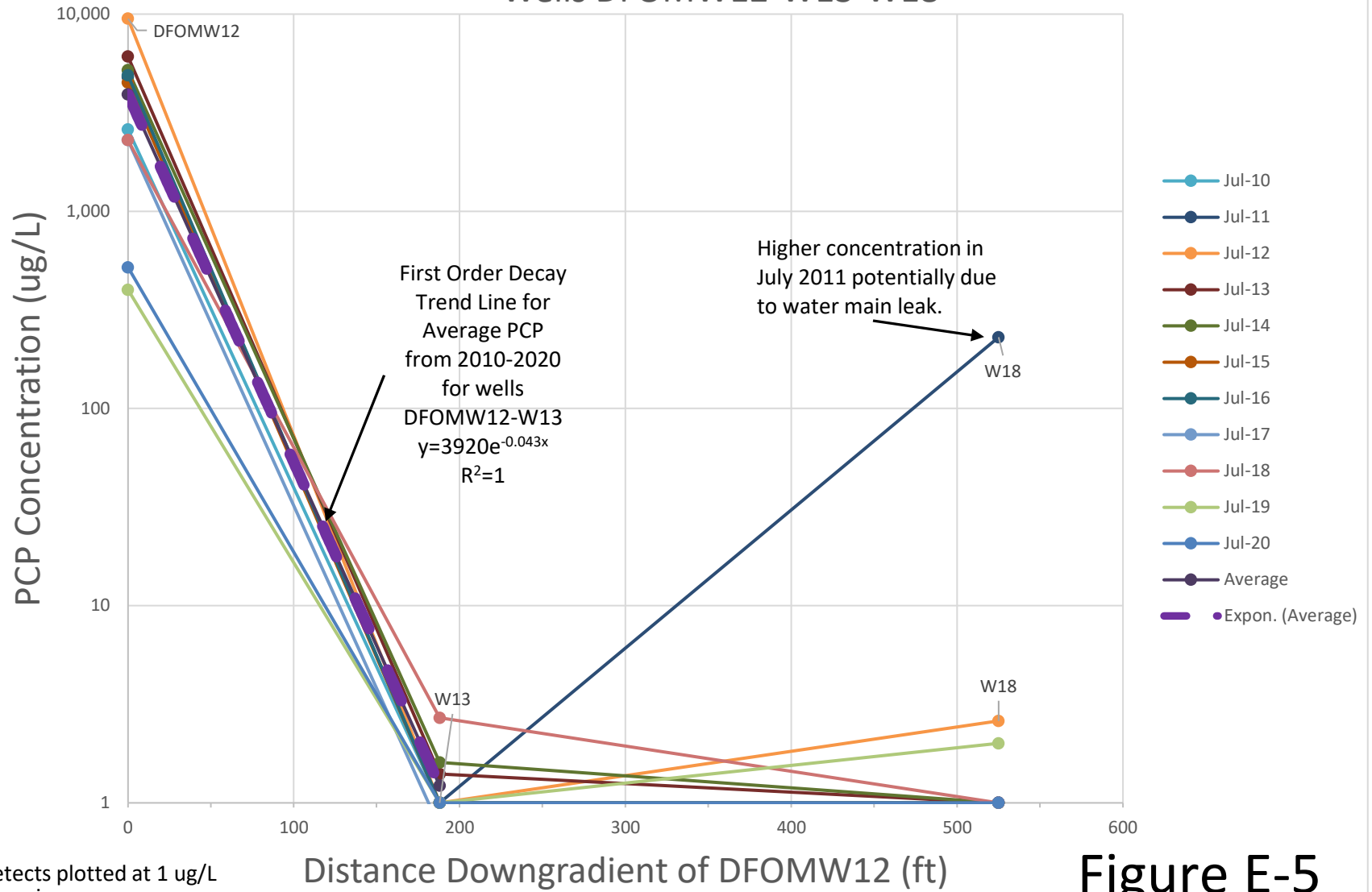


Figure E-5