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May 5, 2017

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

Subject: 2016 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 2016 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 and summer) groundwater monitoring events at the Wauleco site.

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

Sincerely,

TRC Environmental Corporation

Ken Quinn
Senior Hydrogeologist

Bruce Iverson
Project Manager

Enclosure: 2016 Annual Groundwater Monitoring Report (1 copy)

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

2016 ANNUAL GROUNDWATER MONITORING REPORT

WAULECO, INC.
WAUSAU FACILITY
WAUSAU, WISCONSIN

May 2017

Prepared For:
Wauleco, Inc.
Wausau, Wisconsin
• • •
Prepared By:
TRC, Inc.
Madison, Wisconsin

Project No. 189597

2016 ANNUAL GROUNDWATER MONITORING REPORT

WAULECO, INC.
WAUSAU FACILITY
WAUSAU, WISCONSIN

May 2017

Prepared by: (FOR) 5-5-2017
Tom Dushek — Date
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Reviewed by: Ken Quinn 5-5-2017
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TABLE OF CONTENTS

LIST OF TABLES

LIST OF FIGURES

LIST OF DRAWINGS

LIST OF APPENDICES

2016 ANNUAL GROUNDWATER MONITORING REPORT

WAULECO, INC. WAUSAU FACILITY

INTRODUCTION

This 2016 Annual Groundwater Monitoring Report presents a summary of the groundwater quality data collected from the Wauleco, Inc. facility in Wausau, Wisconsin (see Drawing 1). The focus of this report is on groundwater quality data collected through the year and analyses from groundwater samples collected during the semi-annual rounds (winter and summer) for 2016. 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 Wausau 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 it was concluded that mobile product recovery was complete and that the mobile product recovery system should be shut down (see correspondence with WDNR in Appendix A). Further, the groundwater recovery pumping rate would be revised to assess what effect it had on groundwater concentrations as part of a long term closure evaluation. The plan agreed upon with the Wisconsin Department of Natural Resources (WDNR) included:

- Reducing the groundwater extraction system's pumping rate from 40-45 gpm to 22-30 gpm, which is close to 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).

- Based on this plan, 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 moved from a quarterly basis to a semi-annual basis (summer and winter) in 1997. The wells and parameters included in the semi-annual monitoring program are summarized in Table 1.

- One round of sampling for dioxin/furan analysis was completed during the June 1998 round.

- 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 C2.

- As agreed upon 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 C2.

- 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 approval letter dated March 18, 2014 with conditions), the groundwater monitoring program was changed 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, and 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. Well Sealing Reports (i.e., abandonment forms) for these two wells were submitted to the WDNR in the TRC document titled "Soil Mound Removal Documentation" dated December 1, 2015. 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. Boring and Well Construction Logs for these four new wells were submitted to the WDNR in the TRC document titled "Groundwater Quality Data Memo" dated October 22, 2015.

- In 2015, an additional round of sampling for dioxin/furan analysis was completed.

- 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.

- The Groundwater Monitoring Report is submitted on an annual basis following completion of the year.

Wauleco met with the WDNR Closure Committee on May 1, 2014 to discuss the status of the Wauleco project site, including the potential for the natural discharge of groundwater to surface water as part of future project closure. WDNR requested that Wauleco contact Kari Fleming, an Environmental Toxicologist in the Bureau of Water Quality, to discuss whether river sampling and evaluation would be needed using a method such as the approach presented in the WDNR's Whole Effluent Toxicity (WET) test. In response to this request, an interactive process between the Bureau of Water Quality and TRC occurred, as summarized in the email correspondence in Appendix B.

The Bureau of Water Quality concluded that the WET test was not required due to the dilution factor of groundwater discharge to the Wisconsin River. In addition, the dilution available in the receiving water (i.e., the Wisconsin River) is so high that the risk of acute and chronic toxicity impacts is extremely low such that the Bureau of Water Quality does not suspect that there is a potential for exceedance of water quality standards.

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.” The term “mobile product” is limited to the observation that the LNAPL has moved into a monitoring well or extraction well. Use of the term does not suggest that the product is migrating on a larger scale.

SAMPLING EVENT SUMMARY

This report provides a presentation and interpretation of data collected at Wauleco beginning in 1987 and continuing through December 2016. Sampling activities since 1992 have been conducted in general accordance with Wauleco’s Groundwater Monitoring Plan and the WDNR’s conditional approvals. During each sampling event, water levels and product thickness measurements were first recorded, followed by the purging of each well sampled. Groundwater monitoring wells sampled during 2016 are summarized in Table 1. The locations of the groundwater monitoring wells and extraction wells are shown on Drawing 2. The wells sampled during the first (January) and second (July) semi-annual round are summarized in Table 2. No wells planned to be sampled contained mobile product, so groundwater quality samples were collected from all planned wells. Groundwater elevation measurements collected during the January 25, and July 19, 2016 rounds are included in Table 3. Groundwater elevations collected during the Lake Wausau drawdown period are included in Table 4 to provide changes in head during the drawdown period.

Groundwater samples were submitted as appropriate for laboratory analysis of nitrate (Method EPA 9056A); dissolved mercury (Method EPA 7470A); dissolved iron and manganese (Method EPA 6010C); sulfate (Method EPA 9056A); total organic carbon (Method EPA 9060A); naphthalene (EPA Method 8020A); phenolic compounds (Method EPA 8270D); volatile organic compounds (VOC’s) (Method EPA 8020A); and total petroleum hydrocarbons (TPH) (Method EPA 8015). A summary of the January and July, 2016 groundwater analytical results is provided in Tables 5a and 5b, respectively; and laboratory reports are included in Appendices E1 and E2, respectively.

PRESENTATION OF RESULTS

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

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

Groundwater Elevations

Figure 1 shows the historic groundwater elevation at this site as the average water level deviation[1]. As shown on Figure 1, the groundwater elevation has generally risen throughout 2009 and 2010, and by July 2010 the groundwater elevation was at an average water level deviation of >1.0 ft. The groundwater elevation spiked up to an average water level deviation of 4.85 ft in June 2011 due to a major leak in the City of Wausau's (City) water supply lateral near the intersection of Thomas Street and Cleveland Avenue. This leak was repaired in late June 2011, and then the average water level deviation dropped to 0.83 ft. in December 2011. The groundwater elevation in 2012 returned to a normal pattern and was at an average water level deviation between 0.0 and 1.0 ft. In 2013, the groundwater elevation ranged from an average water level deviation between 0.0 and 2.5 ft. indicating a wet spring and summer. In 2014, the average water level deviation rose above 1.5 ft in April, and stayed between 1.2 and 2.5 ft. the rest of the year, indicating a wet spring and fall. In 2015, groundwater elevation measurements were reduced to quarterly beginning in April. The average water level deviation stayed between 0.57 and 1.5 ft. the entire year. In 2016, the average water level deviation stayed between 0.77 and 1.79 ft. The 0.77 ft. average water level deviation was measured in October, shortly after the 4.8 ft. drawdown of Lake Wausau was completed for Domtar dam repairs in Rothschild. The rise and fall of the groundwater elevation is also shown in Figure 1's graph of the average water level deviation through time.

As discussed above, Lake Wausau was drawn down in the fall of 2016 for dam work to be completed. Prior to this time, Lake Wausau has been maintained at a nearly constant stage for 60+ years. Wauleco performed groundwater monitoring in select monitoring wells during this drawdown period to determine if any residual phase product was converted to mobile product during the very uniform drawdown in the groundwater elevation expected throughout the zone of residual phase product. This was expected to be an effective test to determine whether any residual phase product would be mobilized.

Drawdown was begun on September 24 and reached a maximum drawdown in the lake of approximately 4.8 ft. Refilling the lake began November 15. Groundwater and product thickness was monitored at several wells and results are included in Table 4. Monitoring began on September 8, prior to beginning drawdown and then twice per week between September 24 and December 9, 2016. An additional measurement of this program was made on December 20. Table 4 also presents a table of head changes compared to the groundwater elevations on July 9, 2016. These values illustrate the change from a pre-drawdown level. The change in head at each well is also shown on a graph imbedded on Table 4.

[1] 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.

The groundwater elevation and mobile product thickness monitoring during this period showed the following:

- Over 1.5 ft. of drawdown in areas of residual phase product (e.g., W10A-2.56 ft., W17-1.96 ft., W3A-1.88 ft., and W40-1.87 ft.) (see Table 4).

- Drawdown below the top of the residual phase product occurred at W22, W45, W3A, and W17, and below the bottom of the residual phase product at W10A and W40 (see Table 4).

- Only one off-site well (W40) showed a thin, 0.2 ft. accumulation of apparent mobile phase product, whereas several other wells showed no accumulation.

- Only thin accumulations of product were observed at five on-site wells (0.02 to 0.13 ft) in January 2017 (PW26, PW29, W07, W35, FP02) as reported in the 2017 First Quarterly Report (TRC, April 13, 2017).

This assessment illustrates that the current residual phase product on and off the Wauleco Site has insufficient saturation to create mobile, recoverable product.

Other observations from the graph of head changes (shown on Table 4) indicate that the greatest head decline was at wells closest to the lake (e.g., W10A and W29), with smaller drawdowns further from the lake. Wells furthest from the lake (i.e., W22, W39, and W45) showed head declines continued after the dam began filling, illustrating the lag time between lake drawdown and groundwater decline further from the lake.

As agreed upon with WDNR in February 2011 (see correspondence in Appendix A), the product 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, 2016 water table maps (Drawing 3 and 4, respectively) show a capture zone extending to approximately 100 ft. downgradient of the east property line adjacent to extraction wells FP01 and FP02.

Apparent Product Thickness

The apparent product thicknesses during January and July 2016 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 three monitoring wells and one extraction well showed apparent mobile product in 2016, and sporadically at that. This illustrates that the apparent mobile product at the site is thin and isolated to very small areas.

Well	January 2016 Apparent Product Thickness (ft)	April 2016 Apparent Product Thickness (ft)	July 2016 Apparent Product Thickness (ft)	October 2016 Apparent Product Thickness (ft)
W04A	0.0	0.03	0.0	0.0
W07	0.0	0.0	0.01	0.02
W35	0.08	0.0	0.0	0.02
PW19	0.0	0.02	0.0	0.0

In late 2009, several wells were tested to assess whether the apparent mobile product present in the wells were representative of mobile product outside the well or whether the product was trapped in the monitoring well and not representative of mobile product outside the well. This test was conducted by inserting an absorbent sock in the well to remove the product and then monitoring for recovery of product. This test was effective to determine where there was apparent mobile product outside the well and has been continued from 2010 through 2016. This method continues to be used only at locations where free product has recovered. In 2016, it was used only at wells W04A, W07, W35, and PW19.

The presence of mobile product at only four on-site wells during 2016 demonstrate that very limited areas of mobile product exists on-site, around wells W04A, W07, W35, and PW19.

Product Recovery

Product recovery for 2016 is summarized by year in the following table.

Year	Product Recovery (gallons)
1999 – 1st 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 – 1st year with 4 new focused pumping wells	1,964.4
2009	1,198.3
2010	80.8
2011	4.8
2012	0.0
2013	0.0
2014	0.0
2015	0.0
2016	0.0

The total volume collected in 2016 was 0.0 gallons, with only 0.02 ft. of product accumulated in PW19 in April (none in January, June and October), and none in the remaining extraction wells during 2016. Although groundwater elevations rose dramatically in mid-2011, measureable product has not returned even when water levels dropped to historic average elevations in late-2011, and 2012 to 2016.

Dissolved PCP Recovery

PCP is removed in dissolved phase through groundwater extraction. The dissolved phase PCP concentration, as influent to the treatment system, is shown in Table 6. During 2016, a total of 11.57 million gallons of water were treated through the fluidized bed reactor (FBR) system. The average PCP concentration of the influent water was 4,223 micrograms per liter (μg/L), and the average PCP concentration in the treatment system effluent was 2.57 μg/L. This translates to 408 pounds (lb) of PCP removed during 2016 or, assuming 5 percent PCP in the original product formulation and using 0.8 as the specific gravity for the product, an equivalent of 1,222 gallons of product removed.

The average PCP concentration, as shown in the following table, has been generally declining for the treatment system influent.

Year	Average Annual Treatment System Influent Concentration (μg/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

Total PCP Recovered

The mass of PCP recovered for each of the last 20 years is as follows:

Total PCP Recovered			
Year	**PCP in Product Recovered[1] (lbs)**	**PCP in Water[2] (lbs)**	**Total PCP Recovered (lbs)**
Oct. 1996 – Sept. 1997	1,942	1,220	3,162
1998 prior to new wells	4,077	1,460	5,537
1999 1st year with new wells	12,645	2,550	15,195
2000	10,635	2,212	12,847
2001	4,716	2,146	7,077
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

1. Assumes 5 percent PCP in product, based on the original product used and a product specific gravity of 0.8.
2. Uses the average concentration removed based on results from three to five sampling rounds per month.

The decreasing mass of PCP recovered through groundwater recovery and no mass of PCP recovered by product recovery in 2012 to 2016 supports the decision to have discontinued product recovery in 2011.

Groundwater Quality

The historical analytical results for each monitoring well location are provided in Appendix C, and the analytical results for the 2016 sampling rounds are summarized in Tables 5a and 5b. Time trend graphs for PCP are provided in Appendix D. 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.

Historically, wells with product present have not been sampled for groundwater quality. However, as described above, product has been removed from all wells in the routine monitoring program. As a result, all planned wells were sampled during both sampling events in 2016.

Following is a summary of changes or trends by compound compared to the 2015 Annual Report:

- **PCP**

  3M Wells – 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 described in the following discussion:

  - 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 D), 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, although W18 showed a relatively small increase in 2011 (relative to concentrations at adjacent well W10A).

  - 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 C1) 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.

  Wells W12, W16, W18, W26, and W29 – A significant rise and fall in PCP concentration between 2010 and 2013 was seen at W12, W16, W18, W26, and W29, as shown in the table below.

Date Sampled	W12 (μg/L)	W16 (μg/L)	W18 (μg/L)	W26 (μg/L)	W29 (μg/L)
July, 2009	<3	<3	1.5	190	7.7
July, 2010	<3	<3	1.5	2,900	50
July, 2011	<1.2	3000	230	1,100	1,700
July, 2012	420	<3	2.6	540	1,800
July, 2013	<3	<3	<3	120	6.4
July, 2014	<3	<3	<3	33	690
July, 2015	<3	<3	<3	2,000	3,300
July, 2016	<3	<3	<3	570	6,600

This spike in PCP concentrations at well W12, W16, and W26 in 2011/2012 is likely due to the water lateral leak found near the intersection of Thomas Street and Cleveland Ave. in 2011. The mound of water formed by this leak pushed PCP present south and east of the leak (e.g., near well W41) further south to W16. After repair of the leak in June 2011, and groundwater flow returned to normal, groundwater with no PCP moved back into the area of well W16. This spike in PCP concentration at well W16 then moved downgradient, resulting in the spike in PCP concentration at well W12 in 2012.

The cause of the spike at well W18 in 2011 is not as clear as at well W16, but could be related to the water lateral leak as well, potentially causing migration from the south, under the residual phase product, towards well W18. Regardless, the PCP concentration has returned to normal low concentrations.

The 2011 and 2012 increase in PCP concentrations at wells W26 and W29 may also be due to the water lateral leak that pushed PCP concentrations to the east, with a subsequent decline following repair of the leak. The increase in PCP concentrations at wells W26 and W29 after July 2014 and 2013, respectively, may be due to a change in groundwater flow directions following the change in groundwater extraction rates between March 2011 (approximately 43 gpm) and June 2012 (approximately 22 gpm). During the higher pumping rate, flow in the vicinity of wells W26 and W29 may have been primarily to the east. Flow after the reduction in pumping rate appears, at times, to have a south to southeast direction, resulting in a shorter flow distance between the residual phase product and well W29 than during easterly flow. This shorter flow distance would result in less degradation of PCP than in the longer flow distance with straight easterly flow. However, under either condition, the downgradient wells, W21 to the south and W31 to the east, are non-detect. Therefore, under either flow condition, the downgradient wells indicate non-detect and that natural degradation is occurring and effective.

Well W19 – The history of PCP concentrations (see graph in Appendix D) showed a large decline shortly after extraction started in the early 1990s. PCP increased in 2011 from typically less than 100 µg/L to 710 µg/L. Concentrations have been fluctuating between 100 µg/L and 700 µg/L since 2011. This increase at W19 does not reflect an expansion of the extent of PCP, simply a small increase in concentration inside the areal extent.

Wells W2, W3A, W6R, and W40 – Concentrations from the wells that had product removed in 2009 (W2, W3A, W6R, and W40) ranged from 780 ug/L at W3A to 9,500 ug/L at W40. Results since 2009 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

Monitoring wells W2, W3A, W6R, and W40 are within the residual phase product footprint. 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, has gone from having mobile product in the early 1990s, to PCP concentrations greater than 6,000 μg/L in the early 1990s to having <15 μg/L since 2007. The presence of chloroform from at least 1996 through at least 2011 at this well (see data in Appendix C3) 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, with an abandoned water line in a trench extending south, beneath the Wauleco property, just west of well W36. It is not known whether the leak at Rosecrans Street and First Avenue affected water quality at well W36. If it did, and with its repair completed, the PCP concentration would be expected to increase at well W36, although as of July 2016, the PCP concentration is still low at well W36.

Areal Extent – The areal extent of PCP are similar to the 2014 and 2015 isoconcentration maps. Appendix F includes PCP concentration-distance graphs along three profiles, shown on Figure F-1, to illustrate the concentration decline down the groundwater gradient.

- **Naphthalene –** The areal extent of naphthalene concentrations is similar to 2015, with concentrations above 100 μg/L (the NR 140 ES) centered around well W40 (see Drawing 8). Changes of note include: naphthalene concentrations have declined from 12 μg/L at W6R to 1.6 μg/L and from 8.6 ug/L to 0.9 ug/L at well W10A.

- **TPH** - The areal extent of the total petroleum hydrocarbon (TPH) concentrations in 2016 (see Drawing 9) is slightly smaller than 2015 in that the extent of the 0.04 mg/L contour line excludes wells W11 and W26, and the 10 mg/L contour line is smaller around well W40 due to decreases in concentrations: at W40 (from 38 mg/L to 28 mg/L); north of W40 at W3A (from 9.7 mg/L to 2.9 mg/L) and south of W40 at W41 (from 8.2 mg/L to 2.5 mg/L) and at W27 (from 9.2 mg/L to 4.3 mg/L).

- **1,2,4-Trimethylbenzene –** The areal extent for 1,2,4-Trimethylbenzene is similar to 2015, with the highest concentration centered at well W40 (see Drawing 10). Concentrations in excess of the NR-140 are limited to wells W40, W27, and W02.

- **Total Xylenes –** The concentrations of total xylenes across the site are less than the NR 140 PAL (400 μg/L) except for well W40 at 570 μg/L (see Drawing 11). The areal extent for total xylenes is similar to 2015 contours except for the increased concentration at well W29, which went from no detect to 8.1 μg/L.

SUMMARY AND CONCLUSIONS

Groundwater quality around the Wauleco site has remained similar to, or has generally decreased concentrations, under the influence of changing operations of the remediation system since 2011. This stability of the PCP plume is illustrated by the observation that the areal extent of the plume has remained constant since 2011. Therefore, the discontinuation of product recovery and reduced pumping has been successful in maintaining the environmental performance of the remedy.

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

Product

Apparent product observed during 2016 on the site is limited to three monitoring wells, is thin, and isolated to very small areas. Consistent with this observation, product was present in only one extraction well, PW19 at 0.02 ft. during 2016, and an insignificant volume was removed using absorbent socks, so there was no recovery. As agreed to with the WDNR, product recovery was discontinued in March, 2011 with the beginning of reduced pumping rates. Since the implementation of additional wells and modifications to the system operation in 1999, the recovery of PCP from product and as dissolved phase in groundwater has decreased from 15,195 pounds per year (lbs/yr) in 1999, to 406 lbs/yr in 2016, now with all of the PCP recovered coming from the groundwater extraction system. Product recovery and extent of apparent product thickness over the last several years have demonstrated that the product recovery implemented in 1999 was effective and that it reached its useful end.

Groundwater Containment

Containment of groundwater on the Wauleco site in 2016 is evident as shown in Drawings 3 and 4 for pumping at approximately 22 gpm, extending 100 ft. beyond the downgradient property line.

Groundwater Quality

The areal extent of PCP has remained stable and concentrations within the plume have remained generally stable to declining. Although the PCP concentrations at W19 and W29 have fluctuated since 2011, the areal extent of the plume has not changed. The PCP at well W29 may be due to a change in groundwater flow direction following the reduction in groundwater extraction rates.

The mineral spirits constituents (TPH, 1,2,4 trimethylbenzene, and xylenes) show similar configurations from 2014 to 2015, but the peak concentrations at well W40 have declined.

RECOMMENDATIONS

TRC recommends the following:

- Continue the groundwater remediation system without product recovery.
- Continue to implement the reduced pumping approach.
- Continue to perform semi-annual groundwater monitoring during 2017.
- Continue to assess the effect of reduced pumping rates near the site through quarterly water level monitoring and preparation of water table maps in January, and July.
- Continue removal of apparent mobile product in groundwater monitoring wells W04A, W07 and W35, and extraction wells, if present, and where it is thought that the product is not representative of mobile product outside the well. This will use absorbent socks to remove product and monitoring to assess if product re-accumulates.

These recommendations would be applicable while the current pump and treatment remediation system is operated. If changes are made to the operation of the pump and treatment system, then these recommendations would be revised accordingly.

TABLE 1

2016 GROUNDWATER MONITORING PROGRAM
WAULECO, INC.
WAUSAU, WISCONSIN

Well Location	Semi-Annual - January	Annual - July
W1A		S
W2		S
W3A	W	S
W3B		S
W6R	W	S
W8	W + M	S + M
W9		S
W10A	M	S + M
W10B		S
W11	M	S + M
W12	M	S + M
W13	W + M	S + M
W16	M	S + M
W17	W + M	S + M
W18		S
W19	W	S
W21		S
W22	W + M	S + M
W25	W	S
W26	W + M	S + M
W27	M	S + M
W28	M	S + M
W29		S
W32		S
W33	W + M	S + M
W36		S
W39	W	S
W40	W	S
W41	W	S
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	P + V + T
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, 10/11/16
Checked : A. Voit, 10/26/16

TABLE 2

SUMMARY OF 2016 GROUNDWATER SAMPLING LOCATIONS
WAULECO, INC.
WAUSAU, WISCONSIN

Well Location	January 2016	July 2016
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
W12	X	X
W13	X	X
W16	X	X
W17	X	X
W18		X
W19	X	X
W21		X
W22	X	X
W25	X	X
W26	X	X
W27	X	X
W28	X	X
W29		X
W32		X
W33	X	X
W36		X
W39	X	X
W40	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 2016 (Winter Sampling Round) samples collected on January 12-15, and 19, 2016.
July 2016 (Summer Sampling Round) samples collected on July 1, 5-7, 11, and 12, 2016.
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, 8/19/16
Checked : A. Voit, 10/26/16

TABLE 3

2016 Groundwater Elevation Data
Wauleco, Inc.
Wausau, Wisconsin

Well No.	Current Top of Casing Elevation (ft msl)	January 25, 2016 Oil Thickness (ft)	January 25, 2016 Water Table Elevation (ft msl)	April 26, 2016 Oil Thickness (ft)	April 26, 2016 Water Table Elevation (ft msl)	July 19, 2016 Oil Thickness (ft)	July 19, 2016 Water Table Elevation (ft msl)	October 10, 2016 Oil Thickness (ft)	October 10, 2016 Water Table Elevation (ft msl)
PW01	1192.22 [3]	0.00	1163.70	0.00	1164.12	0.00	1163.66	0.00	1163.31
PW02	1197.16	-----	Abandoned	-----	Abandoned	-----	Abandoned	-----	Abandoned
PW03	1190.49	0.00	1163.53	0.00	1163.86	0.00	1163.52	0.00	1163.09
PW3S	1189.55	0.00	1162.71	0.00	1163.27	0.00	1162.78	0.00	1162.42
PW04	1190.52	0.00	1162.62	0.00	1163.17	0.00	1162.66	0.00	1162.24
PW05	1188.48	0.00	1162.69	0.00	1163.25	0.00	1162.71	0.00	1162.29
PW06	1191.97	0.00	1163.03	0.00	1163.56	0.00	1162.98	0.00	1162.63
PW07	1189.82	0.00	1152.86	0.00	1149.58	0.00	1162.82	0.00	1149.55
PW08	1191.84	0.00	1163.87	0.00	1164.21	0.00	1163.86	0.00	1163.49
PW9I	1188.58	-----	-----	-----	-----	-----	-----	-----	-----
PW9O	1189.98	0.00	1162.69	0.00	1163.30	0.00	1162.82	0.00	1162.37
PW10	1191.62	0.00	1162.81	0.00	1163.36	0.00	1162.89	0.00	1162.51
PW11	1188.69	0.00	1161.45	0.00	1162.14	0.00	1161.29	0.00	1160.47
PW12	1192.12	0.00	1163.27	0.00	1163.72	0.00	1163.27	0.00	1161.94
PW13	1192.2	0.00	1160.42	0.00	1158.50	0.00	1151.28	0.00	1158.20
PW14	1188.83	0.00	1162.08	0.00	1162.79	0.00	1162.14	0.00	1161.44
PW15	1189.34	0.00	1162.18	0.00	1162.89	0.00	1162.25	0.00	1161.62
PW16	1191.91	0.00	1158.02	0.00	1156.55	0.00	1162.89	0.00	1162.52
PW17	1191.9	0.00	1159.25	0.00	1160.55	0.00	1151.59	0.00	1158.33
PW18	1190.19	0.00	1162.66	0.00	1163.22	0.00	1162.71	0.00	1162.31
PW19	1190.66	0.00	1160.27	0.02	1160.18	0.00	1160.25	0.00	1158.69
PW20	1191.34	0.00	1161.70	0.00	1162.34	0.00	1161.80	0.00	1160.85
PW21	1190.33	0.00	1162.04	0.00	1162.77	0.00	1162.22	0.00	1161.84
PW22	1192.32	0.00	1162.72	0.00	1163.26	0.00	1162.75	0.00	1162.34
PW23	1189.49	0.00	1162.66	0.00	1163.20	0.00	1162.65	0.00	1162.23
PW24	1188.28	0.00	1161.41	0.00	1161.67	0.00	1160.93	0.00	1160.18
PW25	1189.51	0.00	1159.57	0.00	1160.80	0.00	1158.49	0.00	1158.23
PW26	1188.79	0.00	1160.85	0.00	1161.54	0.00	1160.70	0.00	1158.87
PW27	1188.47	0.00	1157.96	0.00	1158.77	0.00	1154.74	0.00	1156.22
PW28	1193.6	0.00	1163.60	0.00	1163.92	0.00	1163.56	0.00	1163.07
PW29	1193.65	0.00	1163.71	0.00	1164.01	0.00	1163.67	0.00	1163.20
P01	1191.48	0.00	1162.60	0.00	1163.14	0.00	1162.65	0.00	1162.22
OW01	1194.62 [3]	0.00	1164.93	0.00	1165.32	0.00	1164.83	0.00	1164.40
W01A	1194.08	0.00	1164.04	0.00	1164.40	0.00	1163.96	0.00	1163.57
W01B	1194.92	0.00	1164.08	0.00	1164.44	0.00	1163.90	0.00	1163.58
W02	1193.71	0.00	1163.34	0.00	1163.67	0.00	1163.27	0.00	1162.69
W03A	1187.76	0.00	1161.85	0.00	1162.54	0.00	1161.81	0.00	1160.95
W03B	1187.77	0.00	1162.12	0.00	1162.51	0.00	1161.91	0.00	1160.77

TABLE 3

2016 Groundwater Elevation Data
Wauleco, Inc.
Wausau, Wisconsin

Well No.	Current Top of Casing Elevation (ft msl)	January 25, 2016 Oil Thickness (ft)	January 25, 2016 Water Table Elevation (ft msl)	April 26, 2016 Oil Thickness (ft)	April 26, 2016 Water Table Elevation (ft msl)	July 19, 2016 Oil Thickness (ft)	July 19, 2016 Water Table Elevation (ft msl)	October 10, 2016 Oil Thickness (ft)	October 10, 2016 Water Table Elevation (ft msl)
W04A	1192.32	0.03	1163.02	0.00	1163.56	0.00	1162.96	0.00	1162.61
W04B	1192.26	0.00	1163.01	0.00	1163.58	0.00	1162.96	0.00	1162.61
W05	1190.63	0.00	1162.63	0.00	1163.17	0.00	1162.69	0.00	1162.27
W06R	1194.06	0.00	1163.97	0.00	1164.33	0.00	1163.91	0.00	1163.48
W07	1192.37 [3]	0.00	1163.75	0.00	1164.16	0.01	1163.70	0.02	1163.32
W08	1206.73	0.00	1173.30	0.00	1174.66	0.00	1173.00	0.00	1171.96
W09	1172.80	0.00	1162.63	0.00	1163.43	0.00	1162.49	0.00	1161.35
W10A	1182.59	0.00	1161.34	0.00	1161.70	0.00	1160.98	0.00	1159.07
W10B	1182.44	0.00	1161.33	0.00	1161.68	0.00	1161.02	0.00	1159.21
W11	1175.25	0.00	1161.15	0.00	1161.39	0.00	1160.94	0.00	1159.43
W12	1173.95	0.00	1160.75	0.00	1160.94	0.00	1160.58	0.00	1159.42
W13	1188.73	0.00	1161.87	0.00	1162.25	0.00	1161.66	0.00	1160.69
W14	1172.41	0.00	1160.93	0.00	1161.08	0.00	1160.74	0.00	1159.49
W16	1180.60	0.00	1162.19	0.00	1162.70	0.00	1162.01	0.00	1161.51
W17	1187.4	0.00	1161.99	0.00	1162.69	0.00	1162.05	0.00	1161.19
W18	1172.92	0.00	1161.43	0.00	1162.01	0.00	1160.98	0.00	1159.06
W19	1194.26	0.00	1163.32	0.00	1163.84	0.00	1163.26	0.00	1163.04
W21	1170.14	0.00	1161.08	0.00	1161.27	0.00	1160.78	0.00	1158.61
W22	1186.01	0.00	1161.81	0.00	1162.58	0.00	1161.68	0.00	1160.87
W23	1171.55	0.00	1160.99	0.00	1161.17	0.00	1160.80	0.00	1159.62
W24A	1171.77	0.00	1160.98	0.00	1161.14	0.00	1160.79	0.00	1159.56
W25	1194.48	0.00	1164.05	0.00	1164.44	0.00	1163.97	0.00	1163.63
W26	1176.90	0.00	1161.21	0.00	1161.45	0.00	1160.98	0.00	1159.22
W27	1180.19	0.00	1161.83	0.00	1162.27	0.00	1161.67	0.00	1160.95
W28	1174.36	0.00	1161.45	0.00	1162.04	0.00	1160.94	0.00	1158.88
W29	1172.60	0.00	1161.13	0.00	1161.49	0.00	1160.81	0.00	1158.67
W30	1189.97	0.00	1162.59	0.00	1163.14	0.00	1162.65	0.00	1162.22
W31	1169.67	0.00	1161.15	0.00	1161.59	0.00	1160.79	0.00	1158.36
W32	1169.43	0.00	1161.16	0.00	1161.62	0.00	1160.80	0.00	1158.35
W33	1188.51	0.00	1162.83	0.00	1164.07	0.00	1162.80	0.00	1162.41
W34	1191.16	0.00	1162.78	0.00	1163.31	0.00	1162.76	0.00	1162.38
W35	1191.93	0.08	1162.76	0.00	1163.31	0.00	1162.83	0.02	1162.44
W36	1192.34	0.00	1163.25	0.00	1163.72	0.00	1163.24	0.00	1162.82
W39	1187.78	0.00	1162.80	0.00	1162.63	0.00	1162.76	0.00	1162.36
W40	1180.69	0.00	1161.79	0.00	1162.33	0.00	1161.63	0.00	1160.72
W41	1185.04	0.00	1162.71	0.00	1163.24	0.00	1162.63	0.00	1162.36
W42	1194.61	0.00	1163.43	0.00	1163.89	0.00	1163.36	0.00	1163.01
W44	1190.82	0.00	1162.64	0.00	1163.19	0.00	1162.65	0.00	1162.25

TABLE 3

2016 Groundwater Elevation Data
Wauleco, Inc.
Wausau, Wisconsin

Well No.	Current Top of Casing Elevation (ft msl)	January 25, 2016 Oil Thickness (ft)	January 25, 2016 Water Table Elevation (ft msl)	April 26, 2016 Oil Thickness (ft)	April 26, 2016 Water Table Elevation (ft msl)	July 19, 2016 Oil Thickness (ft)	July 19, 2016 Water Table Elevation (ft msl)	October 10, 2016 Oil Thickness (ft)	October 10, 2016 Water Table Elevation (ft msl)
W45	1190.69	0.00	1163.18	0.00	1163.64	0.00	1163.35	0.00	1163.16
W46	1191.49	0.00	1162.47	0.00	1163.01	0.00	1162.53	0.00	1162.12
W47	1189.37	0.00	1161.48	0.00	1162.18	0.00	1161.31	0.00	1160.50
W48	1189.7	0.00	1161.81	0.00	1162.56	0.00	1161.74	0.00	1161.07
W49	1189.2	0.00	1162.21	0.00	1162.91	0.00	1162.29	0.00	1161.69
W66	1192.41	0.00	1163.82	0.00	1164.19	0.00	1163.73	0.00	1163.21
W67	1191.85	0.00	1163.77	0.00	1164.14	0.00	1163.68	0.00	1163.12
W68A	1190.94	0.00	1163.85	0.00	1164.17	0.00	1163.80	0.00	1163.36
W68B	1191.42	0.00	1163.74	0.00	1164.11	0.00	1163.65	0.00	1163.08
W69	1192.23	0.00	1162.96	0.00	1163.45	0.00	1162.96	0.00	1162.57
W70B	1200.29	-----	Abandoned	-----	Abandoned	-----	Abandoned	-----	Abandoned
River	1164.19	-----	-----	-----	-----	-----	-----	-----	-----
IW01	1190.8	0.00	1162.59	0.00	1163.15	0.00	1162.67	0.00	1162.24
IW01A	1190.74	0.00	1162.61	0.00	1163.15	0.00	1162.67	0.00	1162.25
FP01	1188.04	0.00	1159.55	0.00	1161.21	0.00	1158.81	0.00	1157.48
FP02	1187.6	0.00	1161.06	0.00	1161.73	0.00	1160.87	0.00	1159.83
FP03	1186.66	0.00	1159.77	0.00	1160.61	0.00	1159.34	0.00	1158.60
FP04	1188.29	0.00	1160.76	0.00	1161.72	0.00	1160.67	0.00	1159.45
3M Basin		0.00	Water in both Basins	0.00	Water in both Basins	0.00	Water in both Basins	0.00	Water in both Basins
DFOWM 5	1188.3	0.00	1163.35	-----	-----	0.00	1163.27	-----	-----
DFOWM 9	1187.56	-----	Abandoned	-----	Abandoned	-----	Abandoned	-----	Abandoned
DFOWM 10A	1187.7	-----	Abandoned	-----	Abandoned	-----	Abandoned	-----	Abandoned
DFOWM 11	1188.8	0.00	1162.02	-----	-----	0.00	1161.77	-----	-----
DFOWM 12	1187.78	0.00	1163.05	-----	-----	0.00	1162.99	-----	-----
W71	1191.95	0.00	1165.82	0.00	1166.06	0.00	1165.81	0.00	1165.41
W72	1190.97	0.00	1164.36	0.00	1164.74	0.00	1164.27	0.00	1163.88
W73	1192.20	0.00	1163.29	0.00	1163.78	0.00	1163.18	0.00	1162.85
W74	1183.13	0.00	1162.77	0.00	1163.31	0.00	1162.63	0.00	1162.28

Notes:
1. ft msl = feet mean sea level
2. PW9O denotes the outer well and PW9I denotes the inner well
3. Re-surveyed after Soil Mound removal in 2015
4. ----- = well not measured

Updated : T. Dushek, 10/11/16
Checked : K. Quinn, 4/25/17

TABLE 4

Groundwater Measurements During Lake Wausau Drawdown
Wauleco, Inc.
Wausau, Wisconsin

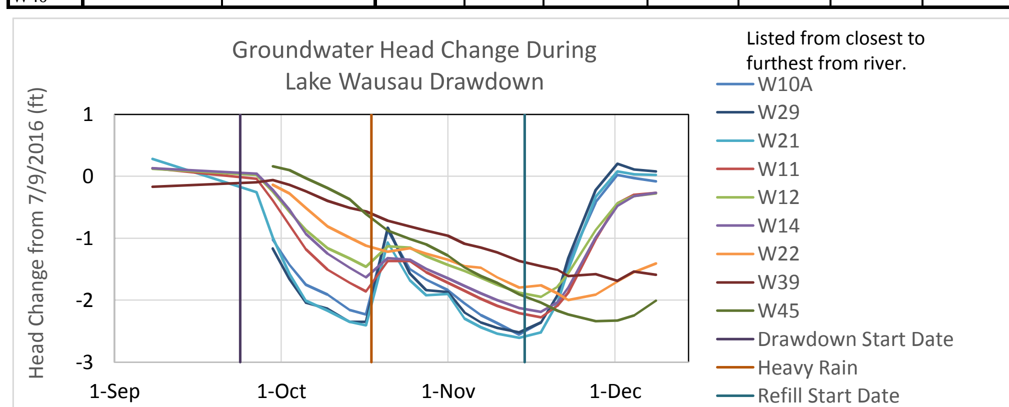
Well	Approximate Elev. Of Residual Phase Product		Groundwater Elevation																								
	Top Elev. (ft)	Bottom Elev. (ft)	7/19/2016	9/8/2016	9/24/2016	9/27/2016	9/30/2016	10/3/2016	10/6/2016	10/10/2016	10/14/2016	10/17/2016	10/21/2016	10/25/2016	10/28/2016	11/1/2016	11/4/2016	11/7/2016	11/10/2016	11/14/2016	11/18/2016	11/21/2016	11/23/2016	11/28/2016	12/2/2016	12/5/2016	12/9/2016
W10A	1161.1	1159.7	**1160.98**	-		-	**1159.95**	***1159.55***	***1159.23***	***1159.07***	***1158.82***	***1158.75***	**1160.11**	***1159.48***	***1159.31***	***1159.14***	***1158.93***	***1158.74***	***1158.61***	***1158.42***	***1158.62***	***1159.04***	***1159.57***	**1160.56**	**1161.00**	**1160.95**	**1160.90**
W11	None present	None present	1160.94	1161.07		1160.9	1160.55	1160.15	1159.76	1159.43	1159.22	1159.08	1159.57	1159.57	1159.39	1159.22	1159.09	1158.96	1158.85	1158.73	1158.66	1158.85	1159.06	1159.93	1160.5	1160.64	1160.67
W12	None present	None present	1160.58	1160.7		1160.6	1160.33	1160	1159.71	1159.42	1159.25	1159.12	1159.45	1159.43	1159.29	1159.15	1159.05	1158.94	1158.83	1158.7	1158.63	1158.79	1159.01	1159.71	1160.14	1160.26	1160.3
W14	None present	None present	1159.62	1159.75		1159.66	1159.4	1159.08	1158.69	1158.37	1158.14	1157.99	1158.3	1158.27	1158.12	1157.97	1157.85	1157.73	1157.62	1157.49	1157.43	1157.58	1157.82	1158.63	1159.14	1159.3	1159.35
W21	None present	None present	1160.78	1161.06		1160.52	1159.79	1159.2	1158.77	1158.61	1158.43	1158.37	1159.71	1159.1	1158.86	1158.88	1158.48	1158.34	1158.24	1158.17	1158.26	1158.73	1159.27	1160.45	1160.86	1160.81	1160.8
W22	1160.5	1159.5	1161.68	-		-	1161.54	1161.4	1161.17	1160.87	1160.69	1160.56	**1160.46**	1160.52	**1160.43**	**1160.33**	**1160.23**	**1160.2**	**1160.05**	**1159.88**	**1159.92**	**1159.79**	**1159.68**	**1159.77**	**1159.98**	**1160.13**	**1160.27**
W29	None present	None present	1160.81	-	Start Lake Wausau Drawdown	-	1159.64	1159.15	1158.77	1158.67	1158.46	1158.46	1159.98	1159.24	1158.97	1158.94	1158.61	1158.45	1158.36	1158.29	1158.45	1158.89	1159.49	1160.59	1161.01	1160.92	1160.89
W39	1160.3	1159.5	1162.76	1162.59		1162.66	1162.7	1162.62	1162.52	1162.36	1162.25	1162.19	1162.04	1161.95	1161.88	1161.8	1161.67	1161.61	1161.53	1161.39	1161.31	1161.25	1161.15	1161.18	1161.07	1161.22	1161.17
W45	1161	1156	1163.35	-		-	1163.51	1163.45	1163.32	1163.16	1162.98	1162.74	1162.47	1162.34	1162.25	1162.07	1161.88	1161.74	1161.63	1161.44	1161.31	1161.18	1161.12	1161.01	1161.02	1161.1	1161.34
W3A	1160.5	1159.2	1161.81							1160.95										**1159.93**							
W17	1160.5	1159.2	1162.05							1161.19										**1160.09**							
W18	None present	None present	1160.98							1159.06										1158.63							
W26	None present	None present	1160.98							1159.22										1158.65							
W40	1160	1159.6	1161.63							1160.72										1159.76[(1)]							

Lake Wausau Stage Notes: Oct. 4: 4.8 ft. drawdown in Lake Wausau.
Oct. 18: Large amount of rain north of Wausau resulted in 3-4 ft rise in river level.
Nov. 15: Refilling started at 2"/day, increasing to 6"/day by Nov. 19.

Bold = Groundwater elevation below top of residual phase product
Bold Italics = Groundwater elevation below bottom of residual phase product

Footnotes:
(1) Only apparent product thickness detected was at well W40 on 11/14/2016.

Well			Head Changes from July 9, 2016 Groundwater Elevations																								
W10A							-1.03	-1.43	-1.75	-1.91	-2.16	-2.23	-0.87	-1.5	-1.67	-1.84	-2.05	-2.24	-2.37	-2.56	-2.36	-1.94	-1.41	-0.42	0.02	-0.03	-0.08
W11				0.13		-0.04	-0.39	-0.79	-1.18	-1.51	-1.72	-1.86	-1.37	-1.37	-1.55	-1.72	-1.85	-1.98	-2.09	-2.21	-2.28	-2.09	-1.88	-1.01	-0.44	-0.3	-0.27
W12				0.12		0.02	-0.25	-0.58	-0.87	-1.16	-1.33	-1.46	-1.13	-1.15	-1.29	-1.43	-1.53	-1.64	-1.75	-1.88	-1.95	-1.79	-1.57	-0.87	-0.44	-0.32	-0.28
W14				0.13		0.04	-0.22	-0.54	-0.93	-1.25	-1.48	-1.63	-1.32	-1.35	-1.5	-1.65	-1.77	-1.89	-2	-2.13	-2.19	-2.04	-1.8	-0.99	-0.48	-0.32	-0.27
W21				0.28		-0.26	-0.99	-1.58	-2.01	-2.17	-2.35	-2.41	-1.07	-1.68	-1.92	-1.9	-2.3	-2.44	-2.54	-2.61	-2.52	-2.05	-1.51	-0.33	0.08	0.03	0.02
W22							-0.14	-0.28	-0.51	-0.81	-0.99	-1.12	-1.22	-1.16	-1.25	-1.35	-1.45	-1.48	-1.63	-1.8	-1.76	-1.89	-2	-1.91	-1.7	-1.55	-1.41
W29							-1.17	-1.66	-2.04	-2.14	-2.35	-2.35	-0.83	-1.57	-1.84	-1.87	-2.2	-2.36	-2.45	-2.52	-2.36	-1.92	-1.32	-0.22	0.2	0.11	0.08
W39				-0.17		-0.1	-0.06	-0.14	-0.24	-0.4	-0.51	-0.57	-0.72	-0.81	-0.88	-0.96	-1.09	-1.15	-1.23	-1.37	-1.45	-1.51	-1.61	-1.58	-1.69	-1.54	-1.59
W45							0.16	0.1	-0.03	-0.19	-0.37	-0.61	-0.88	-1.01	-1.1	-1.28	-1.47	-1.61	-1.72	-1.91	-2.04	-2.17	-2.23	-2.34	-2.33	-2.25	-2.01
W3A										-0.86										-1.88							
W17										-0.86										-1.96							
W18										-1.92										-2.35							
W26										-1.76										-2.33							
W40										-0.91										-1.87							



Prepared by: K. Quinn 3/24/2017
Checked by: T. Dushek 3/29/2017

TABLE 5a

2016 Winter Groundwater Monitoring Analytical Results
January 12, 13, 14, 15, and 19, 2016
Wauleco, Inc. - Wausau Facility
Wausau, Wisconsin

Sample ID	**ES**	**PAL**	**W03A**	**W06R**	**W06R Duplicate**	**W08**	**W10A**	**W10A Duplicate**	**W11**	**W12**	**W13**	**W16**	**W17**	**W17 Duplicate**	**W19**	**W22**	**W25**
Indicators																	
Total sulfate (mg/L)	250	125				22	11	11	14	1.6	9.4	22	2.2	2.5		18	
Nitrate nitrogen (mg/L)	10	2	<0.040	**3.4**	**3.0**	**5.5**					1.0		<0.040	<0.040	**3.1**	0.57	**6**
Total organic carbon (mg/L)	None	None				1	6.3	6.2	1.7	<1.0	2.5	2.1	7	7.1		10	
Dissolved iron	300	150				135	**876**	**911**	<10	50.4	<10	<10	**305**	**599**		23.5	
Dissolved manganese	50	25				<1.6	**2,150**	**2,150**	**106**	<1.6	19.4	<1.6	**467**	**827**		**965**	
TPH as mineral spirits (ug/L)	None	None				<27	1000	950	59	<26	<27	<27	1500	3400		2100	
Phenols																	
2,3,4,6-Tetrachlorophenol	None	None	26	140	100	<3.0					<3.0		<10	<10	72	150	<3.0
2,4,5-Trichlorophenol	None	None	<13	<51	<51	<3.0					<3.0		<5.2	<5.2	<5.1	<52	<3.0
2,4,6-Trichlorophenol	None	None	<3.0	<12	<12	<3.0					<3.0		<3.0	<3.0	<3.0	<13	<3.0
2,4-Dichlorophenol	None	None	<13	<51	<51	<3.0					<3.0		<5.2	<5.2	<5.1	<52	<3.0
2,4-Dimethylphenol	None	None	<4.5	<18	<18	<3.0					<3.0		<3.0	<3.0	<3.0	<19	<3.0
2,4-Dinitrophenol	None	None	<38	<150	<150	<3.0					<3.0		<15	<15	<15	<160	<3.0
2,6-Dichlorophenol	None	None	<10	<40	<41	<3.0					<3.0		<4.1	<4.1	<4.1	<42	<3.0
2-Chlorophenol	None	None	<3.0	<12	<12	<3.0					<3.0		<3.0	<3.0	<3.0	<13	<3.0
2-Methylphenol	None	None	<10	<40	<41	<3.0					<3.0		<4.1	<4.1	<4.1	<42	<3.0
2-Nitrophenol	None	None	<7.1	<28	<29	<3.0					<3.0		<3.0	<3.0	<3.0	<29	<3.0
3- and 4-Methylphenol	None	None	<10	<40	<41	<3.0					<3.0		<4.1	<4.1	<4.1	<42	<3.0
4,6-Dinitro-2-methylphenol	None	None	<15	<61	<61	<3.0					<3.0		<6.2	<6.2	<6.1	<63	<3.0
4-Chloro-3-methylphenol	None	None	<6.8	<27	<28	<3.0					<3.0		<3.0	<3.0	<3.0	<28	<3.0
4-Nitrophenol	None	None	<15	<61	<61	<3.0					<3.0		<6.2	<6.2	<6.1	<63	<3.0
Pentachlorophenol	1	0.1	**440**	**1700**	**1300**	<3.0					<3.0		110	120	610	**1,400**	**4.9**
Phenol	6000	1200	<3.3	<13	<13	<3.0					<3.0		<3.0	<3.0	<3.0	<14	<3.0
Total Phenols			**466**	**1,840**	**1,400**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**110**	**120**	**682**	**1550**	**4.9**

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.

By: T. Dushek 9/29/16
Checked by: A. Voit 10/26/16

TABLE 5a

2016 Winter Groundwater Monitoring Analytical Results
January 12, 13, 14, 15, and 19, 2016
Wauleco, Inc. - Wausau Facility
Wausau, Wisconsin

Sample ID	ES	PAL	W26	W27	W28	W33	W39	W40	W41	DFOMW5	DFOMW11	DFOMW12	FP2	PW17	Equipment Blank
Indicators															
Total sulfate (mg/L)	250	125	36	38	16	17							2.5	13	<1
Nitrate nitrogen (mg/L)	10	2	**3.1**			0.10	0.23	<0.040	0.27						<0.040
Total organic carbon (mg/L)	None	None	2.3	18	1.3	6.7							7.9	7	1
Dissolved iron (mg/L)	300	150	<10	**7,020**	<10	**1,680**							**12,200**	**8,310**	<10
Dissolved manganese (mg/L)	50	25	**265**	**17,800**	<1.6	**1,430**							**7,000**	**3,730**	<1.6
TPH as mineral spirits (ug/L)	None	None	60	7000	<27	12000							3700	1800	27
Phenols															
2,3,4,6-Tetrachlorophenol	None	None	27			660	<100	1,300	260						<3.0
2,4,5-Trichlorophenol	None	None	<3.0			<110	<52	<130	<100						<3.0
2,4,6-Trichlorophenol	None	None	<3.0			<26	<12	<30	<25						<3.0
2,4-Dichlorophenol	None	None	<3.0			<110	<52	<130	<100						<3.0
2,4-Dimethylphenol	None	None	<3.0			<38	<19	<45	<37						<3.0
2,4-Dinitrophenol	None	None	<7.7			<320	<150	<380	<310						<3.0
2,6-Dichlorophenol	None	None	<3.0			<85	<41	<100	<82						<3.0
2-Chlorophenol	None	None	<3.0			<26	<12	<30	<25						<3.0
2-Methylphenol	None	None	<3.0			<85	<41	<100	<82						<3.0
2-Nitrophenol	None	None	<3.0			<60	<29	<71	<58						<3.0
3- and 4-Methylphenol	None	None	<3.0			<85	<41	<100	<82						<3.0
4,6-Dinitro-2-methylphenol	None	None	<3.1			<130	<62	<150	<120						<3.0
4-Chloro-3-methylphenol	None	None	<3.0			<57	<28	<68	<56						<3.0
4-Nitrophenol	None	None	<3.1			<130	<62	<150	<120						<3.0
Pentachlorophenol	1	0.1	**260**			**4,200**	**1,600**	**12,000**	**5,200**	<3.0	**3,100**	**5,900**			<3.0
Phenol	6000	1200	<3			<28	<13	<33	<27						<3.0
Total Phenols			**287**	**-**	**-**	**4,860**	**1,600**	**13,300**	**5,460**	**0**	**3,100**	**5,900**	**-**	**-**	**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.

By: T. Dushek 9/29/16
Checked by: A. Voit 10/26/16

TABLE 5b

2016 Summer Groundwater Monitoring Analytical Results
July 1, 5, 6, 7, 11, and 12, 2016
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	W16	W17	W18	W19
Indicators																				
Total sulfate (mg/L)	250	125							18		12	11		15	25.0	16	21	2.7		
Nitrate nitrogen (mg/L)	10	2	**4.4**	1.6	1.6	<0.040	**3.9**	**4.6**	**3.5**	<0.040	<0.040	<0.040	0.60	1.4	**6.1**	0.99	**5.4**	<0.040	0.60	1.6
Total organic carbon (mg/L)	None	None							0.86		7.3	6.5		1.1	1.8	3.1	1.4	87		
Dissolved iron	300	150							32.1		**1070**	**1070**		<10	<10	128	<10	**850**		
Dissolved manganese	50	25							<1.6		**2390**	**2390**		**79.7**	<1.6	**40.7**	<1.6	**1410**		
Dissolved mercury	2	0.2	0.042	0.063	0.065	0.046	0.09	0.15	0.030	0.059	0.19	0.18	0.051	0.096	0.093	0.095	0.094	0.052	<0.020	0.074
TPH as mineral spirits	None	None	410	2400	2900	2900	<33	400	<34	51	950	970	<34	<34	<33	<33	<33	1400	<34	310
Phenols																				
2,3,4,6-Tetrachlorophenol	None	None	2.5	67	57	39	<3.0	14	<3.0	<3.0	58	61	0.61	6.5	<3.0	<3.0	<3.0	1.3	<3.0	77
2,4,5-Trichlorophenol	None	None	<3.0	<6.1	<6.1	<3.0	<3.0	<3.0	<3.0	<3.0	<6.3	<6.1	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
2,4,6-Trichlorophenol	None	None	<3.0	<26	<26	<13	<3.0	<3.0	<3.0	<3.0	<26	<25	<3.0	<5.2	<3.0	<3.0	<3.0	<3.0	<3.0	<5.1
2,4-Dichlorophenol	None	None	<3.0	<6.6	<6.6	<3.3	<3.0	<3.0	<3.0	<3.0	<6.8	<6.6	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
2,4-Dimethylphenol	None	None	<3.0	<10	<10	<5.1	<3.0	<3.0	<3.0	<3.0	<11	<10	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
2,4-Dinitrophenol	None	None	<3.0	<15	<15	<7.3	<3.0	<3.0	<3.0	<3.0	<15	<15	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
2,6-Dichlorophenol	None	None	<3.0	<20	<20	<10	<3.0	<3.0	<3.0	<3.0	<21	<20	<3.0	<4.2	<3.0	<3.0	<3.0	<3.0	<3.0	<4.1
2-Chlorophenol	None	None	<3.0	<6.1	<6.1	<3.0	<3.0	<3.0	<3.0	<3.0	<6.3	<6.1	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
2-Methylphenol	None	None	<3.0	<7.7	<7.7	<3.8	<3.0	<3.0	<3.0	<3.0	<7.9	<7.6	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
2-Nitrophenol	None	None	<3.0	<6.1	<6.1	<3.0	<3.0	<3.0	<3.0	<3.0	<6.3	<6.1	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
3- and 4-Methylphenol	None	None	<3.0	<8.7	<8.7	<4.3	<3.0	<3.0	<3.0	<3.0	<8.9	<8.6	<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	<15	<15	<7.6	<3.0	<3.0	<3.0	<3.0	<16	<15	<3.0	<3.1	<3.0	<3.0	<3.0	<3.0	<3.0	<3.1
4-Chloro-3-methylphenol	None	None	<3.0	<7.1	<7.1	<3.5	<3.0	<3.0	<3.0	<3.0	<7.4	<7.1	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
4-Nitrophenol	None	None	<3.0	<10	<10	<5.1	<3.0	<3.0	<3.0	<3.0	<11	<10	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Pentachlorophenol	1	0.1	**31**	**1500**	**1400**	**780**	**2**	**210**	<3.0	**0.26**	**1400**	**1500**	**14**	**180**	<3.0	<3.0	<3.0	**60**	<3.0	**660**
Phenol	6000	1200	<3.0	<12	<12	<6.1	<3.0	<3.0	<3.0	<3.0	<13	<12	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Total Phenols			**33.5**	**1567**	**1457**	**819**	**2**	**224**	**0**	**0.26**	**1458**	**1561**	**14.61**	**186.5**	**0**	**0**	**0**	**61.3**	**0**	**737**
Volatile Organics																				
1,2,4-Trimethylbenzene	480 A	96 A	8	**750**	**880**	**310**	<0.40	13	<0.40	<0.40	**150**	**170**	0.9	<0.40	<0.40	<0.40	<0.40	20	<0.40	52
Naphthalene	100	10	1.2	**91**	**110**	**27**	<0.90	1.6	<0.90	1.8	<9.0	<9.0	<0.90	<0.90	<0.90	<0.90	<0.90	3.4	<0.90	3.5
m & p-Xylene	10000**C**	1000**C**	0.81	31	49	21	<0.80	1.5	<0.80	<0.80	15	16	<0.80	<0.80	<0.80	<0.80	<0.80	<1.6	<0.80	2.9
o-Xylene	10000**C**	1000**C**	2.3	95	120	59	<0.40	9.2	<0.40	<0.40	28	31	<0.40	<0.40	<0.40	<0.40	<0.40	4.1	<0.40	12
Total VOCs			**12.31**	**967**	**1159**	**417**	0	**25.3**	**0**	**1.8**	**193**	**217**	**0.9**	**0**	**0**	**0**	**0**	**27.5**	**0**	**70.4**

TABLE 5b

2016 Summer Groundwater Monitoring Analytical Results
July 1, 5, 6, 7, 11, and 12, 2016
Wauleco, Inc. - Wausau Facility
Wausau, Wisconsin

Sample ID	ES	PAL	W21	W22	W25	W26	W27	W28	W29	W29 Duplicate	W32	W33	W36	W39	W40	W41	FP02	PW17	Field Blank 01	DFOMW5	DFOMW11	DFOMW12	DFOMW12 Duplicate	W71	W72	W73	W74
Indicators																											
Total sulfate (mg/L)	250	125		14		40	47	15				13					2.3	15	<1.0								
Nitrate nitrogen (mg/L)	10	2	1.3	0.6	**5.9**	**2.7**	0.17	1.2	1.3	1.1	<0.040	0.15	**5.4**	0.38	<0.040	<0.040			<0.040								
Total organic carbon (mg/L)	None	None		8.9		3.7	23	1				6.4					7.8	5.9	<0.50								
Dissolved iron	300	150		21.1		<10	**8550**	<10				**1600**					**11500**	**5440**	<10								
Dissolved manganese	50	25		**1010**		**221**	**19600** **M**	<1.6				**1500**					**7330** **M**	**3030**	<1.6								
Dissolved mercury	2	0.2	0.092	0.12	0.050	0.042	0.17	<0.020	<0.020 **M**	<0.020	0.092	**0.21**	0.049	0.082	0.12	0.15			0.044								
TPH as mineral spirits	None	None	<35	1,700	<33	<33	4300	<33	600	600	<34	4,800	<33	2000	28,000	2,500	3,000	800	<34	250				<34	<33	<34	<33
Phenols																											
2,3,4,6-Tetrachlorophenol	None	None	<3.0	240	<3.0	46	350	<3.0	710	660	<3.0	430	<3.0	33	830	140			<3.0								
2,4,5-Trichlorophenol	None	None	<3.0	<12	<3.0	<3.0	<12	<3.0	<12	<12	<3.0	<25	<3.0	<3.0	<24	<24			<3.0								
2,4,6-Trichlorophenol	None	None	<3.0	<51	<3.0	<5.1	<51	<3.0	<51	<51	<3.0	<110	<3.0	<10.0	<100	<100			<3.0								
2,4-Dichlorophenol	None	None	<3.0	<13	<3.0	<3.0	<13	<3.0	<13	<13	<3.0	<27	<3.0	<3.0	<26	<27			<3.0								
2,4-Dimethylphenol	None	None	<3.0	<20	<3.0	<3.0	<20	<3.0	<20	<20	<3.0	<42	<3.0	<4.0	<40	<41			<3.0								
2,4-Dinitrophenol	None	None	<3.0	<30	<3.0	<3.0	<30	<3.0	<29	<29	<3.0	<61	<3.0	<5.9	<59	<59			<3.0								
2,6-Dichlorophenol	None	None	<3.0	<41	<3.0	<4.0	<41	<3.0	<40	<40	<3.0	<84	<3.0	<8.1	<81	<82			<3.0								
2-Chlorophenol	None	None	<3.0	<12	<3.0	<3.0	<12	<3.0	<12	<12	<3.0	<25	<3.0	<3.0	<24	<24			<3.0								
2-Methylphenol	None	None	<3.0	<15	<3.0	<3.0	<15	<3.0	<15	<15	<3.0	<32	<3.0	<3.0	<30	<31			<3.0								
2-Nitrophenol	None	None	<3.0	<12	<3.0	<3.0	<12	<3.0	<12	<12	<3.0	<25	<3.0	<3.0	<24	<24			<3.0								
3- and 4-Methylphenol	None	None	<3.0	<17	<3.0	<3.0	<17	<3.0	<17	<17	<3.0	<36	<3.0	<3.4	<34	<35			<3.0								
4,6-Dinitro-2-methylphenol	None	None	<3.0	<31	<3.0	<3.0	<31	<3.0	<30	<30	<3.0	<63	<3.0	<6.1	<61	<61			<3.0								
4-Chloro-3-methylphenol	None	None	<3.0	<14	<3.0	<3.0	<14	<3.0	<14	<14	<3.0	<29	<3.0	<3.0	<28	<29			<3.0								
4-Nitrophenol	None	None	<3.0	<20	<3.0	<3.0	<20	<3.0	<20	<20	<3.0	<42	<3.0	<4.0	<40	<41			<3.0								
Pentachlorophenol	1	0.1	<3.0	**3000**	**3**	**570**	**5,200**	**0.45**	**6600**	**6400**	<3.0	**3300**	**5**	**790**	**9,500**	**6,000**			<3.0	**0.55**	**2900**	**4900**	**4800**	<3.0	<3.0	<3.0	<3.0
Phenol	6000	1200	<3.0	<24	<3.0	<3.0	<24	<3.0	<24	<24	<3.0	<51	<3.0	<4.8	<48	<49			<3.0								
Total Phenols			**0**	**3240**	**3.0**	**616**	**5550**	**0.45**	**7310**	**7060**	**0**	**3730**	**5**	**823**	**10,330**	**6,140**			**0**	**0.55**	**2900**	**4900**	**4800**	**0**	**0**	**0**	**0**
Volatile Organics																											
1,2,4-Trimethylbenzene	480 A	96 A	<0.40	**300**	2.8	0.5	**720**	<0.40	8.2	7.5	<0.40	**170**	0.58	**130**	**1400**	**300**			0.50 **Y**	0.5				<0.40	<0.40	<0.40	<0.40
Naphthalene	100	10	<0.90	**45**	<0.90	<0.90	**91**	<0.90	2.5	2.8	<0.90	9.7	<0.90	**19**	**200**	**42**			<0.90	3.3				<0.90	<0.90	<0.90	<0.90
m & p-Xylene	10000**C**	1000**C**	<0.80	26	<0.80	<0.80	45	<0.80	5.7	5.3	<0.80	12	<0.80	6	120	16			<0.80 **Y**	<0.80				<0.80	<0.80	<0.80	<0.80
o-Xylene	10000**C**	1000**C**	<0.40	89	<0.40	<0.40	130	<0.40	2.4	2.2	<0.40	54	0.6	20	450	110			0.40 **Y**	0.53				<0.40	<0.40	<0.40	<0.40
Total VOCs			**0**	**460**	**2.8**	**0.5**	**986**	**0**	**18.8**	**17.8**	**0**	**245.7**	**1.18**	**175**	**2170**	**468**			**0.9**	**4.33**				**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)
C = ES and PAL for Xylene includes meta-, ortho-, and para- (The PAL has been set at a concentration that is intended to address taste and odor concerns associated with this substance).
H = analyte hold time exceeded.
M = matrix spike and/or spike duplicate recovery outside acceptance limits.
Y = replicate/duplicate precision outside acceptance limits.
2,3,7,8-TCDD = 2,3,7,8 Tetrachlorodibenzo-p-dioxin
2,3,7,8-TCDF = 2,3,7,8 Tetrachlorodibenzofuran

By: T. Dushek 10/5/16
Checked by: A. Voit 10/26/16

TABLE 6

2016 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)	System Effluent Avg PCP Conc. (ug/L)
2016	January	22.66	1,011,532	7,105	5,979	3,569	4,848		5,375	4.52
	February	20.49	855,816	5,595	5,576	5,979	3,873		5,256	1.55
	March	21.88	976,869	3,967	5,825	5,508	4,897		5,049	1.32
	April	22.54	973,586	4,456	4,404	3,859	6,152	4,935	4,761	4.23
	May	21.97	980,729	4,424	3,826	4,464	4,072		4,197	3.55
	June	21.65	935,133	4,203	5,050	4,657	4,066	3,132	4,222	1.30
	July	21.64	966,058	4,469	3,828	4,313	5,004		4,404	1.90
	August	21.32	951,507	3,938	4,700	3,939	3,234		3,953	1.58
	September	21.35	922,282	3,327	3,712	2,964	3,769	2,823	3,319	2.50
	October	23.32	1,041,136	3,654	2,801	2,860	3,699		3,254	5.19
	November	22.44	969,573	2,873	3,117	2,492	3,758		3,060	1.00
	December	22.05	984,437	3,603	4,893	2,837	4,580	3,253	3,833	2.23
	Total Discharged to POTW		11,568,658	gallons				Annual Average	4,223	2.57

Total for Year 2016	11,568,658	gallons
Pounds of PCP treated =	408	pounds
Equivalent product removed [2] =	1,222	gallons

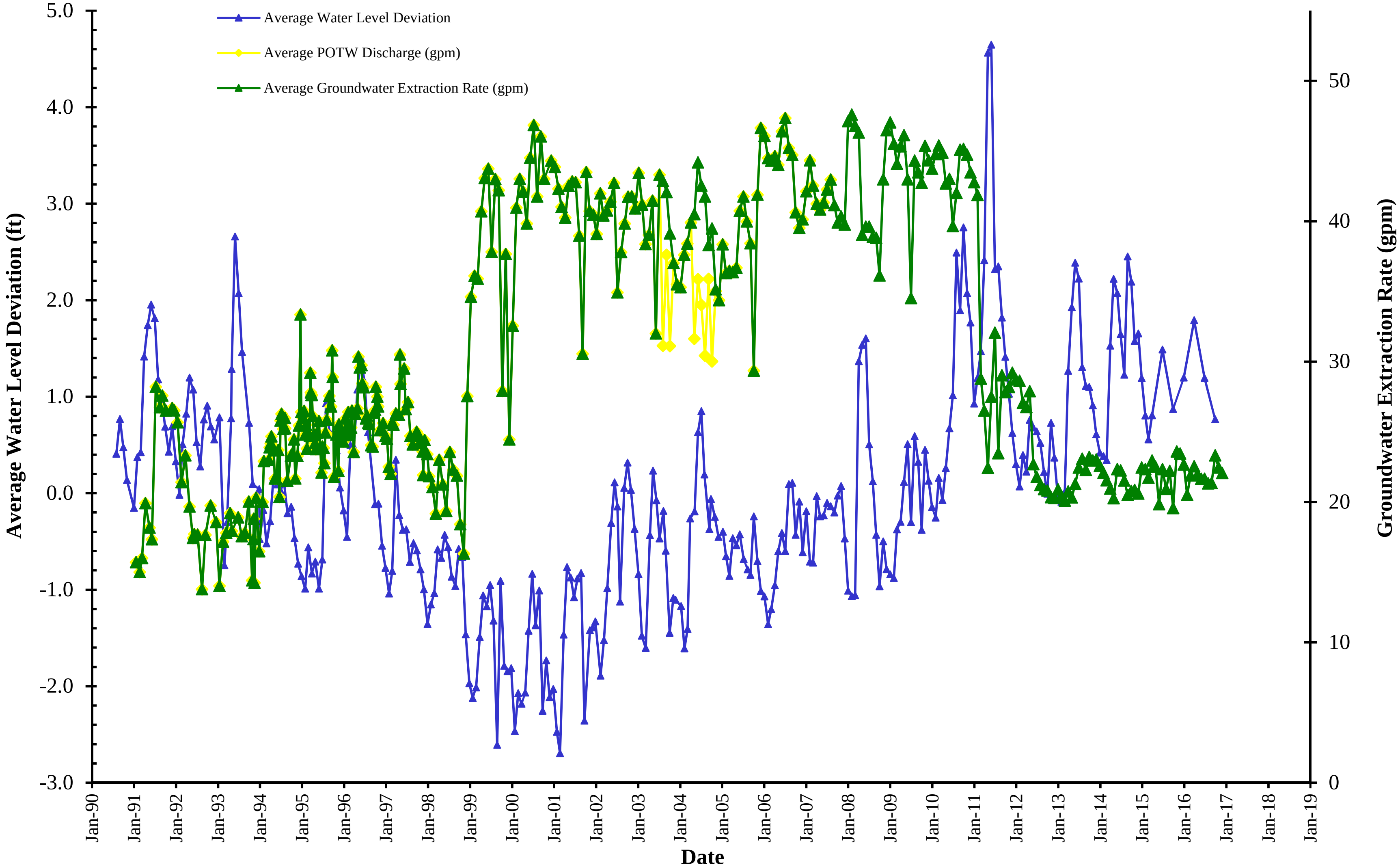
NOTES:
0.264 gallons = 1 liter.
453.6 grams = 1 pound.
PCP = pentachlorophenol.
PCP concentrations from weekly field samples (PCP Conc 1=week 1, etc.) taken of fluidized bed reactor (FBR) influent (Table 1 of Quarterly Reports).
Effluent average PCP concentrations calculated from field sample results taken of system effluent (Table 1 of Quarterly Reports).
gpm = gallons per minute.

FOOTNOTES:
(1) Values from Table 2 of Quarterly Reports.
(2) equation used:
lbs of PCP removed / 5% x (1 gallon water/8.34 pounds water) x (1 pound water/ 0.80 pound product) x (1 gallon product/ 1 gallon water)

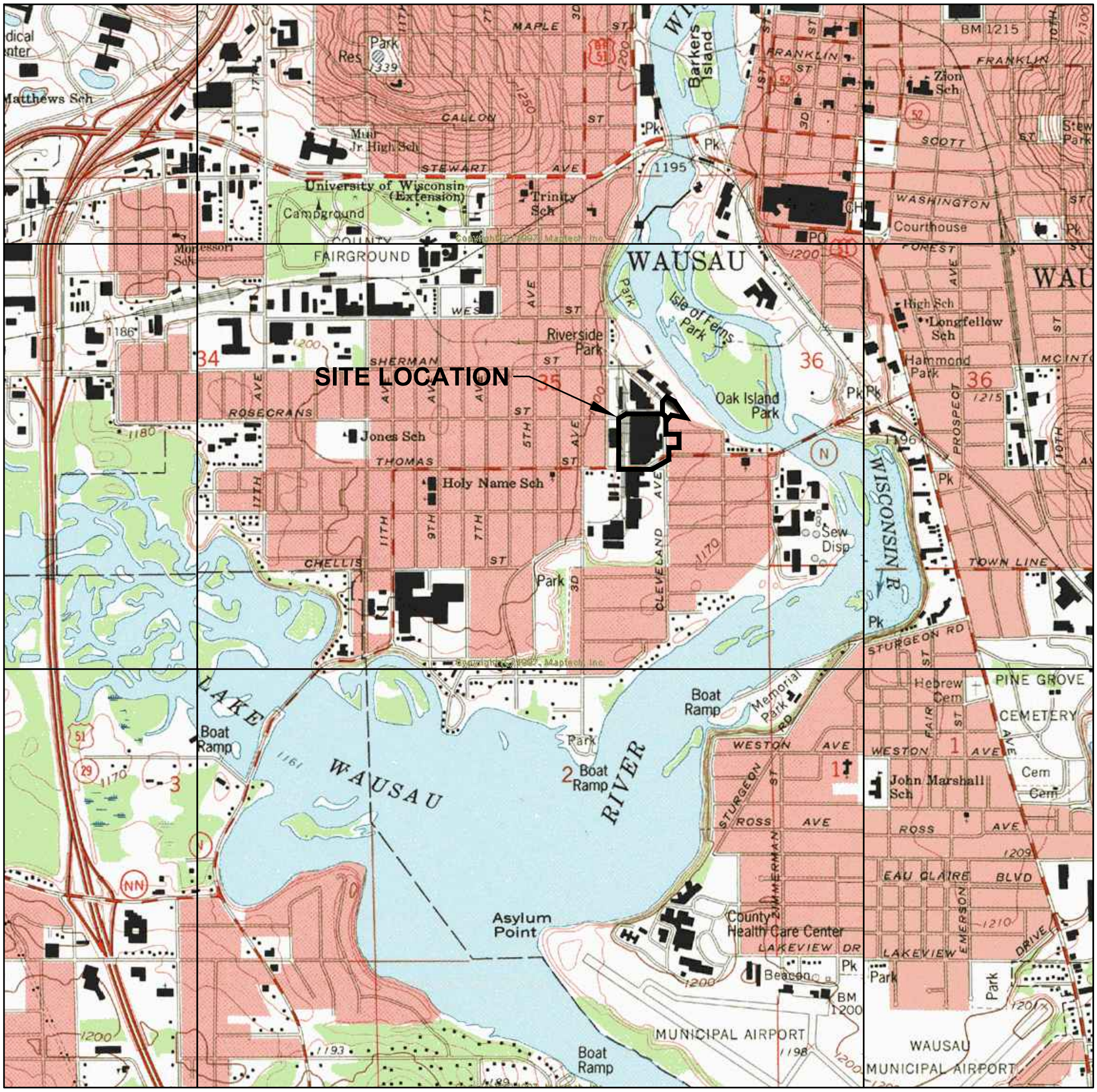
Prepared by: T. Dushek, 1/6/2017 Checked by: K. Quinn, 4/25/2017

FIGURE 1

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

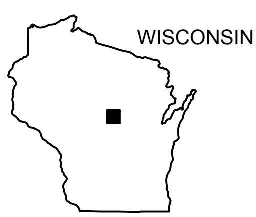


Note: The Average Groundwater Extraction Rate is a monthly average of the flow into the treatment system. The monthly average POTW discharge is less than the total extraction rate during the PPT pilot test due to the injection of treated water into IW01.



NOTE

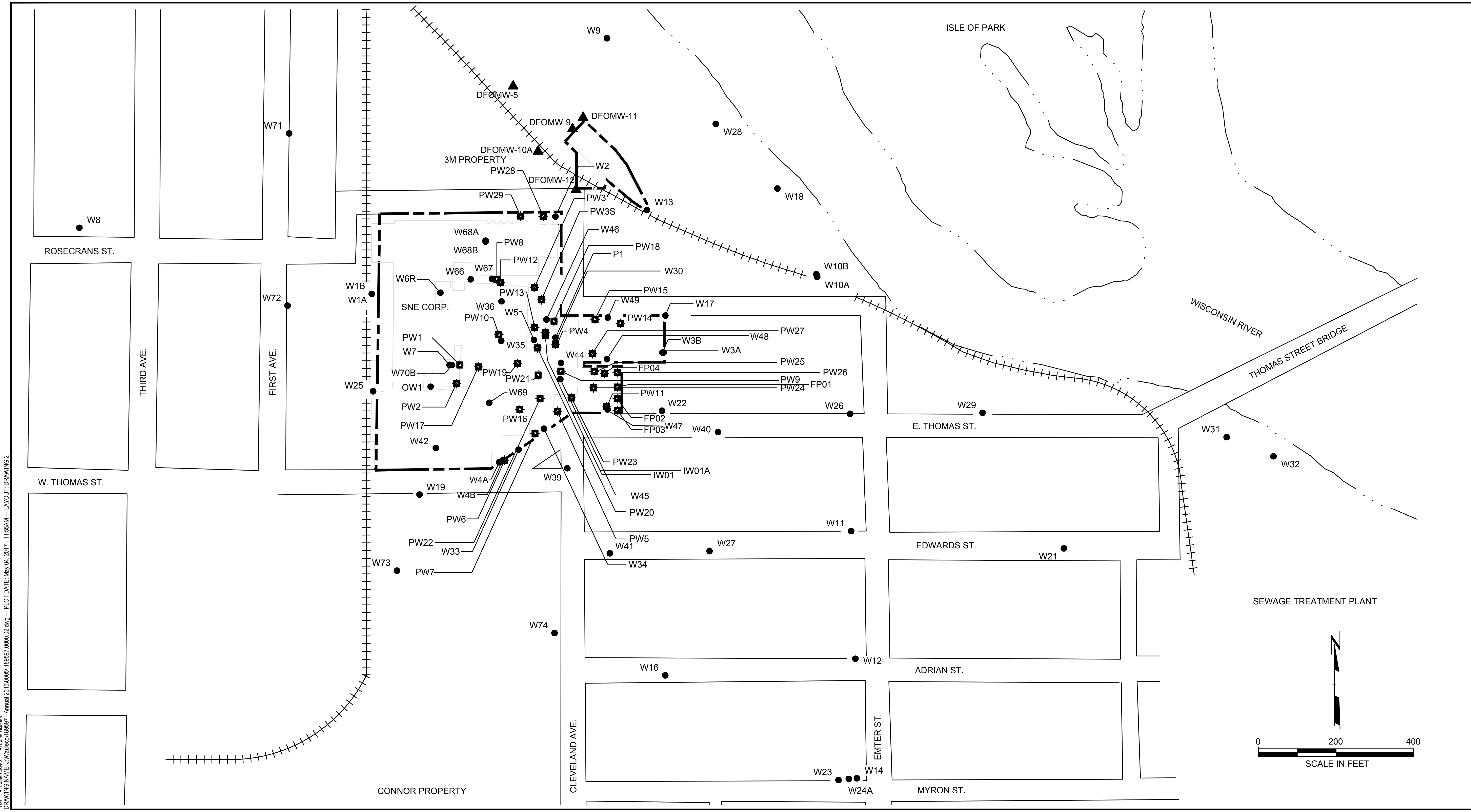
BASE MAP DEVELOPED FROM THE WAUSAU WEST AND WAUSAU EAST, WISCONSIN 7.5 MINUTE U.S.G.S. TOPOGRAPHIC QUADRANGLE MAPS, DATED 1993. PART OF SECTION 35, T29N, R8E



QUADRANGLE LOCATION

PROJECT: WAULECO, INC. ANNUAL GROUNDWATER MONITORING REPORT WAUSAU, WISCONSIN		DRAWN BY:	L. STORMER
		CHECKED BY:	K. QUINN
		APPROVED BY:	B. IVERSON
TITLE: SITE LOCATION MAP		DATE:	MAY 2017
		PROJ. NO.:	189597 - ANNUAL 2016
		FILE:	189597.0000.01.dwg
		DRAWING 1	

DRAWING NAME: J:\Wauleco\189597 - Annual 2016\0005\ 189597.0000.01.dwg --- PLOT DATE: May 04, 2017 - 11:55AM --- LAYOUT: DRAWING 1



LEGEND

W7 ● MONITORING WELL LOCATION AND NUMBER

PW5 ✱ EXTRACTION WELL LOCATION AND NUMBER

DFOMW-9 ▲ (3M) GROUNDWATER MONITORING WELL AND NUMBER

APPROXIMATE PROPERTY LINE

FORMER BUILDING OUTLINE

NOTES

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

TITLE:
SITE FEATURES MAP

DRAWN BY:	L. STORMER	PROJ NO.:	189597 - ANNUAL 2016
CHECKED BY:	K. QUINN		DRAWING 2
APPROVED BY:	B. IVERSON		
DATE:	MAY 2017		

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708 Heartland Trail
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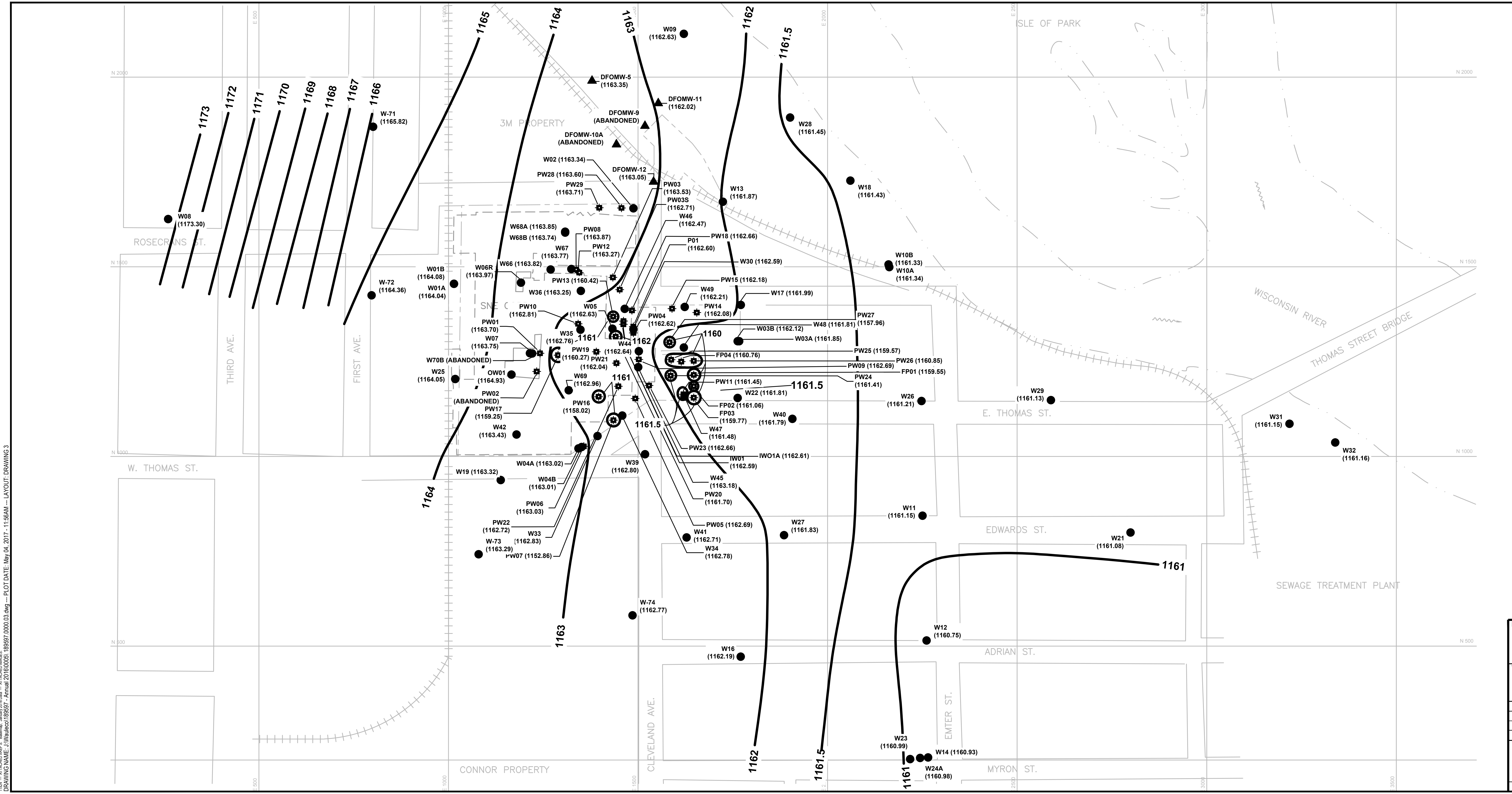
Madison, WI 53717
Phone: 608.826.3600

FILE NO.: 189597.0000.02.dwg

DRAWING NAME: J:\Wauleco\189597 - Annual 2016\0005\189597.0000.02.dwg -- PLOT DATE: May 04, 2017 - 11:55AM -- LAYOUT: DRAWING 2



LEGEND

W17 ● (1161.34) — MONITORING WELL LOCATION, NUMBER AND WATER TABLE ELEVATION

PW12 ✲ (1162.34) — EXTRACTION WELL LOCATION, NUMBER AND WATER TABLE ELEVATION

APPROXIMATE PROPERTY LINE

FORMER BUILDING OUTLINE

—1161— WATER TABLE ELEVATION CONTOUR CONTOUR INTERVAL VARIES (DASHED WHERE INFERRED)

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 25, 2016. ON THIS DATE, THE PUMPING RATE OF THE GROUNDWATER EXTRACTION SYSTEM WAS APPROXIMATELY 22.6 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.

0 200 400

SCALE IN FEET

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

TITLE:
WATER TABLE MAP
JANUARY 25, 2016

DRAWN BY:	L. STORMER	PROJ NO.:	189597 - ANNUAL 2016
CHECKED BY:	K. QUINN		**DRAWING 3**
APPROVED BY:	B. IVERSON		
DATE:	MAY 2017		

TRC

708 Heartland Trail
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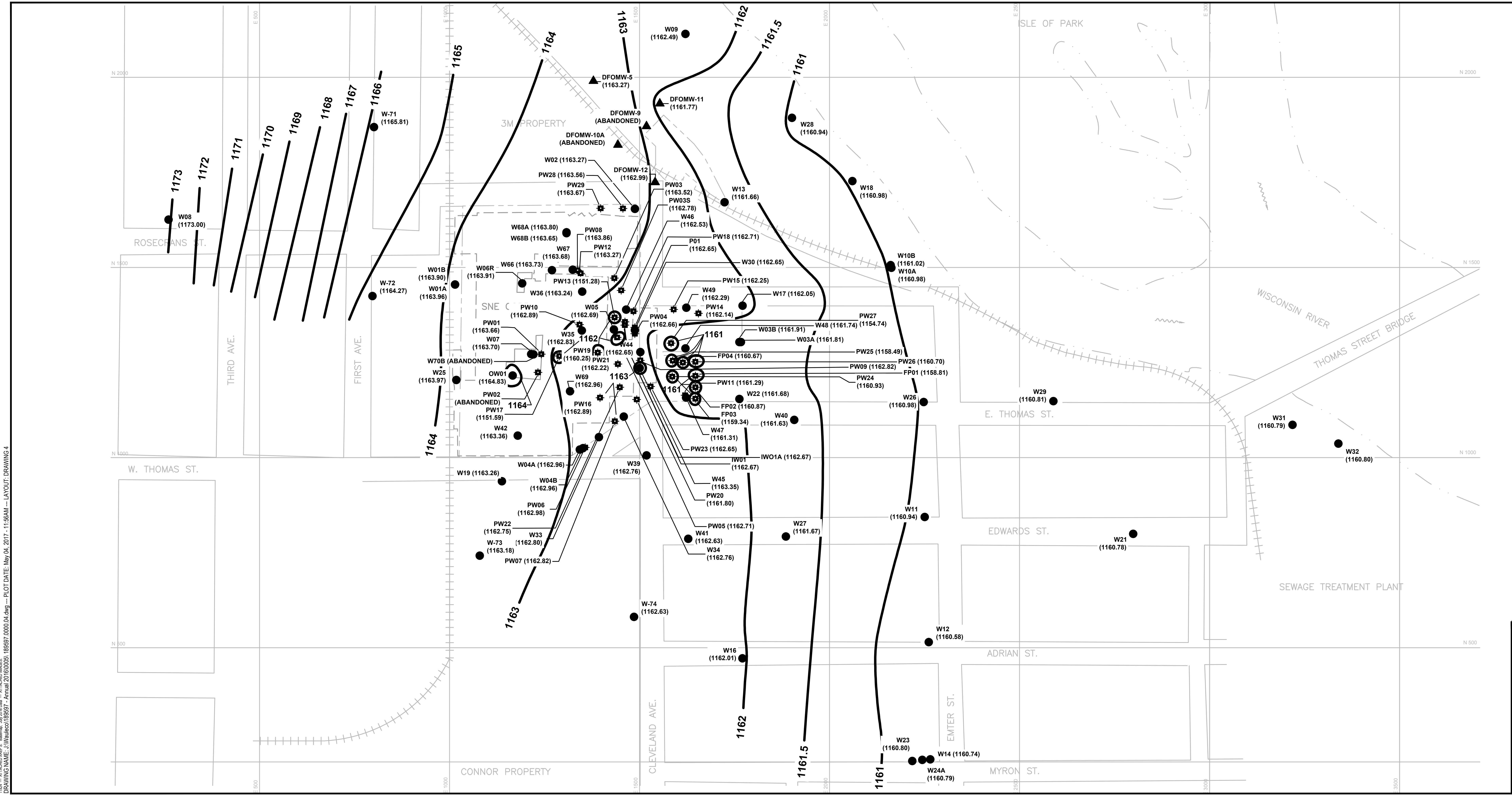
Phone: 608.826.3600

FILE NO.: 189597.0000.03.dwg

DRAWING NAME: J:\Wauleco\189597 - Annual 2016\0005\189597.0000.03.dwg — PLOT DATE: May 04, 2017 - 11:56AM — LAYOUT: DRAWING 3



LEGEND

W17 ● (1161.34) MONITORING WELL LOCATION, NUMBER AND WATER TABLE ELEVATION

PW12 ✲ (1162.34) EXTRACTION WELL LOCATION, NUMBER AND WATER TABLE ELEVATION

APPROXIMATE PROPERTY LINE

FORMER BUILDING OUTLINE

—1161— WATER TABLE ELEVATION CONTOUR CONTOUR INTERVAL VARIES (DASHED WHERE INFERRED)

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 19, 2016. ON THIS DATE, THE PUMPING RATE OF THE GROUNDWATER EXTRACTION SYSTEM WAS APPROXIMATELY 21.2 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.

0 200 400

SCALE IN FEET

PROJECT:

WAULECO, INC.
ANNUAL GROUNDWATER MONITORING REPORT
WAUSAU, WISCONSIN

TITLE:

WATER TABLE MAP JULY 19, 2016

DRAWN BY:	L. STORMER	PROJ NO.:	189597 - ANNUAL 2016
CHECKED BY:	K. QUINN		
APPROVED BY:	B. IVERSON	**DRAWING 4**	
DATE:	MAY 2017		

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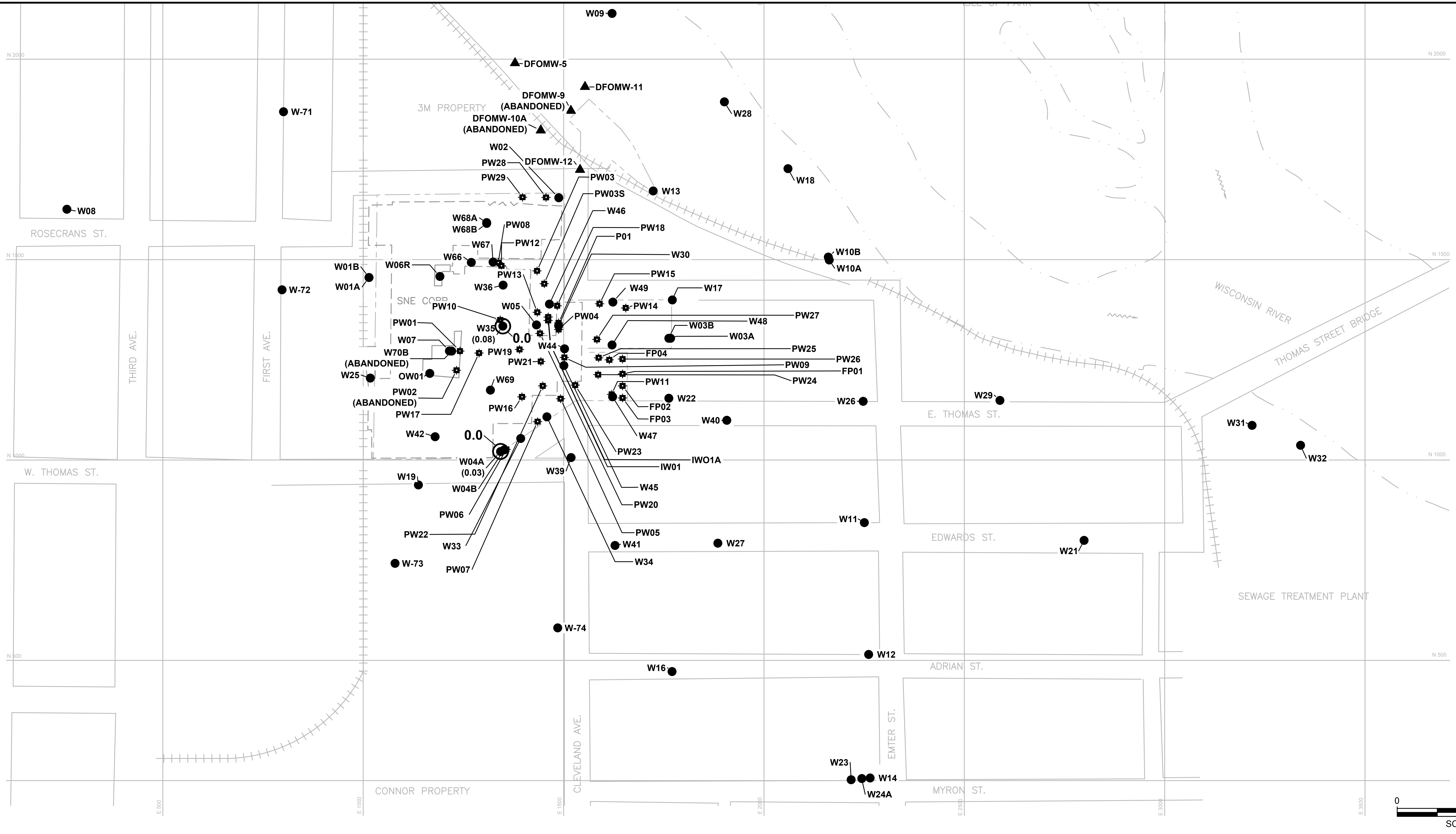
FILE NO.: 189597.0000.04.dwg

DRAWING NAME: J:\Wauleco\189597 - Annual 2016\0000\05 189597.0000.04.dwg — PLOT DATE: May 04, 2017 - 11:56AM — LAYOUT: DRAWING 4



0 200 400

SCALE IN FEET

LEGEND

W17 ● (1.9)	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 5, 2016.
3. ALL WELLS WITH NO PRODUCT THICKNESS VALUE INDICATES A VALUE OF "0.00".

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

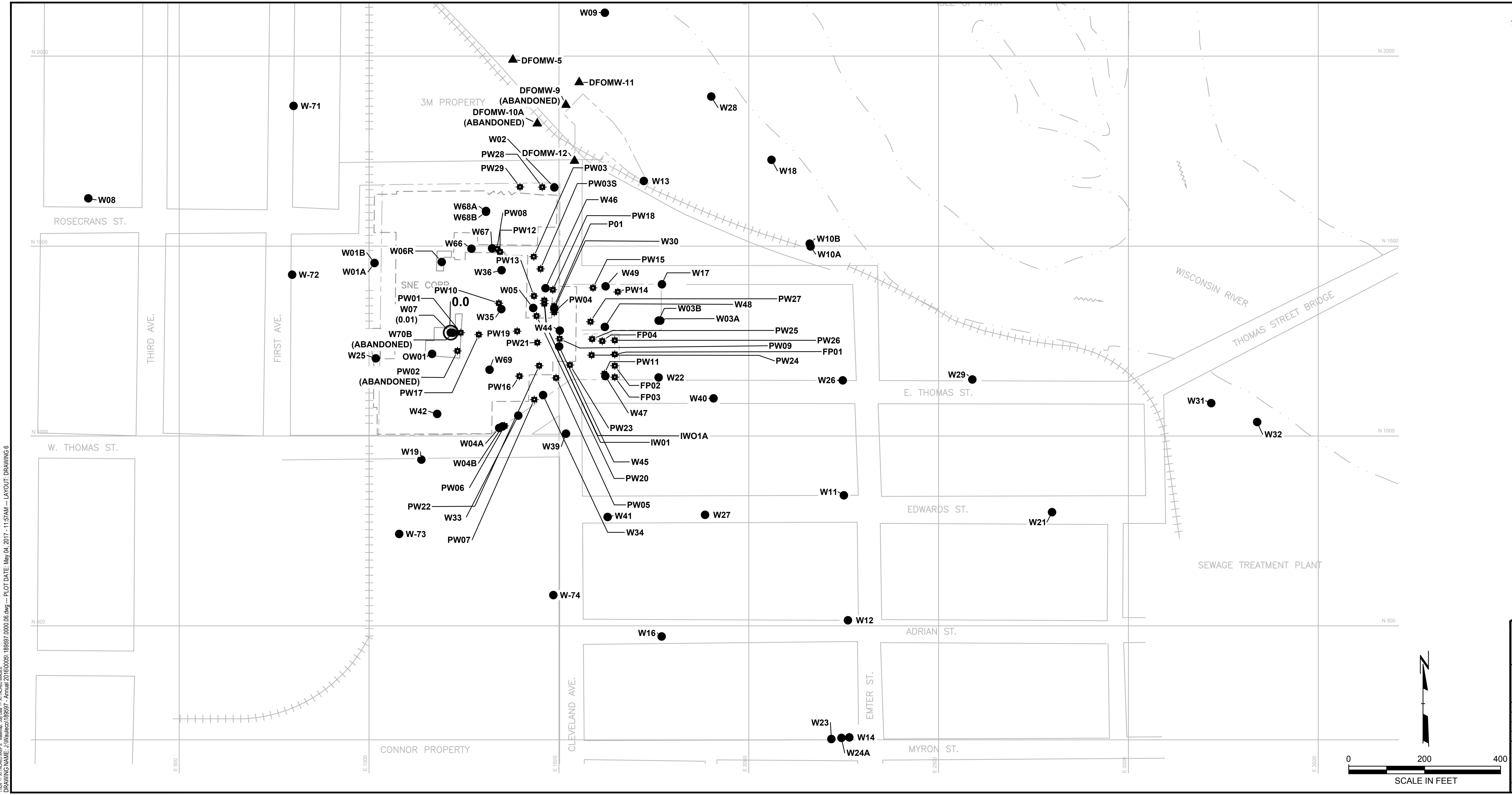
TITLE:
PRODUCT (OIL) THICKNESS MAP
(JANUARY 25, 2016

DRAWN BY:	L. STORMER	PROJ NO.:	189597 - ANNUAL 2016
CHECKED BY:	K. QUINN		DRAWING 5
APPROVED BY:	B. IVERSON		
DATE:	MAY 2017		

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

FILE NO.: 189597.0000.05.dwg

DRAWING NAME: J:\Wauleco\189597 - Annual 2016\0005\ 189597.0000.05.dwg --- PLOT DATE: May 04, 2017 - 11:57AM --- LAYOUT: DRAWING 5



LEGEND

W17 ● (0.00)	MONITORING WELL LOCATION AND PCP CONCENTRATION (ug/L)
PW12 ✲ (0.00)	EXTRACTION WELL LOCATION AND NUMBER
DFOMW-5 ▲	3M GROUNDWATER MONITORING WELL
	APPROXIMATE PROPERTY LINE
	FORMER BUILDING OUTLINE
0.0	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 19, 2016.
3. ALL WELLS WITH NO PRODUCT THICKNESS VALUE INDICATES A VALUE OF "0.00".
4. 3M WELLS DFOMW-9 AND DFOMW-10A WERE ABANDONED BY 3M IN THE SUMMER OF 2015.

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

TITLE:
PRODUCT (OIL) THICKNESS MAP (JULY 19, 2016)

DRAWN BY:	L. STORMER	PROJ NO.:	189597 - ANNUAL 2016
CHECKED BY:	K. QUINN		DRAWING 6
APPROVED BY:	B. IVERSON		
DATE:	MAY 2017		

TRC
708 Heartland Trail
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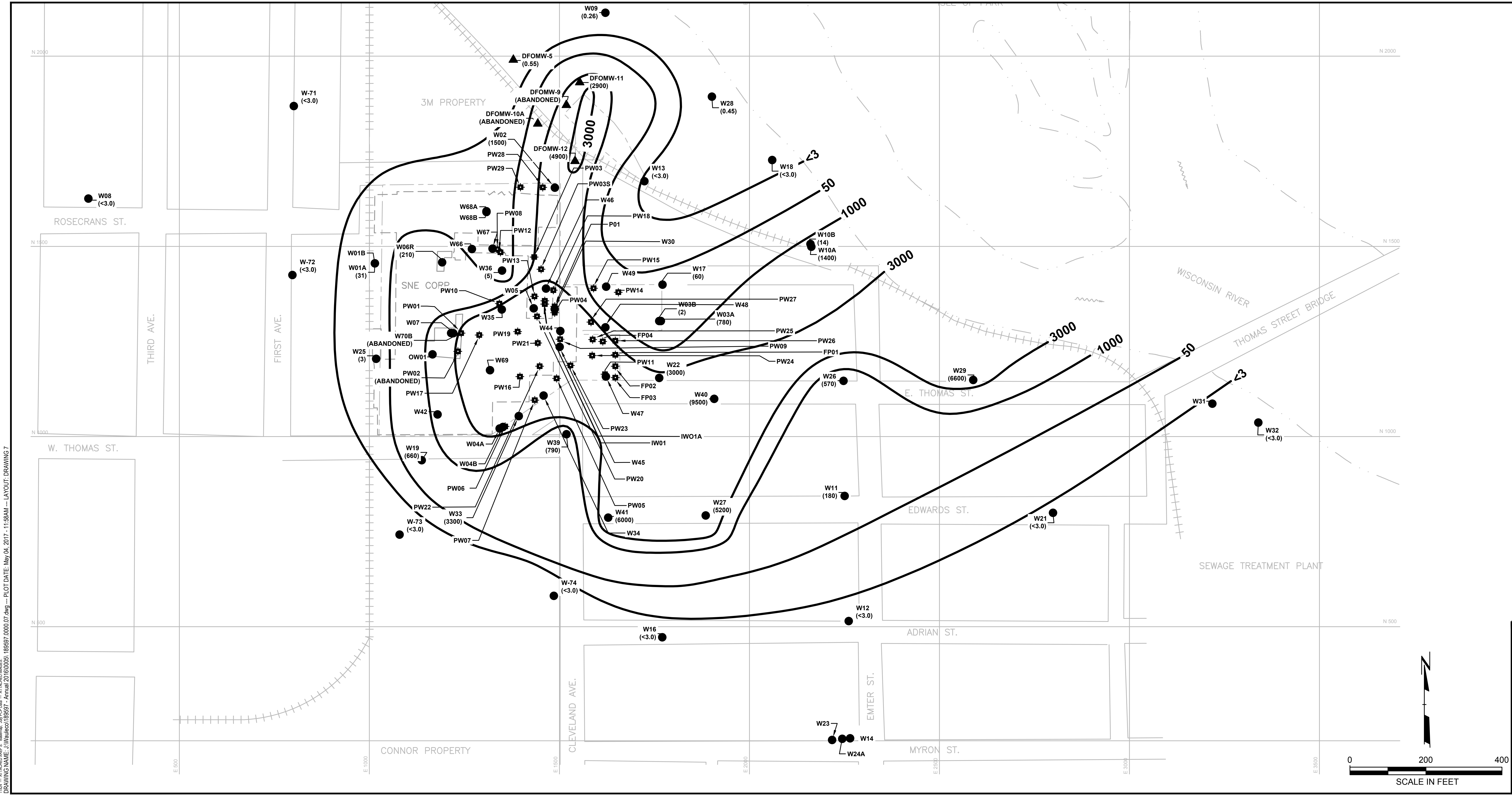
Madison, WI 53717
Phone: 608.826.3600

FILE NO.: 189597.0000.06.dwg

DRAWING NAME: J:\Wauleco\189597 - Annual 2016\0005\189597.0000.06.dwg --- PLOT DATE: May 04, 2017 - 11:57AM --- LAYOUT: DRAWING 6



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)

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 1, 5-7, 11, 12, 2016.
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.

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

TITLE:
PCP ISOCONCENTRATION MAP (JULY 2016)

DRAWN BY:	L. STORMER	PROJ NO.:	189597 - ANNUAL 2016
CHECKED BY:	K. QUINN		**DRAWING 7**
APPROVED BY:	B. IVERSON		
DATE:	MAY 2017		

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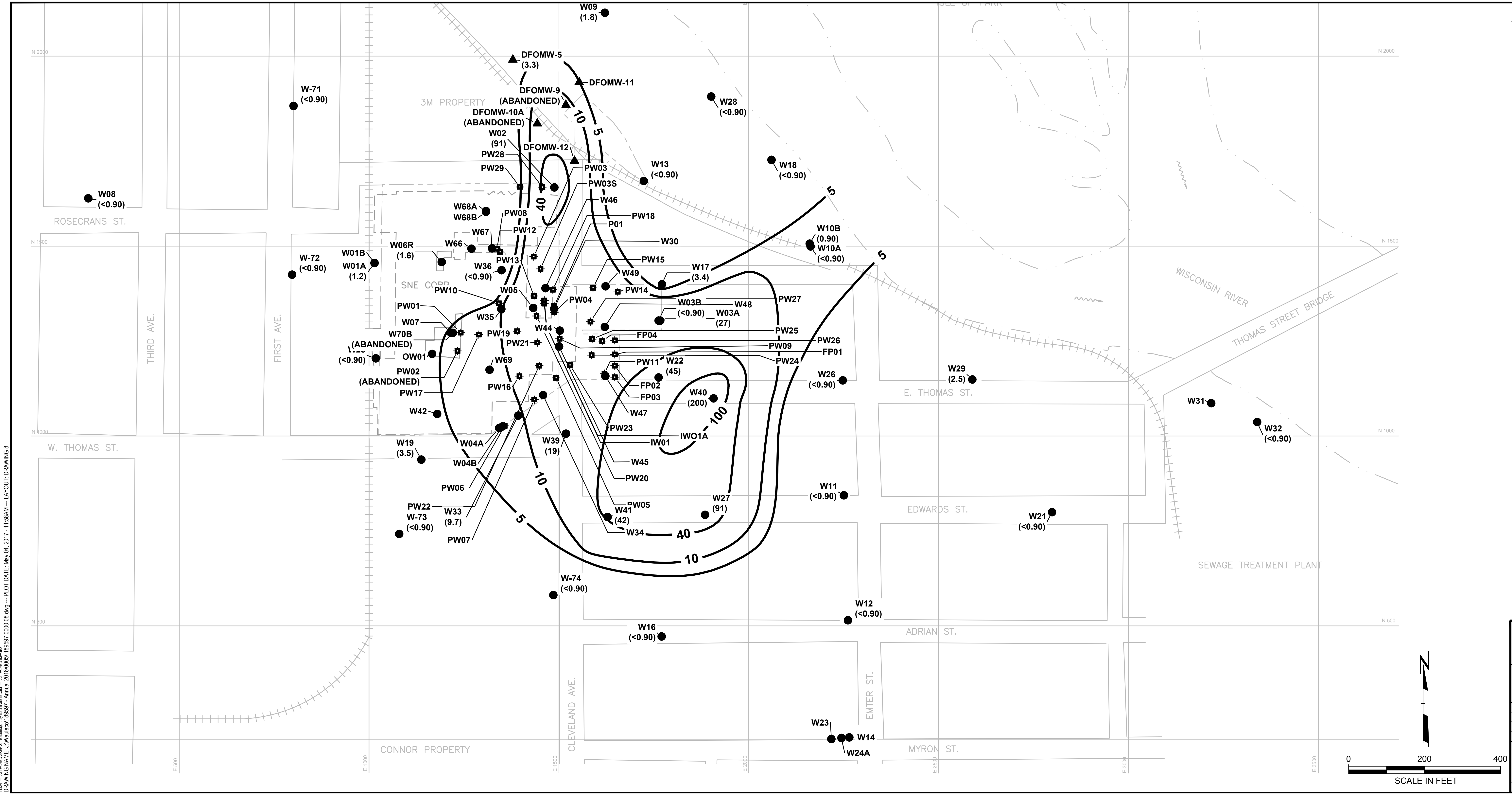
Suite 3000
Madison, WI 53717
Phone: 608.826.3600

FILE NO.: 189597.0000.07.dwg

DRAWING NAME: J:\Wauleco\189597 - Annual 2016\0005\ 189597.0000.07.dwg — PLOT DATE: May 04, 2017 - 11:58AM — LAYOUT: DRAWING 7



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LEGEND

W17 ● (3.4)	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
— 40 —	NAPHTHALENE ISOCONCENTRATION CONTOUR 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 1, 5-7, 11, 12, 2016.
3. ANALYTE CONCENTRATIONS OBTAINED FROM LABORATORY DATA BY CT LABORATORIES, INC.
4. IN WELL CLUSTERS THE VALUE FROM THE SHALLOWEST WELL WAS USED TO DETERMINE ISOCONCENTRATIONS FOR THE ANALYTE.
5. THE NR140 ENFORCEMENT STANDARD (ES) FOR NAPHTHALENE IS 100 ug/L. THE NR140 PREVENTIVE ACTION LIMIT (PAL) FOR NAPHTHALENE IS 10 ug/L.
6. 3M WELLS DOFMW-9 AND DOFMW-10A WERE ABANDONED BY 3M IN THE SUMMER OF 2015.

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

TITLE:
NAPHTHALENE ISOCONCENTRATION MAP (JULY 2016)

DRAWN BY:	L. STORMER	PROJ NO.:	189597 - ANNUAL 2016
CHECKED BY:	K. QUINN		DRAWING 8
APPROVED BY:	B. IVERSON		
DATE:	MAY 2017		

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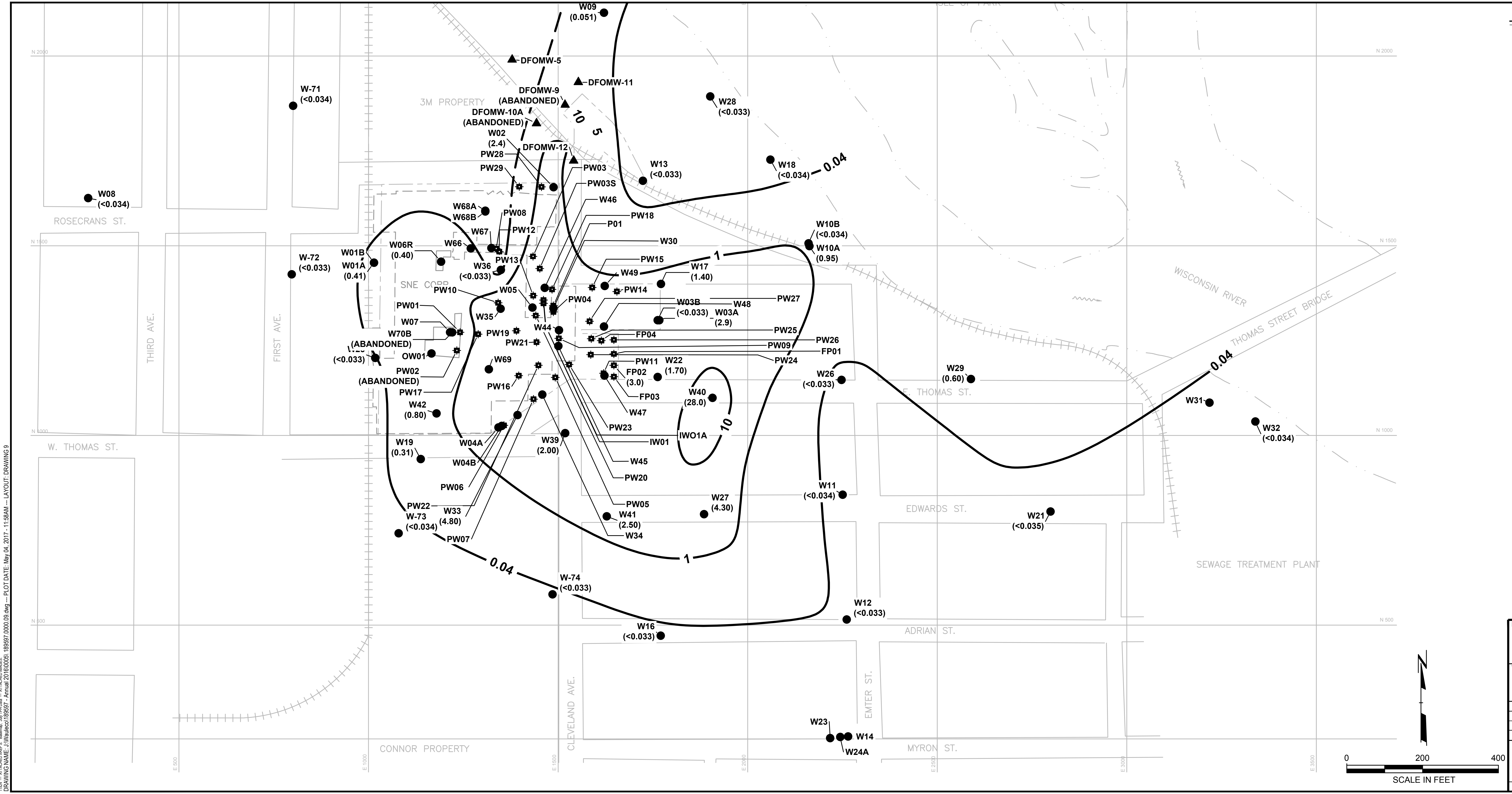
FILE NO.: 189597.0000.08.dwg



LEGEND

W17 ● (1.4)	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

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 1, 5-7, 11, 12, 2016.
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. 3M WELLS DOFMW-9 AND DOFMW-10A WERE ABANDONED BY 3M IN THE SUMMER OF 2015.

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

TITLE: TOTAL PETROLEUM HYDROCARBONS (TPH) AS MINERAL SPIRITS ISOCONCENTRATION MAP (JULY 2016)

DRAWN BY:	L. STORMER	PROJ NO.:	189597 - ANNUAL 2016
CHECKED BY:	K. QUINN		DRAWING 9
APPROVED BY:	B. IVERSON		
DATE:	MAY 2017		

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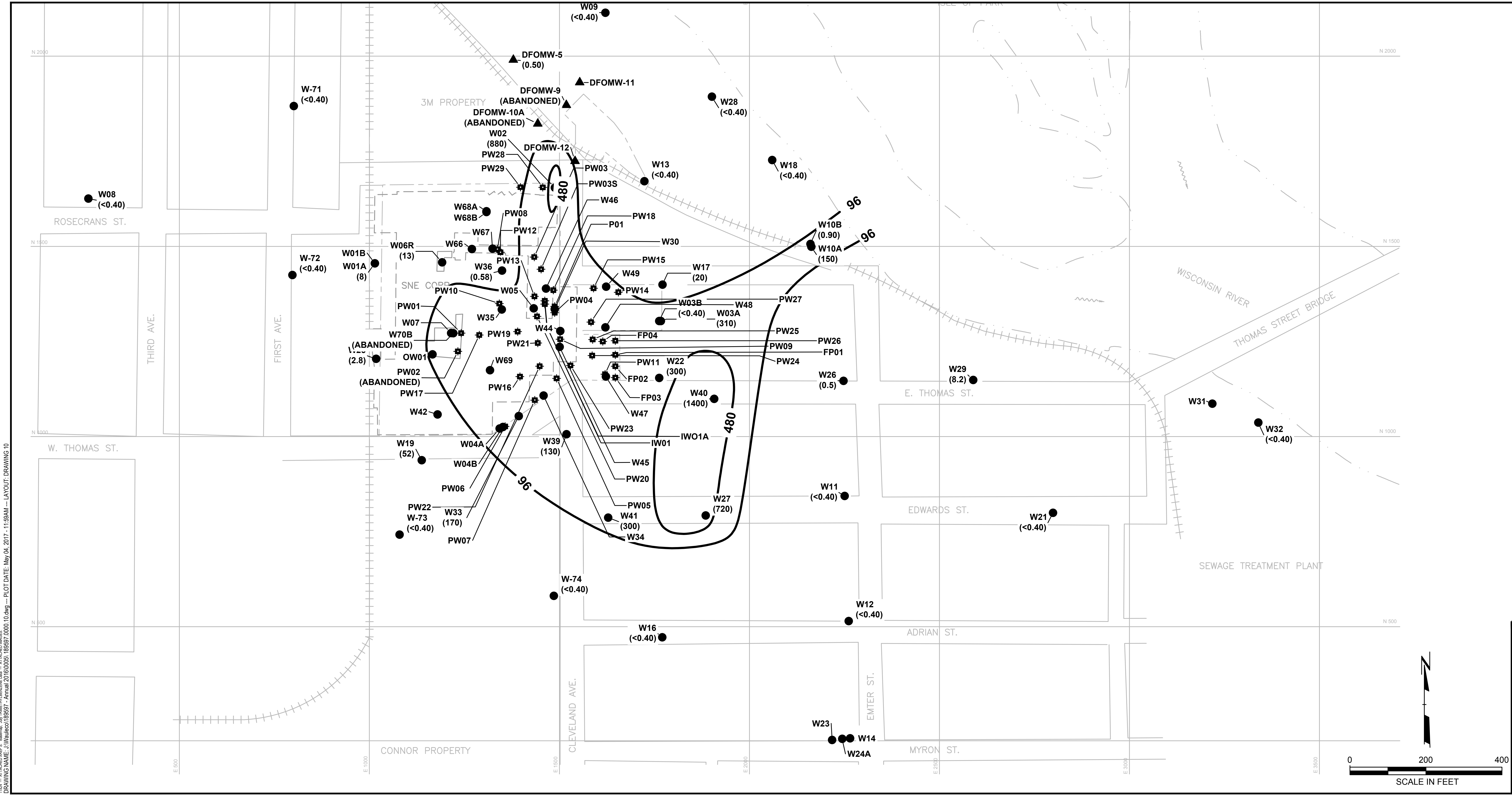
FILE NO.: 189597.0000.09.dwg

DRAWING NAME: J:\Wauleco\189597 - Annual 2016\0005\ 189597.0000.09.dwg --- PLOT DATE: May 04, 2017 - 11:58AM --- LAYOUT: DRAWING 9



LEGEND

W17 ● (20)	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 (μg/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 1, 5-7, 11, 12, 2016.
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 μg/L. THE NR140 PREVENTIVE ACTION LIMIT (PAL) FOR TOTAL TRIMETHYLBENZENES IS 96 ug/L.
6. 3M WELLS DOFMW-9 AND DOFMW-10A WERE ABANDONED BY 3M IN THE SUMMER OF 2015.

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

TITLE:
1,2,4 TRIMETHYLBENZENE ISOCONCENTRATION MAP (JULY 2016)

DRAWN BY:	L. STORMER	PROJ NO.:	189597 - ANNUAL 2016
CHECKED BY:	K. QUINN		
APPROVED BY:	B. IVERSON		DRAWING 10
DATE:	MAY 2017		

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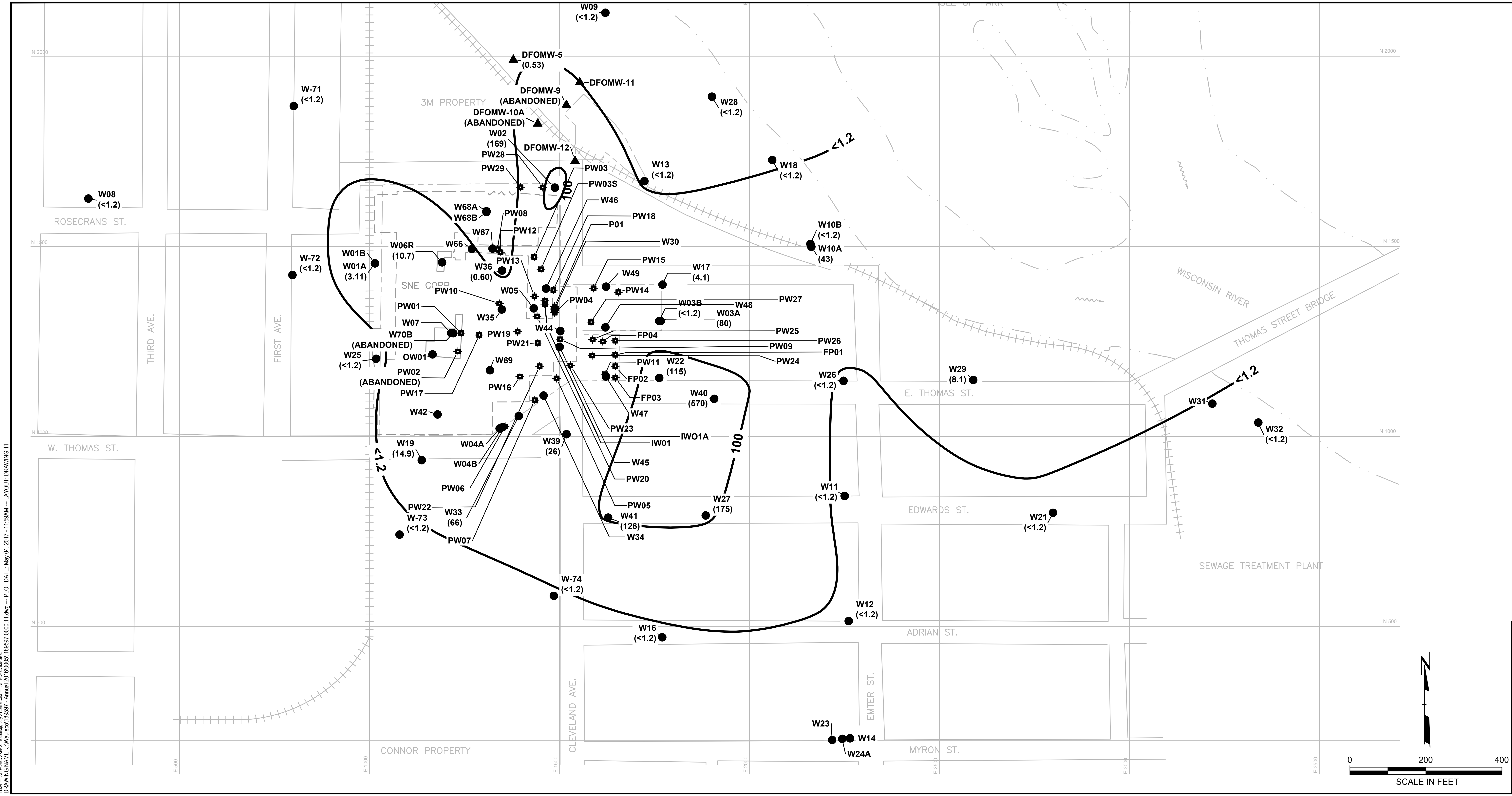
FILE NO.: 189597.0000.10.dwg

DRAWING NAME: J:\Wauleco\189597 - Annual 2016\0000\189597.0000.10.dwg --- PLOT DATE: May 04, 2017 - 11:59AM --- LAYOUT: DRAWING 10



LEGEND

W17 ● (4.1)	MONITORING WELL LOCATION AND TOTAL XYLENE 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 (μg/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 1, 5-7, 11, 12, 2016.
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 XYLENE IS 2,000 μg/L. THE NR140 PREVENTIVE ACTION LIMIT (PAL) FOR TOTAL XYLENE IS 400 μg/L.
6. 3M WELLS DOFMW-9 AND DOFMW-10A WERE ABANDONED BY 3M IN THE SUMMER OF 2015.

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

TITLE:
TOTAL XYLENE ISOCONCENTRATION MAP
(JULY 2016)

DRAWN BY:	L. STORMER	PROJ NO.:	189597 - ANNUAL 2016
CHECKED BY:	K. QUINN		DRAWING 11
APPROVED BY:	B. IVERSON		
DATE:	MAY 2017		

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FILE NO.: 189597.0000.11.dwg

DRAWING NAME: J:\Wauleco\189597 - Annual 2016\0006\ 189597.0000.11.dwg --- PLOT DATE: May 04, 2017 - 11:59AM --- LAYOUT: DRAWING 11

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 | C R E A T I N G B A L A N C E

APPENDIX B

EMAIL CORRESPONDENCE WITH WATER BUREAU

From: Iverson, Bruce
Sent: Thursday, August 07, 2014 1:31 PM
To: Fleming, Kari L - DNR
Cc: Lisa Gutknecht (Lisa.Gutknecht@Wisconsin.gov); Quinn, Kenneth
Subject: Wauleco: In-Stream Waste Concentration Calculation For WDNR
Attachments: 2014-08-07_Draft_Wauleco IWC Calculation.pdf

Kari, attached for your review is the In-Stream Waste Concentration (IWC) calculation for the Wauleco project site located in Wausau, WI. Sheets 2 to 5, and the drawings are associated with calculating the groundwater flow from Wauleco (i.e., the Qe). Ken and I are available to discuss our approach to calculate the Qe with you if that would be a benefit to you. If so, please let me know and I will coordinate a conference call.

As you will see, the IWC as a percentage is 0.032%, and the Qs:Qe Ratio is 3,126:1. Please let us know if you have any questions or comments on this IWC calculation. Based on the results of this IWC, we are also interested in your opinion on the need to perform toxicity testing.

If you have any questions, please contact us. Thanks, Bruce

Bruce Iverson, P.E. (WI)
Senior Project Manager

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Sheet No.	1 of 5
Project No.	189597.0002 P3T2
Date:	8/7/2014
Prepared By:	K. Quinn
Checked By:	B. Iverson

TRC

Subject: Calculate The In-Stream Waste Concentration (IWC)

Wauleco Project Site, Wausau, WI

Purpose: Calculate the In-Stream Waste Concentration (IWC) of groundwater discharged from the Wauleco Project Site to the Wisconsin River.

Approach: The IWC is an estimate of the proportion of effluent (Qe) to the total volume of water, or effluent + receiving water (Qe + Qs).

IWC equation (as %) = 100 * [Qe/{1-f}(Qe + Qs)]
Where Qe=effluent flow; f=fraction of the Qe withdrawn from the receiving water; and Qs = 1/4 of the $Q_{7,10}$
In this case (1-f) is not relevent, so the equation becomes IWC = 100 * [Qe/(Qe + Qs)]

Inputs:

1. The calculated groundwater flow from Wauleco is inserted as Qe
2. Qe = 0.034 cfs (see Sheets 2 to 5)
3. 25% of the 7 day low flow in 10 years of the Wisconsin River ($Q_{7,10}$) is inserted as Qs
4. $Q_{7,10}$ = 425 cfs per Kari Fleming 7-22-14 (one half of the entire 850 cfs flow because the river is split by an island)
5. Qs= 0.25 x 425 cfs = 106.25 cfs

Calculation:

Qe = 0.034 cfs
Qs = 106.25 cfs
IWC = 100 x [0.034/(0.034 + 106.25)]
IWC = 0.032 %

Conclusions: The IWC, as a percentage, is = 0.032 %
Qs:Qe Ratio = 3,126 :1

Wauleco's IWC Qs:Qe ratio of 3,126:1 appears favorable in relation to the WDNR's WET Guidance Document, which uses a guidance threshold of 1,000:1. Even though this is favorable, Wauleco believes the actual results are likely even more favorable when uncertainty is taken into consideration.

Uncertainty Considerations: In consideration of the potential uncertainties associated with certain inputs used to calculate the IWC, the following table summarizes the IWC and Qs:Qe ratios based on different inputs used in the calculations. Specifically, the inputs adjusted based on potential uncertainty, include the following two inputs:

1. One-half of the flow in the Wisconsin River was used since the river is split in two by an island. While flow data is not available for the two channels separately, in consideration of the configuration of the river, it is likely that the flow in the western channel, where Wauleco groundwater would discharge, is more than 1/2 the flow. In addition, the Wauleco groundwater discharges close to where the river converges back to one channel. In consideration of this uncertainty, a flow of 850 cfs was also used below in Scenarios 2 and 4 as the Q7,10 to calculate Qs.
2. A width of 1,000 ft was used as the potential width of groundwater flow from Wauleco to calculate Qe (refer to sheet 4 and Drawing 5). This width is primarily based on PCP concentrations at well W29. From 2000 to 2010, the PCP concentration at W29 was quite stable and low. Since 2011, the PCP concentration has fluctuated. If the width of the potential groundwater flow from Wauleco was based on data from 2000 to 2010 and 2013, the width would be approximately 500 ft (rather than 1,000 ft). In consideration of this uncertainty, a width of 500 ft was also used below in Scenarios 3 and 4 to calculate Qe.

SCENARIO	FLOW IN WISCONSIN RIVER (cfs)	WIDTH OF POTENTIAL GROUNDWATER FLOW FROM WAULECO (ft)	Qs (cfs)	Qe (cfs)	IWC (%)	Qs:Qe Ratio
1 (base)	425	1,000	106.25	0.034	0.032	3,126
2	850	1,000	212.5	0.034	0.016	6,251
3	425	500	106.25	0.017	0.016	6,251
4	850	500	212.5	0.017	0.008	12,501

Summary: We believe that the more likely IWC and Qs:Qe ratio values are somewhere between Scenarios 1 and 4, and likely closer to Scenarios 2 and 3. This is so because when one considers the uncertainty of certain inputs, the IWC as a % and the Qs:Qe ratio improve compared to the base scenario (i.e., Scenario 1). For example, the Q7,10 event is a relatively rare event (with a probability of 1 in 10 years). Secondly, the 1,000 ft wide flow path is also a relatively rare event based on the concentration history at well W29 (3 times in the last 14 years, or about once in 5 years, as shown in the Annual Groundwater Monitoring Reports). These results appear to be higher due to a one time leak in the Wausau water system which caused higher concentrations in this well for a short time. As such, the likelihood that two relatively rare, unrelated events occur simultaneously is very low. Rather, it would appear reasonable that the most likely IWC and Qs:Qe ratio values are somewhere between Scenarios 1 and 4, and likely closer to Scenarios 2 and 3.

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PROJECT NAME	PREPARED		CHECKED		PROJECT/PROPOSAL NO.
Wauleco, Inc	By: K. Quinn	Date: July 2014	By: T. O'Connell	Date: July 2014	189597.0002 P3/T2

Non-Pumping Groundwater Flow Rate Estimate
Wauleco, Inc.

Purpose:

Calculate the groundwater flow rate toward the Wisconsin River under Non-Pumping Conditions.

Methods:

Use Darcy's Law to calculate groundwater flow rates toward the Wisconsin River under non-pumping conditions. Darcy's Law is the governing equation for groundwater flow and is:

$$Q=KiA$$

- Q = Groundwater flow
- K = Hydraulic Conductivity
- i = Groundwater gradient
- A = Area of groundwater flow

Approach is as follows:

1. Estimate bulk hydraulic conductivity of the area using flow nets from water table maps and capture zones from 3 dates with different pumping rates. A flow net analysis provides the most reliable bulk hydraulic conductivity for the area because it has the largest hydraulic stress and creates flow throughout the area of interest.
2. Estimate the gradient through the area of interest that would occur under non-pumping conditions by two methods: water table map configuration from pre-pumping water table map, and from unaffected gradients to the north and south of the current capture zone.
3. Calculate area of flow through the area of interest, using the depth of flow above the underlying clay layer.

Results:

<u>Hydraulic Conductivity Estimate</u>

The water table maps for three dates with different rates for groundwater extraction are included in Drawings 1, 2, and 3, and summarized on Drawing 4. The dates and pumping rates are shown on the drawings and summarized in the following table. The average pumping rate for the week prior to the water level was used as representative of the rate that created the

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PROJECT NAME	PREPARED		CHECKED		PROJECT/PROPOSAL NO.
Wauleco, Inc	By: K. Quinn	Date: July 2014	By: T. O'Connell	Date: July 2014	189597.0002 P3/T2

observed groundwater elevation. The saturated thickness is the distance between the water table and the underlying clay unit. This saturated thickness is reduced from natural conditions due to the pumping. The gradient is measured at the upgradient side of the capture zone on top of the shallow clay unit. The hydraulic conductivity estimate and the average gradient were varied for each date to match the measured groundwater extraction rates for each date. However, the average gradient was kept very close to the estimated value, and varied only slightly so as to match the measured groundwater extraction rates.

No.	ITEM	UNIT	1/13/2010	4/27/2012	7/24/2012
1	Measured Groundwater Extraction Rate	gpm	43.3	29.3	21.7
2	L-width of capture zone	ft	1196	888	640
3	i-gradient	ft/ft	0.0116	0.0106	0.0109
4	Saturated thickness	ft	8	8	8
6	K-hydraulic conductivity	ft/day	75	75	75
7	Calculated Groundwater Flow Rate	ft^3/day	8,324	5,648	4,189
8	Calculated Groundwater Flow Rate	gpm	43.2	29.3	21.8

The estimated bulk hydraulic conductivity from this analysis is 75 ft/day. It is important to note that the calculated groundwater flow rate is virtually identical to the measured groundwater flow rate (compare row 1, measured flow to row 8, calculated flow) for each of the dates using the hydraulic conductivity of 75 ft/day. This demonstrates the hydraulic conductivity is a reliable estimate.

Non-Pumping Groundwater Gradient

The non-pumping groundwater gradient can be estimated through either a pre-pumping water table map or from the groundwater gradient to the north and south of the capture zone, where flow is unaffected by Wauleco's groundwater extraction.

Gradient Calculation:

July 2012 water table map:

- North of capture zone, gradient in vicinity of DFOMW-5 to DFOMW-11 to W28 is approximately 1 ft. in 300 ft.
- South of capture zone, gradient in vicinity of wells W41 to W11 and W16 to W12 is approximately 1 ft. in 600 ft.
- Average gradient between these estimates is 1 ft. in 450 ft., or 0.0022.

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PROJECT NAME	PREPARED		CHECKED		PROJECT/PROPOSAL NO.
Wauleco, Inc	By: K. Quinn	Date: July 2014	By: T. O'Connell	Date: July 2014	189597.0002 P3/T2

Groundwater Flow Rate

The non-pumping groundwater flow rate is calculated using Darcy's Law using the estimated hydraulic conductivity, non-pumping gradient, and flow area. The flow area of concern is the width and thickness of groundwater flow from Wauleco that would flow toward the Wisconsin River under non-pumping conditions. This is estimated as 1,000 ft. between the 50 ug/L contours shown on Drawing 5 using the July 2012 groundwater quality data. The 50 ug/L contour was used because a short distance past the 50 ug/L the concentrations drop to less than 10 ug/L (e.g., W18 at 2.6 ug/L and W31 and W32 have historically both been non-detect). The area of PCP northeast of Wauleco (centered on well DFOMW-11 on Figure 5) has been shown in the Annual Groundwater Monitoring Reports to be degrading and reaches non-detect upgradient of the river (see well W28 on Drawing 5). Therefore, this area is not included in this width of groundwater flow from Wauleco.

This 18 ft. saturated thickness used in this projection is greater than the 8 ft. saturated thickness used in the hydraulic conductivity estimate (see Drawing 6). The reasons for this are:

- The clay in the vicinity of well W10A is at a lower elevation than on the Wauleco property, where the hydraulic conductivity estimate was completed.
- The drawdown due to pumping on the Wauleco property reduces the saturated thickness somewhat for purposes of the hydraulic conductivity estimate.

GROUNDWATER FLOW RATE			
Hydraulic Conductivity (K)	75	ft/day	K estimate from 3 capture zones at different pumping rates
Gradient (i)	0.0022	ft/ft	average of gradient north of capture zone (1'/300') & south of capture zone (1'/600')
Cross section area of flow (A)	18,000	ft^2	area = groundwater flow from Wauleco (1,000 ft) * thickness near river (18' from Eder cross section and boring logs near river)
Flow Rate (Q)	2,970	ft^3/day	
Flow Rate (Q)	15.4	gpm	
Flow Rate (Q)	0.034	cfs	

Conclusion:

The calculated flow rate from the Wauleco Project Site to the Wisconsin River is 0.034 cfs.

COMPUTATION SHEET

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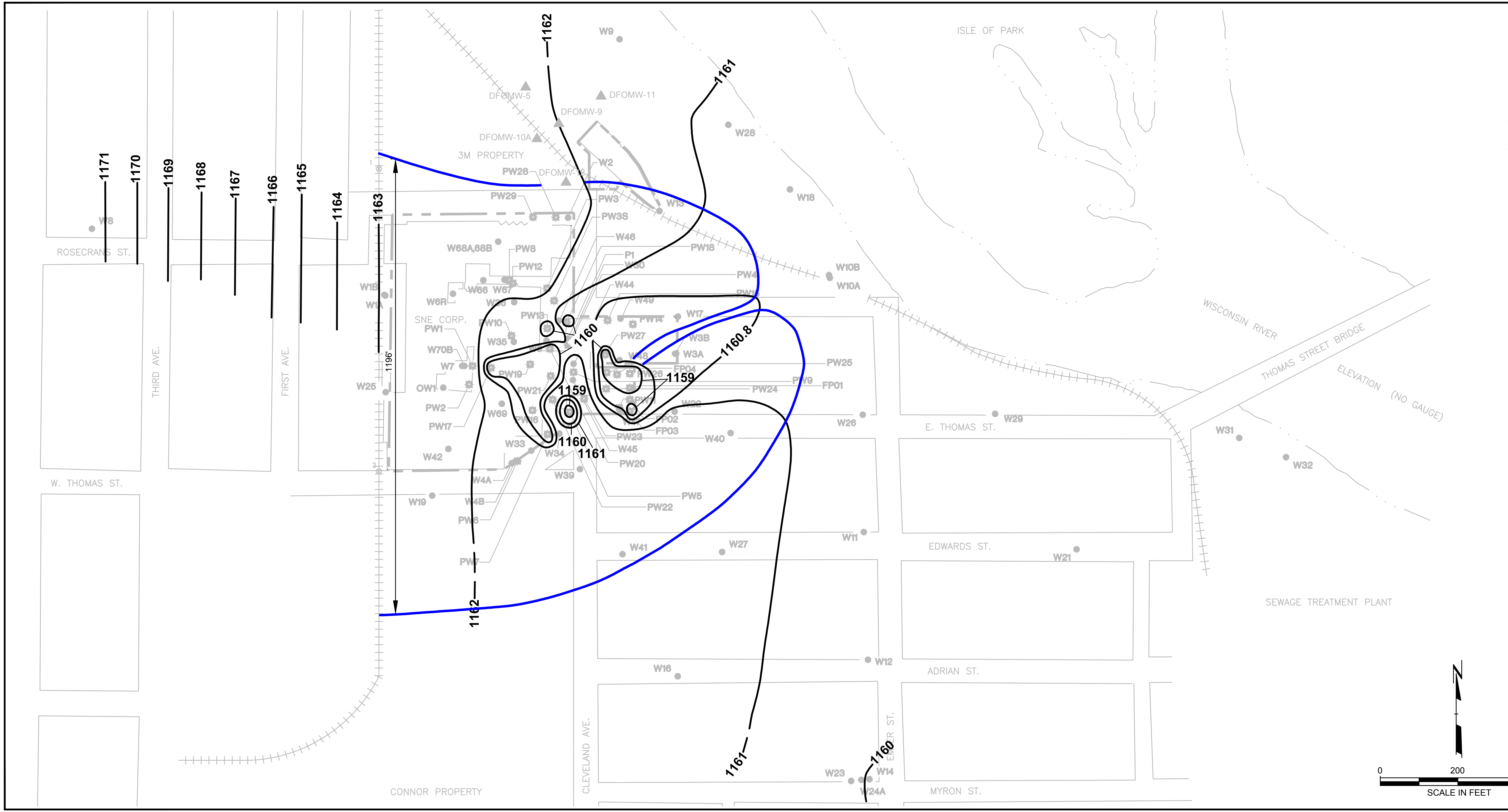
PROJECT NAME	PREPARED		CHECKED		PROJECT/PROPOSAL NO.
Wauleco, Inc	By: K. Quinn	Date: July 2014	By: T. O'Connell	Date: July 2014	189597.0002 P3/T2

Enclosures:

Drawing 1	Water Table and Capture Zone Map January 13, 2010
Drawing 2	Water Table and Capture Zone Map April 27, 2012
Drawing 3	Water Table and Capture Zone Map July 24, 2012
Drawing 4	PCP July 2012 Isoconcentration Map and Capture Zones
Drawing 5	LIF Survey and PCP Concentration July 2012
Drawing 6	Generalized Geologic Cross Section A-A'



0 200 400
SCALE IN FEET

LEGEND

W7 ● MONITORING WELL LOCATION AND NUMBER

PW5 ✱ EXTRACTION WELL LOCATION AND NUMBER

— — — APPROXIMATE PROPERTY LINE

——— FORMER BUILDING OUTLINE

DFOMW-5 ▲ (3M) GROUNDWATER MONITORING WELL

—1163— WATER TABLE ELEVATION CONTOUR
CONTOUR 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. WATER TABLE ELEVATIONS OBTAINED BY RMT ON JANUARY 13, 2010.
3. THE PUMPING RATE OF THE GROUNDWATER EXTRACTION SYSTEM THE WEEK PRIOR TO THE GROUNDWATER MEASUREMENT AVERAGED 43.3 GPM.

PROJECT: WAULECO, INC. INSTREAM WASTE CONCENTRATION (IWC) CALCULATION WAUSAU, WISCONSIN		
SHEET TITLE: WATER TABLE AND CAPTURE ZONE MAP		
DRAWN BY: LSTORMER	SCALE:	PROJ. NO. 189597.0002
CHECKED BY: KQ	AS SHOWN	FILE NO. 189597.0002.03.02.01.dwg
APPROVED BY: BI	DATE PRINTED:	DRAWING 1
DATE: JULY 2014		

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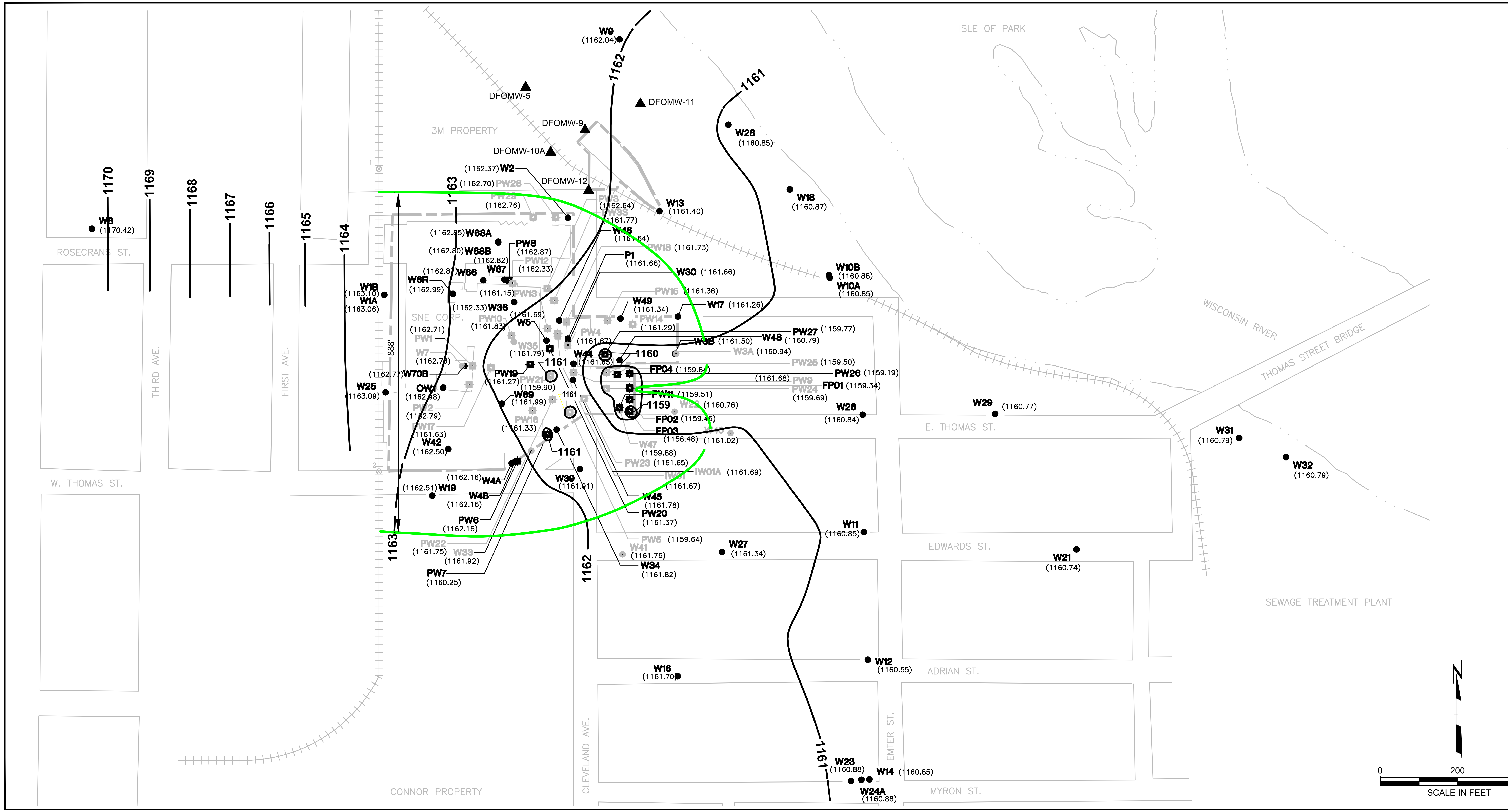
708 Heartland Trail
Suite 3000
Madison, WI 53717
Phone: 608.826.3600



LEGEND

W7 (1161.26)	MONITORING WELL LOCATION AND NUMBER
PW5 (1162.33)	EXTRACTION WELL LOCATION AND NUMBER
	APPROXIMATE PROPERTY LINE
	FORMER BUILDING OUTLINE
DFOMW-5	(3M) GROUNDWATER MONITORING WELL
1163	WATER TABLE ELEVATION CONTOUR CONTOUR 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. WATER TABLE ELEVATIONS OBTAINED BY TRC ON APRIL 27, 2012.
3. THE PUMPING RATE OF THE GROUNDWATER EXTRACTION SYSTEM THE WEEK PRIOR TO THE GROUNDWATER MEASUREMENT AVERAGED 29.3 GPM.

PROJECT: **WAULECO, INC.**
INSTREAM WASTE CONCENTRATION (IWC) CALCULATION
WAUSAU, WISCONSIN

SHEET TITLE: **WATER TABLE AND CAPTURE ZONE MAP**
APRIL 27, 2012

DRAWN BY: LSTORMER	SCALE: AS SHOWN	PROJ. NO. 189597.0002	
CHECKED BY: KQ		FILE NO. 189597.0002.03.02.02.dwg	
APPROVED BY: BI	DATE PRINTED:	**DRAWING 2**	
DATE: JULY 2014			

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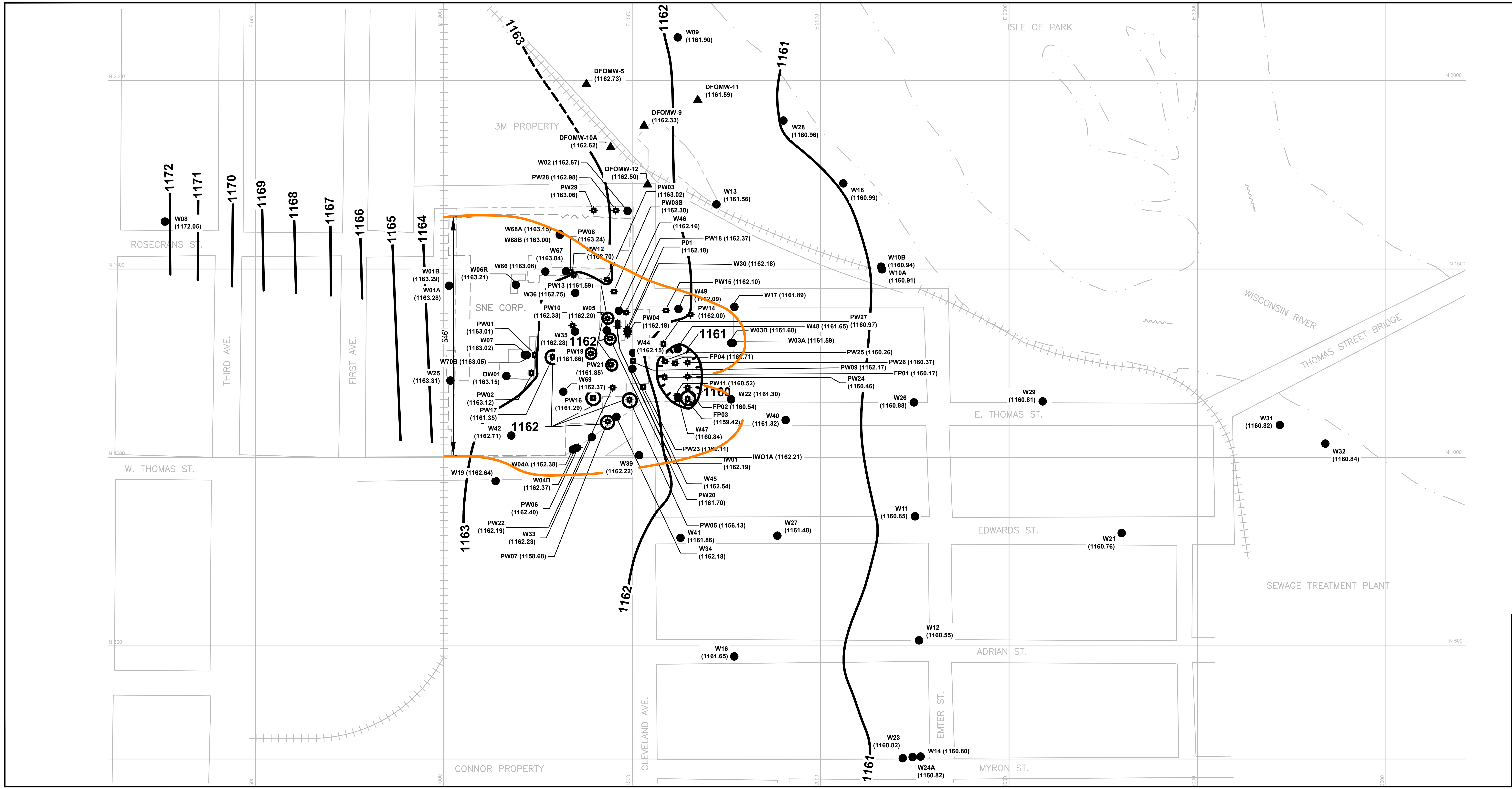

LEGEND

W17 (1169.89) MONITORING WELL LOCATION, NUMBER AND WATER TABLE ELEVATION

PW12 (1162.70) EXTRACTION WELL LOCATION, NUMBER AND WATER TABLE ELEVATION

APPROXIMATE PROPERTY LINE

FORMER BUILDING OUTLINE

1161 WATER TABLE ELEVATION CONTOUR CONTOUR INTERVAL VARIES (DASHED WHERE INFERRED)

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 24, 2012.
3. THE PUMPING RATE OF THE GROUNDWATER EXTRACTION SYSTEM THE WEEK PRIOR TO THE GROUNDWATER MEASUREMENT AVERAGED 21.7 GPM.

0 200 400
SCALE IN FEET

NO.	BY	DATE	REVISION	APP'D.
3.				
2.				
1.				

PROJECT:
WAULECO, INC.
INSTREAM WASTE CONCENTRATION (IWC) CALCULATION
WAUSAU, WISCONSIN

SHEET TITLE:
WATER TABLE AND CAPTURE ZONE MAP
JULY 24, 2012

DRAWN BY: LSTORMER	SCALE: 1"=200'	PROJ. NO. 189597.0002	
CHECKED BY: KQ		FILE NO. 189597.0002.03.02.03.dwg	
APPROVED BY: BI	DATE PRINTED:	**DRAWING 3**	
DATE: JULY 2014			

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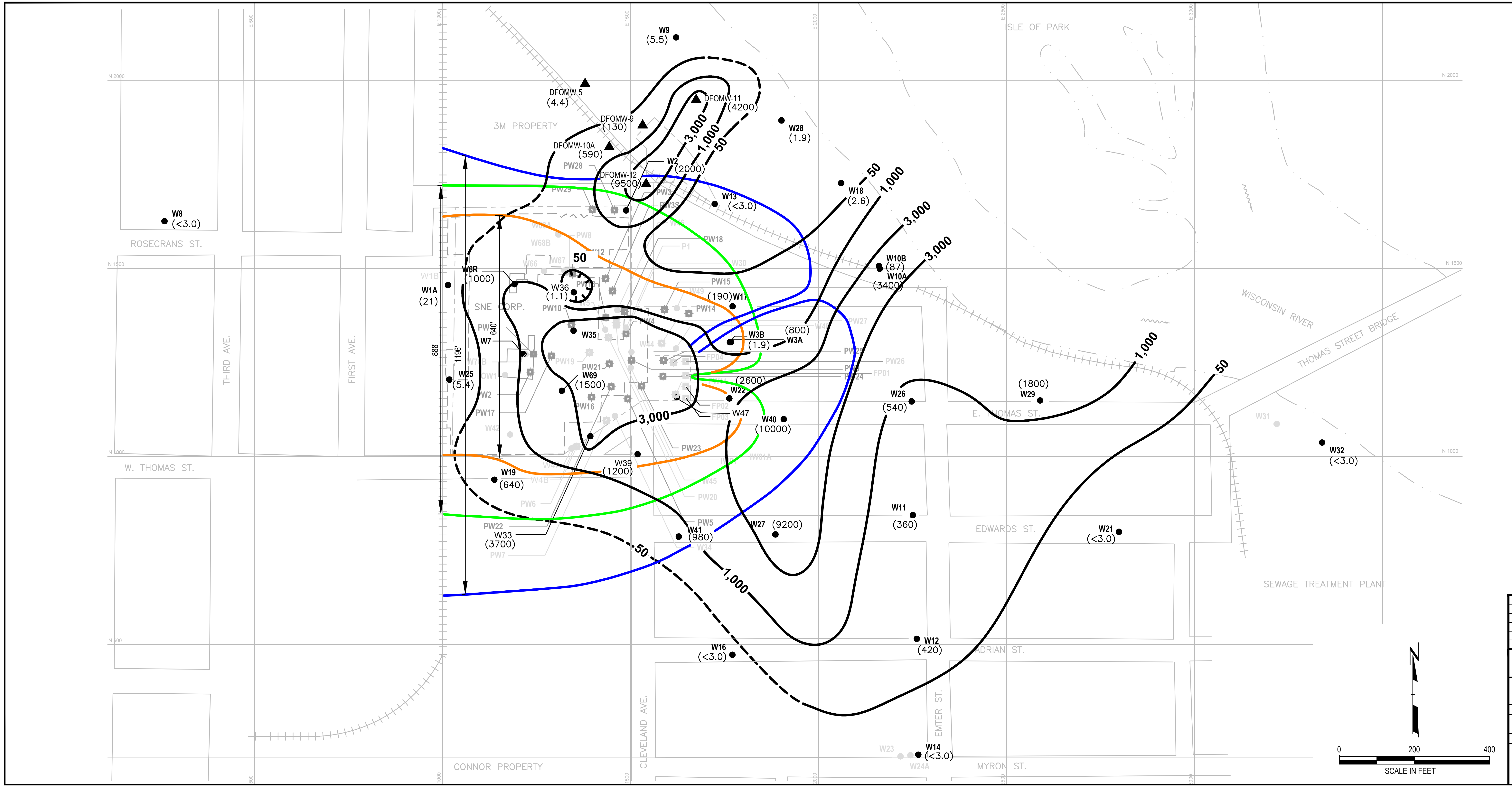
File Location: J:\Wauleco\189597\0002\0003\000002 File Name: 189597.0002.03.02.03 Layout Name: DRAWING 3
Plot Information: NONE STORMER, LARRY ---- ANSI A (8.50 X 11.00 INCHES) July 30, 2014 0.3869 K:\AUTOCAD_CONFIG\PLOTTERS\PLOT STYLES\RMT COLOR.CTB



LEGEND

- W17 ● MONITORING WELL LOCATION AND NUMBER
- 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)
- JANUARY 2010 CAPTURE ZONE
  - PUMPING RATE 1 WEEK AVERAGE 43.3 GPM
  - AVERAGE WATER LEVEL DEVIATION = + 0.02FT
- APRIL 2012 CAPTURE ZONE
  - PUMPING RATE 1 WEEK AVERAGE 29.3 GPM
  - AVERAGE WATER LEVEL DEVIATION = + 0.39FT
- JULY 2012 CAPTURE ZONE
  - PUMPING RATE 1 WEEK AVERAGE 21.7GPM
  - AVERAGE WATER LEVEL DEVIATION = + 0.80FT

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 IN JULY, 2010.
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. CAPTURE ZONES FOR DATES SHOWN WERE NOT AFFECTED BY THE WATER MAIN LEAK AT THOMAS AND CLEVELAND.

NO.	BY	DATE	REVISION	APP'D.

PROJECT:
WAULECO, INC.
INSTREAM WASTE CONCENTRATION (IWC) CALCULATION
WAUSAU, WISCONSIN

SHEET TITLE:
PCP JULY 2012
ISOCONCENTRATION MAP AND CAPTURE ZONES

DRAWN BY: LSTORMER	SCALE: 1"=200'	PROJ. NO.	189597.0002
CHECKED BY: KQ		FILE NO.	189597.0002.03.02.04.dwg
APPROVED BY: BI	DATE PRINTED:	**DRAWING 4**	
DATE: JULY 2014			

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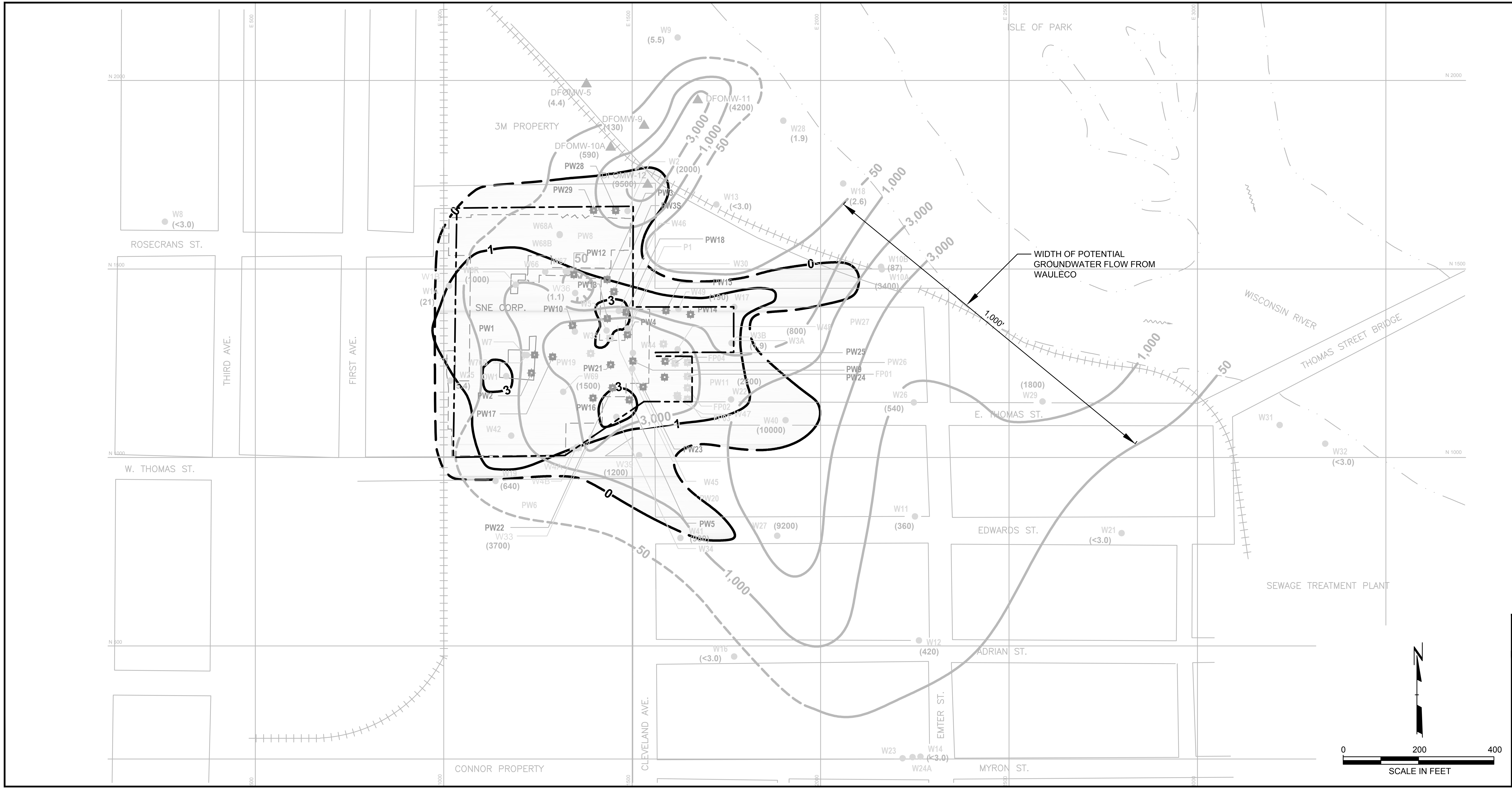

LEGEND

W17 ● MONITORING WELL LOCATION AND NUMBER

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)

L22 0' - LIF LOCATION - THICKNESS OF LIF REPONSE

0 ESTIMATED THICKNESS OF RESIDUAL PHASE PRODUCT (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. LASER INDUCED FLUORESCENCE (LIF) SURVEY COMPLETED JUNE 11-13, 2013 BY TRC AND COLUMBIA TECHNOLOGIES, INC.
3. LIF RESULTS FROM 2003 AND 2005 WERE ALSO USED TO ESTIMATE THE THICKNESS OF RESIDUAL PHASE PRODUCT.
4. PCP ISOCONCENTRATION MAP FROM JULY 2012 IN THE WAULECO 2012 ANNUAL GROUNDWATER MONITORING REPORT DRAWING 9.

NO.	BY	DATE	REVISION	APP'D.
3.				
2.				
1.				

PROJECT:
WAULECO, INC.
INSTREAM WASTE CONCENTRATION (IWC) CALCULATION
WAUSAU, WISCONSIN

SHEET TITLE:
LIF SURVEY AND PCP CONCENTRATION
JULY 2012

DRAWN BY: LSTORMER	SCALE: 1"=200'	PROJ. NO. 189597.0002	
CHECKED BY: KQ		FILE NO. 189597.0002.03.02.05.dwg	
APPROVED BY: BI	DATE PRINTED:	**DRAWING 5**	
DATE: JULY 2014			

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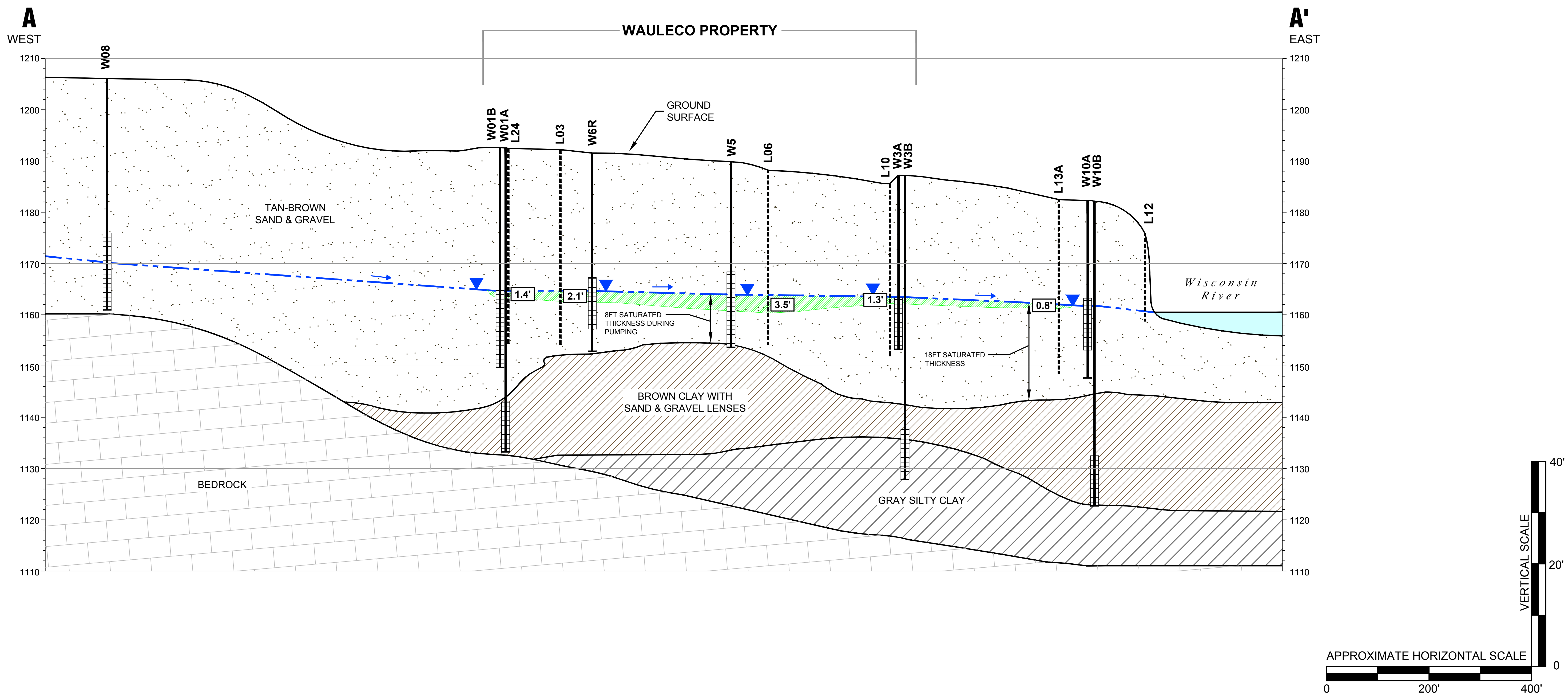
File Location: J:\Wauleco\189597\0002\0003\000002 **File Name:** 189597.0002.03.02.05 **Layout Name:** DRAWING 5
Plot Information: NONE STORMER, LARRY ---- ANSI A (8.50 X 11.00 INCHES) July 30, 2014 0.3869 K:\AUTOCAD_CONFIG\PLOTTERS\PLOT STYLES\RMT COLOR.CTB

GENERALIZED GEOLOGIC CROSS-SECTION A-A'



LEGEND

SAND & GRAVEL

BROWN CLAY

GREY CLAY

W5

WELL / BORING

WELL SCREEN

END OF BORING

L24

LASER-INDUCED FLUORESCENCE (LIF) PROBE LOCATION AND NUMBER

WATER TABLE ELEVATION (JUNE 13, 2013)

WATER TABLE FLOW DIRECTION

WATER TABLE

0.8'

ZONE OF RESIDUAL PHASE PRODUCT

RESIDUAL PHASE PRODUCT THICKNESS

NOTES

1. LIF SURVEY PERFORMED JUNE 11 THROUGH JUNE 13, 2013.
2. GENERALIZED GEOLOGIC CROSS-SECTION BASED ON 1985 EDER ASSOCIATES CROSS-SECTION.

PROJECT:
WAULECO, INC.
INSTREAM WASTE CONCENTRATION (IWC) CALCULATION
WAUSAU, WISCONSIN

TITLE:
GENERALIZED GEOLOGIC CROSS-SECTION A- A'

DRAWN BY: DGS	SCALE:	PROJ. NO. 189597.0002	
CHECKED BY: KQ	AS SHOWN	FILE NO.189597.0002.03.02.06.DWG	
APPROVED BY: BI	DATE PRINTED:	**DRAWING 6**	
DATE: JULY 2014			

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Suite 3000
Madison, Wisconsin 53717
Phone: 608.826.3600

From: Gutknecht, Lisa A - DNR <Lisa.Gutknecht@wisconsin.gov>
Sent: Wednesday, August 13, 2014 10:09 AM
To: Iverson, Bruce
Subject: FW: Wauleco: In-Stream Waste Concentration Calculation For WDNR

Bruce,

Below is the response from Kari Fleming regarding your in-stream waste concentration calculation that you submitted to her. As we discussed please provide me a response to our program's request that Wauleco conduct river sampling such as the WET test. Thanks. Lisa

We are committed to service excellence.
Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

Lisa Gutknecht
Phone: (715) 359-6514
Lisa.Gutknecht@wisconsin.gov

From: Gutknecht, Lisa A - DNR
Sent: Wednesday, August 13, 2014 8:08 AM
To: Fleming, Kari L - DNR
Subject: RE: Wauleco: In-Stream Waste Concentration Calculation For WDNR

Kari,

I went over the calculations with TRC last week and don't have any problems with their groundwater flow estimates. Thank you for taking the time to walk all of us through the process. You've been very helpful and responsive to our request. I've learned something new about the wastewater program! Thanks. Lisa

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Lisa Gutknecht
Phone: (715) 359-6514
Lisa.Gutknecht@wisconsin.gov

From: Fleming, Kari L - DNR
Sent: Wednesday, August 13, 2014 8:00 AM
To: Gutknecht, Lisa A - DNR
Cc: Fleming, Kari L - DNR
Subject: RE: Wauleco: In-Stream Waste Concentration Calculation For WDNR

Lisa, do you have any problems with the groundwater flow estimates that they present in their report? Groundwater flow dynamics are not something that I normally deal with, so I will rely on you to determine whether or not the flow they used in their calculations seems appropriate or not.

If you agree that the groundwater flow estimate that they used is correct, then I don't have any concerns about toxicity due to this discharge. An instream waste concentration (IWC) < 1.0% would not even really be measurable in a WET test. They are correct in asserting that we normally do not ask for effluent toxicity tests when the stream flow to effluent flow (Qs:Qe) ratio is > 1000:1. They have even underestimated that ratio, since we do not use ¼ of the Qs for that comparison (i.e., the Qs : Qe would be 12,500 : 1, not 3,126 : 1). What this all means is that the dilution available in the receiving water at the location where the groundwater is thought to enter the river is so high that the risk for impacts due to acute or chronic toxicity are extremely low.

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Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

Kari Fleming
Phone: (608) 267-7663
Kari.Fleming@wisconsin.gov

From: Iverson, Bruce [mailto:BIverson@trcsolutions.com]
Sent: Thursday, August 07, 2014 1:31 PM
To: Fleming, Kari L - DNR
Cc: Gutknecht, Lisa A - DNR; Quinn, Kenneth
Subject: Wauleco: In-Stream Waste Concentration Calculation For WDNR

Kari, attached for your review is the In-Stream Waste Concentration (IWC) calculation for the Wauleco project site located in Wausau, WI. Sheets 2 to 5, and the drawings are associated with calculating the groundwater flow from Wauleco (i.e., the Qe). Ken and I are available to discuss our approach to calculate the Qe with you if that would be a benefit to you. If so, please let me know and I will coordinate a conference call.

As you will see, the IWC as a percentage is 0.032%, and the Qs:Qe Ratio is 3,126:1. Please let us know if you have any questions or comments on this IWC calculation. Based on the results of this IWC, we are also interested in your opinion on the need to perform toxicity testing.

If you have any questions, please contact us. Thanks, Bruce

Bruce Iverson, P.E. (WI)
Senior Project Manager

TRC Results you can rely on

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T: 608.826.3644 | F: 608.826.3941 | C: 608.235.4963

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From: Gutknecht, Lisa A - DNR <Lisa.Gutknecht@wisconsin.gov>
Sent: Thursday, October 30, 2014 11:34 AM
To: Iverson, Bruce
Subject: FW: Wauleco site

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Lisa Gutknecht
Phone: (715) 359-6514
Lisa.Gutknecht@wisconsin.gov

From: Fleming, Kari L - DNR
Sent: Tuesday, October 07, 2014 2:21 PM
To: Gutknecht, Lisa A - DNR
Cc: Fleming, Kari L - DNR
Subject: Wauleco site

I have had discussions with legal staff and wastewater managers, regarding the need for surface water quality-based limits on the groundwater plume from the Wauleco site. Given the dilution present in the area where the plume is thought to reach the Wisconsin River, and the fact that this is likely to be a more diffuse/non-point source discharge point, we do not suspect that there is potential for exceedance of water quality standards. (You may recall we estimated a 12,000:1 stream flow to "effluent" flow ratio at that location.) Based on the discussions that I have had with our staff, the wastewater program does not feel that a WPDES permit is required in a situation like this.

Does your program need anything more from us in order to close out this remediation site? Or is our opinion that there is no reasonable potential for surface water quality standard exceedances enough?

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Kari Fleming
Environmental Toxicologist – Bureau of Water Quality
Whole Effluent (WET), Ambient and Sediment Toxicity Testing
Watershed Assessment, Restoration & Protection (WARP) - TMDL Implementation
316b - Cooling Water Intake Structures

Wisconsin Department of Natural Resources
101 S. Webster St, Madison WI
Phone: (608) 267-7663
Kari.Fleming@wisconsin.gov

dnr.wi.gov

From: Fleming, Kari L - DNR <Kari.Fleming@wisconsin.gov>
Sent: Monday, November 03, 2014 7:59 AM
To: Iverson, Bruce
Cc: Gutknecht, Lisa A - DNR; Quinn, Kenneth; Fleming, Kari L - DNR
Subject: RE: Wauleco site - NR 105 Surface Water Acute Toxicity Criteria Applicability

Essentially, yes. It is our opinion that NR 105 criteria (both acute and chronic) are not likely to be exceeded, therefore no WPDES permit or NR 105-based limits are necessary.

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Kari Fleming
Phone: (608) 267-7663
Kari.Fleming@wisconsin.gov

From: Iverson, Bruce [mailto:BIverson@trcsolutions.com]
Sent: Thursday, October 30, 2014 6:11 PM
To: Fleming, Kari L - DNR
Cc: Gutknecht, Lisa A - DNR; Quinn, Kenneth
Subject: Wauleco site - NR 105 Surface Water Acute Toxicity Criteria Applicability

Kari, thank you for the response. Based on your discussions with WDNR staff and your email, it is our understanding that NR 105 Surface Water Acute Toxicity Criteria would not be applicable; is our understanding correct? Again, thank you for all your input on this matter. Bruce

Bruce Iverson, P.E. (WI)
Senior Project Manager

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From: Gutknecht, Lisa A - DNR [mailto:Lisa.Gutknecht@wisconsin.gov]
Sent: Thursday, October 30, 2014 11:34 AM
To: Iverson, Bruce
Subject: FW: Wauleco site

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Lisa Gutknecht
Phone: (715) 359-6514
Lisa.Gutknecht@wisconsin.gov

From: Fleming, Kari L - DNR
Sent: Tuesday, October 07, 2014 2:21 PM
To: Gutknecht, Lisa A - DNR
Cc: Fleming, Kari L - DNR
Subject: Wauleco site

I have had discussions with legal staff and wastewater managers, regarding the need for surface water quality-based limits on the groundwater plume from the Wauleco site. Given the dilution present in the area where the plume is thought to reach the Wisconsin River, and the fact that this is likely to be a more diffuse/non-point source discharge point, we do not suspect that there is potential for exceedance of water quality standards. (You may recall we estimated a 12,000:1 stream flow to "effluent" flow ratio at that location.) Based on the discussions that I have had with our staff, the wastewater program does not feel that a WPDES permit is required in a situation like this.

Does your program need anything more from us in order to close out this remediation site? Or is our opinion that there is no reasonable potential for surface water quality standard exceedances enough?

We are committed to service excellence.
Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

Kari Fleming
Environmental Toxicologist – Bureau of Water Quality
Whole Effluent (WET), Ambient and Sediment Toxicity Testing
Watershed Assessment, Restoration & Protection (WARP) - TMDL Implementation
316b - Cooling Water Intake Structures

Wisconsin Department of Natural Resources
101 S. Webster St, Madison WI
Phone: (608) 267-7663
Kari.Fleming@wisconsin.gov

dnr.wi.gov

APPENDIX C

HISTORICAL GROUNDWATER ANALYTICAL RESULTS

C1	Water Quality Indicators
C2	Phenolics
C3	Volatile Organic Compounds

C1

Water Quality Indicators

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

Date	#2 Fuel Oil	#6 Fuel Oil	Ammonia Nitrogen Total	Gasoline	Kerosene	Nitrate + Nitrite Nitrogen	Nitrogen, Nitrate	Phosphorus, Phosphate	Total Chloride	Dissolved Mercury	Total Mercury	TPH as Mineral Spirits	Sodium
	(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)
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	

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

Date	#2 Fuel Oil	#6 Fuel Oil	Ammonia Nitrogen Total	Carbon, Total Organic	Gasoline	Kerosene	Nitrate + Nitrite Nitrogen	Nitrogen, Nitrate	Oil and Grease	Phosphorus, Phosphate	Solids, Total Dissolved	Solids, Total Suspended	Sulfate	Total Chloride	Dissolved Mercury	Total Mercury	TPH as Mineral Spirits	Sodium	Arsenic	Barium	Chromium	Chromium, Total	Iron
	(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)
01/08/1987				7.01				2.94	<5		436	3848	30.2						22.3	769	<10	371	<100
06/04/1987				6.62				2.73	<5		491	9260	29.9						<10	<200	<10		140
09/03/1987				3.9				3.56	<5		421	11100	20.5						<10	<200	<10		
12/03/1987				1.66				3.56	<6		347	1480	38.5										
03/02/1988				3.49				3.16	14.7		457	1590	32.4	125									
04/07/1988				3.68				3.73	<6		441	1900	27	119					<10	<200	<10		
08/10/1988				7.44				1.47	8.53		585	2040	37.9	133					<10	<200	<10		
11/15/1988				12				0.99	9.39		419	352	28.8	122					<10	<200	<10		
01/26/1989				4.37				1.94	6.45		437	629	<10	128									
04/27/1989				10.5				0.71	19.3		373	2660	31	144					<10	<200	<10		
07/27/1989				50.4				0.78	7.76		1,720	1200	32.6	103					<10	<200	<10		
10/26/1989				4.91				1.05	<6		473	1380	35.8	127					<10	<200	<10		
01/25/1990				13.3				0.3	11.4		331	1190	31.7	95.4					<10	<200	<10		
05/03/1990				10.6				0.61	<6		462	808	10.6	129					<10	<200	<10		
09/20/1990				7.24				0.66	9.21		428	1320	29.4	132					<10	<200	<10		
12/11/1990				11.9				1.83	<6		403	1900	33.6	97.5					<10	<200	<10		
01/30/1991				14.2				4.71	11.6		364	936	35.9	95.8					<10	<200	<10		
05/01/1991				23.9				4.13	20		477	894	32.5	107					<10	<200	<10		
10/08/1991				14				<0.02	12.7		450	1460	29.8	117					<10	<200	<10		
02/20/1992								<0.02	0					119			1,110						
06/14/1992								0.054						128			<500						
09/17/1992			<1					0.023		2.52				158			<500	65,800					
12/18/1992			<1					0.093						182			35,000	68,300					
03/24/1993			0.17				0.55							239			3,500	88,600					
04/25/1994			0.17				0.18							151									
06/22/1994			<0.1				1.46							146			5,500						
10/04/1994			0.16				0.13							117									
01/05/1995			<0.1				1.11							120									
03/10/1995			0.13				1.34							117									
07/06/1995	<0.25		0.41		<0.25	<0.25	0.79							113			8,800						
09/13/1995			0.13				0.66							114									
12/18/1995			0.14				0.69							97									
03/21/1996			0.13				0.74							89									
07/10/1996	<0.25	<1	0.13		<0.25	<0.25	1.2							58			4,200						
01/21/1997			<0.1				1.13							93									
07/11/1997			<0.1				0.17							54.5			<450						
01/02/1998			<0.1				0.54							54.8									
06/25/1998			<0.1				1.12							76		0.4	9,100						
01/27/1999			0.1				<0.41							<41		<0.6							
01/15/2003			<0.070				2.4							120									
07/22/2003			0.077				0.96							60		2	35,000						
01/21/2004			0.21 J				0.35 J							35									
01/21/2004			0.19 JB				0.37 J							34									
07/14/2004			0.086 J				1.27							26.9		0.83	9,400 Q						
01/20/2005			0.044Q				0.78							28									
01/20/2005			0.032Q				0.8							28									
07/21/2005			0.16				0.25							44		0.61	19,000						
7/21/2005 Duplicate			0.15				0.4							33		0.69	17,000						
01/17/2006			0.15				0.17							31.9									
1/17/2006 Duplicate			0.15				0.4							23.4									

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

Date	#2 Fuel Oil	#6 Fuel Oil	Ammonia Nitrogen Total	Carbon, Total Organic	Gasoline	Kerosene	Nitrate + Nitrite Nitrogen	Nitrogen, Nitrate	Oil and Grease	Phosphorus, Phosphate	Solids, Total Dissolved	Solids, Total Suspended	Sulfate	Total Chloride	Dissolved Mercury	Total Mercury	TPH as Mineral Spirits	Sodium	Arsenic	Barium	Chromium	Chromium, Total	Iron
	(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)
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						

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

Date	#2 Fuel Oil	Ammonia Nitrogen Total	Nitrate	Nitrate + Nitrite Nitrogen	Total Chloride	Dissolved Mercury	Total Mercury	TPH as Mineral Spirits
	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(ug/L)	(ug/L)	(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

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

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

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

Date	Ammonia Nitrogen Total	Nitrate	Nitrate + Nitrite Nitrogen	Total Chloride	Dissolved Mercury	Total Mercury	TPH as Mineral Spirits
	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(ug/L)	(ug/L)	(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					
		4.6			0.15		400

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

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

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

Date	#2 Fuel Oil	#6 Fuel Oil	Alkalinity, Bicarbonate	Ammonia Nitrogen Total	Carbon, Total Organic	Gasoline	Kerosene	Nitrate	Nitrate + Nitrite Nitrogen	Nitrogen, Nitrate	Oil and Grease	Phosphorus, Phosphate	Sulfate	Total Chloride	Dissolved Mercury	Total Mercury	TPH as Mineral Spirits	Sodium	Arsenic	Barium	Chromium	Chromium, Total	Dissolved Iron	Iron	Calcium	Magnesium	Dissolved Manganese	Potassium
	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)
01/14/2003				<0.070					5.60					98														
07/22/2003				0.015					3.90					89		<0.070	<27											
01/20/2004				<0.03					4.80					150														
07/12/2004				<0.030					4.34					76.8		<0.11	30 J											
01/19/2005				<0.030					6.90					130														
07/19/2005				<0.030					5.4					110		<0.090	42											
01/17/2006				<0.023					5.88					99.6														
07/18/2006				<0.023					6.10					60		<0.060	<660											
01/23/2007				<0.023					6.70					100														
07/09/2007				<0.021					5.50					96		<0.080	<31											
01/28/2008				<0.021					6.4 Q					100														
07/22/2008				<0.080					4.20					89		<0.050	77											
01/20/2009				<0.080					7.50					120														
07/06/2009				<0.030					6.00					92		<0.040	<26											
01/18/2010				<0.030					<0.12					130														
07/13/2010				<0.050					6.20					120		<0.040	<26											
01/25/2011				<0.050					4.50					120														
07/18/2011				<0.022					3.90					98		0.050	<27											
01/17/2012				<0.17					6.70					120														
07/06/2012				<0.030					5.00					87		0.030	<27											
01/04/2013				<0.030					4.60					82														
07/01/2013				<0.040					3.40					88		<0.016	<26											
01/22/2014					0.75					5.1			26				<27						<5.0				<0.5	
07/07/2014					0.9					3.1			22		<0.016		<27						12.5				<1.6	
01/15/2015					1.2					3.5			18				<27 M						<10				<1.6	
07/06/2015					2.2					4			20		<0.050		<27						<10				<1.6	
01/13/2016					1					5.5			22				<27						135				<1.6	
07/05/2016					0.86					3.5			18		0.030		<34						32.1				<1.6	

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

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

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

Date	#2 Fuel Oil	#6 Fuel Oil	Ammonia Nitrogen Total	Carbon, Total Organic	Gasoline	Kerosene	Nitrate + Nitrite Nitrogen	Nitrogen, Nitrate	Oil and Grease	Phosphorus, Phosphate	Solids, Total Dissolved	Solids, Total Suspended	Sulfate	Total Chloride	Dissolved Mercury	Total Mercury	TPH as Mineral Spirits	Sodium	Arsenic	Barium	Chromium	Chromium, Total	Dissolved Iron	Iron	Dissolved Manganese
	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)
01/08/1987				16.2				<0.02	10.5		374	5875	30.4	68					154	1920.5	<10	994		290	
06/04/1987				16.9				<0.02	21.5		328	6360	31.2	74.4					<10	<200	<10			4330	
09/03/1987				7.62				<0.02	35.2		236	7970	24.4	46.9					<10	<200	<10				
12/03/1987				7.21				0.02	8.88		224	1100	38.2	5.07											
03/03/1988				11.2				<0.02	10.5		280	2800	27.6	64.7											
04/07/1988				10.9				0.13	13.7		270	1900	26.2	59.2					<10	<200	<10				
08/10/1988				15.2				<0.02	13.3		153	5930	34.8	58.8					<10	<200	<10				
11/15/1988				15.2				<0.02	21.7		283	153	<10	66					<10	<200	<10				
01/26/1989				13.9				<0.02	18.6		305	399	17	51.8											
04/27/1989				12.3				<0.02	9.5		303	1720	26.7	48					<10	<200	<10				
07/27/1989				68.4				<0.02	15.3		315	2020	32.8	57.6					<10	<200	<10				
10/26/1989				11.2				<0.02	19.3		332	1150	37.4	57					<10	<200	<10				
01/25/1990				17.3				<0.02	15.4		288	1740	36.4	65.6					<10	<200	<10				
05/03/1990				13.1				0.03	19.3		257	214	27.9	55					<10	<200	<10				
09/20/1990				8.34				<0.02	13.7		367	804	23.3	96.8					<10	<200	<10				
12/11/1990				13.4				<0.02	<6		292	684	30.9	66.1					<10	<200	<10				
01/29/1991				14.2				<0.02	18		283	863	26.1	69.1					<10	<200	<10				
05/01/1991				13.8				0.03	10.8		286	1170	23.6	68.3					<10	<200	<10				
10/08/1991				12.5				0.41	14.9		361		25.7	77.4					<10	<200	<10				
07/08/1992			<1					0.22		2.74				124			<500								
12/18/1992			<1					0.096						67			1,000	28,000							
06/30/1993			0.16				<0.02							53			1,200								
12/28/1993			<0.2				0.02							58			<1000								
06/22/1994			0.13				0.03							45			1,400								
07/06/1995	<0.25		0.38		<0.25	<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							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	#6 Fuel Oil	Ammonia Nitrogen Total	Carbon, Total Organic	Gasoline	Kerosene	Nitrate + Nitrite Nitrogen	Nitrogen, Nitrate	Oil and Grease	Phosphorus, Phosphate	Solids, Total Dissolved	Solids, Total Suspended	Sulfate	Total Chloride	Dissolved Mercury	Total Mercury	TPH as Mineral Spirits	Sodium	Arsenic	Barium	Chromium	Chromium, Total	Dissolved Iron	Iron	Dissolved Manganese
	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)
01/23/2012			<0.060				<0.18							62											
07/09/2012			<0.030				<0.030							59		0.45 B	3,900								
7/9/2012 Duplicate			<0.030				<0.030							65		0.40 B	4,800								
07/05/2013			<0.040				0.082							71		0.11	4,900								
7/5/2013 Duplicate			<0.040				<0.080							73		0.040	4,600								
01/24/2014				5									14				3,600						1,110		3,460
1/24/2014 Duplicate				5.1									14				4,300						1,130		3,510
07/10/2014				5.8				0.14					16		<0.016 Y		3,500						1,030		2,570 M
01/16/2015				5									13				2,200						1,140		2,510
1/16/2015 Duplicate				5.4									13				2,500						1,100		2,500
07/09/2015				7.9				<0.040					10		<0.050		3,300						944		3,050
7/9/2015 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

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

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

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								6.36																	
12/12/1990				11.8					7.87		325	257	23.9	62.8					<10	<200	<10				
01/30/1991				6.35				8.04	7.2		338		30.6	66.7					<10	<200	<10				
05/01/1991				3.1				7.38	<6		313	606	27	50					<10	<200	<10				
10/08/1991				2.65				2.91	<5		240	670	20.2	26.8					<10	<200	<10				
06/18/1992			<1					2.67		0.736				31.4			<500								
12/17/1992			<1					2.3						32.2			<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		0.16	<500								
01/30/2001			<0.02				0.99							39.2		<0.12	<500								
07/11/2001			<0.02				1.6							49		<0.14	<500								
08/06/2002			<0.020				1.2							60		<0.070	<500								
07/22/2003			0.021				1.2							55		<0.070	<30								
07/13/2004			<0.030				1.17							58.9		<0.11	<27								
07/19/2005			<0.030				0.49							62		<0.090	130								
07/19/2006			<0.023				0.62							85		<0.060	<520								
07/09/2007			<0.021				0.79							56		<0.080	<27								
07/23/2008			<0.080				0.91							70		<0.050	99								
07/07/2009			<0.030				0.78							58		<0.040	<27								
07/14/2010			<0.050				1.4							64		<0.040	340								
07/19/2011			<0.022				4.4							53		<0.030	90								
07/09/2012			<0.030				1.7							60		<0.016	190								
07/01/2013			<0.040				0.5							54		<0.016	480								
7/1/2013 Duplicate			<0.040				0.49							54		<0.016	490								
01/24/2014				1.1									13				300						<5.0		22.8
07/08/2014				2.4				0.67					16		<0.016		<26						<10		49.1
01/16/2015				2									13				270						323		188
07/06/2015				1.8				1.6					14		<0.050		200						<10		76.5
01/12/2016				1.7									14				59						<10		106
07/05/2016				1.1				1.4					15		0.096		<34						<10		79.7

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

Date	#2 Fuel Oil	#6 Fuel Oil	Ammonia Nitrogen Total	Gasoline	Kerosene	Nitrate + Nitrite Nitrogen	Nitrogen, Nitrate	Phosphorus, Phosphate	Total Chloride	Dissolved Mercury	Total Mercury	TPH as Mineral Spirits	Sodium	Dissolved Iron	Dissolved Manganese	Sulfate	Total Organic Carbon
	(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)
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

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

Sampled	#2 Fuel Oil	#6 Fuel Oil	Ammonia Nitrogen Total	Gasoline	Kerosene	Nitrate	Nitrate + Nitrite Nitrogen	Nitrogen, Nitrate	Phosphorus, Phosphate	Total Chloride	Dissolved Mercury	Total Mercury	TPH as Mineral Spirits	Sodium	Dissolved Iron	Dissolved Manganese	Sulfate	Total Organic Carbon
	(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)
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

Updated: T. Dushek, 9/28/16
Checked by: A. Voit, 10/26/16

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

Date	#2 Fuel Oil	#6 Fuel Oil	Ammonia Nitrogen Total	Carbon, Total Organic	Gasoline	Kerosene	Nitrate + Nitrite Nitrogen	Nitrogen, Nitrate	Oil and Grease	Phosphorus, Phosphate	Solids, Total Dissolved	Solids, Total Suspended	Sulfate	Total Chloride	Total Mercury	TPH as Mineral Spirits	Sodium	Arsenic	Barium	Chromium	Chromium, Total	Iron
	(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)
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		<1	<200	<10		
12/18/1992			<1					5.78						94.7		<500	41,200					
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							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.

Updated: T. Dushek, 9/28/16
Checked by: A. Voit, 10/26/16

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

Date	#2 Fuel Oil (mg/L)	#6 Fuel Oil (mg/L)	Alkalinity, Bicarbonate (mg/L)	Alkalinity, Total (mg/L)	Ammonia Nitrogen Total (mg/L)	Carbon, Total Organic (mg/L)	Gasoline (mg/L)	Kerosene (mg/L)	Nitrate + Nitrite Nitrogen (mg/L)	Nitrogen, Nitrate (mg/L)	Oil and Grease (mg/L)	Phosphorus, Phosphate (mg/L)	Solids, Total Dissolved (mg/L)	Solids, Total Suspended (mg/L)	Sulfate (mg/L)	Total Chloride (mg/L)	Dissolved Mercury (ug/L)	Total Mercury (ug/L)	TPH as Mineral Spirits (ug/L)	Sodium (ug/L)	Arsenic (ug/L)	Barium (ug/L)	Chromium (ug/L)	Chromium, Total (ug/L)	Dissolved Iron (ug/L)	Iron (ug/L)	Calcium (ug/L)	Magnesium (ug/L)	Dissolved Manganese (ug/L)	Potassium (ug/L)
01/08/1987						5.8				8.8	<5		762	1168	31.6	175					188.5	2220	<10	479		<100				
06/04/1987						5.26				11.8	11.6		605	14900	36.8	162					<10	<200	<10			<100				
09/03/1987						3.93				9.27	16		552	12100	24.1	177					<10	<200	<10							
12/03/1987						4.1				7.95	<6		449	2080	35.9	159														
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																				
12/12/1990						5.94					<5		615	2,040	29.3	190					<10	<200	<10							
01/30/1991						5.44				11.1	<6		543	1,280	29.6	198					<10	<200	<10							
05/01/1991						3.95				11	<6		460	5,170	31.4	137					<10	<200	<10							
10/08/1991						2.86				13.5	<6		648	7,340	25.9	158					<10	<200	<10							
10/29/1991			94.5	94.5								1.04			32.6	170				75,400	0	<200					71800	17900		12500
12/22/1991			99.5	99.5								1.33			33	126				60,600		<200					55400	14100		9980
06/16/1992										5.8		4.29				101			1,600		<1	<200								
12/18/1992					<1					10.4						125			<500	58,500										
06/29/1993					0.53				7.86							126			<1000											
12/28/1993					<0.2				11.5							155			<1000											
06/21/1994					<0.1				6.27							128			<1000											
07/06/1995	<0.25				0.17		<0.25	<0.25	6.03							106			<250											
07/08/1996	<0.25	<1			<0.1		<0.25	<0.25	0.84							28			<250											
07/11/1997					<0.1				5.44							173			<260											
06/24/1998					<0.1				4.13							221		<0.2	<250											
06/07/1999					<0.1				3.24							155			<100											
07/18/2000					<0.02				4.74							122		0.26	<500											
01/30/2001					<0.02				3.39							127		1.2	<500											
07/10/2001					<0.02				4.7							860		<0.14	<500											
08/05/2002					<0.020				7.2							120		<0.070	<500											
07/22/2003					0.034				6.3							84		<0.070	<28											
07/12/2004					<0.030				6.66							92.5		<0.11	29 J											
07/19/2005					<0.030				6.4							180		<0.090	<28											
07/19/2006					<0.023				5.7							110		<0.060	<520											
07/09/2007					<0.021				6.4							120		<0.080	<33											
07/23/2008					<0.080				6.9							160		<0.050	83											
07/06/2009					<0.030				6.4							110		<0.040	<26											
07/13/2010					<0.050				6.3							190		<0.040	<28											
07/18/2011					<0.022				<0.18							110		0.060	2,000											
01/23/2012					0.12				6.7							240														
1/23/2012 Duplicate					0.11				6.7							250														
07/09/2012					<0.030				6.1							280		0.070 B	27											
07/01/2013					<0.040				4.6							190		0.140	<27											
01/24/2014						1.4									28				26 Y						<5.0				<0.50	
07/08/2014						4.5				5.1					24		<0.016		<27						<10				<1.6	
01/12/2015						1.5									24				30						12.3				1.8	
07/06/2015						2.5				4.5					20		<0.050		<26						<10				<1.6	
01/12/2016						2.1									22				<27						<10				<1.6	
07/05/2016						1.4				5.4					21		0.094		<33						<10				<1.6	

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

Date	Ammonia Nitrogen Total	Nitrate	Nitrate + Nitrite Nitrogen	Total Chloride	Dissolved Mercury	Total Mercury	TPH as Mineral Spirits	Dissolved Iron	Dissolved Manganese	Sulfate	Total Organic Carbon
	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(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

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

Date	#2 Fuel Oil	#6 Fuel Oil	Ammonia Nitrogen Total	Gasoline	Kerosene	Nitrate + Nitrite Nitrogen	Nitrogen, Nitrate	Phosphorus, Phosphate	Total Chloride	Dissolved Mercury	Total Mercury	TPH as Mineral Spirits	Sodium
	(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)
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	

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

Date	Ammonia Nitrogen Total	Nitrate	Nitrate + Nitrite Nitrogen	Total Chloride	Dissolved Mercury	Total Mercury	TPH as Mineral Spirits
	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(ug/L)	(ug/L)	(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

Updated: T. Dushek, 9/28/16
Checked by: A. Voit, 10/26/16

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

Date	#2 Fuel Oil	#6 Fuel Oil	Alkalinity, Bicarbonate	Alkalinity, Total	Ammonia Nitrogen Total	Carbon, Total Organic	Gasoline	Kerosene	Nitrate + Nitrite Nitrogen	Nitrogen, Nitrate	Oil and Grease	Phosphorus, Phosphate	Solids, Total Dissolved	Solids, Total Suspended	Sulfate	Total Chloride	Dissolved Mercury	Total Mercury	TPH as Mineral Spirits	Sodium	Arsenic	Barium	Chromium	Chromium, Total	Iron	Calcium	Magnesium	Potassium
	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)
01/08/1987						11				4.02	<5		390	2935	21.8	82.6					64	991	<10	473	360			
06/04/1987						13.8				1.72	<5		293	5760	32	52.7					<10	<200	<10		310			
09/03/1987						3.62				1.74	12.6		243	2480	20.2	53.2					<10	<200	<10					
12/03/1987						3.89				4.59	<6		302	313	33.5	68.4												
03/03/1988						5.6				2.44	<6		331	1560	19.6	69.9												
04/07/1988						2.93				2.76	<6		296	1650	28.9	83					<10	<200	<10					
08/10/1988						5.92				3.25	8.46		127	4420	59.3	71					<10	<200	<10					
11/15/1988						3.86				4.83	10.6		313	170	<10	81					<10	<200	<10					
01/26/1989						2.34				3.91	24.6		392	556	<10	89.8												
04/27/1989						3.54				5.95	8.07		415	2090	19.5	115					<10	<200	<10					
07/27/1989						30				6.45	<6		460	1420	21	101					<10	<200	<10					
10/26/1989						3.74				0.23	<6		161	324	15.8	14.2					<10	<200	<10					
01/25/1990						3.49				2.92	<6		190	450	24.2	33.7					<10	<200	<10					
05/03/1990						4.01				1.2	<6		248	236	14.2	53					<10	<200	<10					
09/21/1990						2.93				0.53	<6		141	106	18.8	30.4					<10	<200	<10					
12/11/1990						0				0.58																		
12/12/1990						5.34					<6		198	175	15.1	31.8					<10	<200	<10					
01/30/1991						4.46				0.83	<6		204	98	13.6	40.6					<10	<200	<10					
05/01/1991						6.74				1.11	<6		175	648	11.2	32.8					<10	<200	<10					
10/08/1991						2.76				0.88	<5		253	388	15.5	56.6					<10	<200	<10					
10/29/1991			94.5	94.5								0.392			16.2	54.8				32400	0	<200				33100	9780	<5000
12/22/1991			85.8	85.8								0.267			13.8	35.2				25000		<200				24300	7430	<5000
06/24/1992										2.5		3.18				40.4			<500		<1							
12/18/1992					<1					2.3						59			<500	36500								
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				2.7							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									

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

Date	#2 Fuel Oil	#6 Fuel Oil	Ammonia Nitrogen Total	Gasoline	Kerosene	Nitrate	Nitrate + Nitrite Nitrogen	Nitrogen, Nitrate	Phosphorus, Phosphate	Total Chloride	Dissolved Mercury	Total Mercury	TPH as Mineral Spirits	Dissolved Iron	Dissolved Manganese	Sodium	Sulfate	Total Organic Carbon
	(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)
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			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

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

Date	#2 Fuel Oil	Ammonia Nitrogen Total	Gasoline	Kerosene	Nitrate	Nitrate + Nitrite Nitrogen	Nitrogen, Nitrate	Phosphorus, Phosphate	Total Chloride	Dissolved Mercury	Total Mercury	TPH as Mineral Spirits	Sodium
	(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)
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	

Updated: T. Dushek, 9/28/16
Checked by: A. Voit, 10/26/16

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

Date	#2 Fuel Oil	#6 Fuel Oil	Ammonia Nitrogen Total	Gasoline	Kerosene	Nitrate	Nitrate + Nitrite Nitrogen	Nitrogen, Nitrate	Phosphorus, Phosphate	Total Chloride	Dissolved Mercury	Total Mercury	TPH as Mineral Spirits	Dissolved Iron	Dissolved Manganese	Sodium	Sulfate	Total Organic Carbon
	(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)
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					

Updated: T. Dushek, 9/28/16
Checked by: A. Voit, 10/26/16

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

Date	#2 Fuel Oil	#6 Fuel Oil	Ammonia Nitrogen Total	Gasoline	Kerosene	Nitrate	Nitrate + Nitrite Nitrogen	Nitrogen, Nitrate	Phosphorus, Phosphate	Total Chloride	Dissolved Mercury	Total Mercury	TPH as Mineral Spirits	Dissolved Iron	Dissolved Manganese	Sodium	Sulfate	Total Organic Carbon
	(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)
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					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

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

Date	#2 Fuel Oil	#6 Fuel Oil	Ammonia Nitrogen Total	Gasoline	Kerosene	Nitrate + Nitrite Nitrogen	Nitrogen, Nitrate	Total Chloride	Dissolved Mercury	Total Mercury	TPH as Mineral Spirits	Sodium	Arsenic	Dissolved Iron	Dissolved Manganese	Sulfate	Total Organic Carbon
	(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)
06/24/1992							0.926	103			500		<1				
12/17/1992			<1				0.324	140			2,000	58,000					
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

Updated: T. Dushek, 9/28/16
Checked by: A. Voit, 10/26/16

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

Date	#2 Fuel Oil	#6 Fuel Oil	Ammonia Nitrogen Total	Carbon, Total Organic	Gasoline	Kerosene	Nitrate + Nitrite Nitrogen	Nitrogen, Nitrate	Oil and Grease	Phosphorus, Phosphate	Solids, Total Dissolved	Solids, Total Suspended	Sulfate	Total Chloride	Dissolved Mercury	Total Mercury	TPH as Mineral Spirits	Sodium	Arsenic	Barium	Chromium	Chromium, Total	Dissolved Iron	Iron	Dissolved Manganese
	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)
01/08/1987				7.31				<0.02	<5		485	8170	36.8	102					30.45	2285	<10	965		<100	
06/04/1987				4.6				0.29	5.08		385	4290	37.3	88.4					<10	<200	<10			370	
09/03/1987				29.5				0.14	29		343	1650	20.2	102					<10	<200	<10				
12/03/1987				5.64				0.15	<6		351	768	42.7	14											
03/03/1988				12				<0.02	9.52		471	2070	43.5	129											
04/07/1988				8.47				<0.02	<5		386	3300	47.2	123					<10	<200	<10				
08/10/1988				4.63				0.23	8.32		206	4310	53	107					<10	<200	<10				
11/15/1988				4.84				0.18	10.5		402	1970	19.6	100					<10	<200	<10				
01/26/1989				4.66				<0.02	9.28		423	567	<10	121											
04/27/1989				7.26				0.04	7.68		392	1020	35.2	115					<10	<200	<10				
07/27/1989				35.6				0.19	<6		388	2450	38.5	94.3					<10	<200	<10				
10/26/1989				2.77				0.2	<6		365	1050	46.5	85.5					<10	<200	<10				
01/25/1990				4.05				0.11	<6		466	1130	33.6	93.5					<10	<200	<10				
05/03/1990				12				<0.02	<6		384	540	37.1	96					<10	<200	<10				
09/20/1990				4.55				<0.02	<5		317	918	33.6	89.9					<10	<200	<10				
12/11/1990				5.62				0.19	<6		324	528	33.8	79					<10	<200	<10				
01/29/1991				4.41				<0.02	<6		293	963	31.6	76.1					<10	<200	<10				
05/01/1991				7.05				0.08	7.56		281	1400	30.1	74.8					<10	<200	<10				
10/08/1991				4.99				<0.02	<5		329	840	23.3	73.4					<10	<200	<10				
07/08/1992			<1					0.115		0.918							<500								
12/17/1992			<1					0.051						98.3			<500	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							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

Updated: T. Dushek, 9/28/16
Checked by: A. Voit, 10/26/16

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

Date	#2 Fuel Oil	#6 Fuel Oil	Ammonia Nitrogen Total	Carbon, Total Organic	Gasoline	Kerosene	Nitrate + Nitrite Nitrogen	Nitrogen, Nitrate	Oil and Grease	Solids, Total Dissolved	Solids, Total Suspended	Sulfate	Total Chloride	Dissolved Mercury	Total Mercury	TPH as Mineral Spirits	Sodium	Arsenic	Barium	Chromium	Chromium, Total	Iron
	(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)
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		<1				
12/18/1992			<1					0.231					25.9			<500	22,100					
06/30/1993			0.15				0.44						43			<1000						
12/28/1993			<0.2				0.1						24			<1000						
06/22/1994			<0.1				0.6						157			<1000						
07/05/1995	<0.25		0.97		<0.25	<0.25	<0.02						35			<250						
07/09/1996	<0.25	<1	<0.1		<0.25	<0.25	0.08						60			690						
07/11/1997			<0.1				0.15						30.4			<260						
06/23/1998			<0.1				0.14						95.2		<0.2	470						
06/08/1999			<0.1				0.66						354			<100						
07/18/2000			<0.02				1.04						98.7		0.21	<500						
01/30/2001			<0.02				0.290						34.1		<0.12	<500						
07/11/2001			<0.020				0.31						53		<0.14	<500						
08/07/2002			<0.020				<0.18						28		<0.070	<500						
07/24/2003			<0.011				0.24						31		<0.070	<28						
07/13/2004			<0.030				0.400 J						43.1		<0.11	<27						
07/20/2005			<0.030				0.55						13		<0.090	150						
07/19/2006			<0.023				<0.13						30		<0.060	<540						
07/09/2007			<0.021				0.62						18		<0.080	<27						
07/24/2008			<0.080				0.32						79		<0.050	85						
7/24/2008 Duplicate			<0.080				0.35						75		<0.050	86						
07/07/2009			<0.030				<0.12						46		<0.040	<26						
07/14/2010			<0.050				0.57						67		<0.040	31						
07/19/2011			<0.022				<0.18						89		<0.030	1300 M						
07/09/2012			0.073				0.15						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						

Updated: T. Dushek, 9/28/16
Checked by: A. Voit, 10/26/16

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

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

Updated: T. Dushek, 9/28/16
Checked by: A. Voit, 10/26/16

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

Date	Ammonia Nitrogen Total	Nitrate	Nitrate + Nitrite Nitrogen	Total Chloride	Dissolved Mercury	Total Mercury	TPH as Mineral Spirits	Dissolved Iron	Dissolved Manganese	Sulfate	Total Organic Carbon
	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(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

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

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

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

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

Date	Ammonia Nitrogen Total	Nitrate	Nitrate + Nitrite Nitrogen	Total Chloride	Dissolved Mercury	Total Mercury	TPH as Mineral Spirits
	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(ug/L)	(ug/L)	(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

Updated: T. Dushek, 9/28/16
Checked by: A. Voit, 10/26/16

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

Date	#2 Fuel Oil	#6 Fuel Oil	Ammonia Nitrogen Total	Gasoline	Kerosene	Nitrate	Nitrate + Nitrite Nitrogen	Nitrogen, Nitrate	Phosphorus, Phosphate	Total Chloride	Dissolved Mercury	Total Mercury	TPH as Mineral Spirits	Sodium	Arsenic
	(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)
02/25/1992								0.759		80.6			141,000		
06/16/1992								0.345	5.11	246			500		<1
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	5,600		
07/11/2001			0.40				0.64			210		0.21	6,300		
01/15/2002			0.88				<0.18			110					
08/06/2002			<0.020				0.63			230		0.12	8,600		
01/14/2003			0.53				1.1			200					
07/22/2003			0.74				1.2			170		0.48	7,000		
01/20/2004			1.10				0.62			240					
07/13/2004			0.90				0.81			1080		0.52	8300 Y		
07/13/2004			0.98				1.28			255		0.43	9300 Y		
01/20/2005			1.00				1.60			220					
07/19/2005			1.20				1.70			230		0.44	8,300		
01/17/2006			0.98				0.89			187					
07/19/2006			0.89				0.54			190		0.48	6,600		
01/23/2007			0.80				0.46			190					
07/09/2007			0.67				0.70			130		0.38	5600 Q		
01/28/2008			0.59				1.6 Q			160					
07/24/2008			0.53				1.40			220		0.62	9,100		
01/21/2009			0.85				1.20			300					
1/21/2009 Duplicate			0.94				0.68			300					
07/07/2009			0.75				1.80			280		0.28	3,300		
01/19/2010			0.77				1.7 V			250					
07/14/2010			0.21				3.80			110		0.2	2,900		
01/25/2011			0.32				1.40			89					
07/20/2011			0.13				<0.18			25		0.34	2,500		
01/17/2012			0.60				<0.18			84					
07/10/2012			0.46				0.098			140		0.94	5,600		
01/04/2013			0.51				0.350			210					
07/05/2013			0.37				<0.080			190		0.27	11,000		
01/21/2014								0.22							
07/09/2014								0.2			<0.016		9,100		
01/15/2015								0.15							
07/08/2015								<0.040			<0.050		8,200		
01/14/2016								0.27							
07/12/2016								<0.040			0.15		2,500		

Updated: T. Dushek, 9/28/16
Checked by: A. Voit, 10/26/16

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

Date	Ammonia Nitrogen Total	Nitrate + Nitrite Nitrogen	Total Chloride	Total Mercury	TPH as Mineral Spirits
	(mg/L)	(mg/L)	(mg/L)	(ug/L)	(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

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

Date	TPH as Mineral Spirits
	(ug/L)
07/01/2016	<33

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

Date	TPH as Mineral Spirits
	(ug/L)
07/01/2016	<34

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

Date	TPH as Mineral Spirits
	(ug/L)
07/01/2016	<33

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

Date	Nitrate Nitrogen	Total Sulfate	Total Organic Carbon	Dissolved Iron	Dissolved Manganese	TPH as Mineral Spirits
	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(ug/L)	(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

Updated: T. Dushek, 9/28/16
Checked by: A. Voit, 10/26/16

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

Date	Nitrate Nitrogen	Total Sulfate	Total Organic Carbon	Dissolved Iron	Dissolved Manganese	TPH as Mineral Spirits
	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(ug/L)	(ug/L)
01/24/2014		7.8	13	4,250 M	5,980 M	7,300
07/10/2014		16	6.7	3,910	3,150	3,500
7/10/2014 Duplicate		16	7.2	3,970	3,140	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

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

Date	TPH as Mineral Spirits
	(ug/L)
07/11/2016	250

Updated: T. Dushek, 9/28/16
Checked by: A. Voit, 10/26/16

C2

Phenolics

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

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

Notes: Prepared By: T. Dushek, 9/28/16 Checked By: A. Voit, 10/26/16

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	<2000	<5000	<2000	<5000	<2500	**11000**	<1000	
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	<5000	<10000	<5000	<5000	<10000	<5000	**6700**	<5000	

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
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**		
01/15/03	**1500**		<1500	<1500	**3900**	<1500	**4500**	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500		**13000**	<1500	<1500
07/22/03	<1500		<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500	<1500		**10000**	<1500	<1500
07/13/04	<600		<600	<600J	<600	<600	**1100**	<600	<600	<600	<600	<600	<600	<600	<800		**6600**	**810**	
01/21/04	<1500		<1500	<1500	<1500	<1500	<1500	<1500	<1500 J	<1500 J	<1500	<1500	<1500J	<1500	<1500J		**15000**	<1500J	
01/20/05	**700 JV**		<600 V	<600 V	<600 V	<600 V	<600 V	<600 V	<600 V	<600 V	**1700 V**	<600 V	<600 V	<600 V	<600 V		**9600 V**	**690 V**	
1/20/2005 Duplicate	**640 JV**		<600 V	<600 V	<600 V	<600 V	<600 V	<600 V	<600 V	<600 V	**2200 V**	<600 V	<600 V	<600 V	<600 V		**8700 V**	**760 V**	
07/21/05	**670 V**		<600 V	<600 V	<600 V	<600 V	<600 V	<600 V	<600 V	<600 V	**2500 V**	<600 V	<600 V	<600 V	<600 V		**9300V**	<600 V	
7/21/2005 Duplicate	<600 V		<600 V	<600 V	<600 V	<600 V	<600 V	<600 V	<600 V	<600 V	**920 V**	<600 V	<600 V	<600 V	<600 V		**8300V**	<600 V	
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	<8.7	<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	

Notes: Prepared By: T. Dushek, 9/28/16 Checked By: A. Voit, 10/26/16

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	<1000	<2000	<1000	<1000	<2000	<1000	**9200**	<1000	
12/18/95	<5000		<5000	<5000	<5000	<5000	<10000	<5000	<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&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	

Notes: Prepared By: T. Dushek, 9/28/16 Checked By: A. Voit, 10/26/16

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4.) M = Matrix spike and/or Matrix Spike duplicate recovery outside acceptance limits.

5.) Q = Laboratory Control Sample outside acceptance limits.

6.) Y = Replicate/Duplicate precision outside acceptance limits.

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

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

Notes: Prepared By: T. Dushek, 9/28/16 Checked By: A. Voit, 10/26/16

1.) All units are in ug/L.

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3.) J = Estimated Value

4.) M = Matrix spike and/or Matrix Spike duplicate recovery outside acceptance limits.

5.) Q = Laboratory Control Sample outside acceptance limits.

6.) Y = Replicate/Duplicate precision outside acceptance limits.

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

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

Date	2,3,4,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	3&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	<6.3	<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

Notes: Prepared By: T. Dushek, 9/28/16 Checked By: A. Voit, 10/26/16

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	<10
09/13/95	<10		<10	<10	<10	<10	<20	<10	<10	<10	<10	<20	<10	<10	<20	<10	<1	<10
12/18/95	<10		<10	<10	<10	<10	<20	<10	<10	<10	<10	<20	<10	<10	<20	<10	<1	<10
03/20/96	<10		<10	<10	<10	<10	<20	<10	<10	<10	<10	<20	<10	<10	<20	<10	**6.4**	<10
07/08/96	<10		<10	<10	<10	<10	<20	<10	<10	<10	<10	<20	<10	<10	<20	<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

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
01/11/00	<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
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	<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	<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	<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	<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	<3.0	<4.0		**6.4**	<3.0
01/19/05	<3.0		<3.0	<3.0	<3.0	<3.0 M	<3.0MY	<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	<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	<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	<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
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	<3.0
07/22/08	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
01/20/09	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0Q	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
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
07/13/10	<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
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	<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	<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	<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	<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
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	<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
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	<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	<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	<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

Notes: Prepared By: T. Dushek, 9/28/16 Checked By: A. Voit, 10/26/16

1.) All units are in ug/L.

2.) Bold Values indicate detections

3.) J = Estimated Value

4.) M = Matrix spike and/or Matrix Spike duplicate recovery outside acceptance limits.

5.) Q = Laboratory Control Sample outside acceptance limits.

6.) Y = Replicate/Duplicate precision outside acceptance limits.

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

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

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

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

Date	2,3,4,6-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	3&4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Chloro-3-Methylphenol	4-Nitrophenol	Dinoseb	Pentachlorophenol	Phenol
07/11/97	<0.182		<0.453	<0.469	<0.344	<0.148	<0.269	<0.397	<0.194	<0.252	<0.104	<0.128	<0.362	<0.105	<0.351		**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

Notes: Prepared By: T. Dushek, 9/28/16 Checked By: A. Voit, 10/26/16

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	**700**		<180	<190	<140	<270	<360	<210	<150	<200	<130	<150	<210	<250	<140		**8,800**	<70
7/23/2008 Duplicate	**740**		<180	<200	<140	<280	<370	<210	<160	<200	<140	<150	<210	<250	<140		**9,300**	<71
07/06/09	**370**		<160	<170	<120	<240	<320	<190	<140	<180	<120	<140	<190	<220	<130		**5,500**	<63
7/6/2009 Duplicate	**410**		<160	<180	<120	<240	<330	<190	<140	<180	<120	<140	<190	<220	<130		**6,000**	<63

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	<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

Notes: Prepared By: T. Dushek, 9/28/16 Checked By: A. Voit, 10/26/16

1.) All units are in ug/L.

2.) Bold Values indicate detections

3.) J = Estimated Value

4.) M = Matrix spike and/or Matrix Spike duplicate recovery outside acceptance limits.

5.) Q = Laboratory Control Sample outside acceptance limits.

6.) Y = Replicate/Duplicate precision outside acceptance limits.

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

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

Date	2,3,4,6-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	3&4-Methylphenol	4-Chloro-3-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Nitrophenol	Dinoseb	Pentachlorophenol	Phenol
07/08/92		<1.07		<1.07	1.31	<0.535	<1.07		<0.535		<0.535		<0.535	<1.07	<1.07		**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	**4.5**		**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	<3.0J	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<4.0		**25**	<3.0J
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

Notes: Prepared By: T. Dushek, 9/28/16 Checked By: A. Voit, 10/26/16

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 - 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	<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	

Notes: Prepared By: T. Dushek, 9/28/16 Checked By: A. Voit, 10/26/16

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	<1.03		**2.83**	**11.4**
12/17/92		<1		<1	<0.5	<0.5	<1		<0.5		<0.5		<1	<0.5	<1		**3.67**	<0.5
06/29/93	<1		<1	<1	<1	<10	<1	<1		<10	<1	<20	<1	<10	<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	
06/21/94	<10		<20	<10	<10	<10	<20	<10		<10	14	<20	<10	<10	<20	<10	**73**	
07/06/95	**47**		<10	<10	<10	<10	<50		<10	<10	<10	<20	<50	<20	<50	<25	**210**	<10
07/08/96	<10		<10	<10	<10	<10	<20	<10	<10	<10	<10	<20	<10	<10	<20	<10	**1.5**	<10
07/11/97	<0.182		<0.453	<0.469	<0.344	<0.148	<0.269	<0.397	<0.194	<0.252	<0.104	<0.128	<0.362	<0.105	<0.351		**3.5**	<0.127
06/23/98	<30		<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30		**220**	<30
06/08/99	<150		<150	<150	<150	<150	<150	<150	<150	<150	<150	<150	<150	<150	<150		**290**	<150
07/17/00	**21.5**		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	**3.15**		**510**	<3
01/30/01	<60		<60	<60	<60	<60	<60	<60	<60	<60	<60	<60	<60	<60	<60		**950**	<60
07/10/01	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
08/05/02	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/22/03	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/13/04	<3.0		<3.0	<3.0	<3.0	<3.0	<4.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<4.0		<3.0	<3.0
07/19/05	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/19/06	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/09/07	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/23/08	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/06/09	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/14/10	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/18/11	<1.2		<1.2	<1.1	<1.1	<0.88	<1.6 Q	<1.3	<0.94	<0.92	<0.97	<1.5	<1.7 Q	<0.82	<1.2		<1.2 Q	<0.52
01/23/12	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		**2.9**	<3.0
04/09/12																	**450**	
4/9/2012 Duplicate																	**470**	
07/09/12	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		**420**	<3.0
07/01/13	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/07/14	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/06/15	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/05/16	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0

Notes: Prepared By: T. Dushek, 9/28/16 Checked By: A. Voit, 10/26/16

1.) All units are in ug/L.

2.) Bold Values indicate detections

3.) J = Estimated Value

4.) M = Matrix spike and/or Matrix Spike duplicate recovery outside acceptance limits.

5.) Q = Laboratory Control Sample outside acceptance limits.

6.) Y = Replicate/Duplicate precision outside acceptance limits.

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

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

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

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

Date	2,3,4,6-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	3&4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Chloro-3-Methylphenol	4-Nitrophenol	Dinoseb	Pentachlorophenol	Phenol
01/28/08	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<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	<3.0
01/20/09	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0Q	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
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
07/13/10	<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
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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<3.0

Notes: Prepared By: T. Dushek, 9/28/16 Checked By: A. Voit, 10/26/16

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 - 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	<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
07/12/04	<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	<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
07/18/06	<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
07/09/07	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/22/08	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/06/09	<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
07/13/10	<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
07/09/12	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/01/13	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0

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 - W16

Date	2,3,4,6-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	3&4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Chloro-3-Methylphenol	4-Nitrophenol	Dinoseb	Pentachlorophenol	Phenol
01/08/87																	**12.4**	
06/04/87																	**27.3**	
09/03/87																	<1	
12/03/87																	<1	
03/03/88																	**13.9**	
04/07/88																	<1	
08/10/88																	**13.7**	
11/15/88																	**19.8**	
01/26/89																	**2.34**	
04/27/89																	**265**	
07/27/89																	**2.04**	
10/26/89																	**1.49**	
01/25/90																	**31**	
05/03/90																	**1.66**	
09/21/90																	**3.44**	
12/12/90																	**1.93**	
01/30/91																	**4.53**	
05/01/91																	<1	
06/19/91																	**2.03**	
10/08/91																	**5.35**	
06/16/92		<1.02		<1.02	<0.51	<0.51	<1.02		<0.51		<0.51		<1.02	<0.51	<1.02		<1.02	**27.6**
12/18/92		<1		<1	<0.5	<0.5	<1		<0.5		<0.5		<1	<0.5	<1		**4.79**	<0.5
06/29/93	<1		<1	<1	<1	<10	<1	<1		<10	<1	<20	<1	<10	<1	<1	<1	
12/28/93	<10		<20	<10	<10	<10	<20	<10		<10	<10	<20	<10	<10	<20	<10	**11**	
06/21/94	<10		<20	<10	<10	<10	<20	<10		<10	<10	<20	<10	<10	<20	<10	**43**	
07/06/95	<34		<14	<14	<14	<14	<69		<14	<13.7	<14	<27.4	<69	<27	<69	<34	<69	<14
07/08/96	<10		<10	<10	<10	<10	<20	<10	<10	<10	<10	<20	<10	<10	<20	<10	<1	<10
07/11/97	<0.182		<0.453	<0.469	<0.344	<0.148	<0.269	<0.397	<0.194	<0.252	<0.104	<0.128	<0.362	<0.105	<0.351		**2.9**	<0.127
06/24/98	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
06/07/99	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/18/00	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	**3.2**		**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	<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	<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
07/19/05	<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
07/13/10	<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	**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	<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	<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	<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
07/08/14	<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	<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

Notes: Prepared By: T. Dushek, 9/28/16 Checked By: A. Voit, 10/26/16

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	<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**
1/21/2005 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	<60	<60	<60	<60	<60	<60	<60	<60	<60	**110**	<60	<60	<60	<60	**940**	<60
1/23/2007 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	**19**	<16	<18	<12	<24	<33	<19	<14	<18	<12	<14	<19	<22	<13	**570**	<6.3
7/6/2009 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	**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
7/6/2012 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	<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
1/15/2015 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	<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
1/14/2016 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

Notes: Prepared By: T. Dushek, 9/28/16 Checked By: A. Voit, 10/26/16

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	<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	<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

Notes: Prepared By: T. Dushek, 9/28/16 Checked By: A. Voit, 10/26/16

1.) All units are in ug/L.

2.) Bold Values indicate detections

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4.) M = Matrix spike and/or Matrix Spike duplicate recovery outside acceptance limits.

5.) Q = Laboratory Control Sample outside acceptance limits.

6.) Y = Replicate/Duplicate precision outside acceptance limits.

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

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

Notes: Prepared By: T. Dushek, 9/28/16 Checked By: A. Voit, 10/26/16

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	<10	<1	<1		<10	<1	<20	<1	<10	<1	<1	**2.8**	
12/28/93	<10		<20	<10	<10	<10	<20	<10		<10	<10	<20	<10	<10	<20	<10	**33**	
06/22/94	100		56	27	<10	<10	<20	<10		<10	<10	<20	<10	<10	<20	<10	**44**	
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	<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	<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
07/18/06	<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
07/09/07	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/22/08	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/07/09	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/14/10	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/18/11	<1.1		<1.1	<1.0	<1.0	<0.85	<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	<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
07/08/14	<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	<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
07/05/16	<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

Notes: Prepared By: T. Dushek, 9/28/16 Checked By: A. Voit, 10/26/16

1.) All units are in ug/L.

2.) Bold Values indicate detections

3.) J = Estimated Value

4.) M = Matrix spike and/or Matrix Spike duplicate recovery outside acceptance limits.

5.) Q = Laboratory Control Sample outside acceptance limits.

6.) Y = Replicate/Duplicate precision outside acceptance limits.

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

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

Date	2,3,4,6-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	3&4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Chloro-3-Methylphenol	4-Nitrophenol	Dinoseb	Pentachlorophenol	Phenol	Phenol/2-Chlorophenol
02/25/92		<10		<10	<5	<5	<10		<5		<5		**12**	<5	<10		**37,300**	<5	
06/14/92		**73.1**		<11.1	**77.9**	<5.56	<11.1		<0.556		<5.56		**1.7**	<5.56	<1.11		**33,500**	<0.556	
09/17/92		<1		<1	**1.62**	<0.5	<1		<0.5		<0.5		<1	<0.5	**1.14**		**117**	<0.5	
12/18/92		**69.9**		1230	<0.5	<0.5	<1		<0.5		**70.1**		<1	<0.5	**25.8**		**74,300**	**119**	
03/24/93		<20		<6	<2	<2	<6000		<2		<2		<10	<10	<10		**81,440**	<2	
06/30/93	<1		<1	<1	<1	<10	<1	<1		<10	<1	<20	<1	<10	<1	<1	**1**		<20
12/28/93	<100		<200	<100	<100	<100	<200	<100		<100	<100	<200	<100	<100	<200	<100	**1,500**		**460**
04/25/94	**430**		<20	<10	**140**	**110**	**45**	**66**		**17**	**110**	<20	**19**	**130**	**71**	**24**	**1,100**		**27**
06/22/94	**2,900**		**930**	**1,800**	**600**	<100	**200**	310		<100	**210**	<200	**150**	**300**	**300**	<100	**6,100**		<200
10/04/94	**190**		<100	<50	<50	<50	<100	<50		<50	<50	<100	<50	<50	<100	<50	**1,400**		<100
03/09/95	<1000		<2000	<1000	<1000	<1000	<2000	<1000		<1000	<1000	<2000	<1000	<1000	<2000	<1000	**7,300**		<2000
07/06/95	<630		<250	<250	<250	<250	<1300		<250	<250	<250	<500	<1300	<500	<1300	<630	**2,600**	<250	
09/13/95	<1000		<1000	<1000	<1000	<1000	<2000	<1000	<1000	<1000	<1000	<2000	<1000	<1000	<2000	<1000	**2,000**	<1000	
12/18/95	<100		<100	<100	<100	<100	<200	<100	<100	<100	<100	<200	<100	<100	<200	<100	**3,200**	<100	
03/21/96	<1000		<1000	<1000	<1000	<1000	<2000	<1000	<1000	<1000	<1000	<2000	<1000	<1000	<2000	<1000	**610**	<1000	
07/10/96	<1000		<1000	<1000	<1000	<1000	<2000	<1000	<1000	<1000	<1000	<2000	<1000	<1000	<2000	<1000	**730**	<1000	
09/25/96	**1,280**		<7.3	<7.1	<8	<15	<7.2	<8.7	<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	<300	**2,300**	<300	<300	<300	<300		**5,900**	**890**	
07/11/07	**450**		<73	<87	<58	<44	<89	<110	<61	<27	<54	<48	<65	<28	<53		**3,500**	<22	
01/28/08	**520**		<82	<97	<65	<49	<99	<130	<68	<30	<60	<53	<73	<31	<59		**5,000**	<25	
07/24/08	**470**		<86	<93	<66	<130	<170	<100	<74	<95	<65	<73	<100	<120	<67		**4,400**	<34	
01/21/09	**170**		<82	<90	<64	<130	<170	<96Q	<71	<91	<63	<70	<97	<110	<65		**2,300**	<32	
07/07/09	**580**		<160	<170	<120	<240	<320	<190	<140	<180	<120	<140	<190	<220	<130		**5,800**	<63	
01/19/10	**31**		<8.2	<9	<6.4	<13	<17	<9.6	<7.1	<9.1	<6.3	<7	<9.7	<11	<6.5		**480**	<3.2	
07/15/10	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.2	<3.0	<3.0		**19**	<3.0	
7/15/2010 Duplicate	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		**52**	<3.0	

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

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

Notes: Prepared By: T. Dushek, 9/28/16 Checked By: A. Voit, 10/26/16

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	<500	<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	<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	<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	<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	<15.0		**68**	**36**	
01/24/07	<30		<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	<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	<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	<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	<3.3		**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	<3.2		**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	<3.2		**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	<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	<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	<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	<1.1		**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	<1.1		**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	<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	<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	<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	<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	<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	<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	<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	<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	<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**	<3.0	

Notes: Prepared By: T. Dushek, 9/28/16 Checked By: A. Voit, 10/26/16

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

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**	
07/06/95	**7,600**		<10	<10	<10	<10	<50		<10	<10	<10	<20	<50	<20	<50	<25	<5000	<10
09/13/95	<1000		<1000	**1,100**	<1000	<1000	<2000	<1000	<1000	<1000	<1000	<2000	**2,900**	<1000	<2000	<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	**1,600**		**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	<60	**72**	<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

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

Notes: Prepared By: T. Dushek, 9/28/16 Checked By: A. Voit, 10/26/16

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	Dinoseb	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	<100	<200	<100	<100	<200	<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

Notes: Prepared By: T. Dushek, 9/28/16 Checked By: A. Voit, 10/26/16

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4.) M = Matrix spike and/or Matrix Spike duplicate recovery outside acceptance limits.

5.) Q = Laboratory Control Sample outside acceptance limits.

6.) Y = Replicate/Duplicate precision outside acceptance limits.

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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	Dinoseb	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	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	<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
07/12/04	<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		**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	<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	<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	<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
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	<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	<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	<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		**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	<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		**0.45**	<3.0

Notes: Prepared By: T. Dushek, 9/28/16 Checked By: A. Voit, 10/26/16

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

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	<3.0J	<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

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	**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
7/24/2008 Duplicate	**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		**7.2**	<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		**7.7**	<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		**3300**	<14
07/11/16	**710**		<12	<51	<13	<20	<29	<40	<12	<15	<12	<17	<30	<14	<20		**6600**	<24
7/11/2016 Duplicate	**660**		<12	<51	<13	<20	<29	<40	<12	<15	<12	<17	<30	<14	<20		**6400**	<24

Notes: Prepared By: T. Dushek, 9/28/16 Checked By: A. Voit, 10/26/16

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	**4.2**		<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	**5.7**		<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 - 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	<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	<3.0
07/13/04	<3.0		<3.0	<3.0	<3.0	<3.0	<4.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<4.0		<3.0	<3.0
07/20/05	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/18/06	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		**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	<3.0
07/22/08	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/07/09	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/14/10	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/18/11	<1.1		<1.1	<1.0	<1.0	<0.84	<1.5 Q	<1.2	<0.89	<0.88	<0.92	<1.4	<1.6 Q	<0.78	<1.1		<1.1 Q	<0.49
07/09/12	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/01/13	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/07/14	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/06/15	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/05/16	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0

Notes: Prepared By: T. Dushek, 9/28/16 Checked By: A. Voit, 10/26/16

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

Notes: Prepared By: T. Dushek, 9/28/16 Checked By: A. Voit, 10/26/16

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	<3.0	<3.0Q	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
1/20/2009 Duplicate	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0Q	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/06/09	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
01/18/10	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		<3.0	<3.0
07/14/10	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0		**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

Notes: Prepared By: T. Dushek, 9/28/16 Checked By: A. Voit, 10/26/16

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

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

Date	2,3,4,6-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	3&4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Chloro-3-Methylphenol	4-Nitrophenol	Dinoseb	Pentachlorophenol	Phenol
01/17/12	**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

Notes: Prepared By: T. Dushek, 9/28/16 Checked By: A. Voit, 10/26/16

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

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

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

Notes: Prepared By: T. Dushek, 9/28/16 Checked By: A. Voit, 10/26/16

1.) All units are in ug/L.

2.) Bold Values indicate detections

3.) J = Estimated Value

4.) M = Matrix spike and/or Matrix Spike duplicate recovery outside acceptance limits.

5.) Q = Laboratory Control Sample outside acceptance limits.

6.) Y = Replicate/Duplicate precision outside acceptance limits.

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

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

Date	2,3,4,6-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	3&4-Methylphenol	4,6-Dinitro-2-Methylphenol	4-Chloro-3-Methylphenol	4-Nitrophenol	Dinoseb	Pentachlorophenol	Phenol
02/25/92		<20		<20	**119**	<10	<20		<10		**85.9**		<20	**68**	<20		**8,610**	<10
06/16/92		**441**		**703**	**227**	**60.9**	**170**		<5.1		**143**		<51	**44.1**	<51		**16,600**	<5.1
09/17/92		<1		<1	<0.5	<0.5	223		<0.5		<0.5		<1	<0.5	**109**		**6,070**	<0.5
12/19/92		<1		<1	<0.5	<0.5	<1		<0.5		<0.5		<1	<0.5	<1		**16,400**	<0.5
03/24/93		<8000		<2400	<800	<800	<2400		<800		<800		<4000	<4000	<4000		**14,300**	<800
06/30/93	**3,600**		<200	<100	<100	<100	<200	**3,600**		<100	<100	<200	<100	**1,600**	<200	<100	**32,000**	
12/28/93	**710**		<200	**150**	**320**	**260**	<200	**140**		**180**	**150**	<200	<100	<100	<200	<100	**9,500**	
04/25/94	**1,000**		<2000	<1000	<1000	<1000	<2000	<1000		<1000	<1000	<2000	<1000	<1000	<2000	<1000	**12,000**	
06/21/94	**930**		**980**	**820**	**430**	**110**	**1100**	**210**		<100	**330**	<200	**230**	**250**	**500**	<100	**4,900**	
10/04/94	<500		<1000	<500	<500	<500	<1000	<500		<500	<500	<1000	<500	<500	<1000	<500	**690**	
03/10/95	<1000		<2000	<1000	<1000	<1000	<2000	<1000		<1000	<1000	<2000	<1000	<1000	<2000	<1000	**3,600**	
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**			**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		**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

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
01/19/05	<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
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

Notes: Prepared By: T. Dushek, 9/28/16 Checked By: A. Voit, 10/26/16

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4.) M = Matrix spike and/or Matrix Spike duplicate recovery outside acceptance limits.

5.) Q = Laboratory Control Sample outside acceptance limits.

6.) Y = Replicate/Duplicate precision outside acceptance limits.

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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**

Notes:

Prepared By: T. Dushek, 9/28/16

Checked By: A. Voit, 10/26/16

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 - 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: 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 - 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**

Notes:

Prepared By: T. Dushek, 9/28/16

Checked By: A. Voit, 10/26/16

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 - 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**

Notes:

Prepared By: T. Dushek, 9/28/16 Checked By: A. Voit, 10/26/16

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 - W71

Date	Pentachlorophenol
07/06/15	<3.0
01/15/16	<3.0
07/01/16	<3.0

Notes:

Prepared By: T. Dushek, 9/28/16

Checked By: A. Voit, 10/26/16

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 - W72

Date	Pentachlorophenol
07/06/15	<3.0
01/15/16	<3.0
07/01/16	<3.0

Notes: Prepared By: T. Dushek, 9/28/16 Checked By: A. Voit, 10/26/16

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 - W73

Date	Pentachlorophenol
07/06/15	<3.0
01/15/16	<3.0
07/01/16	<3.0

Notes:

Prepared By: T. Dushek, 9/28/16

Checked By: A. Voit, 10/26/16

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

Notes:

Prepared By: T. Dushek, 9/28/16

Checked By: A. Voit, 10/26/16

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.

C3

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
1,1,1,2-Tetrachloroethane				<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	<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	<0.60	<0.60	<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	<2.0	<0.50	<1.0	<0.50	<0.50	<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	<0.24	<0.29					
1,1-Dichloropropene				<1		<1	<1		<1	<0.2	<0.3	<0.3	<4	<0.20	<2.0	<0.50	<1.0	<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	<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	<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	<0.5	<0.3	<0.3	<5	<0.30	<2.5	<0.50	<1.0	<0.50	<0.70	<0.70	<0.40	<0.40	<0.40	<0.30	<0.30					
1,2,4-Trimethylbenzene				**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**
1,2-Dibromo-3-chloropropane				<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	<0.50					
1,2-Dibromoethane				<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	<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	<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	<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	<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																<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		<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	<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	<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	<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**					

\\ntapb-madison\msn-vol6\-\WPMSN\PJT2\189597\2016 Table for April 2017 Report\VOC2016.xls 11/22/2016

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
Carbon disulfide	<5	<50	<5										
Carbon tetrachloride	<5	<50	<5	<1	<1	<1	<1	<1	<1	<0.2	<0.4	<0.4	<3
Chlorobenzene	<5	<50	<5	<1	<1	<1	<1	<1	<1	<0.3	<0.3	<0.3	<3
Dibromochloromethane	<5	<50	<5	<1	<1	<1	<1	<1	<1	<0.3	<0.3	<0.3	<4
Chloroethane	<10	<100	<10	<2	<2	<2	<2	<2	<2	<0.4	<0.8	<0.8	<5
Chloroform	**6.19**	<50	<5	**5.2**	**5.2**	**4.2**	**1.4**	**1.1**	**2.3**	<0.2	<0.2	<0.2	<5
Chloromethane	<10	<100	<10	<2	<2	<2	<2	<2	<2	<0.7	<0.9	<0.9	<3
Dibromomethane				<1		<1	<1		<1	<0.1	<0.2	<0.2	<4
Dichlorodifluoromethane				<2	<2	<2	<2		<2	<0.3	<1.2	<1.2	<5
Diisopropyl Ether					<1							<0.3	<1
Ethylbenzene	<5	<50	<5	<1	<1	<1	<1	<1	<1	<0.2	<0.2	<0.2	<1
Hexachlorobutadiene				<1	<1	<1	<1		<1	<0.5	<0.6	<0.6	<6
Isopropylbenzene				**26**	**25**	**4.2**	**27**		**3.1**	<0.2	**38**	**12**	<1
p-Isopropyltoluene				<1	**39**	**9.7**	**50**		**4.0**	**24**	**67**	**60**	**34**
Methyl tert-butyl ether					<1							<0.2	<11
Methylene chloride	<5	**116**	**14.1**	<3	<3	<3	<3	<3	<3	<0.3	<0.5	<0.5	<19
Naphthalene	<11	<10	<10	**6**	**38**	**4.2**	**19**	**2.9**	**3.8**	<0.8	**17**	**7.5**	<7
n-Propylbenzene				**7**	**25**	**5.2**	**23**		**5.0**	<0.3	**76**	**10**	<3
Styrene	<5	<50	<5	**4.4**		<1	<1		<1	<0.2	<0.2	<0.2	<2
Tetrachloroethene	<5	<50	<5	<1	<1	<1	**6.3**	<1	<1	<0.3	<0.6	<0.6	<4
Tetrahydrofuran													
Toluene	<5	<50	<5	<1	<1	<1	<1	<1	<1	<0.2	<0.2	<0.2	<1
Trichloroethene	<5	<50	<5	<1	<1	<1	<1	<1	<1	<0.2	<0.3	<0.3	<3
Trichlorofluoromethane				<1	<1	<1	<1	<1	<1	<0.5	<0.6	<0.6	<4
Vinyl acetate	<10	<100	<10										
Vinyl chloride	<10	<100	<10	<1	<1	<1	<1	<1	<1	<0.3	<0.5	<0.5	<4
Xylene, m & p-				<2	**15**	**2.8**	**15**	<2	**4.6**	<0.4	**24**	<0.3	<2
Xylene, o-				**8.9**	**30**	**6.3**	**49**	**1.4**	**7.4**	<0.2	<0.5	**24**	<1
Xylenes, Total	**5.88**	<50	**18.3**										

Parameter	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
Carbon disulfide		**170**				<1.1	<1.0	<0.50	<0.50	<0.50	<0.50	<0.60					
Carbon tetrachloride	<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	<0.10	<1.5	<0.80	<1.6	<0.80	<0.50	<0.40	<0.30	<0.30	<0.30	<0.24	<0.30					
Dibromochloromethane	**<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	**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	**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	**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	<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	<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	<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	<0.10	<0.5	<0.50	<1.0	<0.50	<0.50	<0.50	<0.28	<0.28	<0.28	<0.22	<0.29					
Hexachlorobutadiene	<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	**0.47**	**16**	**6.1**	**1.1**	**2**	<0.40	<0.60	<0.20	**0.91**	**0.31**	<0.18	<0.30					
p-Isopropyltoluene	**0.89**	**47**	**18**	**11**	**5**	<0.40	**15**	**3.2**	**3.4**	**15**	**11**	**10**					
Methyl tert-butyl ether	<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	<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	**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**
n-Propylbenzene	**0.47**	**15**	**6**	**2.4**	**1.9**	<0.40	**0.57**	**0.26**	**0.27**	**0.61**	**0.5**	**0.4**					
Styrene	<0.10	<1.0	**14**	**4.5**	**4.7**	<0.50	<0.50	<0.30	<0.30	<0.30	<0.20	<0.30					
Tetrachloroethene	<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	<3.0	<4.0					
Toluene	<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	<0.20	<1.5	<0.60	<1.2	<0.60	<0.15	<0.15	<0.15	<0.15	<0.15	<0.21	<0.40					
Trichlorofluoromethane	<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						<8.0	<1.7	<1.1	<1.1	<1.1	<3.0	<4.0					
Vinyl chloride	<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-	<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**
Xylene, o-	**0.16**	<0.5	<0.50	<1.0	<0.50	<0.40	<0.60	<0.50	<0.50	<0.50	<0.24	<0.29		**4.2**	**1.7**	**2**	**2.3**
Xylenes, Total							<1.5	<1.0	<1.0	<1.0	<1.0	<0.89		**4.2**	**1.7**	**2**	**3.11**

Prepared By: T. Dushek, 9/28/16

Checked by: A. Voit, 10/26/16

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 limts.

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
1,1,1,2-Tetrachloroethane				<1	<1		<10	<0.1	<0.3	<18	<18	<25	<25	<4.8	<4.0							
1,1,1-Trichloroethane	<5	<50	<5	<1	<1	<20	<10	<0.3	<0.3	<10	<10	<30	<30	<4.2	<2.9							
1,1,2,2-Tetrachloroethane	<5	<50	<5	<1	<1	<20	<10	<0.2	<0.2	<16	<16	<7.5	<7.5	<3.8	**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**
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
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	<10	<100	<10	<2	<2	<40	<20	<0.7	<0.9	<8.0	<8.0	<12	<12	<8.0	<4.0							
Dibromomethane				<1	<1		<10	<0.1	<0.2	<10	<10	<35	<35	<4.8	<3.0							
Dichlorodifluoromethane				<2	<2		<20	<0.3	<1.2	<10	<10	<30	<30	<5.2	<3.0							
Diisopropyl ether										<10	<10	<25	<25	<4.0	<3.0							
Ethylbenzene	**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**
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**
Xylene, o-				**170**	**200**	**97**	**218**	**550**	**440**	**280**	**240**	**290**	**270**	**160**	**120**			**83**	**91**	**90**	**95**	**120**
Xylenes, Total	**181**	**257**	**292**	**253**	**252**	**97**	**373**	**730**	**650**	**315**	**264**	**290**	**270**	**185**	**143**			**100**	**91**	**90**	**126**	**169**

Prepared By: T. Dushek, 9/28/16
Checked by: A. Voit, 10/26/16
NOTES:
All Units are in ug/L
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 limts
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
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**
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
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**
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**
Xylene, o-	**200**	**87**		**72**	**90**	**66**	**67**	**45**	**59**
Xylenes, Total	**255**	**108**		**88**	**90**	**66**	**67**	**45**	**80**

Prepared By: T. Dushek, 9/28/16
Checked by: A. Voit, 10/26/16
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 limts.
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	<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	<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	<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
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
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
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
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
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
Xylenes, Total				<1.5	<1.0	<1.0	<1.0	**15.5**	**3.2**		<1.4	<1.5	<1.6	<1.2

Prepared By: T. Dushek, 9/28/16

Checked by: A. Voit, 10/26/16

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
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**
1,2-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
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**
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**
Xylene, o-	**300**	**190**	**210**	**170**	**93**		**48**	**45**	**40**	**41**	**41**	**9.2**
Xylenes, Total	**382**	**230**	**252**	**192**	**105**		**48**	**45**	**42.7**	**46.7**	**46.7**	**10.7**

Prepared By: T. Dushek, 9/28/16
Checked by: A.Voit, 10/26/16

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 limts.
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	<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**	<0.2	<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
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
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
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	<0.90	<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
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
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
Xylenes, Total					<1.5	<1.0	<1.0	<1.0	<1.0	<0.89		<1.4 MY	<1.5	<1.6	<1.2

Prepared By: T. Dushek, 9/28/16

Checked by: A. Voit, 10/26/16

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 limts.

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
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		<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
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	<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	<0.50	<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	<0.60	<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	<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	<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-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					
Acetone	<10															<9.0	<10.0	<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	<0.60	<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	**0.86**	<0.50	**2.2**	**1.0**	**1.5**	**0.96**	<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	<0.50	<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	**0.36**	<0.3	<0.40	**1.7**	<0.40	**1.3**	**0.77**	**1.1**	**0.68**	**0.77B**	**0.44B**	<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	**3.1**	<1	**4.0**	**4**	**0.6**	<0.2	<0.1	<0.10	<0.1	<0.50	**0.52**	<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		**2.5**	**5.7**	**5.6**		**10.9**	**19**	**10**	**6.2**	**4.1**	**7.0**	**1.4**	**0.72**	**6.5**	**3.9**	**3.7**	**1.5**	**1.9**	**1.3**	**2**	<0.18	**0.35**					
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					

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
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**
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	<0.30					
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	<0.21	<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	**0.83**	<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	**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
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
Xylenes, Total	<5																<1.5	<1.0	<1.0	<1.0	<1.0	<0.89		<1.4	<1.5	<1.6	<1.2

Prepared By: T. Dushek, 9/28/16

Checked by: A.Voit, 10/26/16

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 limts.

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
1,1,1,2-Tetrachloroethane			<1	<1		<10	<0.1	<0.3	<6	<8	<4.0	<10	<23	<23	<0.90	<0.50	<35 *	<30	<30	<30	<15	<15	<4.8	<8.0	<8.0									
1,1,1-Trichloroethane	<5	<1	<1	<1	<10	<10	<0.3	<0.3	<6	<6	<4.0	<7.5	<13	<13	<0.50	<0.60	<25 *	<30	<30	<30	<15	<15	<4.2	<5.8	<5.8									
1,1,2,2-Tetrachloroethane	<5	<1	<1	<1	**11**	<10	<0.2	<0.2	<4	<8	<4.0	<10	<20	<20	<0.80	<0.15	<6.5 *	<7.0	<7.0	<7.0	<3.5	<3.5	<3.8	<6.0	<6.0									
1,1,2-Trichloroethane	<5	<1	<1	<1	<10	<10	<1	<0.2	<4	<4	<2.0	<5.0	<23	<23	<0.90	<0.40	<25 *	<25	<25	<25	<13	<13	<5.2	<6.0	<6.0									
1,1-Dichloroethane	<5	<1	<1	<1	<10	<10	<0.2	<0.2	<4	<8	<2.0	<10	<13	<13	<0.50	<0.50	<20 *	<20	<20	<20	<10	<10	<4.0	<5.6	<5.6									
1,1-Dichloroethene	<5	<1	<1	<1	<10	<10	<0.4	<0.2	<4	<18	<2.0	<23	<10	<10	<0.40	<0.50	<15 *	<20	<20	<20	<10	<10	<4.8	<5.8	<5.8									
1,1-Dichloropropene			<1	<1		<10	<0.2	<0.3	<6	<8	<4.0	<10	<13	<13	<0.50	<0.50	<30 *	<25	<25	<25	<13	<13	<4.8	<8.0	<8.0									
1,2,3-Trichlorobenzene		<1	<1	<1		<10	<0.5	<0.4	<8	<10	<6.0	<13	<13	<13	<0.50	<0.60	<25 *	<25	<25	<25	<13	<13	<6.0	<8.0	<8.0									
1,2,3-Trichloropropane			<1	<1		<10	<0.3	<0.2	<4	<6	<2.0	<7.5	<20	<20	<0.80	<0.60	<35 *	<15	<15	<15	<7.5	<7.5	<4.2	<8.0	<8.0									
1,2,4-Trichlorobenzene		<1	<1	<1		<10	<0.5	<0.3	<6	<10	<6.0	<13	<13	<13	<0.50	<0.70	<35 *	<20	<20	<20	<10	<10	<6.0	<6.0	<6.0									
1,2,4-Trimethylbenzene		**500**	**900**	**700**		**524.8**	**440**	**800**	**530**	**700**	**810**	**760**	**750**	**820**	**31**	**1000**	**700 ***	**1100**	**1300**	**1400**	**760**	**730**	**900**	**610**	**680**			**530**	**430**	**450**	**290**	**290**	**150**	**170**
1,2-Dibromo-3-chloropropane		<3	<3	<3		<30	<0.3	<0.3	<6	<6	<8.0	<7.5	<10	<10	<0.40	<1.1	<15 *	<20	<20	<20	<10	<10	<8.0	<10	<10									
1,2-Dibromoethane		<2	<2	<2		<20	<0.2	<0.4	<8	<6	<2.0	<7.5	<7.5	<7.5	<0.30	<0.60	<25 *	**6.5**	<6.5	<6.5	<3.3	<3.3	<3.2	<6.0	<6.0									
1,2-Dichlorobenzene		<1	<1	<1	<10	<10	<0.3	<0.3	<6	<6	<4.0	<7.5	<18	<18	<0.70	<0.50	<25 *	<20	<20	<20	<10	<10	<4.6	<8.0	<8.0									
1,2-Dichloroethane	<5	<1	<1	<1	<10	<10	<0.2	<0.2	<4	<8	<4.0	<10	<23	<23	<0.90	<0.50	<25 *	<15	<15	<15	<7.5	<7.5	<6.0	<6.0	<6.0									
cis-1,2-Dichloroethene		<1	<1	<1	<10	<10	<0.2	<0.2	<4	<8	<4.0	<10	<13	<13	<0.50	<0.60	<20 *	<20	<20	<20	<10	<10	<5.0	<6.0	<6.0									
trans-1,2-Dichloroethene	<5	<1	<1	<1	<10	<10	<0.2	<0.3	<6	<16	<2.0	<20	<10	<10	<0.40	<0.60	<20 *	<25	<25	<25	<13	<13	<5.0	<6.0	<6.0									
1,2-Dichloropropane	<5	<1	<1	<1	<10	<10	<0.1	<0.2	<4	<6	<4.0	<7.5	<10	<10	<0.40	<0.50	<25 *	<11	<11	<11	<5.3	<5.3	<4.4	<5.8	<5.8									
1,3,5-Trimethylbenzene		**170**	**140**	**60**		**27.7**	**50**	**130**	**57**	**78**	**9.5**	**120**	**94**	**61**	**1.8**	**9.6**	**20***	**63**	**81**	**100**	**20**	**17**	**25**	**77**	**88**									
1,3-Dichlorobenzene		<1	<1	<1	<10	<10	<0.7	<0.4	<8	<8	<2.0	<5.0	<13	<13	<0.50	<0.50	<20*	<20	<20	<20	<10	<10	<5.2	<6.0	<6.0									
cis-1,3-Dichloropropene	<5		<1	<1	<10	<10	<0.3	<0.3	<6	<4	<2.0	<10	<15	<15	<0.60	<0.12	<7.5*	<7.0	<7.0	<7.0	<3.5	<3.5	<3.8	<5.6	<5.6									
1,3-Dichloropropane		<1	<1	<1		<10	<0.3	<0.6	<12	<8	<2.0	<10	<30	<30	<1.2	<0.60	<25*	<9.5	<9.5	<9.5	<4.8	<4.8	<4.6	<6.0	<6.0									
trans-1,3-Dichloropropene	<5		<1	<1	<10	<10	<0.2	<0.2	<4	<10	<2.0	<13	<18	<18	<0.70	<0.14	<7.0*	<7.0	<7.0	<7.0	<3.5	<3.5	<3.8	<6.0	<6.0									
1,4-Dichlorobenzene		<1	<1	<1	<10	<10	<0.3	<0.3	<6	<8	<2.0	<10	<13	<13	<0.50	<0.50	<30 *	<25	<25	<25	<13	<13	<4.6	<6.0	<6.0									
2,2-Dichloropropane		<1	<1	<1		<10	<0.2	<0.5	<10	<4	<4.0	<5.0	<15	<15	<0.60	<0.60	<30 *	<15	<15	<15	<7.5	<7.5	<5.0	<5.6	<5.6									
2-Butanone (MEK)	<10															<7.0	<250 *	<200	<200	<200	<100	<100	<48	<60	<60									
2-Chloroethyl vinyl ether					<100																													
2-Chlorotoluene		<1	<1	<1		<10	<0.4	<0.3	<6	<8	<2.0	<10	<15	<15	<0.60	<0.50	<25 *	<15	<15	<15	<7.5	<7.5	<4.4	<6.0	<6.0									
2-Hexanone	<10															<7.0	<400 *	<200	<200	<200	<100	<100	<80	<80	<80									
4-Chlorotoluene		<1	<1	<1		<10	<0.3	<0.3	<6	<6	<4.0	<7.5	<15	<15	<0.60	**0.81**	<30 *	<15	<15	<15	<7.5	<7.5	<4.2	<5.8	<5.8									
4-Methyl-2-Pentanone (MIBK)	<10															<7.0	<300 *	<150	<150	<150	<75	<75	<60	<60	<60									
Acetone	<10															<9.0	<500 *	<350	<350	<350	<180	<180	<100	<100	<100									
Benzene	<5	**3.3**	**5.2**	**5**	<10	<10	<0.2	**25**	<6	<2	<2.0	<2.5	<10	<10	<0.40	**0.86**	<20 *	<8.0	<8.0	<8.0	<4.0	**4.3**	<3.8	<6.0	<6.0									
Bromobenzene		<1	<1	<1		<10	<0.3	<0.2	<4	<10	<2.0	<13	<13	<13	<0.50	<0.50	<30 *	<15	<15	<15	<7.5	<7.5	<4.0Q	<6.0 M	<6.0									
Bromochloromethane			<1	<1		<10	<0.4	<0.2	<4	<8	<2.0	<10	<13	<13	<0.50	<0.50	<35 *	<11	<11	<11	<5.3	<5.3	<4.4	<8.0	<8.0									
Bromodichloromethane	<5	<1	<1	<1	**41**	<10	<0.2	<0.2	<4	<4	<2.0	<5.0	<10	<10	<0.40	<0.13	<7.5 *	<9.5	<9.5	<9.5	<4.8	<4.8	<4.0	<6.0	<6.0									
Bromoform	<5		<1	<1	<10	<10	<0.3	<0.2	<4	<2	<4.0	<2.5	<15	<15	<0.60	<0.50	<11 *	<25	<25	<25	<13	<13	<4.4	<4.8	<4.8									
Bromomethane	<10		<2	<2	<20	<20	<0.3	<0.9	<18	<8	<8.0	<10	<20	<20	<0.80	<0.80	<45 *	<20	<20	<20	<10	<10	<10	<6.0	<6.0									
n-Butylbenzene		**110**	**58**	**85**		**71.2**	**32**	**88**	**67**	**86**	**18**	**66**	**78**	**76**	**2.9**	**22**	<20 *	**30**	**61**	<12	**21**	**24**	**23**	**15**	**17**									
sec-Butylbenzene		**14**	**24**	<1		<10	<0.3	**48**	**33**	**37**	**19**	**16 j**	**23**	**20**	**0.94 J**	**30**	<25 *	**29**	**48**	**50**	**34**	**32**	**37**	**23**	**26**									
tert-Butylbenzene		<1	<1	**250**		<10	<0.3	<0.3	<6	<2	**6.1**	<2.5	<13	<13	<0.50	**11**	<25 *	<12	<12	**36**	**12**	**11**	**6.4**	**9.3**	**9.3**									
Carbon disulfide	<5															<1.1	<50 *	<25	<25	<25	<13	<13	<10	<12	<12									
Carbon tetrachloride	<5	<1	<1	<1	<10	<10	<0.2	<0.4	<8	<6	<2.0	<7.5	<15	<15	<0.60	<0.50	<25 *	<20	<20	<20	<10	<10	<4.6	<8.0	<8.0									
Chlorobenzene	<5	<1	<1	<1	<10	<10	<0.3	<0.3	<6	<6	<2.0	<7.5	<20	<20	<0.80	<0.50	<20 *	<15	<15	<15	<7.5	<7.5	<4.8	<6.0	<6.0									
Chlorodibromomethane	<5	<1	<1	<1	<10	<10	<0.3	<0.3	<6	<8	<2.0	<10	<10	<10	<0.40	<0.60	<30 *	<12	<12	<12	<5.8	<5.8	<3.8	<5.2	<5.2									
Chloroethane	<10	<2	<2	<2	<20	<20	<0.4	<0.8	<16	<10	<8.0	<13	<13	<13	<0.50	**0.71**	<30 *	<20	<20	<20	<10	<10	<8.0	<6.0	<6.0									
Chloroform	<5	**1.4**	<1	**1.7**	<10	<10	<0.2	<0.2	<4	<10	**5.5**	<13	<15	<15	<0.60	**0.89**	<25 *	<11	<11	<11	<5.5	<5.5	<3.0	<4.6	<4.6									
Chloromethane	<10	<2	<2	<2	<20	<20	<0.7	<0.9	<18	<6	<4.0	<7.5	<10	<10	<0.40	**0.33**	<15 *	<15	<15	<15	<7.5	<7.5	<8.0	<8.0	<8.0									
Dibromomethane			<1	<1		<10	<0.1	<0.2	<4	<8	<4.0	<10	<13	<13	<0.50	<0.70	<40 *	<20	<20	<20	<10	<10	<4.8	<6.0	<6.0									
Dichlorodifluoromethane		<2	<2	<2		<20	<0.3	<1.2	<24	<10	<2.0	<13	<13	<13	<0.50	<0.60	<15 *	<20	<20	<20	<10	<10	<5.2	<6.0	<6.0									
Diisopropyl Ether		<1							<6	<2	<2.0	<2.5	<13	<13	<0.50	<0.50	<20 *	<25	<25	<25	<13	<13	<4.0	<6.0	<6.0									
Ethylbenzene	**35.2**	**20**	**38**	**33**	**40**	**34.6**	<0.2	**40**	**16**	**19**	**20**	**20**	**22**	**32**	**1.1**	**28**	<25 *	**44**	**37**	**39**	**27**	**25**	**40**	**17**	**20**									
Hexachlorobutadiene		<1	<1	<1		<10	<0.5	<0.6	<12	<12	<4.0	<15	<13	<13	<0.50	<0.60	<45 *	<30	<30	<30	<15	<15	<6.0	<8.0 M	<8.0									
Isopropylbenzene		**23**	**41**	**39**		<10	**16**	**50**	**51**	**32**	**27**	**31**	**35**	**38**	**1.6**	**45**	**35 ***	**55**	**77**	**75**	**50**	**50**	**35**	**42**	**45**									

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
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
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**
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**
Xylenes, Total	**252**															**57**	**32 ***	**111**	**142**	**151**	**67**	**60**	**185**	**117**	**126**			**109**	**104**	**58**	**39**	**38**	**43**	**47**

Prepared By: T. Dushek, 9/28/16
Checked by: A.Voit, 10/26/16

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 limts.
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
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	<0.90	<0.50	<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	<0.50	<0.60	<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	<0.80	<0.15	<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	<0.90	<0.40	<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	<0.50	<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	<0.40	<0.50	<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	<0.50	<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	<0.50	<0.60	<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	<0.80	<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	<0.50	<0.70	<0.70	<0.70	<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**
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	<0.50					
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	<0.60	<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	<0.50	<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	<0.50	<0.60	<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	<0.60	<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	<0.50	<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	<0.50	<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	<0.60	<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	<0.19	<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	<0.50	<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	<0.60	<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-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					
Acetone	<10																<9.0	<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	<0.40	<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	<0.20Q	<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
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	<0.3	<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	<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	<0.50	<0.60	<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	<0.50	<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	<0.50	<0.28	<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	<0.60	<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
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	<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	<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
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
Xylenes, Total	<5																		<1.5	<1.0	<1.0	<1.0	<1.0	**2.8**		**0.57 MY**	<1.5	<1.6	<1.2

Prepared By: T. Dushek, 9/28/16
Checked by: A.Voit, 10/26/16

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 limts.
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
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		<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	**7.1**	<0.2	**0.48**	<0.2	<0.50	<0.50	<0.50	<0.40	<0.50	<0.24	<0.24	<0.24	<0.20	<0.30		<0.40	<0.40	<0.60	<0.50	<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	<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	<0.50	<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	<0.60	<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	**0.9**	<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	<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	<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-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						
Acetone	<10															<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	**0.59**	<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	<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	<0.20	<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
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	<0.50	<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	<0.60	<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	<0.50	<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	**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						
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	<0.70	<0.60	<0.60	<0.60	<0.40	<0.40	<0.33	**0.70**	**0.94**	<1.2	<0.50	<0.90
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	<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
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
Xylenes, Total	<5																<1.5	<1.0	<1.0	<1.0	<1.0	<0.89		<1.4	<1.4	<1.5	<1.6	<1.2

Prepared By: T. Dushek, 9/28/16
Checked by: A.Voit, 10/26/16

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 limts.
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
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		<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		**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
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	<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	<0.50	<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	<0.60	<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	<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	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	<0.50	<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					<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-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					
Acetone	<10															<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		<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					

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
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	<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	<0.50	<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	<0.60	<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	<0.2	<0.1	<0.10	<0.1	<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
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	<0.50	<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	**0.34**	<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	<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
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
Xylenes, Total	<5																<1.5	<1.0	<1.0	<1.0	<1.0	<0.89		<1.4	<1.5	<1.6	<1.2

Prepared By: T. Dushek, 9/28/16

Checked by: A.Voit, 10/26/16

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 limts.

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
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		<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		**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	<0.24	<0.24	<0.24	<0.20	<0.30		<0.40	<0.60	<0.50	<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	<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	<0.50	<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	<0.60	<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		**1.8**	<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	<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	<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-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					
Acetone	<10															<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		<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					

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
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		**2.6**	<1	<1		<1	<0.6	<0.3	<0.3	<0.4	**0.15**	<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	1.5	<1		<1	<0.3	**0.45**	<0.2	**1.4**	**0.43**	<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	**0.18**	<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	<0.60	<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	<0.2	<0.2	<0.2	<0.5	**0.18**	<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	**0.85B**	<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	<0.10	<0.1	<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	**3 J,A,B,Q**	<0.40	<1.0	<0.50	<0.50	<0.50	<0.40	<0.40					
Naphthalene	<10	**1.4**	**6.6**	**4.4**	**1.2**	<1	**1.2**	<1.1	**1.85**	**1.2**	**0.83**	<0.7	<0.50	<0.50	<0.50	<0.60	<0.70	<0.60	<0.60	<0.60	<0.40	<0.40	<0.33	<0.50	<1.2	<0.50	<0.90
n-Propylbenzene		**1.7**	<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	<0.50	<0.30	<0.30	<0.30	<0.20	<0.30					
Tetrachloroethene	<5	<1	1.5	<1	<1	<1	<0.3	1.05	<0.6	0.51	**0.55**	<0.4	<0.50	<0.50	**0.85 J**	<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	**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
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
Xylenes, Total	<5																<1.5	<1.0	<1.0	<1.0	<1.0	<0.89		<1.4	<1.5	<1.6	<1.2

Prepared By: T. Dushek, 9/28/16
Checked by: A.Voit, 10/26/16

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 limts.
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	<0.20	<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	<0.24	<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	<0.20	<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	<0.50		
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-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		
Acetone	**13.3**															<9.0	<10.0	<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	<0.50	<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	<5															<1.1	<1.0	<0.50	<0.50	<0.50	<0.50	<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	<0.23	<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	<0.24	<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	<0.19	<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	<0.30		
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	<0.15	<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	<0.30	**0.84B**	<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	**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	<0.22	<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	<30	<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	<0.40	<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	<0.40	<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	<0.30		
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	**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	<0.30	<0.30		
Tetrahydrofuran																<7.0	<7.0	<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	<0.22	<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	<0.21	<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	<0.50	<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	<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	<0.18	<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	<0.24	<0.29		<0.50
Xylenes, Total	<5																<1.5	<1.0	<1.0	<1.0	<1.0	<0.89		<1.40

Prepared By: T. Dushek, 8/7/13
Checked by: A. Voit, 9/21/13

NOTES:

All Units are in ug/L

Bold values indicate detections

A = Analyte averaged calibration criteria within acceptable limits

B = Analyte detected in associated Method Blank

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

J = Estimated Value

Q = Lab Control Sample outside acceptance limits

***** = Suspected methylene chloride laboratory contamination.

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

Volatile Organic Compounds - Historical Data
WAULECO, INC - Wausau Facility
Well - 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
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		<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	**0.46**		<0.40	<0.60	<0.50	<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	<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	<0.50	<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	<0.60	<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	<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	<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-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	<0.21	<0.29					
4-Methyl-2-Pentanone (MIBK)	<10															<7.0	<6.0	<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					
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	<0.70	<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	<0.13	<0.15	<0.19	<0.19	<0.19	<0.20	<0.30					

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
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	<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	**0.74**					
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	**4.0**					
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	**2.3**					
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	<0.60	<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	**2.1**	**49**	**5.4**	**0.4**	<0.2	<0.5	**0.47**	<0.5	<0.60	<0.60	<0.60	<0.50	<0.50	<0.22	<0.22	<0.22	**0.17**	**4.3**					
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	**0.99B**	<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	<0.10	<0.1	<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	**2.3**					
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	**0.51 B**					
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	**3.5**	<0.34	<0.50	<1.2	<0.50	<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	<0.50	<0.30	<0.30	<0.30	<0.20	<0.30					
Tetrachloroethene	<5	<1	<1	<1	<1	<1	<0.3	**1.4**	<0.6	<0.4	**0.21**	<0.4	<0.50	**0.73**	**0.61 J**	**0.7**	<0.29	<0.40	**0.78**	**0.68**	**0.36**	**1.8**					
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	**1.3**	<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
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
Xylenes, Total	<5																<1.5	<1.0	<1.0	<1.0	<1.0	**0.9**		<1.4	<1.5	<1.6	<1.2

Prepared By: T. Dushek, 9/28/16
Checked by: A.Voit, 10/26/16

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 limts.
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
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**
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)		<70.	<5.0	<20	<20	<20	<20	<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		<70.	<8.0	<20	<20	<20	<20	<4.0	<4.0						
4-Chlorotoluene	<3.0	<4.0	<0.60	<1.5	<1.5	<1.5	<1.5	<0.21	<0.29						
4-Methyl-2-Pentanone (MIBK)		<70.	<6.0	<15	<15	<15	<15	<3.0	<3.0						
Acetone		<90.	**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
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**
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		<70	<7.0	<20	<20	<20	<20	<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		<80.	<1.7	<5.5	<5.5	<5.5	<5.5	<3.0	<4.0						
Vinyl chloride	<1.5	<1.2	<0.15	<0.75	<0.75	<0.75	<0.75	<0.18	<0.19						
Xylene, m & p-	**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
Xylene, o-	**27**	**12**	**16**	**17**	**20**	**20**	**21**	**18**	**4.4**			**22**	**22**	**8.9**	**4.1**
Xylenes, Total		**12**	**20.4**	**21.9**	**23.7**	**25**	**26.8**	**21.9**	**7.3**			**24.8**	**22**	**8.9**	**4.1**

Prepared By: T. Dushek, 9/28/16

Checked by: A.Voit, 10/26/16

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 limts.

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	<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
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	<0.70	<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
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	<0.50	<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
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
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
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
Xylenes, Total			<1.5	<1.0	<1.0	<1.0	<1.0	<0.89		<1.4	<1.5	<1.6	<1.2

Prepared By: T. Dushek, 9/28/16

Checked by: A. Voit, 10/26/16

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 limts.

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
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**
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
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**
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**
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**
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**

Prepared By: T. Dushek, 9/28/16

Checked by: A.Voit, 10/26/16

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 limts.

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
1,1,1,2-Tetrachloroethane			<1	<1		<1	<0.1	<0.3	<0.3		<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		<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
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	<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	<0.50	<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	<0.60	<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	<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	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	<0.50	<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					<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-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					
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	<0.70	<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					

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
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	<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	<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	<0.60	<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	<0.2	<0.2	**5.6**	<0.5	**0.41**	<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	**2.2AB**	<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	<0.10	<0.1	<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	**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	<0.33	<0.50	<1.2	<0.50	<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	<0.50	<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	<0.40	<0.29	<0.40	**0.93**	**1.9**	**0.86**	**0.65**					
Tetrahydrofuran																<7.0	<7.0	<4.0	<4.0	<4.0	<3.0	<4.0					
Toluene	<5	<1	<1	<1	<1	<1	<0.2	<0.2	<0.2	<0.1	<0.20	<0.1	<0.50	<0.50	<0.50	<0.40	<0.40	<0.20	<0.20	<0.20	<0.22	<0.30					
Trichloroethene	<5	<1	<1	<1	<1	<1	<0.2	<0.3	<0.3	<0.3	<0.20	<0.3	<0.60	<0.60	<0.60	<0.15	<0.15	<0.15	<0.15	<0.15	<0.21	<0.40					
Trichlorofluoromethane		<1	<1	<1	<1	<1	<0.5	<0.6	<0.6	<0.4	<0.20	<0.4	<0.40	<0.40	<0.40	<0.50	<0.70	<0.40	<0.40	<0.40	<0.20	<0.40					
Vinyl acetate	<10															<8.0	<1.7	<1.1	<1.1	<1.1	<3.0	<4.0					
Vinyl chloride	<10	<1	<1	<1	<1	<1	<0.3	<0.5	<0.5	<0.4	<0.10	<0.4	<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
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
Xylenes, Total	<5																<1.5	<1.0	<1.0	<1.0	<1.0	<0.89		<1.4	<1.5	<1.6	<1.2

Prepared By: T. Dushek, 9/28/16

Checked by: A.Voit, 10/26/16

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 limts.

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
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**
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	<0.95	<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	<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
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**
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	<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**
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**
Xylenes, Total	**472**	<50	**871**										**112**	**119.5 ***	**95**	**191**	**147**	**9**	**6.6**	**6.2**		**208**	**76**	**110**	**115**

Prepared By: T. Dushek, 9/28/16
Checked by: A.Voit, 10/26/16

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 limts.
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		<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	<0.50	<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	<0.50	<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	<0.60	<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	<0.70	<0.70
Chloroform	<5	<50	<5	**2.3**	<1	<1	<1	<1	<0.2	<0.2	<1	<0.5	**1.1**	<0.5	<0.60	<0.60	<0.60	**0.62**	**0.58**
Chloromethane	<10	<100	<10	<2	<2	<2	<2	<2	<0.7	<0.9	<4.5	<0.3	<0.20	<0.3	<0.40	<0.40	<0.40	<0.24	<0.24
Dibromomethane				<1		<1	<1		<0.1	<0.2	<1	<0.4	<0.20	<0.4	<0.50	<0.50	<0.50	<0.70	<0.70
Dichlorodifluoromethane				<2	<2	<2	<2		<0.3	<1.2	<6	<0.5	<0.10	<0.5	<0.50	<0.50	<0.50	<0.60	<0.60
Diisopropyl Ether					<1						<1.5	<0.1	<0.10	<0.1	<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	**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	<0.60	<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	**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	**0.59**	<.40
Methyl tert-butyl ether					<1						<1	<1.1	<0.30	<1.1	<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	**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	**7.8**	**4.2**
Styrene	<5	<50	<5	<1		<1	<1		<0.2	<0.2	<1	<0.2	<0.10	<0.2	<0.50	<0.5	<0.50	<0.50	<0.50
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	<0.40	<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	<0.50	<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	<0.12	<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	**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
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**
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
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
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
Xylene, o-	**44**	**47**	**5.3**	<0.50	**14**	**3.4**	**7.4**	**2**	**1.9**		<0.50	<0.50	<0.50	<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

Prepared By: T. Dushek, 9/28/16

Checked by: A. Voit, 10/26/16

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 limts.

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

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		<5	<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	<5	<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	<5	<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	<5	<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	<5	<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	<5	<1	<1	<1	<0.4	<0.2	<1	<45	<4.0	<23	<10	<0.80	<0.40
1,1-Dichloropropene				<1		<5	<1		<1	<0.2	<0.3	<1.5	<20	<4.0	<10	<13	<1.0	<0.50
1,2,3-Trichlorobenzene				<1	<1	<5	<1		<1	<0.5	<0.4	<2	<25	<6.0	<13	<13	<1.0	<0.50
1,2,3-Trichloropropane				<1		<5	<1		<1	<0.3	<0.2	<1	<15	<2.0	<7.5	<20	<1.6	<0.80
1,2,4-Trichlorobenzene				<1	<1	<5	<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**	**570**	**500**	**440**	**46**	**15**
1,2-Dibromo-3-chloropropane				<3	<3	<15	<3		<3	<0.3	<0.3	<1.5	<15	<8.0	<7.5	<10	<0.80	<0.40
1,2-Dibromoethane				<2	<2	<10	<2		<2	<0.2	<0.4	<2	<15	<2.0	<7.5	<7.5	<0.60	<0.30
1,2-Dichlorobenzene				<1	<1	<5	<1	<1	<1	<0.3	<0.3	<1.5	<15	<4.0	<7.5	<18	<1.4	<0.70
1,2-Dichloroethane	<5	<50	<50	<1	<1	<5	<1	<1	<1	<0.2	<0.2	<1	<20	<4.0	<10	<23	<1.8	<0.90
cis-1,2-Dichloroethene				<1	<1	<5	<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	<5	<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	<5	<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	<5	<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		<5	<1	<1	<1	<0.3	<0.3	<1.5	<10	<2.0	<5.0	<15	<1.2	<0.60
1,3-Dichloropropane				<1	<1	<5	<1		<1	<0.3	<0.6	<3	<20	<2.0	<10	<30	<2.4	<1.2
trans-1,3-Dichloropropene	<5	<50	<50	<1		<5	<1	<1	<1	<0.2	<0.2	<1	<25	<2.0	<13	<18	<1.4	<0.70
1,4-Dichlorobenzene				<1	<1	<5	<1	<1	<1	<0.3	<0.3	<1.5	<20	<2.0	<10	<13	<1.0	<0.50
2,2-Dichloropropane				<1	<1	<5	<1		<1	<0.2	<0.5	<2.5	<10	<4.0	<5.0	<15	<1.2	<0.60
2-Butanone (MEK)	<10	<100	<100															
2-Chloroethyl vinyl ether								<10										
2-Chlorotoluene				<1	<1	<5	<1		<1	<0.4	<0.3	<1.5	<20	<2.0	<10	<15	<1.2	<0.60
2-Hexanone	<10	<100	<100															
4-Chlorotoluene				<1	<1	<5	<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	<5	<1	0	<1	<0.3	<0.2	<1	<25	<2.0	<13	<13	<1.0	<0.50
Bromochloromethane				<1		<5	<1	0	<1	<0.4	<0.2	<1	<20	<2.0	<10	<13	<1.0	<0.50
Bromodichloromethane	<5	<50	<50	<1	<1	<5	<1	<1	<1	<0.2	<0.2	<1	<10	<2.0	<5.0	<10	<0.80	<0.40
Bromoform	<5	<50	<50	<1		<5	<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

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		<5	<1		<1	<0.1	<0.2	<1	<20	<4.0	<10	<13	<1.0	<0.50
Dichlorodifluoromethane				<2	<2	<10	<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	<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

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
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**
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

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
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
n-Propylbenzene	**0.95**	**2.1**	**2.3**	**0.21**	<.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
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
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

Prepared By: T. Dushek, 9/28/16

Checked by: A. Voit, 10/26/16

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 limts.

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
1,1,1,2-Tetrachloroethane			<1	<1		<10	<0.1	<0.3	<1.5	<4	<2.0	<4.0	<4.5	<2.3	<18	<10.0	<3.5 *	<3.0	<12	<6	<2.4	<2.4	<4.0					
1,1,1-Trichloroethane	<5	<1	<1	<1	<10	<10	<0.3	<0.3	<1.5	<3	<2.0	<3.0	<2.5	<1.3	<10	<12.0	<2.5 *	<3.0	<12	<6	<2.1	<2.1	<2.9					
1,1,2,2-Tetrachloroethane	<5	<1	<1	<1	<10	<10	<0.2	<0.2	<1	<4	<2.0	<4.0	<4.0	<2.0	<16	<3.0	<0.65 *	<0.70	<2.8	<1.4	<1.9	<1.9	<3.0					
1,1,2-Trichloroethane	<5	<1	<1	<1	<10	<10	<1	<0.2	<1	<2	<1.0	<2.0	<4.5	<2.3	<18	<8.0	<2.5 *	<2.5	<10	<5	<2.6	<2.6	<3.0					
1,1-Dichloroethane	<5	<1	<1	<1	<10	<10	<0.2	<0.2	<1	<4	<1.0	<4.0	<2.5	<1.3	<10	<10.0	<2.0 *	<2.0	<8	<4	<2.0	<2.0	<2.8					
1,1-Dichloroethene	<5	<1	<1	<1	<10	<10	<0.4	<0.2	<1	<9	<2.0	<9.0	<2.0	<1.0	<8.0	<10.0	<1.5 *	<2.0	<8	<4	<2.4	<2.4	<2.9					
1,1-Dichloropropene			<1	<1		<10	<0.2	<0.3	<1.5	<4	<2.0	<4.0	<2.5	<1.3	<10	<10.0	<3.0 *	<2.5	<10	<5	<2.4	<2.4	<4.0					
1,2,3-Trichlorobenzene		<1	<1	<1		<10	<0.5	<0.4	<2	<5	<3.0	<5.0	<2.5	<1.3	<10	<12.0	<2.5 *	<2.5	<10	<5	<3.0	<3.0	<4.0					
1,2,3-Trichloropropane			<1	<1		<10	<0.3	<0.2	<1	<3	<1.0	<3.0	<4.0	<2.0	<16	<12.0	<3.5 *	<1.5	<6	<3	<2.1	<2.1	<4.0					
1,2,4-Trichlorobenzene		<1	<1	<1		<10	<0.5	<0.3	<1.5	<5	<3.0	<5.0	<2.5	<1.3	<10	<14.0	<3.5 *	<2.0	<8	<4	<3.0	<3.0	<3.0					
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**
1,2-Dibromo-3-chloropropane		<3	<3	<3		<30	<0.3	<0.3	<1.5	<3	<4.0	<3.0	<2.0	<1.0	<8.0	<22.	<1.5 *	<2.0	<8	<4	<4.0	<4.0	<5.0					
1,2-Dibromoethane		<2	<2	<2		<20	<0.2	<0.4	<2	<3	<1.0	<3.0	<1.5	<0.75	<6.0	<12.0	<2.5 *	<0.65	<2.6	<1.3	<1.6	<1.6	<3.0					
1,2-Dichlorobenzene		<1	<1	<1	<10	<10	<0.3	<0.3	<1.5	<3	<2.0	<3.0	<3.5	<1.8	<14	<10.0	<2.5 *	<2.0	<8	<4	<2.3	<2.3	<4.0					
1,2-Dichloroethane	<5	<1	<1	<1	<10	<10	<0.2	<0.2	<1	<4	<2.0	<4.0	<4.5	<2.3	<18	<10.0	<2.5 *	<1.5	<6	<3	<3.0	<3.0	<3.0					
cis-1,2-Dichloroethene		<1	<1	<1	<10	<10	<0.2	<0.2	<1	<4	<2.0	<4.0	<2.5	<1.3	<10	<12.0	<2.0 *	<2.0	<8	<4	<2.5	<2.5	<3.0					
trans-1,2-Dichloroethene	<5	<1	<1	<1	<10	<10	<0.2	<0.3	<1.5	<8	<1.0	<8.0	<2.0	<1.0	<8.0	<12.0	<2.0 *	<2.5	<10	<5	<2.5	<2.5	<3.0					
1,2-Dichloropropane	<5	<1	<1	<1	<10	<10	<0.1	<0.2	<1	<3	<2.0	<3.0	<2.0	<1.0	<8.0	<10.0	<2.5 *	<1.1	<4.2	<2.1	<2.2	<2.2	<2.9					
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		<1	<1	<1	<10	<10	<0.7	<0.4	<2	<4	<1.0	<4.0	<2.5	<1.3	<10	<10.0	<2.0 *	<2.0	<8	<4	<2.6	<2.6	<3.0					
cis-1,3-Dichloropropene	<5		<1	<1	<10	<10	<0.3	<0.3	<1.5	<2	<1.0	<2.0	<3.0	<1.5	<12	<2.4	<0.75*	<0.70	<2.8	<1.4	<1.9	<1.9	<2.8					
1,3-Dichloropropane		<1	<1	<1		<10	<0.3	<0.6	<3	<4	<1.0	<4.0	<6.0	<3.0	<24	<12.0	<2.5 *	<0.95	<3.8	<1.9	<2.3	<2.3	<3.0					
trans-1,3-Dichloropropene	<5	0	<1	<1	<10	<10	<0.2	<0.2	<1	<5	<1.0	<5.0	<3.5	<1.8	<14	<2.8	<0.70*	<0.70	<2.8	<1.4	<1.9	<1.9	<3.0					
1,4-Dichlorobenzene		<1	<1	<1	<10	<10	<0.3	<0.3	<1.5	<4	<1.0	<4.0	<2.5	<1.3	<10	<10.0	<3.0 *	<2.5	<10	<5	<2.3	<2.3	<3.0					
2,2-Dichloropropane		<1	<1	<1		<10	<0.2	<0.5	<2.5	<2	<2.0	<2.0	<3.0	<1.5	<12	<12.0	<3.0 *	<1.5	<6	<3	<2.5	<2.5	<2.8					
2-Butanone (MEK)	<10															<140.	<25 *	**81**	<80	<40	**50**	**49**	<30					
2-Chloroethyl vinyl ether					<100																							
2-Chlorotoluene		<1	<1	<1		<10	<0.4	<0.3	<1.5	<4	<1.0	<4.0	<3.0	<1.5	<12	<10.0	<2.5 *	<1.5	<6	<3	<2.2	<2.2	<3.0					
2-Hexanone	<10															<140.	<40 *	<20	<80	<40	<40	<40	<40					
4-Chlorotoluene		<1	<1	<1		<10	<0.3	<0.3	<1.5	<3	<2.0	<3.0	<3.0	<1.5	<12	<8.0	<3.0 *	<1.5	<6	<3	<2.1	<2.1	<2.9					
4-Methyl-2-Pentanone (MIBK)	<10															<140.	<30 *	<15	<60	<30	<30	<30	<30					
Acetone	**20.1**															<180.	<50 *	<35	<140	<70	<50	<50	<50					
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		<1	<1	<1		<10	<0.3	<0.2	<1	<5	<1.0	<5.0	<2.5	<1.3	<10	<10.0	<3.0 *	<1.5	<6	<3	<2.0	<2.0	<3.0					
Bromochloromethane			<1	<1		<10	<0.4	<0.2	<1	<4	<1.0	<4.0	<2.5	<1.3	<10	<10.0	<3.5 *	<1.1	<4.2	<2.1	<2.2	<2.2	<4.0					
Bromodichloromethane	<5	<1	<1	<1	**31**	<10	<0.2	<0.2	<1	<2	<1.0	<2.0	<2.0	<1.0	<8.0	<2.6	<0.75 *	<0.95	<3.8	<1.9	<2.0	<2.0	<3.0					
Bromoform	<5		<1	<1	<10	<10	<0.3	<0.2	<1	<1	<2.0	<1.0	<3.0	<1.5	<12	<10.0	<1.1 *	<2.5	<10	<5	<2.2	<2.2	<2.4					
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					
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															<22.	<5.0 *	<2.5	<10	<5	<5.0	<5.0	<6.0					
Carbon tetrachloride	<5	<1	<1	<1	<10	<10	<0.2	<0.4	<2	<3	<1.0	<3.0	<3.0	<1.5	<12	<10.0	<2.5 *	<2.0	<8	<4	<2.3	<2.3	<4.0					
Chlorobenzene	<5	<1	<1	<1	<10	<10	<0.3	<0.3	<1.5	<3	<1.0	<3.0	<4.0	<2.0	<16	<10.0	<2.0 *	<1.5	<6	<3	<2.4	<2.4	<3.0					
Chlorodibromomethane	<5	<1	<1	<1	<10	<10	<0.3	<0.3	<1.5	<4	<2.0	<4.0	<2.0	<1.0	<8.0	<12.0	<3.0 *	<1.2	<4.6	<2.3	<1.9	<1.9	<2.6					
Chloroethane	<10	<2	<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					
Chloroform	<5	<1	<1	<1	<10	<10	<0.2	<0.2	<1	<5	<1.0	<5.0	<3.0	<1.5	<12	<10.0	<2.5 *	<1.1	<4.4	<2.2	<1.5	<1.5	**4.6**					
Chloromethane	**35.1**	<10	<2	<2	**48**	<20	<0.7	<0.9	<4.5	<3	<2.0	<3.0	<2.0	<1.0	<8.0	<4.8	<1.5 *	<1.5	<6	<3	<4.0	<4.0	<4.0					
Dibromomethane			<1	<1		<10	<0.1	<0.2	<1	<4	<2.0	<4.0	<2.5	<1.3	<10	<14.0	<4.0 *	<2.0	<8	<4	<2.4	<2.4	<3.0					
Dichlorodifluoromethane		<25	<2	<2		<20	<0.3	<1.2	<6	<5	<1.0	<5.0	<2.5	<1.3	<10	<12.0	<1.5 *	<2.0	<8	<4	<2.6	<2.6	<3.0					
Diisopropyl Ether		<1							<1.5	<1	<1.0	<1.0	<2.5	<1.3	<10	<10.0	<2.0 *	<2.5	<10	<5	<2.0	<2.0	<3.0					
Ethylbenzene	**35.4**	**4.8**	**40**	**32**	**71**	<10	**18**	**28**	**1.5**	**4.1**	**19**	<1.0	<2.5	**2.5**	**12 J**	<10.0	**7.6 ***	**6.9**	**9.5**	**13**	**26**	**23**	**14**					

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
Hexachlorobutadiene		<1	<1	<1		<10	<0.5	<0.6	<3	<6	<2.0	<6.0	<2.5	<1.3	<10	<12.0	<4.5 *	<3.0	<12	<6	<3.0	<3.0	<4.0					
Isopropylbenzene		**6.4**	**36**	**31**		**15.7**	**23**	**34**	**14**	**10.25**	**26**	**6.4**	**4.8**	**7.2**	**16 J**	**12**	**19 ***	**7.9**	**14**	**18**	**22**	**18**	**24**					
p-Isopropyltoluene		<1	**17**	<1		**20.3**	**30**	**39**	**18**	**24**	**12**	**12**	**7.6**	**9.8**	**19 J**	**13**	**4.6 ***	**15**	**9.9**	**13**	**6.6**	**6.5**	**9**					
Methyl tert-butyl ether		<1							<1	<11	<3.0	<11	<2.5	<1.3	<10	<12.0	<2.0 *	<1.2	<4.6	<2.3	<2.9	<2.9	<3.0					
Methylene chloride	**11**	<3	<3	<3	<30	<30	<0.3	<0.5	<2.5	<19	<4.0	<19	<5.0	<2.5	**78 A,B,Q**	<8.0	**16 Q***	**15**	<10	<5	**8.8**	**9.3**	**7.7 B**					
Naphthalene	**89.8**	**42**	**120**	**10**	**150**	**51.0**	**95**	**90**	**36**	**55**	**130**	**47**	**23**	**43**	**73**	**50**	**52 ***	**55**	**51**	**44**	**99**	**83**	**88**	**63**	**73**	**87**	**69**	**91**
n-Propylbenzene		**8.8**	**63**	**46**		**23.7**	**36**	**46**	**7.5**	**14.5**	**43**	**3.0 J**	**3.3**	**12**	**18 J**	**15**	**15 ***	**8.7**	**17**	**25**	**57**	**46**	**32**					
Styrene	<5		<1	<1		<10	<0.2	<0.2	<1	<2	<1.0	<2.0	<2.5	**3**	<10	<10.0	<2.5 *	<1.5	<6	<3	<2.0	<2.0	<3.0					
Tetrachloroethene	<5	<1	**3.2**	**2.8**	<10	<10	<0.3	<0.6	<3	<4	**1.4**	<4.0	<2.5	**2.5**	<10	<8.0	<1.5 *	<2.0	<8	<4	<3.0	<3.0	<3.0					
Tetrahydrofuran																<140	<35 *	<20	<80	<40	<30	<30	<40					
Toluene	**63.9**	**8.9**	**71**	**36**	100	<10	**6**	**18**	**1**	**6.4**	**3.4**	<1.0	<2.5	<1.3	<10	<8.0	<2.0 *	<1.0	<4	<2	<2.2	**2.8**	<3.0					
Trichloroethene	**20.8**	**4.4**	**17**	**12**	**61**	<10	**4**	**15**	<1.5	<3	**5.8**	<3.0	<3.0	<1.5	<12	**3.6**	**3.4 ***	**3.3**	**5.4**	**4.1**	**6.8**	**6.4**	<4.0					
Trichlorofluoromethane		<1	<1	<1	<10	<10	<0.5	<0.6	<3	<4	<2.0	<4.0	<2.0	<1.0	<8.0	<10.0	<3.5 *	<2.0	<8	<4	<2.0	<2.0	<4.0					
Vinyl acetate	<10															<160.	<8.5 *	<5.5	<22	<11	<30	<30	<40					
Vinyl chloride	<10	<1	<1	<1	<10	<10	<0.3	<0.5	<2.5	<4	<1.0	<4.0	<1.5	<0.75	<6.0	<2.4	<0.75 *	<0.75	<3	<1.5	<1.8	<1.8	<1.9					
Xylene, m & p-		**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**
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**
Xylenes, Total	**620**															**87**	**115.7 ***	**115**	**137**	**190**	**297**	**273**	**213**		**148**	**150**	**130**	**175**

Prepared By: T. Dushek, 9/28/16
Checked by: A.Voit, 10/26/16

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 limts.
J = Estimated Value
Q = Lab Control Sample outside acceptance limits
***** = Suspected methylene chloride laboratory contamination.

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

Parameter	07/08/92	06/29/93	12/28/93	06/22/94	07/05/95	07/09/96	07/11/97	06/24/98	06/08/99	07/18/00	01/30/01	07/10/01	08/06/02	07/23/03	07/12/04	07/18/05	07/18/06	07/10/07	07/23/08	07/07/09	07/13/10	07/18/11	07/19/12	07/02/13	07/10/14	07/07/15	07/06/16
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	<50	<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	<50	<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	<50	<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	<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	<0.50	<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	**7**	**15**		<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	**0.35**	<0.30		<0.40	<0.60	<0.50	<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	<0.50	<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)	<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-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					
Acetone	<100															<9.0	<10.0	<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	<0.40	<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	<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 - 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
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	<0.80	<0.90	<0.40	<0.40	<0.40	<0.50	<0.30					
n-Butylbenzene		<1	<1	1.6		<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	**0.21**	<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	<0.50	<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	<0.24	<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	<0.30					
Chloroform	<50	**1.4**	<1	<1	<1	<1	<0.2	<0.2	<0.2	<0.5	**0.36**	<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	**1.4MB**	**0.41B**	<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	<50	<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	<0.28	<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	**786**	<3	<3	<3	<3	<3	**0.4**	<0.5	<0.5	<1.9	<0.40	<1.9	<1.0	<1.0	**3.1 J,A,B,Q**	<0.40	<1.0	<0.50	<0.50	<0.50	<0.40	<0.40					
Naphthalene	<10	<1	**2.5**	**4.2**	<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
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	<0.50	<0.30	<0.30	<0.30	<0.20	<0.30					
Tetrachloroethene	<50	<1	<1	<1	**1.3**	<1	**0.3**	**1.2**	**0.6**	<0.4	**0.40**	<0.4	<0.50	<0.50	**0.94 J**	**0.65**	**0.41**	<0.40	<0.40	**0.62**	**0.49**	**0.66**					
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	**7**	**5.5**	**4.5**	**6.5**	**4.9**	**4.2**	**3.9**	**3**	**1.9**	**2.4**	**0.37 J**	**0.75**	**1.0**	**1.8 J**	**1.3**	**0.91**	**0.89**	**0.38**	**0.92**	**0.59**	**0.56**					
Trichlorofluoromethane		<1	<1	<1	<1	<1	<0.5	<0.6	<0.6	<0.4	<0.20	<0.4	<0.40	<0.40	<0.40	<0.50	<0.70	<0.40	<0.40	<0.40	<0.20	<0.40					
Vinyl acetate	<100															<8.0	<1.7	<1.1	<1.1	<1.1	<3.0	<4.0					
Vinyl chloride	<100	<1	<1	<1	<1	<1	<0.3	<0.5	<0.5	<0.4	<0.10	<0.4	<0.30	<0.30	<0.30	<0.12	<0.15	<0.15	<0.15	<0.15	<0.18	<0.19					
Xylene, m & p-		<2	<2	<2	<2	<2	<0.4	<0.3	<0.3	<0.2	<0.20	<0.2	<0.60	<0.60	<0.60	<1.0	<0.9	<0.50	<0.50	<0.50	<0.50	<0.60		<0.90	<1.0	<1.1	<0.80
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
Xylenes, Total	<50																<1.5	<1.0	<1.0	<1.0	<1.0	<0.89		<1.4	<1.5	<1.6	<1.2

Prepared By: T. Dushek, 9/28/16

Checked by: A.Voit, 10/26/16

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 limts.

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

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
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	<50	<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	<50	<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	<50	<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	<0.26	<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	<0.40	<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	<0.40	<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	<0.50	<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	**10**	**4.8**		**126.8**	**29**	**140**	<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	**1.4**		<0.40	<0.60	<0.50	**8.2**	**7.5**
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	<0.13	<0.16	<0.30						
1,2-Dichlorobenzene		<1	<1	<1	<1	<1	**3.8**	<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	<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	**1.4**	**0.7**	**1.3**	<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	**0.44**						
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	<0.50	<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	<0.21	<0.22	<0.29						
1,3,5-Trimethylbenzene		<1	<1	<1		<1	<0.4	**6.2**	<0.3	<0.3	<0.10	<0.3	<0.50	<0.50	<0.50	<0.50	<0.19	<0.19	<0.19	<0.19	<0.19	<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	<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	<0.14	<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	<0.19	<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	<0.14	<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	<0.60	<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	<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	<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	<0.30	<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	**1.5**	<1	**2.3**	**2.9**	**1.3**	**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	**2.7**						
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	<0.30	<0.20Q	<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	<50	<1	<1	<1	<1	<1	<0.2	**1.5**	<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 - W29

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
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	<0.50	<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	<0.80	<0.90	<0.40	<0.40	<0.40	<0.40	<0.50	<0.30						
n-Butylbenzene		<1	1.4	<1		**8.4**	<0.6	**12**	<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		**5.9**	**2.7**	**7.4**	<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	**3.1**						
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	**1.8**						
Carbon disulfide	<50															<1.1	<1.0	<0.50	<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	<0.50	<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	<0.24	<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	<0.23	<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	<0.30						
Chloroform	<50	<1	<1	<1	<1	<1	<0.2	**31**	**22**	<0.5	<0.10	<0.5	<0.60	<0.60	<0.60	<0.50	<0.50	**3.3**	**0.26**	**0.29**	<0.22	<0.15	**1.6**						
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	<0.30	**0.47AB**	<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	<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	**1.2**	**3.9**	**0.3**	**6.3**	<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	**1.7**	<1		**8.7**	**3.9**	**8.9**	<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	**2**						
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	<50	<3	<3	<3	<3	<3	<0.3	**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	<0.50	<0.40	<0.40						
Naphthalene	<10	<1	1.6	<1	**2.3**	**16.2**	**2.6**	**24**	<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	<3.2 V	<0.50	<1.2	<0.50	**2.5**	**2.8**
n-Propylbenzene		<1	1.7	<1		**11.2**	**3.6**	**14**	<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	<50		<1	<1		<1	<0.2	<0.2	<0.2	<0.2	<0.10	<0.2	<0.50	<0.50	<0.50	<0.50	<0.50	<0.30	<0.30	<0.30	<0.30	<0.20	<0.30						
Tetrachloroethene	<50	<1	<1	<1	<1	<1	<0.3	**1.8**	<0.6	<0.4	<0.10	<0.4	<0.50	<0.50	<0.50	<0.40	<0.29	<0.40	<0.40	<0.40	<0.40	<0.30	**0.51**						
Tetrahydrofuran																<7.0	<7.0	<4.0	<4.0	<4.0	<4.0	<3.0	<4.0						
Toluene	<50	<1	<1	<1	<1	<1	<0.2	**1.8**	<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	**3.4**	**10**	**3.1**	**20**	**34.4**	**16**	**17**	<0.3	<0.3	<0.20	<0.3	<0.60	**0.79**	**0.65 J**	<0.15	<0.15	**0.61**	<0.15	<0.15	**0.28**	**1.3**	**9.2**						
Trichlorofluoromethane		<1	<1	<1	<1	<1	<0.5	<0.6	<0.6	<0.4	<0.20	<0.4	<0.40	<0.40	<0.40	<0.50	<0.70	<0.40	<0.40	<0.40	<0.40	<0.20	<0.40						
Vinyl acetate	<100															<8.0	<1.7	<1.1	<1.1	<1.1	<1.1	<3.0	<4.0						
Vinyl chloride	<100	<1	<1	<1	<1	<1	<0.3	<0.5	<0.5	<0.4	<0.10	<0.4	<0.30	<0.30	<0.30	<0.12	<0.15	<0.15	<0.15	<0.15	<0.15	<0.18	<0.19						
Xylene, m & p-		<2	<2	<2	<2	**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**
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**
Xylenes, Total	<50																<1.5	<1.0	<1.0	<1.0	<1.0	<1.0	<0.89		<1.4	<1.5	<1.6	**8.1**	**7.5**

Prepared By: T. Dushek, 9/28/16
Checked by: A.Voit, 10/26/16

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 limts.
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
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	<50	<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	<50	<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	<50	<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	<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	<0.50	<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	<0.20	<0.30		<0.40	<0.60	<0.50	<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	<0.50	<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)	<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-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					
Acetone	<100															<9.0	<10.0	<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	<0.40	<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	<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
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	<0.80	<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	<0.60	<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	<0.50	<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	<0.24	<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	<0.30					
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	<0.26	<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	<50	<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	<0.28	<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	<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
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	<0.50	<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	<0.21	<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	<0.18	<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
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
Xylenes, Total	<50																<1.5	<1.0	<1.0	<1.0	<1.0	<0.89		<1.4	<1.5	<1.6	<1.2

Prepared By: T. Dushek, 9/28/16
Checked by: A.Voit, 10/26/16

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 limts.
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
1,1,1,2-Tetrachloroethane			<1	<1		<90	<45	<45	<25	<30	<30	<30	<6.0	<0.80					
1,1,1-Trichloroethane	<50	<1	<1	<1	<1	<50	**110**	<25	<30	<30	<30	<30	<5.3	<0.58					
1,1,2,2-Tetrachloroethane	<50	<1	<1	<1	<1	<80	<40	<40	<7.5	<7.0	<7.0	<7.0	<4.8	<0.60					
1,1,2-Trichloroethane	<50	<1	<1	<1	<1	<90	<45	<45	<20	<25	<25	<25	<6.5	<0.60					
1,1-Dichloroethane	<50	<1	<1	<1	<1	<50	<25	<25	<25	<20	<20	<20	<5.0	<0.56					
1,1-Dichloroethene	<50	<1	<1	<1	<1	<40	<20	<20	<25	<20	<20	<20	<6.0	<0.58					
1,1-Dichloropropene			<1	<1		<50	<25	<25	<25	<25	<25	<25	<6.0	<0.80					
1,2,3-Trichlorobenzene		<1	<1	<1		<50	<25	<25	<30	<25	<25	<25	<7.5	<0.80					
1,2,3-Trichloropropane			<1	<1		<80	<40	<40	<30	<15	<15	<15	<5.3	<0.80					
1,2,4-Trichlorobenzene		<1	<1	<1		<50	<25	<25	<35	<20	<20	<20	<7.5	<0.60					
1,2,4-Trimethylbenzene		<1	**10**	**4.8**		**1700**	**1400**	**1200**	**1400**	**1600**	**2800**	**1300**	**1200**	**100**		**210**	**230**	**120**	**170**
1,2-Dibromo-3-chloropropane		<3	<3	<3		<40	<20	<20	<55	<20	<20	<20	<10	<1.0					
1,2-Dibromoethane		<2	<2	<2		<30	<15	<15	<30	<6.5	<6.5	<6.5	<4.0	<0.60					
1,2-Dichlorobenzene		<1	<1	<1	<1	<70	<35	<35	<25	<20	<20	<20	<5.8	<0.80					
1,2-Dichloroethane	<50	<1	<1	<1	<1	<90	<45	<45	<25	<15	<15	<15	<7.5	<0.60					
cis-1,2-Dichloroethene		<1	<1	<1	<1	<50	<25	<25	<30	<20	<20	<20	<6.3	<0.60					
trans-1,2-Dichloroethene	<50	<1	<1	<1	<1	<40	<20	<20	<30	<25	<25	<25	<6.3	<0.60					
1,2-Dichloropropane	<50	<1	<1	<1	<1	<40	<20	<20	<25	<11	<11	<11	<5.5	<0.58					
1,3,5-Trimethylbenzene		<1	<1	<1		**2900**	**1500**	**820**	**730**	**1100**	**1000**	**770**	**650**	**65**					
1,3-Dichlorobenzene		<1	<1	<1	<1	<50	<25	<25	<25	<20	<20	<20	<6.5	<0.60					
cis-1,3-Dichloropropene	<50		<1	<1	<1	<60	<30	<30	<6	<7.0	<7.0	<7.0	<4.8	<0.56					
1,3-Dichloropropane		<1	<1	<1		<120	<60	<35	<30	<9.5	<9.5	<9.5	<5.8	<0.60					
trans-1,3-Dichloropropene	<50		<1	<1	<1	<70	<35	<60	<7	<7.0	<7.0	<7.0	<4.8	<0.60					
1,4-Dichlorobenzene		<1	<1	<1	<1	<50	<25	<25	<25	<25	<25	<25	<5.8	<0.60					
2,2-Dichloropropane		<1	<1	<1		<60	<30	<30	<30	<15	<15	<15	<6.3	<0.56					
2-Butanone (MEK)	<100								<350	<200	<200	<200	<60	<6.0					
2-Chloroethyl vinyl ether					<10														
2-Chlorotoluene		<1	<1	<1		<60	<30	<30	<25	<15	<15	<15	<5.5	<0.60					
2-Hexanone	<100								<350	<200	<200	<200	<100	<8.0					
4-Chlorotoluene		<1	<1	<1		<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	<1	**1.5**	<1	**2.3**	**82**	<20	<20	<20	<8.0	<8.0	<8.0	<4.8	<0.60					
Bromobenzene		<1	<1	<1		<50	<25	<25	<25	<15	<15	<15	<5.0Q	<0.60					
Bromochloromethane			<1	<1		<50	<25	<25	<25	<11	<11	<11	<5.5	<0.80					
Bromodichloromethane	<50	<1	<1	<1	<1	<40	<20	<20	<6.5	<9.5	<9.5	<9.5	<5.0	<0.60					
Bromoform	<50		<1	<1	<1	<60	<30	<30	<25	<25	<25	<25	<5.5	<0.48					
Bromomethane	<100		<2	<2	<2	<80	<40	<40	<40	<20	<20	<20	<13	<0.60					
n-Butylbenzene		<1	1.4	<1		**1800**	**1100**	**380**	**140**	**150**	**110**	**62**	**45**	**11**					
sec-Butylbenzene		<1	<1	<1		**520**	**220**	**89**	**50**	**120**	**90**	**49**	**50**	**7.1**					
tert-Butylbenzene		<1	<1	<1		<50	<25	<25	<25	**29**	**26**	**14**	**7.7**	**3.2**					
Carbon disulfide	<50								<55	<25	<25	<25	<13	<1.2					
Carbon tetrachloride	<50	<1	<1	<1	<1	<60	<30	<30	<25	<20	<20	<20	<5.8	<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
Chlorobenzene	<50	<1	<1	<1	<1	<80	<40	<40	<25	<15	<15	<15	<6.0	<0.60					
Chlorodibromomethane	<50	<1	<1	<1	<1	<40	<20	<20	<30	<12	<12	<12	<4.8	<0.52					
Chloroethane	<100	<2	<2	<2	<2	<50	<25	<25	<35	<20	<20	<20	<10	<0.60					
Chloroform	<50	<1	<1	<1	<1	<60	<30	<30	<25	<11	<11	<11	<3.8	**12**					
Chloromethane	<100	<2	<2	<2	<2	<40	<20	<20	<12	<15	<15	<15	<10	<0.80					
Dibromomethane			<1	<1		<50	<25	<25	<35	<20	<20	<20	<6.0	<0.60					
Dichlorodifluoromethane		<2	<2	<2		<50	<25	<25	<30	<20	<20	<20	<6.5	<0.60					
Diisopropyl Ether		<1				<50	<25	<25	<25	<25	<25	<25	<5.0	<0.60					
Ethylbenzene	<50	<1	<1	<1	**1.2**	**110**	<25	<25	<25	**19**	**20**	**15**	**19**	<0.58					
Hexachlorobutadiene		<1	<1	<1		<50	<25	<25	<30	<30	<30	<30	<7.5	<0.80					
Isopropylbenzene		<1	**1.7**	<1		**400**	**110**	**70 J**	**38**	**58**	**67**	**37**	**17**	**2.7**					
p-Isopropyltoluene		<1	<1	<1		**550**	**270**	**110**	**77**	**160**	**130**	**75**	**48**	**11**					
Methyl tert-butyl ether		<1				<50	<25	<25	<30	<12	<12	<12	<7.3	<0.60					
Methylene chloride	<50	<3	<3	<3	<3	<100	<50	**230 A,B,Q**	**35**	<25	<25	<25	**33**	**1.8 B**					
Naphthalene	<10	<1	1.6	<1	**2.3**	<50	**190**	**120**	**110 A**	**160**	**140**	**120**	**140**	**7.2**	**5.6**	**19**	**19**	**9.4**	**9.7**
n-Propylbenzene		<1	1.7	<1		**490**	**210**	**80**	**58**	**97**	**100**	**61**	**97**	**4.4**					
Styrene	<50		<1	<1		<50	**430**	<25	<25	<15	<15	<15	<5.0	<0.60					
Tetrachloroethene	<50	<1	<1	<1	<1	**160**	<25	<25	<20	<20	<20	<20	**7.7**	<0.60					
Tetrahydrofuran									<350	<200	<200	<200	<75	<8.0					
Toluene	<50	<1	<1	<1	<1	**100**	<25	<25	<20	<10	**11**	<10	<5.5	<0.60					
Trichloroethene	<50	**3.4**	**10**	**3.1**	**20**	<60	<30	<30	<7.5	<7.5	<7.5	<7.5	<5.3	<0.80					
Trichlorofluoromethane		<1	<1	<1	<1	<40	<20	<20	<25	<20	<20	<20	<5.0	<0.80					
Vinyl acetate	<100								<400	<55	<55	<55	<75	<8.0					
Vinyl chloride	<100	<1	<1	<1	<1	<30	<15	<15	<6.0	<7.5	<7.5	<7.5	<4.5	<0.38					
Xylene, m & p-		<2	<2	<2	<2	**590**	**260**	**110**	**110**	**170**	**230**	**160**	**130**	**1.9**		<9.0	<5.0	<5.5	**12**
Xylene, o-		<1	**3.7**	<1	**6.5**	**2200**	**740**	**570**	**360**	**430**	**490**	**370**	**310**	**9.3**		**42**	**52**	**43**	**54**
Xylenes, Total	<50								**470**	**600**	**720**	**530**	**440**	**11.2**		**42**	**52**	**43**	**66**

Prepared By: T. Dushek, 9/28/16

Checked by: A.Voit, 10/26/16

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 limts.

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
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**
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	<0.60	<0.50	<0.13	<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	<0.50	<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	<0.60	<0.50	<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	<0.60	<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	<0.70	<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
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	<0.23	<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	**0.53**	<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	<0.50	<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	<0.4	<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	<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
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
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**
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**

Prepared By: T. Dushek, 9/28/16

Checked by: A.Voit, 10/26/16

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 limts.

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
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**
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
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**
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**
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**
Xylenes, Total	**1000**											**0.62**	**5.9**	**8.3**	**47.3**	**46.3**	**108**	**93**	**74**		**23**	**18**	**11**	**26**

Prepared By: T. Dushek, 9/28/16

Checked by: A.Voit, 10/26/16

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 limts.

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

Parameter	07/15/10	07/25/11	07/19/12	07/08/13	07/08/14	07/09/15	07/12/16
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**
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					
Isopropylbenzene	**49**	**50**					

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

Parameter	07/15/10	07/25/11	07/19/12	07/08/13	07/08/14	07/09/15	07/12/16
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**
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**
Xylene, o-	**460**	**450**		**680**	**440**	**380**	**450**
Xylenes, Total	**620**	**620**		**810**	**440**	**446**	**570**

Prepared By: T. Dushek, 9/28/16
Checked by: A.Voit, 10/26/16
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 limts.
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	<3	<4	<2.0	<2.0	<4.5
1,1,1-Trichloroethane	<50	<50	<5	<1	<100	<1	<1	<20	<10	<0.3	<0.3	<3	<3	<2.0	<1.5	<2.5
1,1,2,2-Tetrachloroethane	<50	<50	<5	<1	<100	<1	<1	<20	<10	<0.2	<0.2	<2	<4	<2.0	<2.0	<4.0
1,1,2-Trichloroethane	<50	<50	<5	<1	<100	<1	<1	<20	<10	<1	<0.2	<2	<2	<1.0	<1.0	<4.5
1,1-Dichloroethane	<50	<50	<5	<1	<100	<1	<1	<20	<10	<0.2	<0.2	<2	<4	<1.0	<2.0	<2.5
1,1-Dichloroethene	<50	<50	<5	<1	<100	<1	<1	<20	<10	<0.4	<0.2	<2	<9	<2.0	<4.5	<2.0
1,1-Dichloropropene				<1		<1	<1		<10	<0.2	<0.3	<3	<4	<2.0	<2.0	<2.5
1,2,3-Trichlorobenzene				<1	<100	<1	<1		<10	<0.5	<0.4	<4	<5	<3.0	<2.5	<2.5
1,2,3-Trichloropropane				<1		<1	<1		<10	<0.3	<0.2	<2	<3	<1.0	<1.5	<4.0
1,2,4-Trichlorobenzene				<1	<100	<1	<1		<10	<0.5	<0.3	<3	<5	<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	<3	<3	<4.0	<1.5	<2.0
1,2-Dibromoethane				<2	<200	<2	<2		<20	<0.2	<0.4	<4	<3	<1.0	<1.5	<1.5
1,2-Dichlorobenzene				<1	<100	<1	<1	<20	<10	<0.3	<0.3	<3	<3	<2.0	<1.5	<3.5
1,2-Dichloroethane	<50	<50	<5	<1	<100	<1	<1	<20	<10	<0.2	<0.2	<2	<4	<2.0	<2.0	<4.5
cis-1,2-Dichloroethene				<1	<100	<1	<1	<20	<10	<0.2	<0.2	<2	<4	<2.0	<2.0	<2.5
trans-1,2-Dichloroethene	<50	<50	<5	<1	<100	<1	<1	<20	<10	<0.2	<0.3	<3	<8	<1.0	<4.0	<2.0
1,2-Dichloropropane	<50	<50	<5	<1	<100	<1	<1	<20	<10	<0.1	<0.2	<2	<3	<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	<4	<4	<1.0	<2.0	<2.5
cis-1,3-Dichloropropene	<50	<50	<5	<1		<1	<1	<20	<10	<0.3	<0.3	<3	<2	<1.0	<1.0	<3.0
1,3-Dichloropropane				<1	<100	<1	<1		<10	<0.3	<0.6	<6	<4	<1.0	<2.0	<6.0
trans-1,3-Dichloropropene	<50	<50	<5	<1		<1	<1	<20	<10	<0.2	<0.2	<2	<5	<1.0	<2.5	<3.5
1,4-Dichlorobenzene				<1	<100	<1	<1	<20	<10	<0.3	<0.3	<3	<4	<1.0	<2.0	<2.5
2,2-Dichloropropane				<1	<100	<1	<1		<10	<0.2	<0.5	<5	<2	<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	<3	<4	<1.0	<2.0	<3.0
2-Hexanone	<100	<100	<10													
4-Chlorotoluene				<1	<100	<1	<1		<10	<0.3	<0.3	<3	<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	<3	<1	<1.0	<0.5	<2.0
Bromobenzene				<1	<100	<1	<1		<10	<0.3	<0.2	<2	<5	<1.0	<2.5	<2.5
Bromochloromethane				<1		<1	<1		<10	<0.4	<0.2	<2	<4	<1.0	<2.0	<2.5
Bromodichloromethane	<50	<50	<5	<1	<100	<1	<1	<20	<10	<0.2	<0.2	<2	<2	<1.0	<1.0	<2.0
Bromoform	<50	<50	<5	<1		<1	<1	<20	<10	<0.3	<0.2	<2	<1	<2.0	<0.5	<3.0
Bromomethane	<100	<100	<10	<2		<2	<2	<40	<20	<0.3	<0.9	<9	<4	<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**	<3	<1	**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	<4	<3	<1.0	<1.5	<3.0
Chlorobenzene	<50	<50	<5	<1	<100	<1	<1	<20	<10	<0.3	<0.3	<3	<3	<1.0	<1.5	<4.0
Chlorodibromomethane	<50	<50	<5	<1	<100	<1	<1	<20	<10	<0.3	<0.3	<3	<4	<2.0	<2.0	<2.0
Chloroethane	<100	<100	<10	<2	<200	<2	<2	<40	<20	<0.4	<0.8	<8	<5	<4.0	<2.5	<2.5
Chloroform	<50	<50	<5	<1	<100	<1	**2.8**	<20	<10	<0.2	<0.2	<2	<5	<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	<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	<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
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**
1,2-Dibromo-3-chloropropane	<2.0	<0.40	<2.0	<22.	<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
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**
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**
Xylene, o-	<2.5	<0.50	<2.5	**15**	**18 ***	**19**	**12**	**17**	**14**	**31**		**57**	**96**	**89**	**110**
Xylenes, Total				**15**	**18 ***	**23.1**	**12**	**19.3**	**16.1**	**34.6**		**62.1**	**102.8**	**97.1**	**126**

Prepared By: T. Dushek, 9/28/16

Checked by: A. Voit, 10/26/16

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 limts.

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

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 limts.

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
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
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 - W71

Parameter	07/01/16
p-Isopropyltoluene	
Methyl tert-butyl ether	
Methylene chloride	
Naphthalene	<0.90
n-Propylbenzene	
Styrene	
Tetrachloroethene	
Tetrahydrofuran	
Toluene	
Trichloroethene	
Trichlorofluoromethane	
Vinyl acetate	
Vinyl chloride	
Xylene, m & p-	<0.80
Xylene, o-	<0.40
Xylenes, Total	<1.2

Prepared By: T. Dushek, 9/28/16
Checked by: A.Voit, 10/26/16
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 limts.
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
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
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 - W72

Parameter	07/01/16
p-Isopropyltoluene	
Methyl tert-butyl ether	
Methylene chloride	
Naphthalene	<0.90
n-Propylbenzene	
Styrene	
Tetrachloroethene	
Tetrahydrofuran	
Toluene	
Trichloroethene	
Trichlorofluoromethane	
Vinyl acetate	
Vinyl chloride	
Xylene, m & p-	<0.80
Xylene, o-	<0.40
Xylenes, Total	<1.2

Prepared By: T. Dushek, 9/28/16
Checked by: A.Voit, 10/26/16
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 limts.
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
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
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 - W73

Parameter	07/01/16
p-Isopropyltoluene	
Methyl tert-butyl ether	
Methylene chloride	
Naphthalene	<0.90
n-Propylbenzene	
Styrene	
Tetrachloroethene	
Tetrahydrofuran	
Toluene	
Trichloroethene	
Trichlorofluoromethane	
Vinyl acetate	
Vinyl chloride	
Xylene, m & p-	<0.80
Xylene, o-	<0.40
Xylenes, Total	<1.2

Prepared By: T. Dushek, 9/28/16
Checked by: A.Voit, 10/26/16
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 limts.
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
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
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 - W74

Parameter	07/01/16
p-Isopropyltoluene	
Methyl tert-butyl ether	
Methylene chloride	
Naphthalene	<0.90
n-Propylbenzene	
Styrene	
Tetrachloroethene	
Tetrahydrofuran	
Toluene	
Trichloroethene	
Trichlorofluoromethane	
Vinyl acetate	
Vinyl chloride	
Xylene, m & p-	<0.80
Xylene, o-	<0.40
Xylenes, Total	<1.2

Prepared By: T. Dushek, 9/28/16
Checked by: A.Voit, 10/26/16
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 limts.
J = Estimated Value
Q = Lab Control Sample outside acceptance limits
***** = Suspected methylene chloride laboratory contamination.

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

Parameter	07/11/16
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**
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

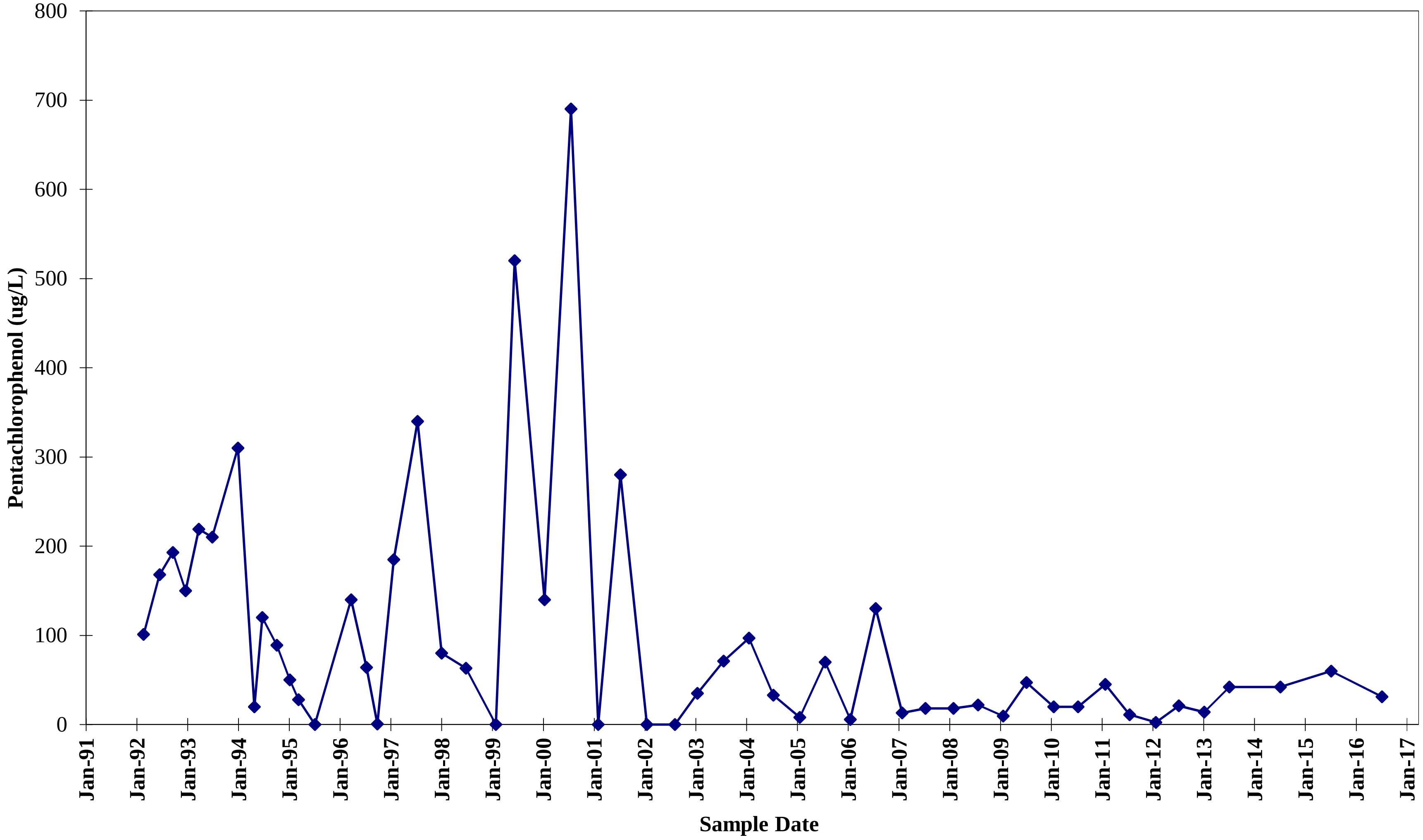
Parameter	07/11/16
p-Isopropyltoluene	
Methyl tert-butyl ether	
Methylene chloride	
Naphthalene	**3.3**
n-Propylbenzene	
Styrene	
Tetrachloroethene	
Tetrahydrofuran	
Toluene	
Trichloroethene	
Trichlorofluoromethane	
Vinyl acetate	
Vinyl chloride	
Xylene, m & p-	<0.80
Xylene, o-	**0.53**
Xylenes, Total	**0.53**

Prepared By: T. Dushek, 9/28/16
Checked by: A.Voit, 10/26/16
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 limts.
J = Estimated Value
Q = Lab Control Sample outside acceptance limits
***** = Suspected methylene chloride laboratory contamination.

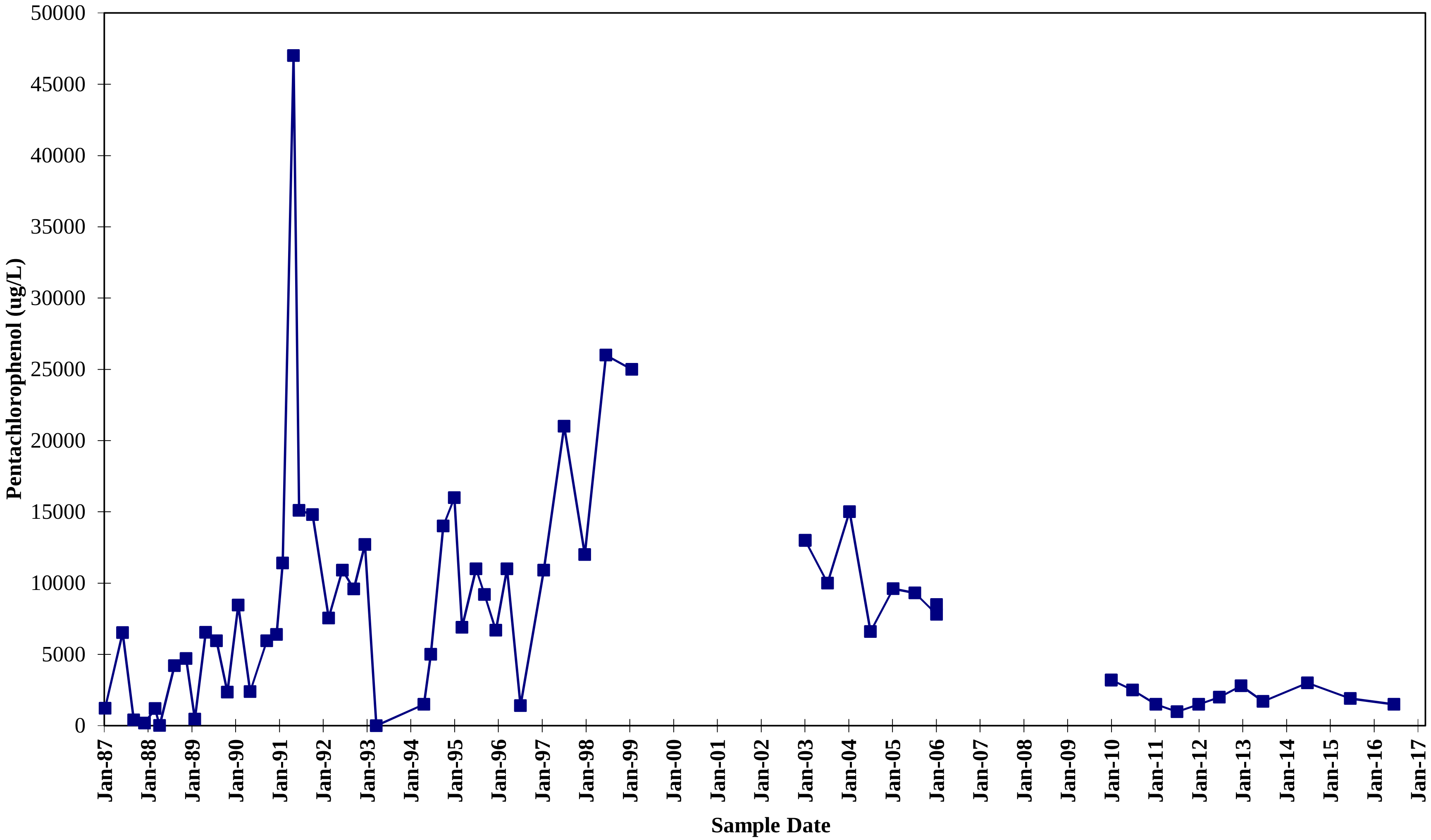
APPENDIX D

HISTORICAL PCP ANALYSIS RESULTS

Pentachlorophenol Concentrations
Historical Groundwater Monitoring
Well W01A

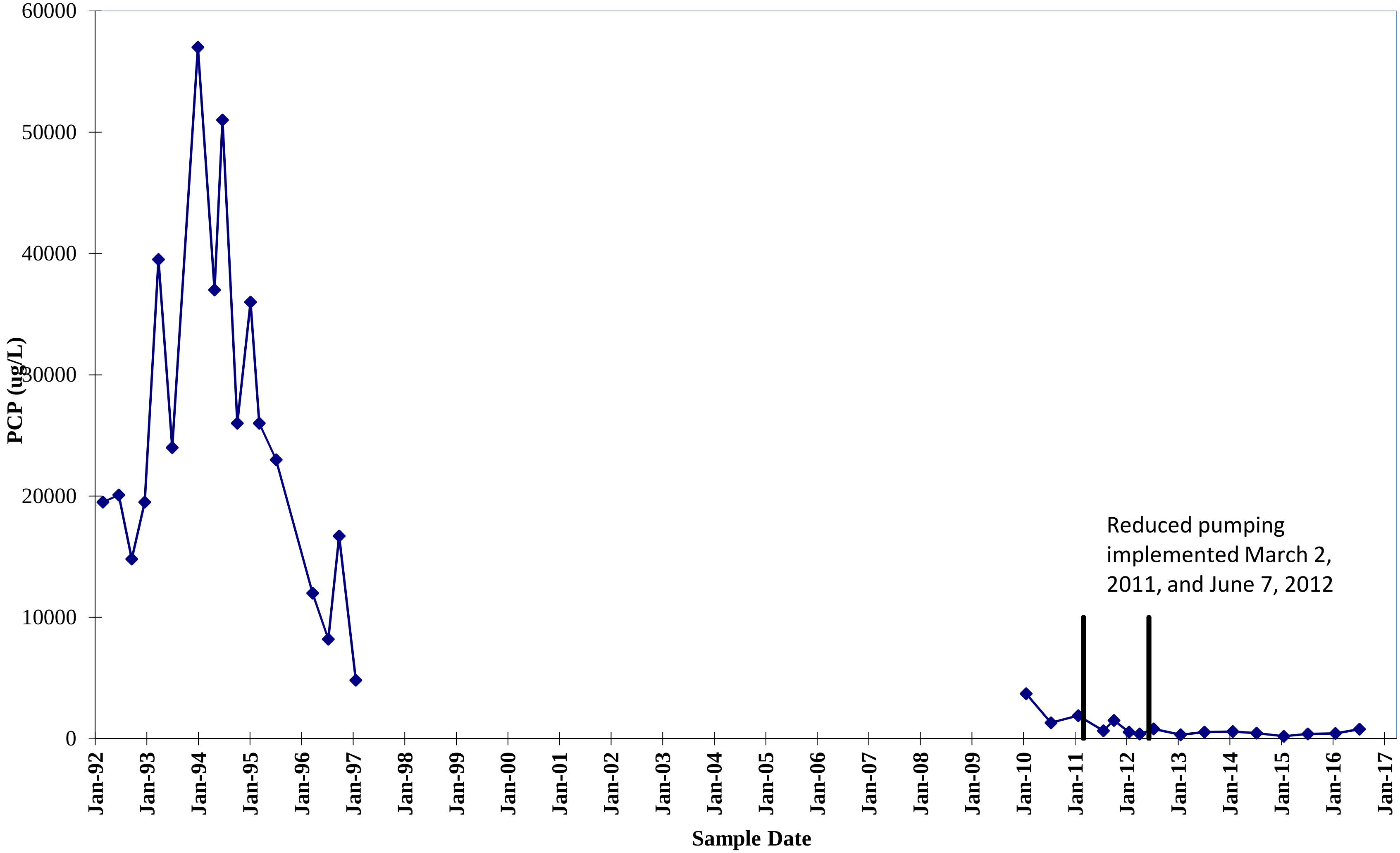


Pentachlorophenol Concentrations
Historical Groundwater Monitoring
Well W02



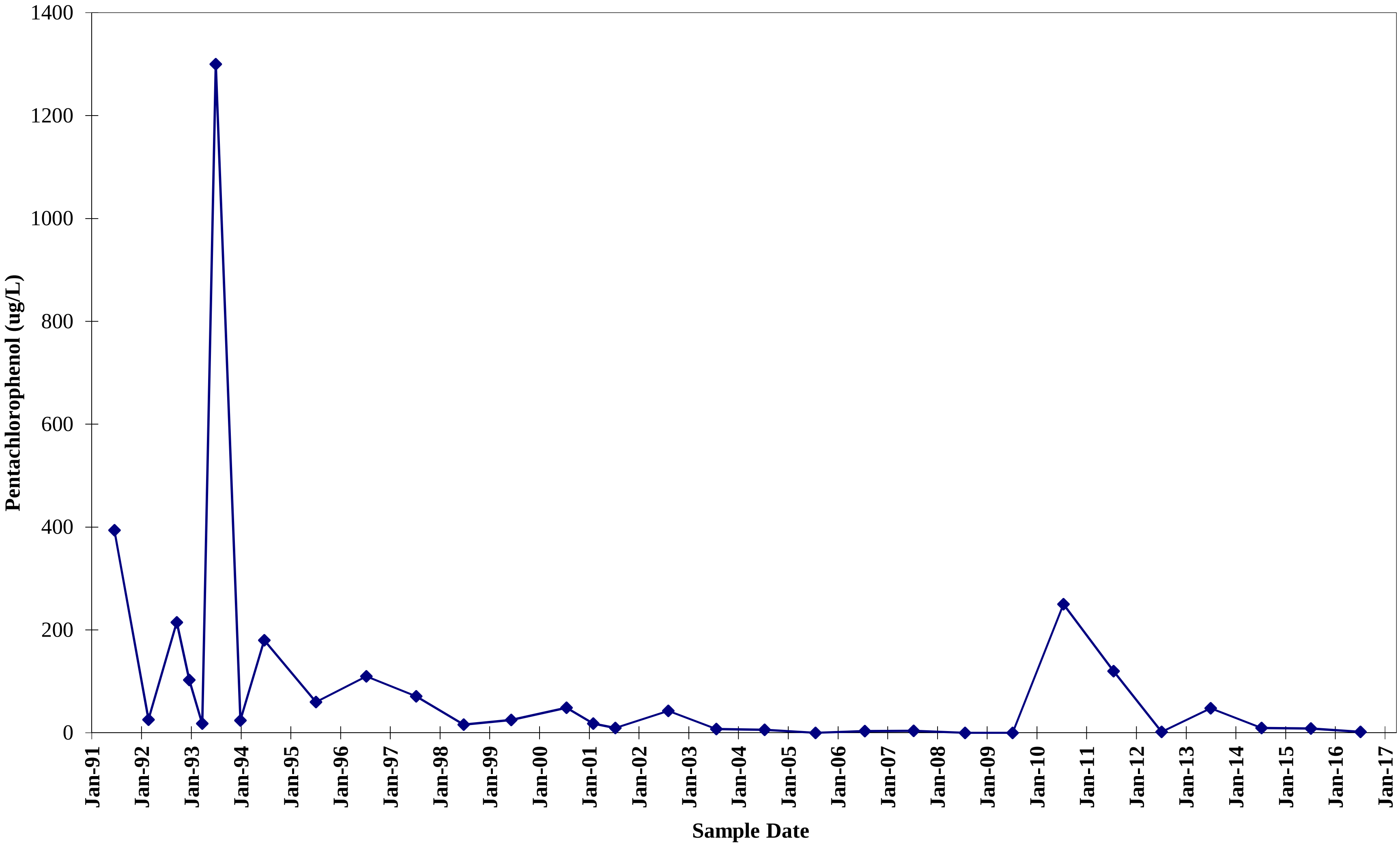
PCP data gap due to measurable product present in well.

Pentachlorophenol Concentrations
Historical Groundwater Monitoring
Well W03A

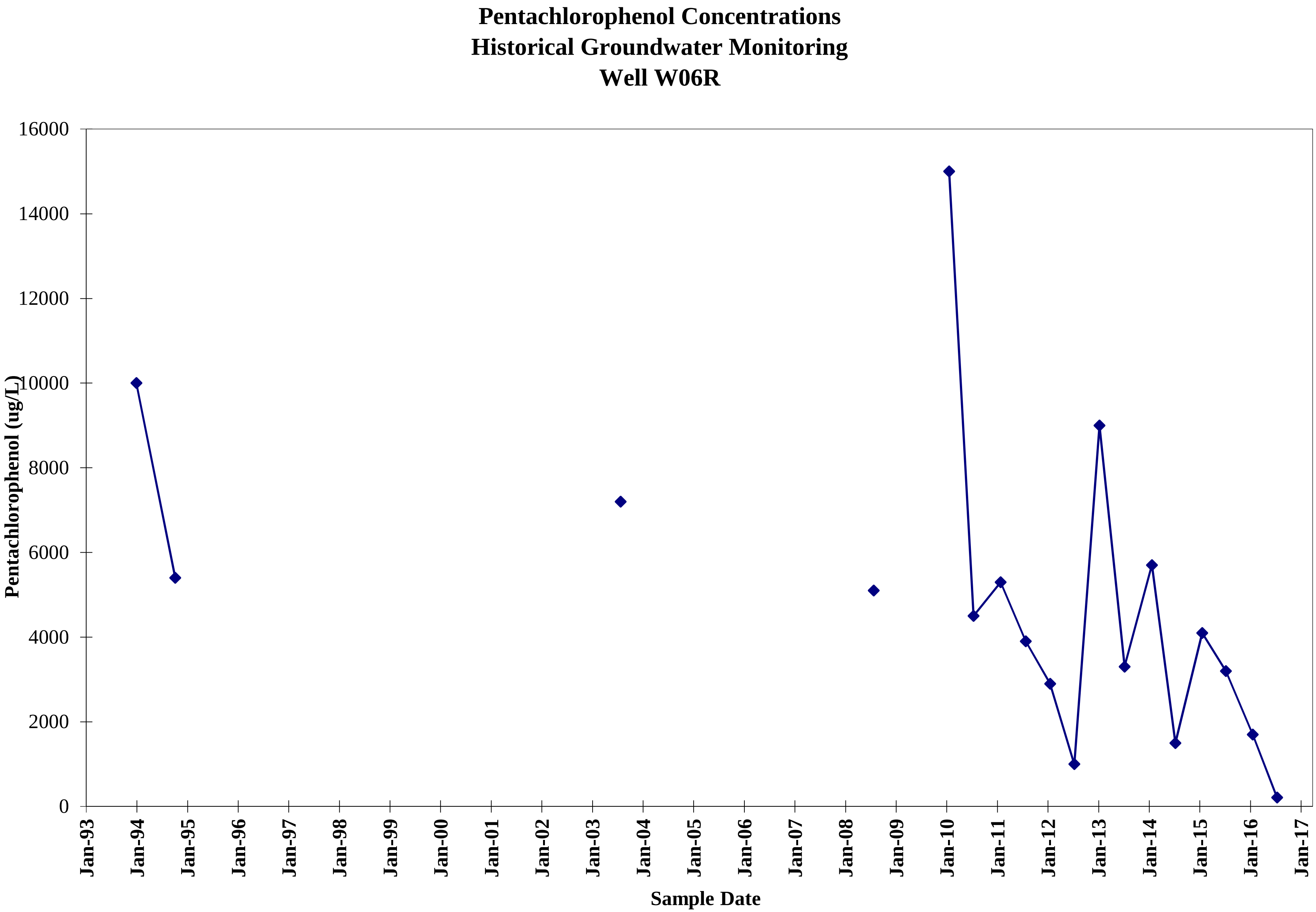


PCP data gap due to measurable product present in well.

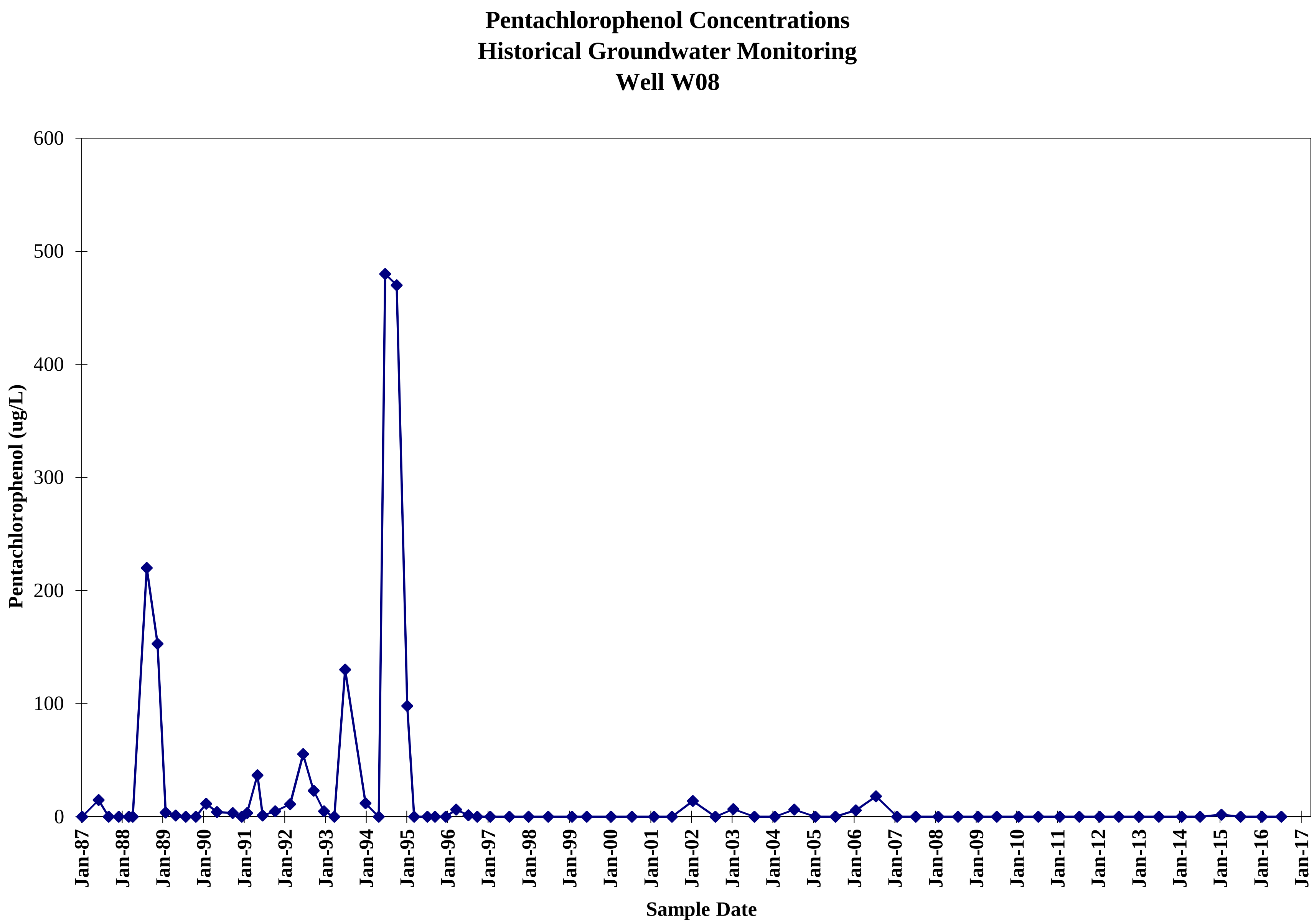
Pentachlorophenol Concentrations
Historical Groundwater Monitoring
Well W03B

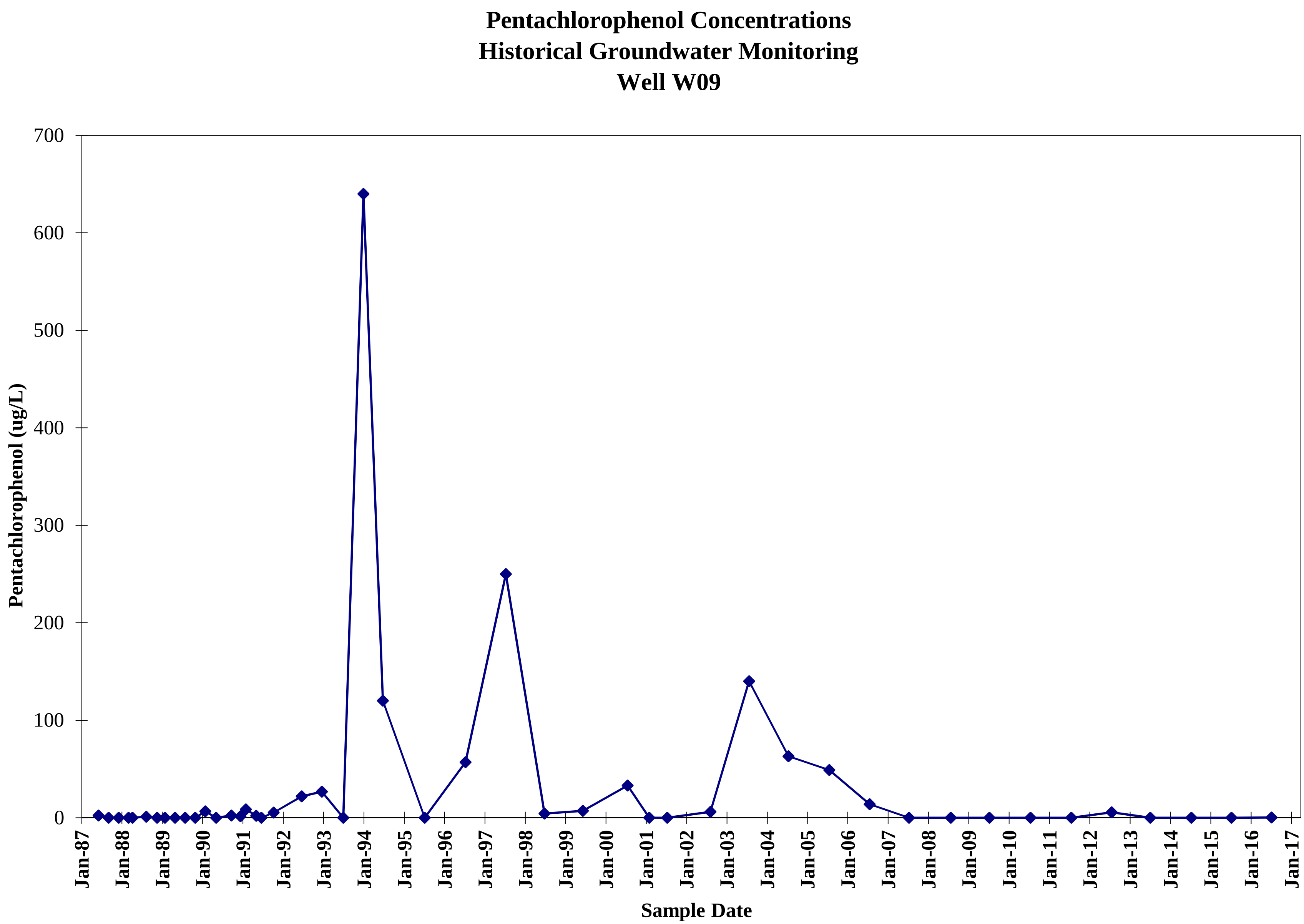


\\ntapb-madison\msn-vol6\-\WPMSN\PJT2\189597\2016 Table for April 2017 Report\Pentachlor2016.xls 11/28/2016

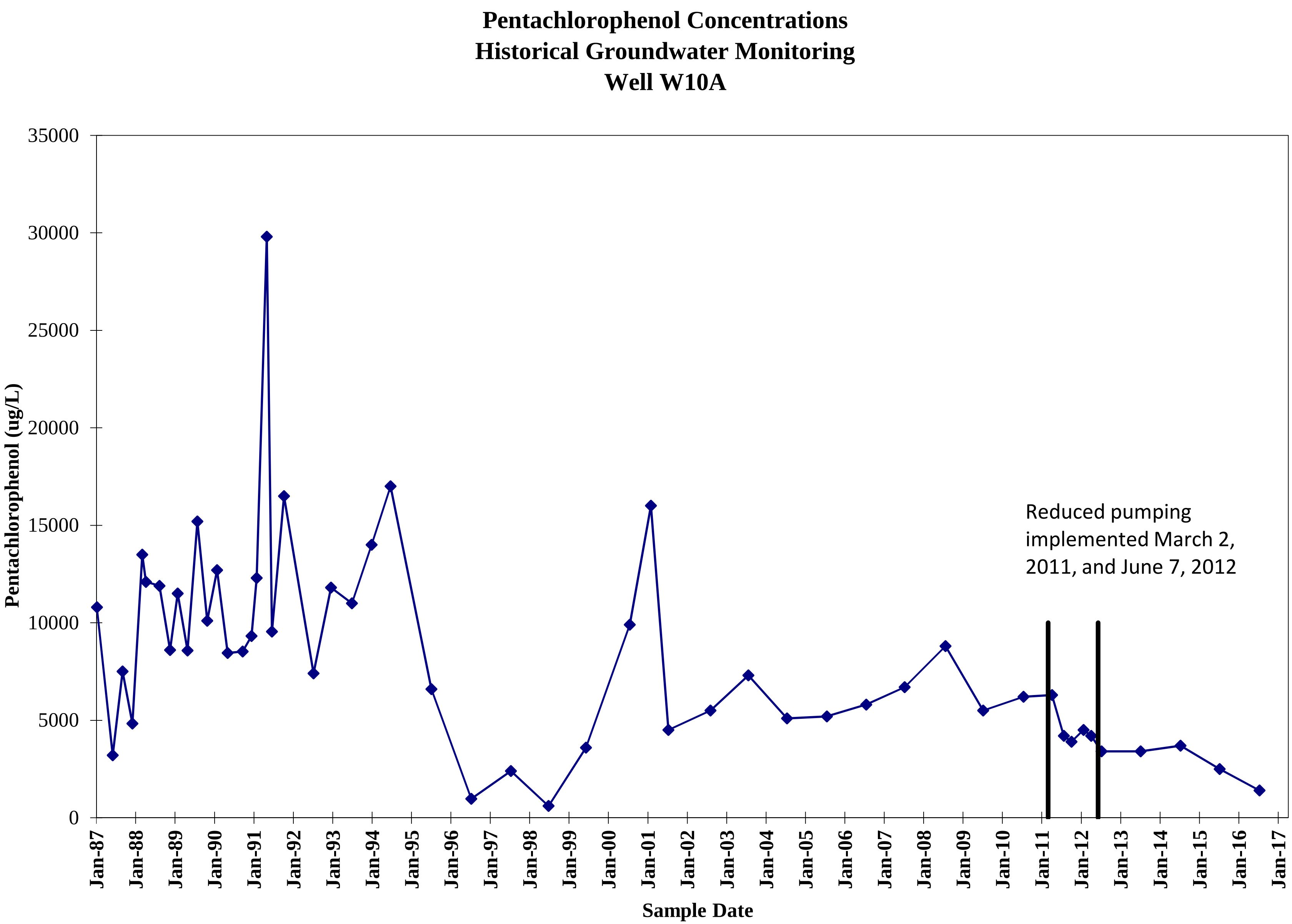


PCP data gap due to measurable product present in well.


Pentachlorophenol Concentrations
Historical Groundwater Monitoring
Well W08
Pentachlorophenol (ug/L)
600
500
400
300
200
100
0
Jan-87
Jan-88
Jan-89
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15
Jan-16
Jan-17
Sample Date

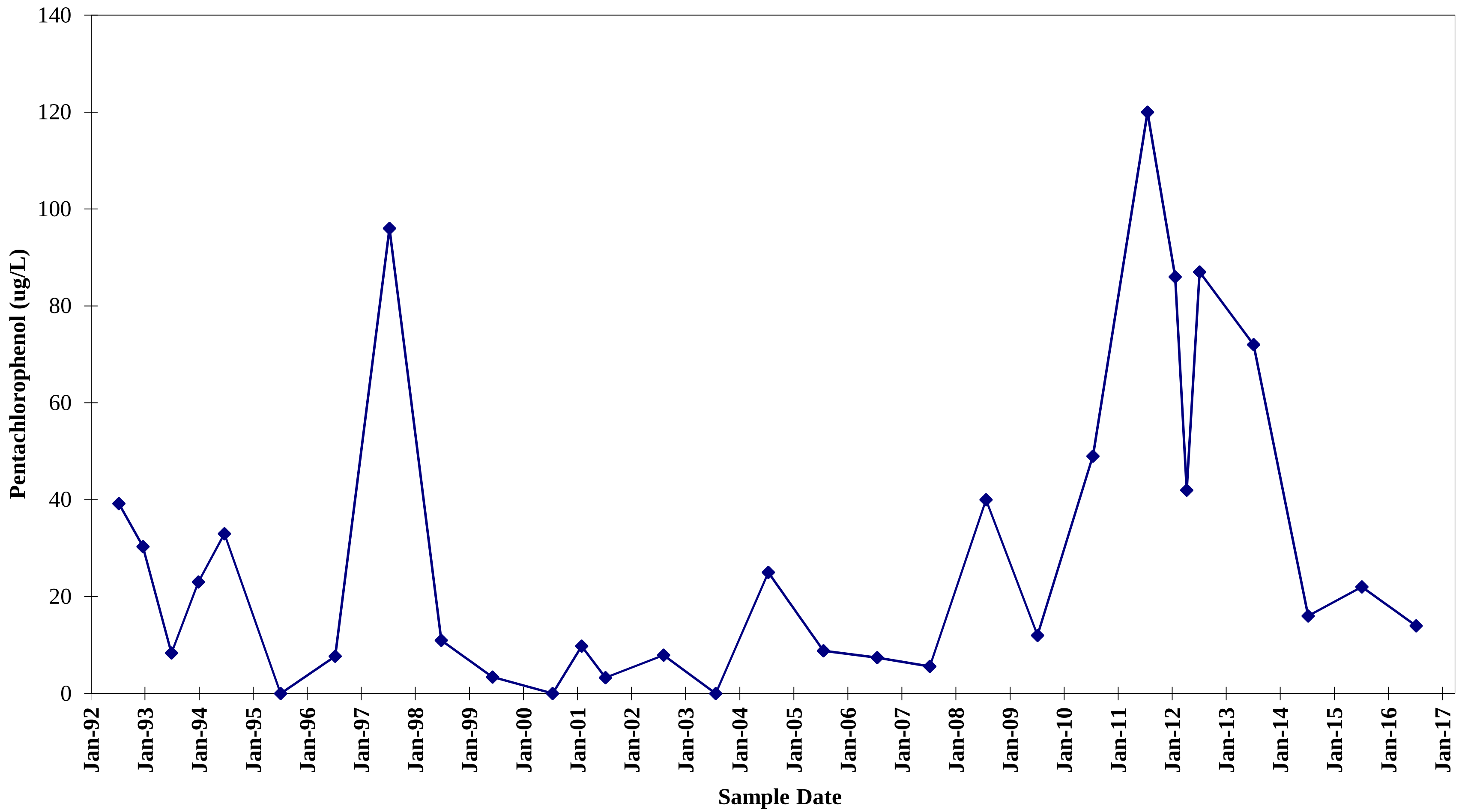


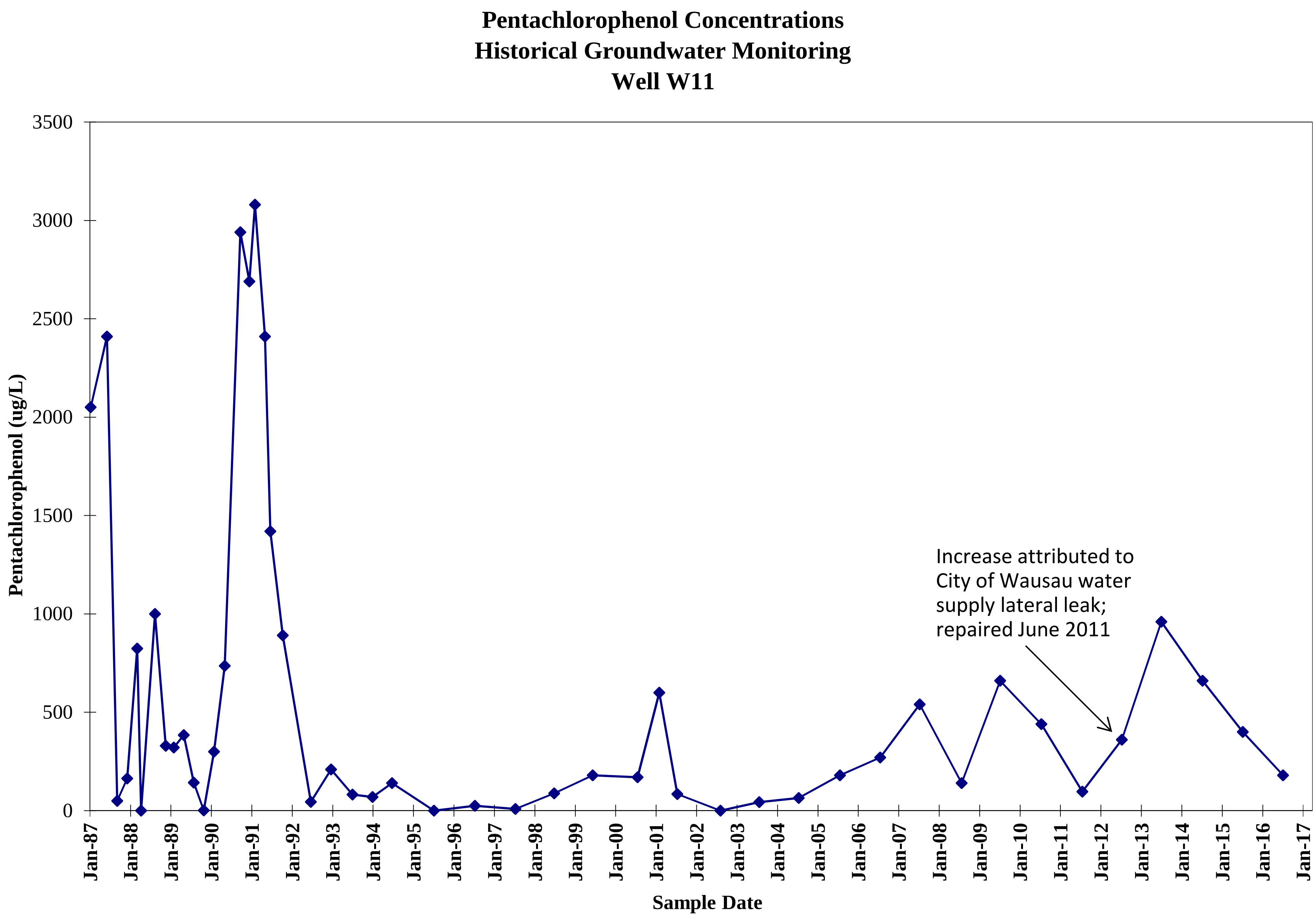
Pentachlorophenol Concentrations
Historical Groundwater Monitoring
Well W09
Pentachlorophenol (ug/L)
0
100
200
300
400
500
600
700
Jan-87
Jan-88
Jan-89
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15
Jan-16
Jan-17
Sample Date



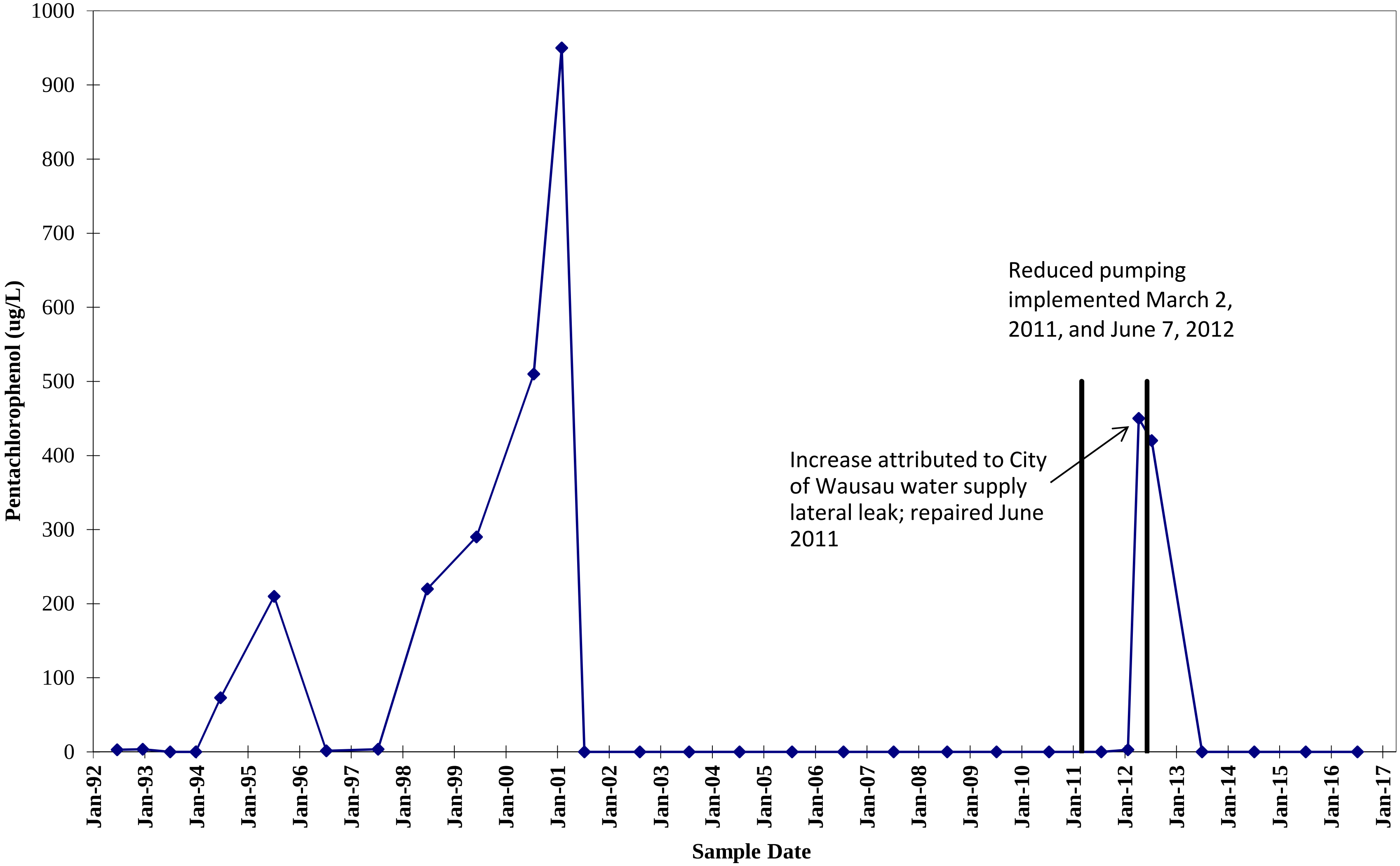
\\ntapb-madison\msn-vol6\-\WPMSN\PJT2\189597\2016 Table for April 2017 Report\Pentachlor2016.xls 11/28/2016

Pentachlorophenol Concentrations
Historical Groundwater Monitoring
Well W10B




Pentachlorophenol Concentrations
Historical Groundwater Monitoring
Well W11
Pentachlorophenol (ug/L)
3500
3000
2500
2000
1500
1000
500
0
Jan-87
Jan-88
Jan-89
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15
Jan-16
Jan-17
Sample Date
Increase attributed to City of Wausau water supply lateral leak; repaired June 2011

Pentachlorophenol Concentrations
Historical Groundwater Monitoring
Well W12



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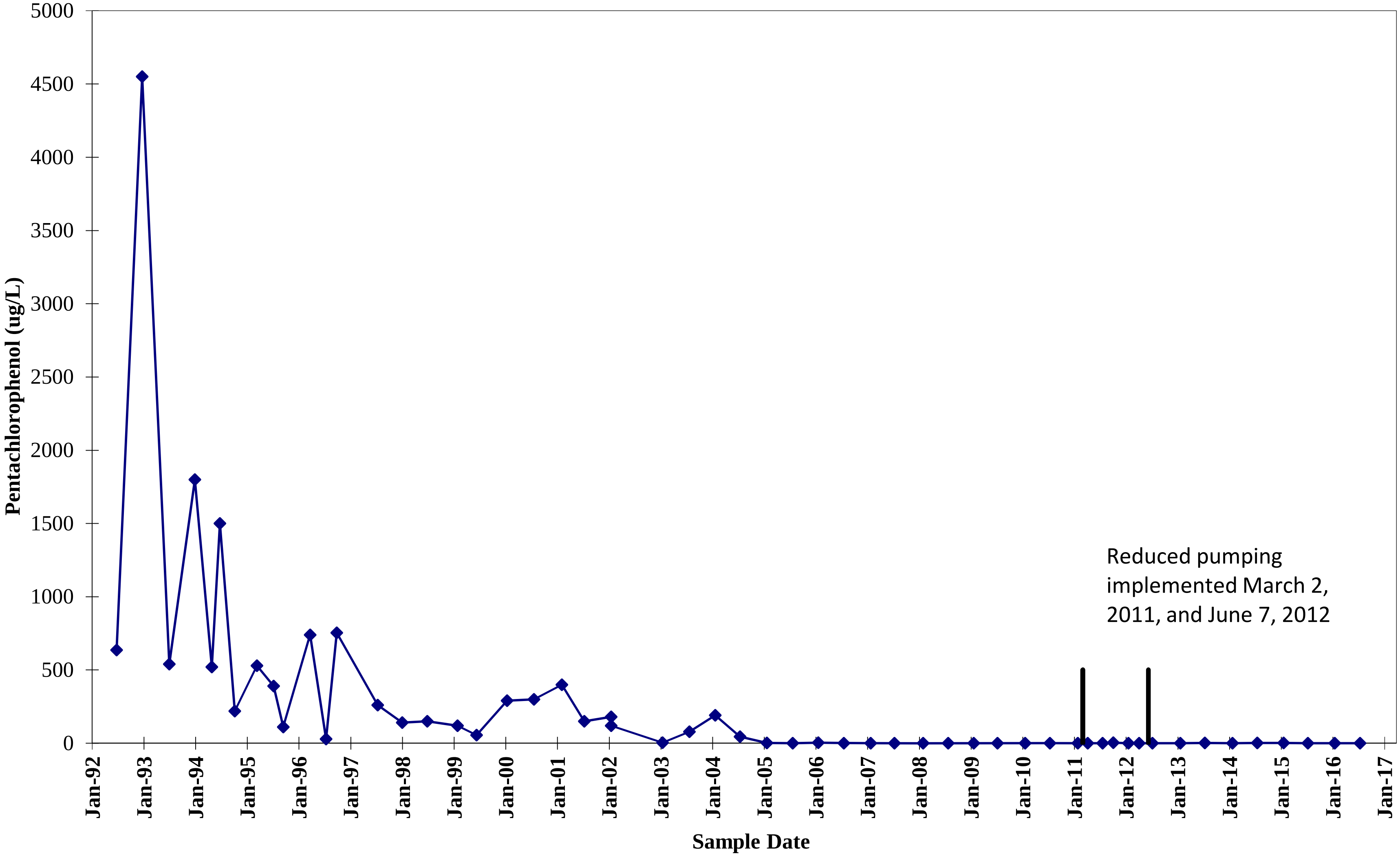
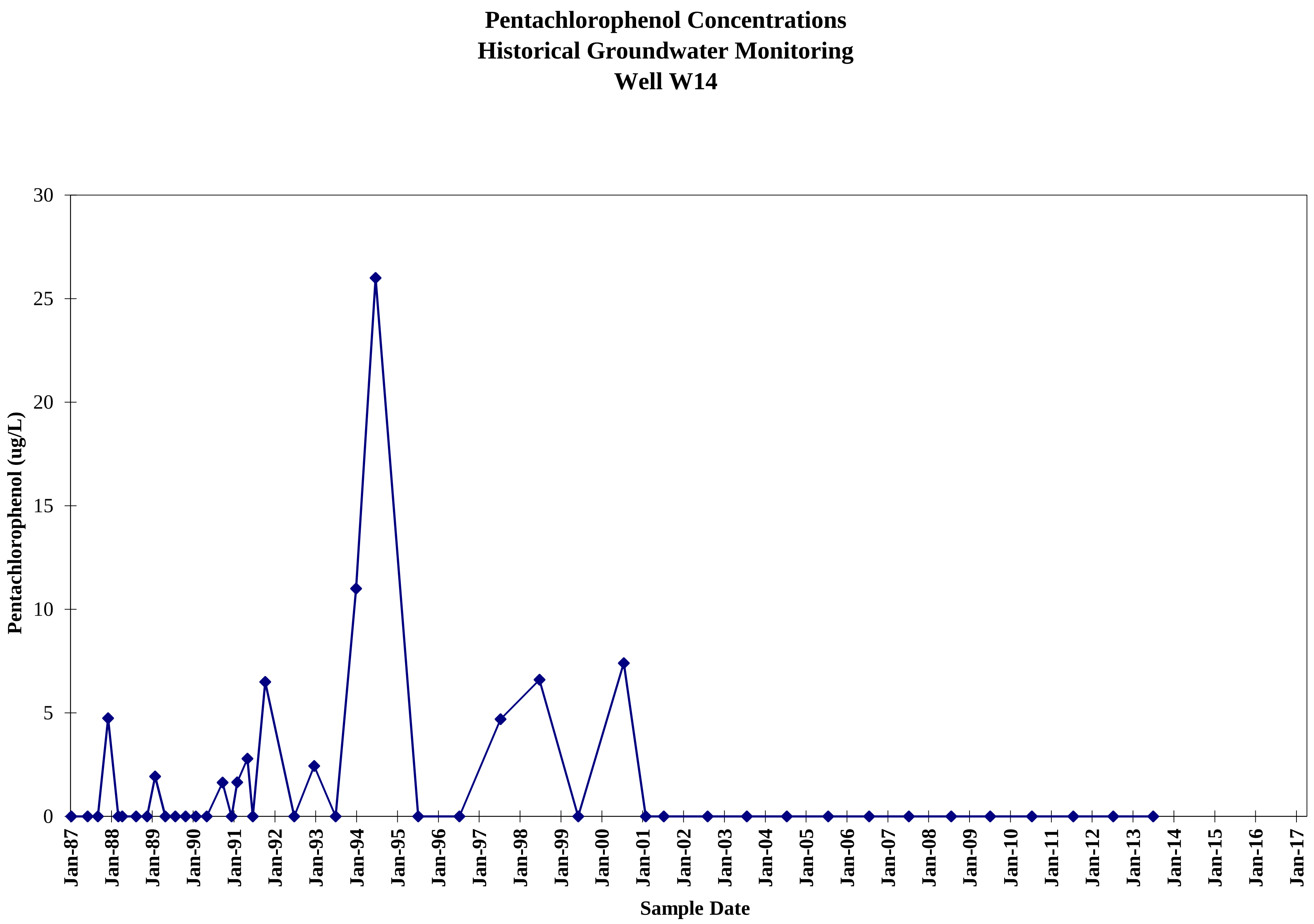
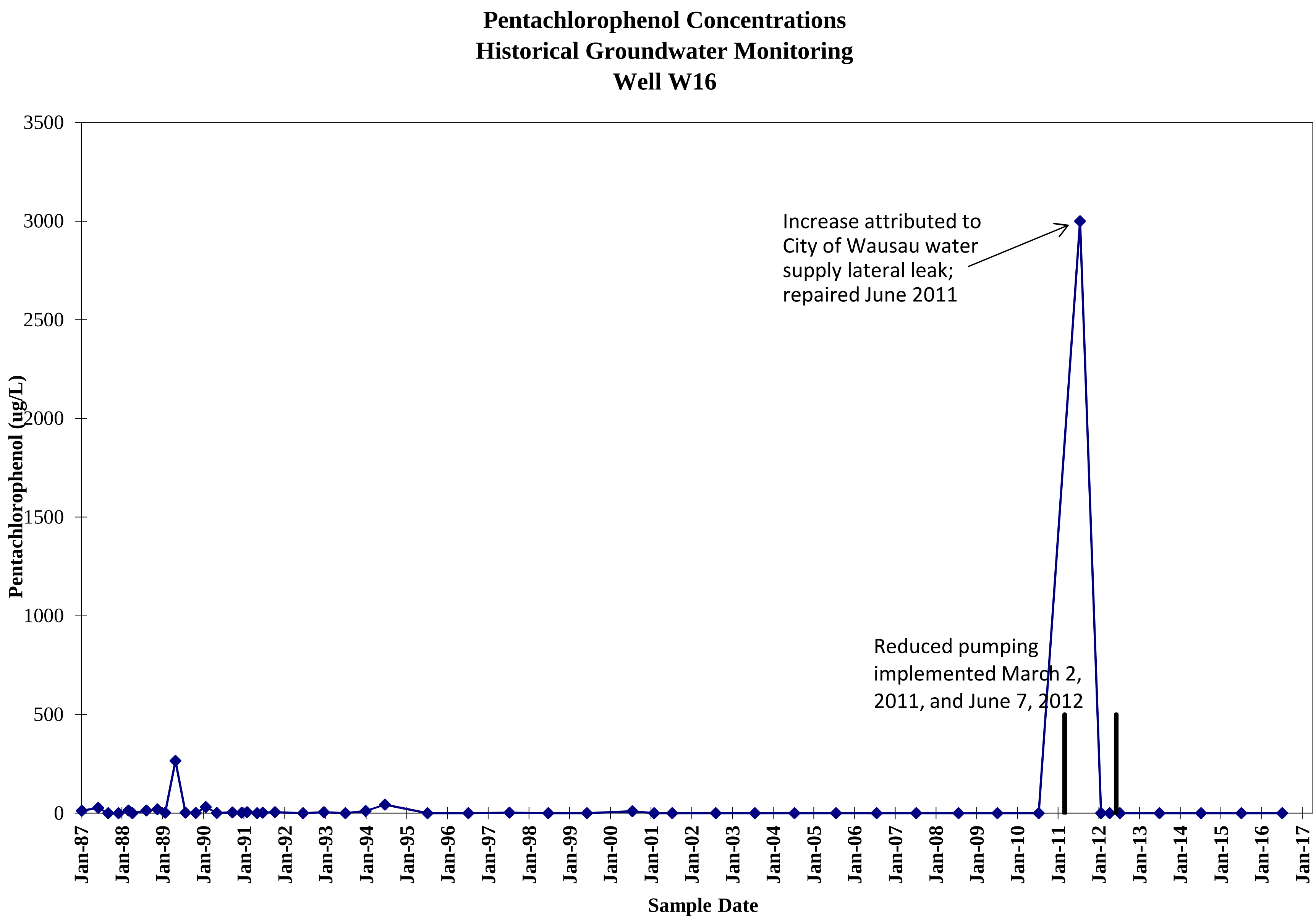
Pentachlorophenol Concentrations
Historical Groundwater Monitoring
Well W13



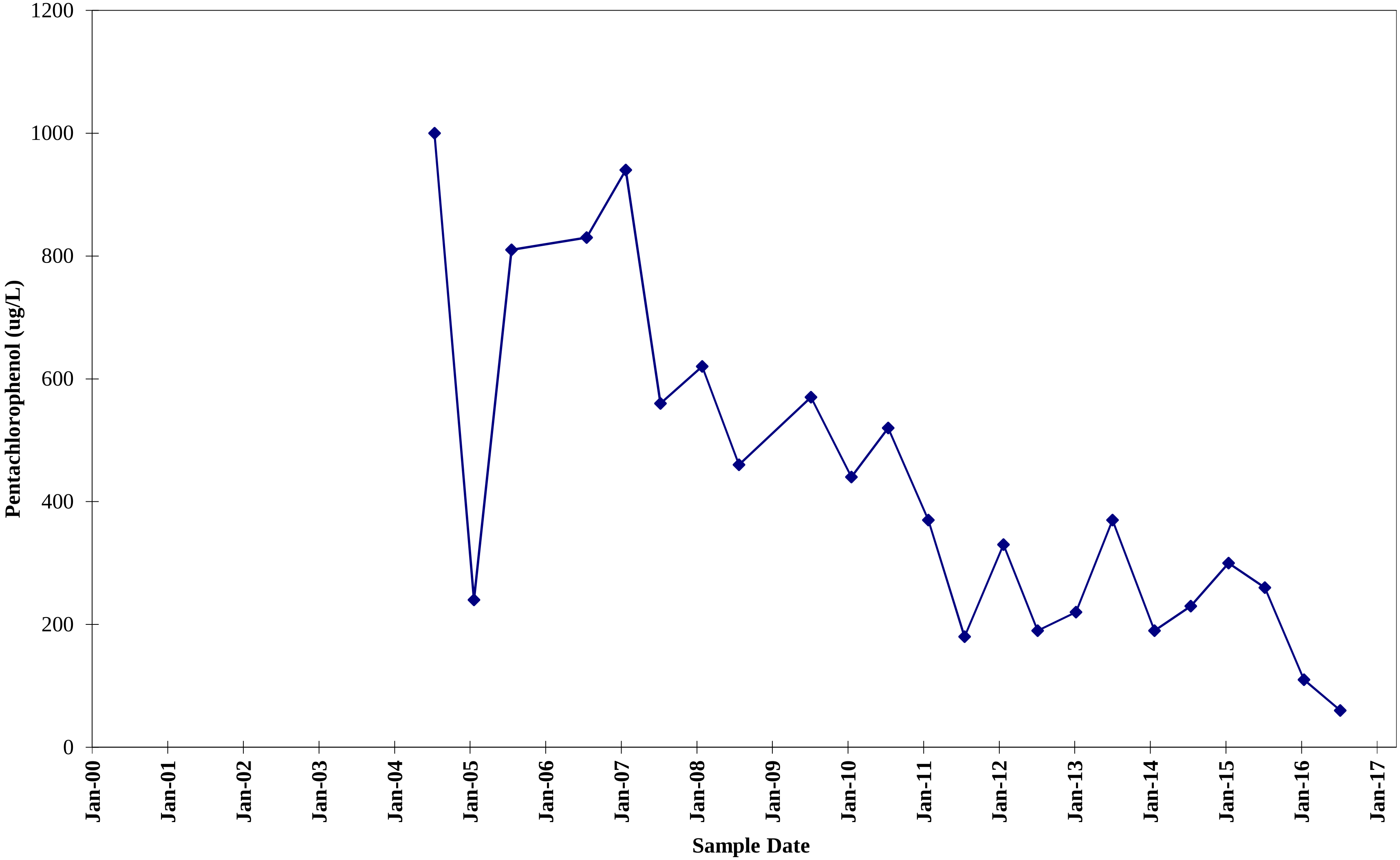
\\ntapb-madison\msn-vol6\-\WPMSN\PJT2\189597\2016 Table for April 2017 Report\Pentachlor2016.xls 11/28/2016


Pentachlorophenol Concentrations
Historical Groundwater Monitoring
Well W14
Pentachlorophenol (ug/L)
0
5
10
15
20
25
30
Jan-87
Jan-88
Jan-89
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15
Jan-16
Jan-17
Sample Date



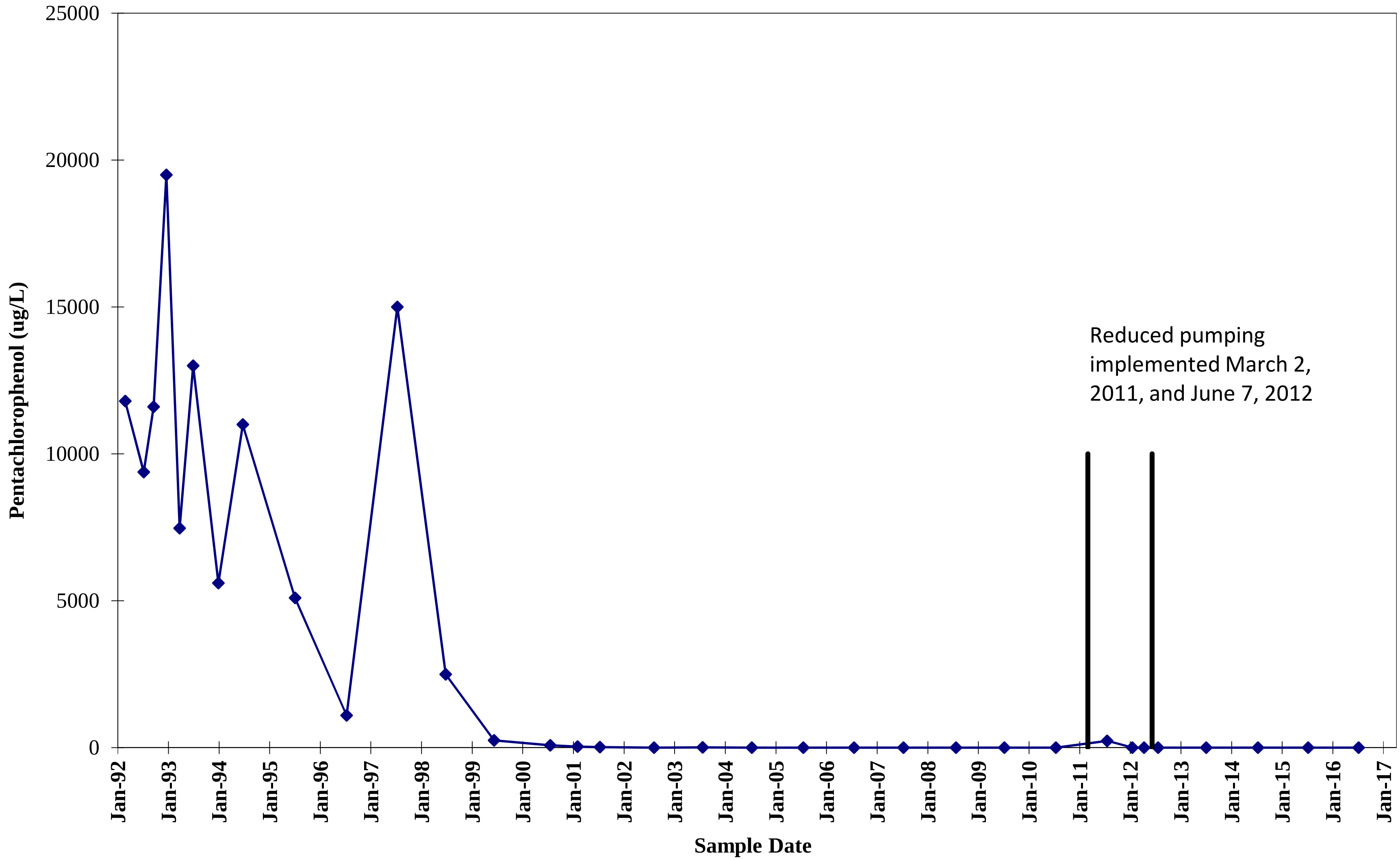
\\ntapb-madison\msn-vol6\-\WPMSN\PJT2\189597\2016 Table for April 2017 Report\Pentachlor2016.xls 11/28/2016

Pentachlorophenol Concentrations
Historical Groundwater Monitoring
Well W17



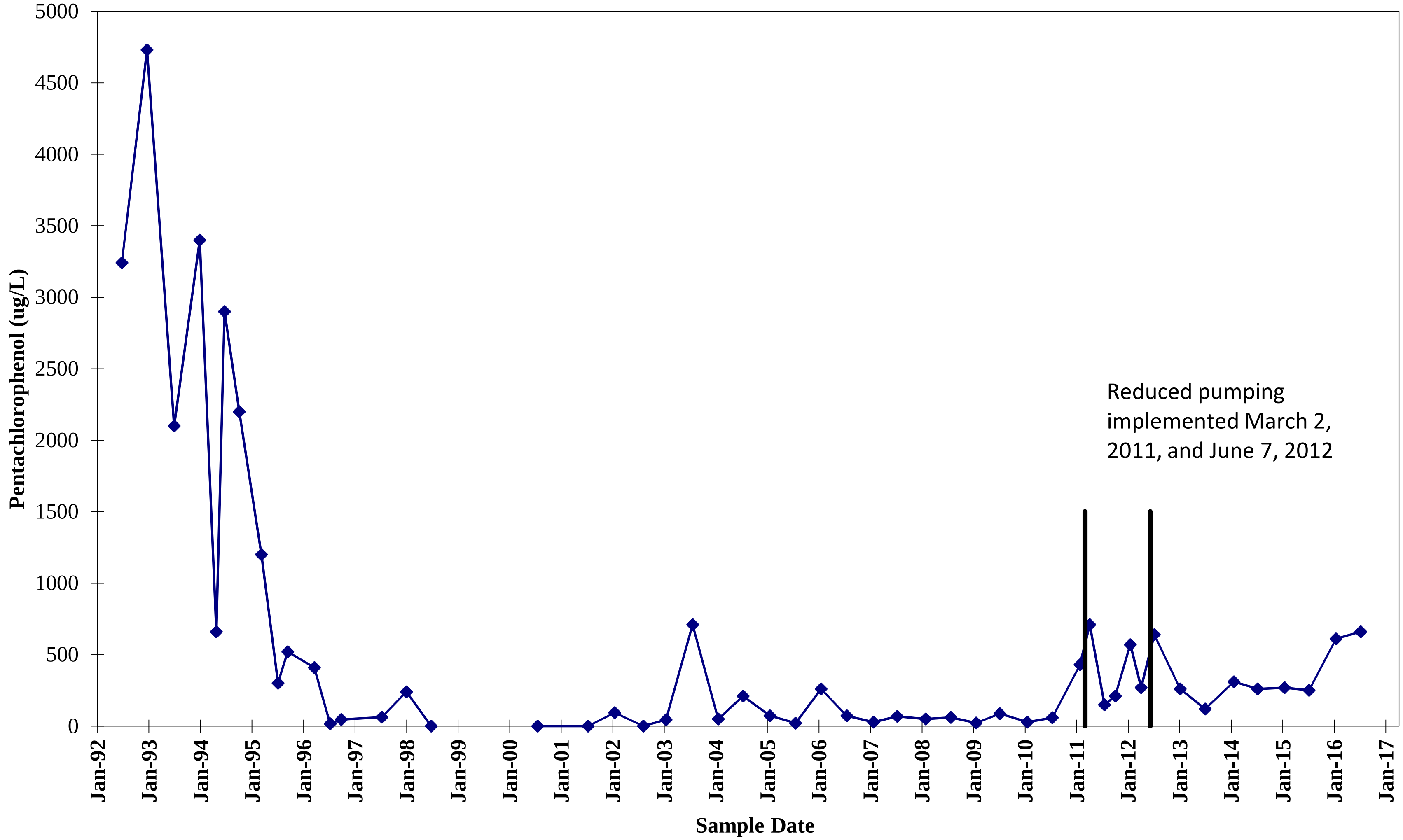
PCP data gap due to measurable product in well.

Pentachlorophenol Concentrations
Historical Groundwater Monitoring
Well W18

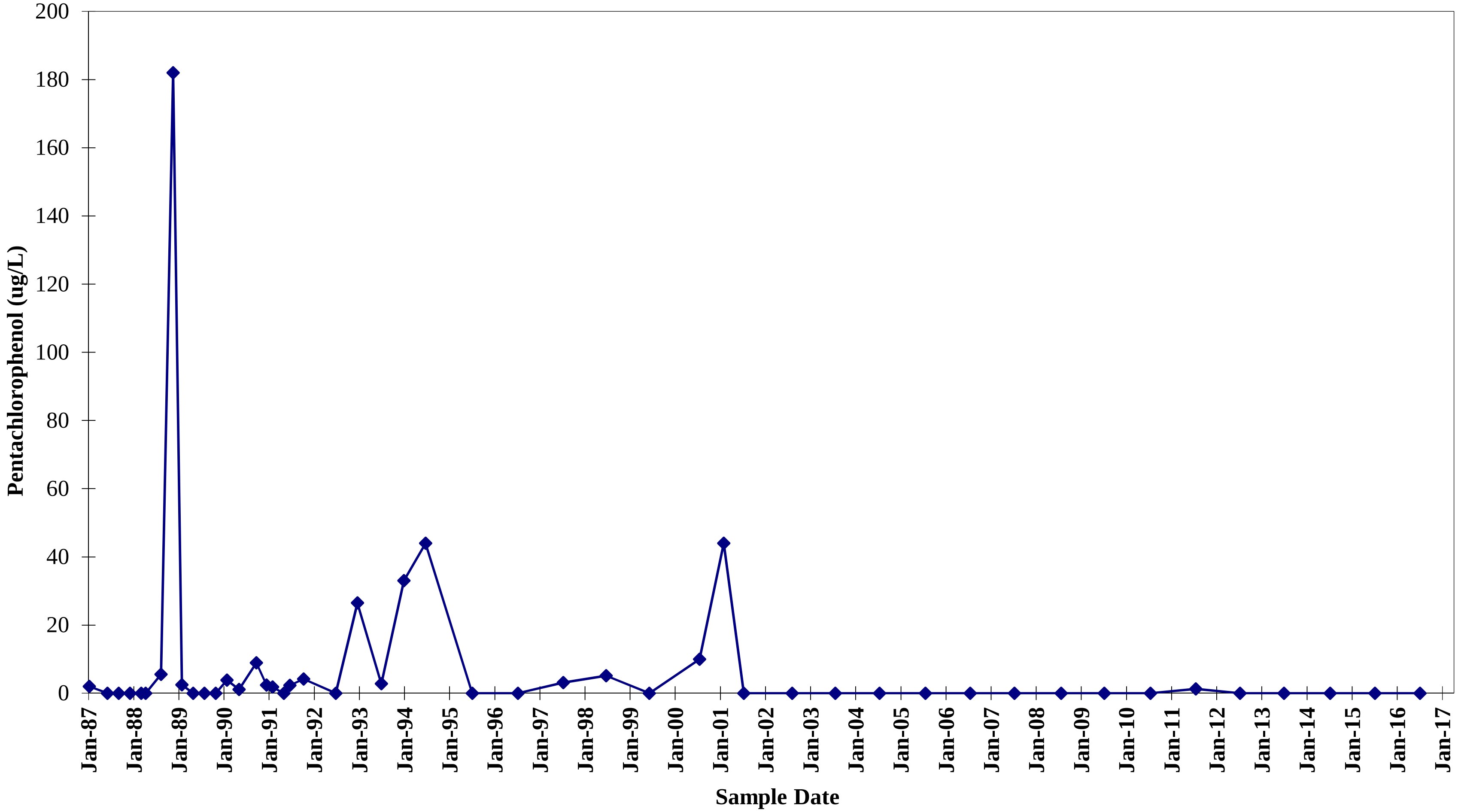


\\ntapb-madison\msn-vol6\-\WPMSN\PJT2\189597\2016 Table for April 2017 Report\Pentachlor2016.xls 11/28/2016

Pentachlorophenol Concentrations
Historical Groundwater Monitoring
Well W19

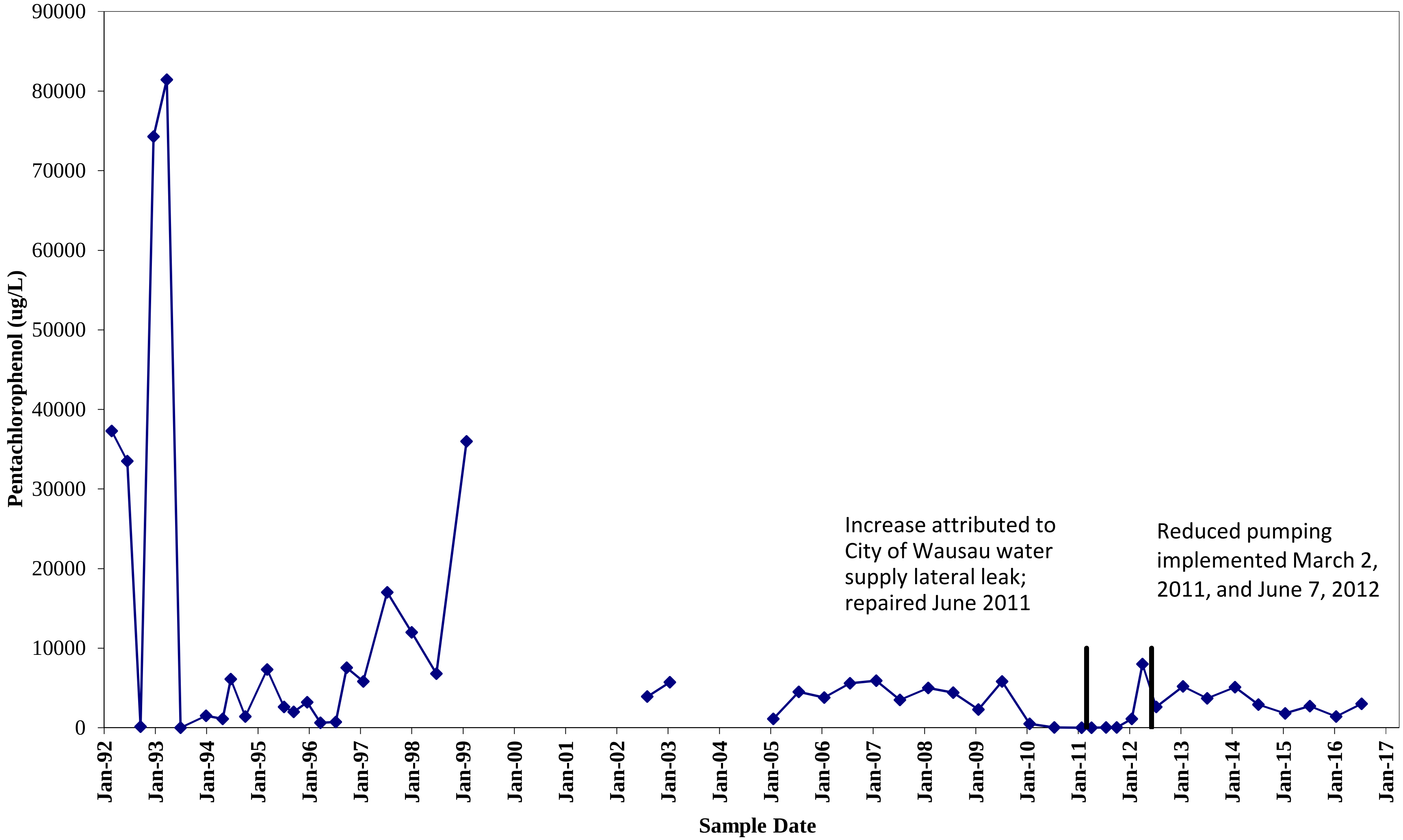


Pentachlorophenol Concentrations
Historical Groundwater Monitoring
Well W21



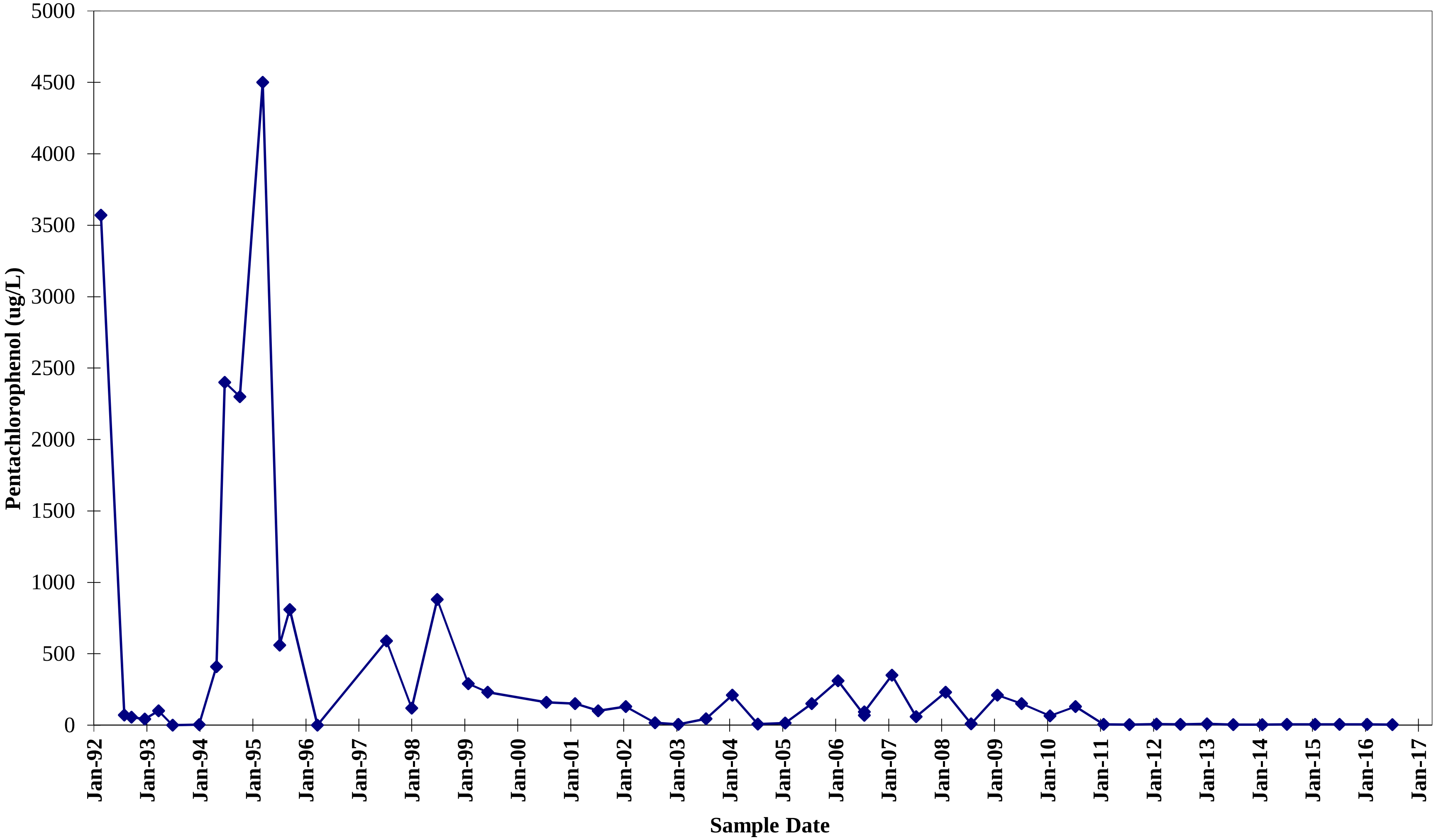
\\ntapb-madison\msn-vol6\-\WPMSN\PJT2\189597\2016 Table for April 2017 Report\Pentachlor2016.xls 11/28/2016

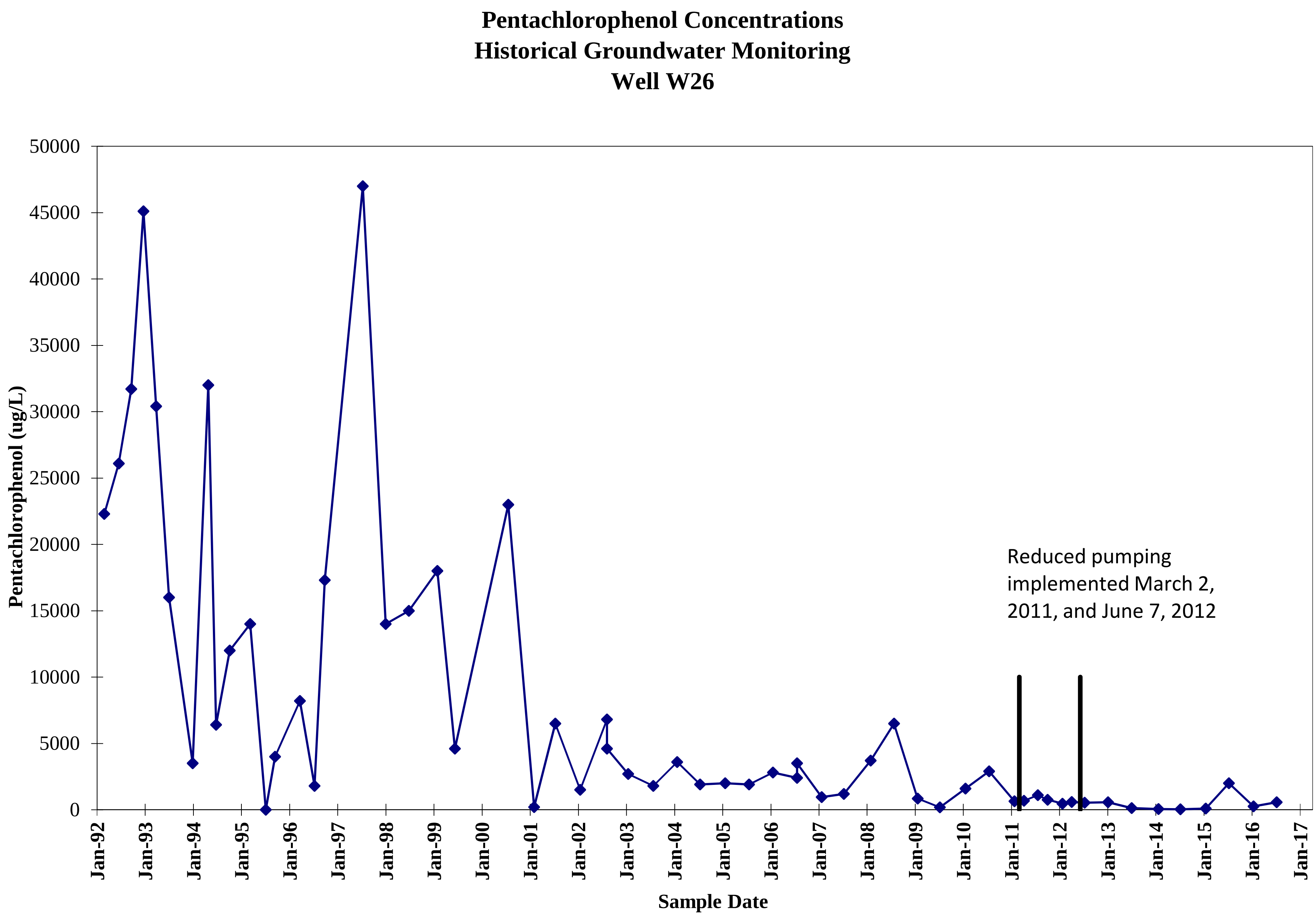
Pentachlorophenol Concentrations
Historical Groundwater Monitoring
Well W22



PCP data gap due to measurable product present in well.

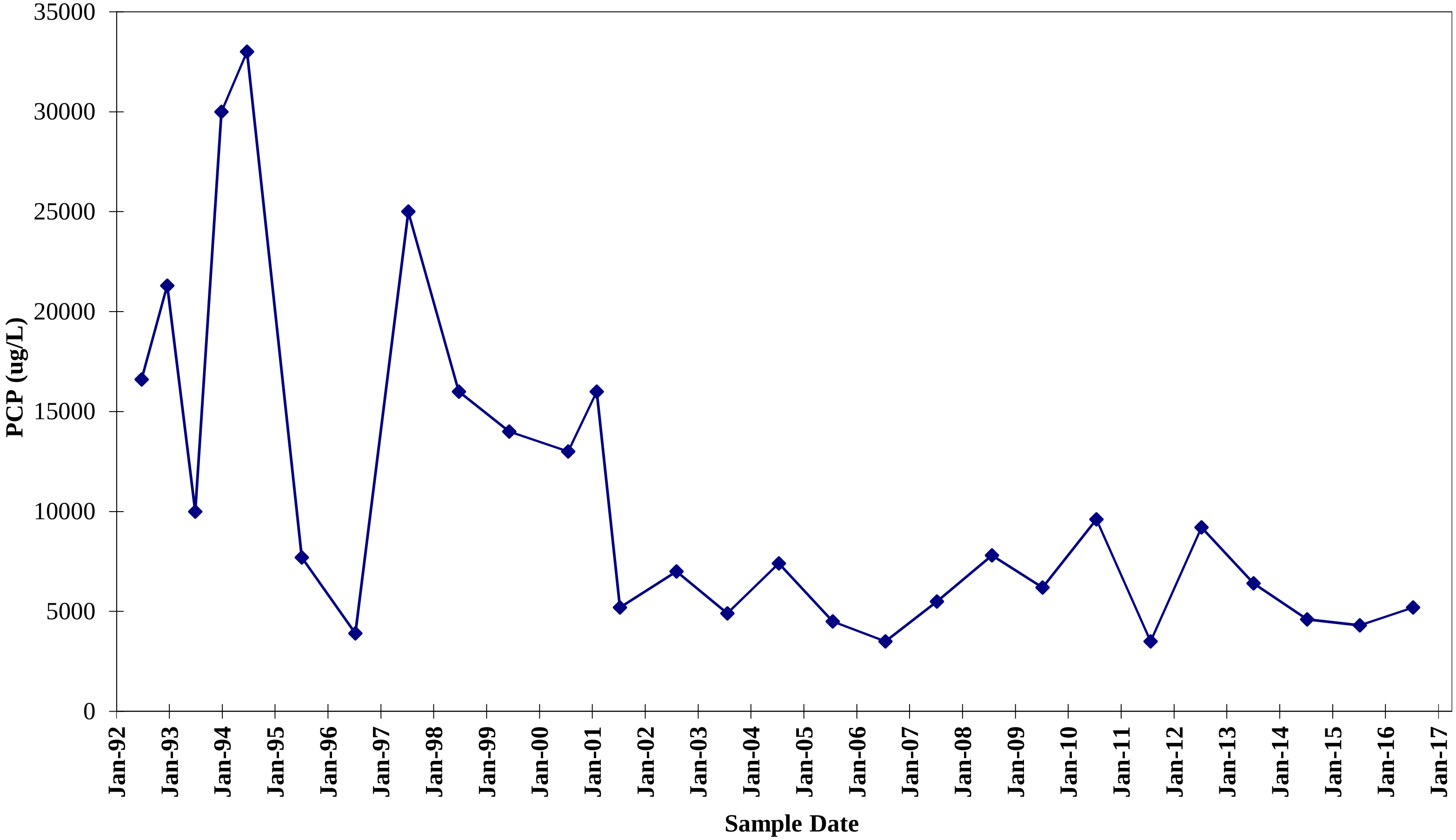
Pentachlorophenol Concentrations
Historical Groundwater Monitoring
Well W25



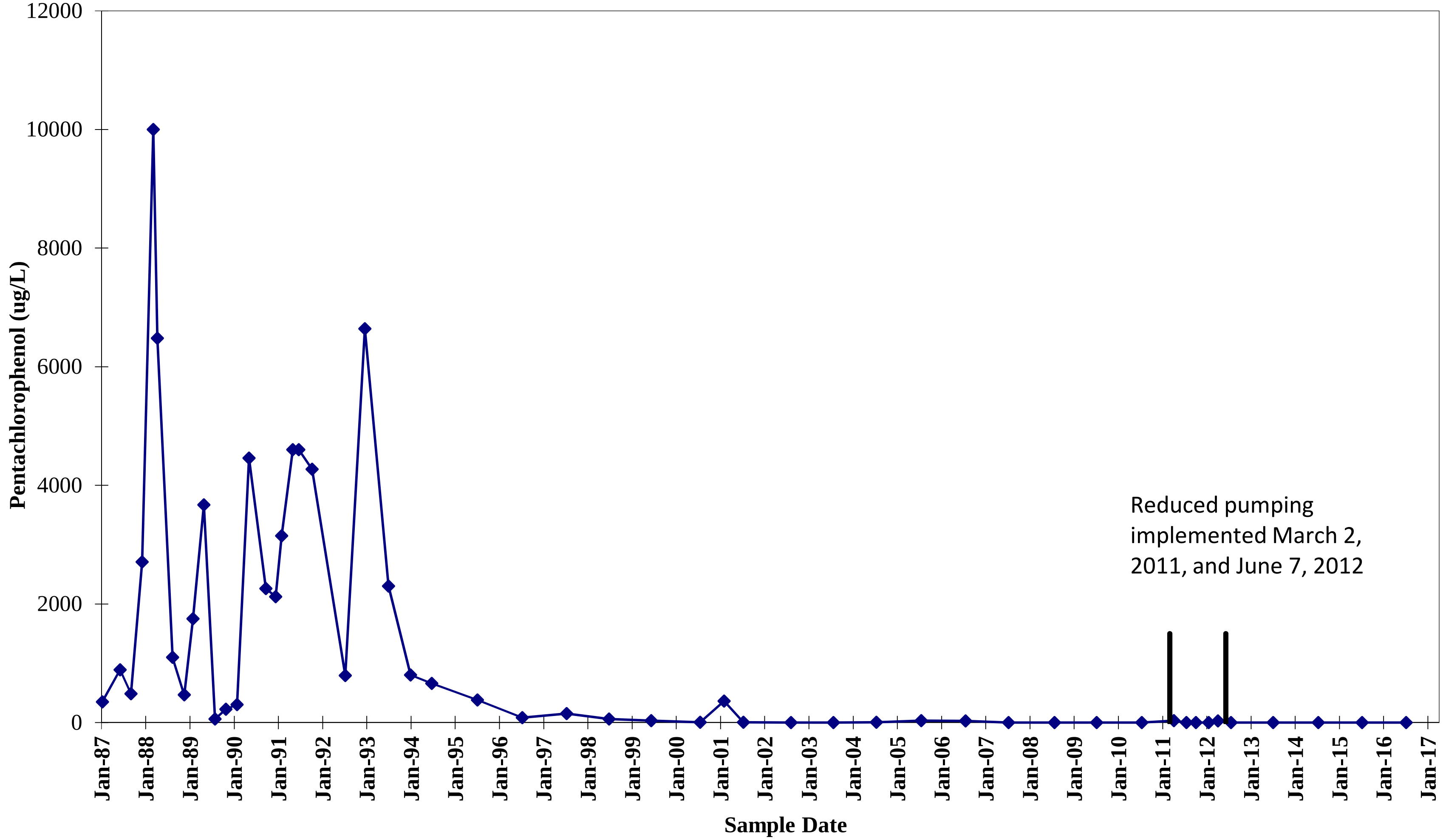


Pentachlorophenol Concentrations
Historical Groundwater Monitoring
Well W26
Pentachlorophenol (ug/L)
0
5000
10000
15000
20000
25000
30000
35000
40000
45000
50000
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15
Jan-16
Jan-17
Sample Date
Reduced pumping implemented March 2, 2011, and June 7, 2012

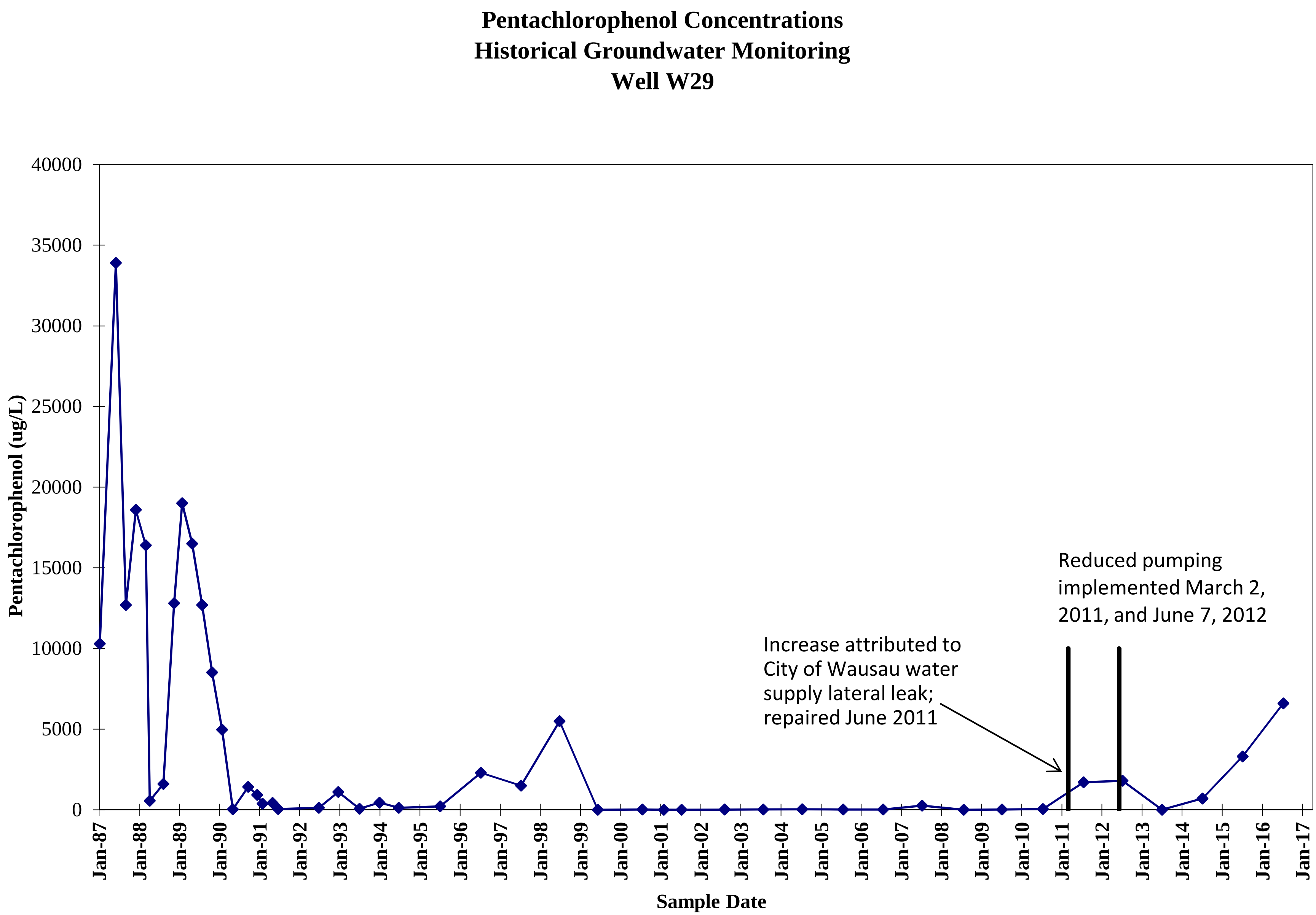
Pentachlorophenol Concentrations
Historical Groundwater Monitoring
Well W27



Pentachlorophenol Concentrations
Historical Groundwater Monitoring
Well W28

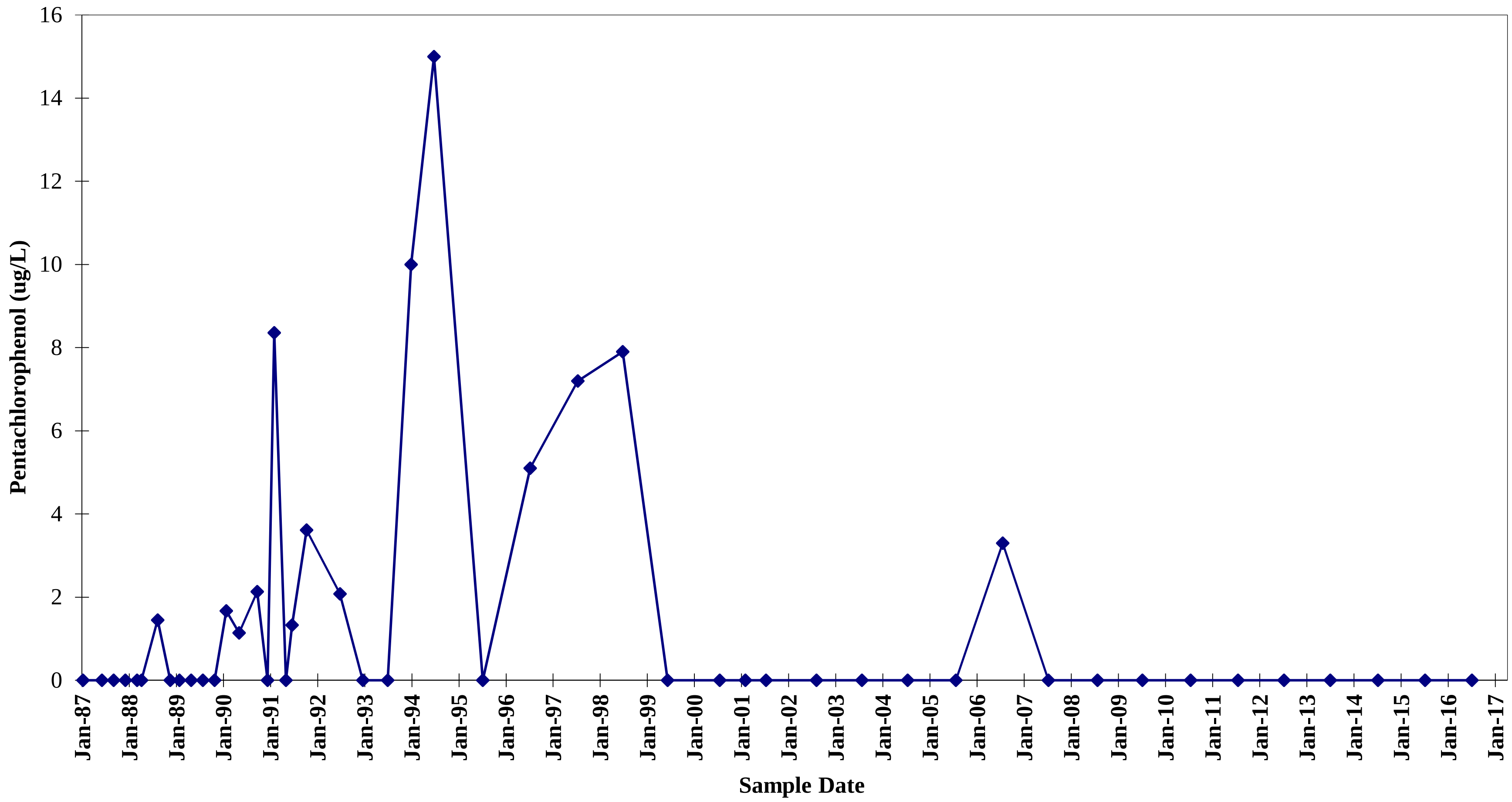


\\ntapb-madison\msn-vol6\-\WPMSN\PJT2\189597\2016 Table for April 2017 Report\Pentachlor2016.xls 11/28/2016



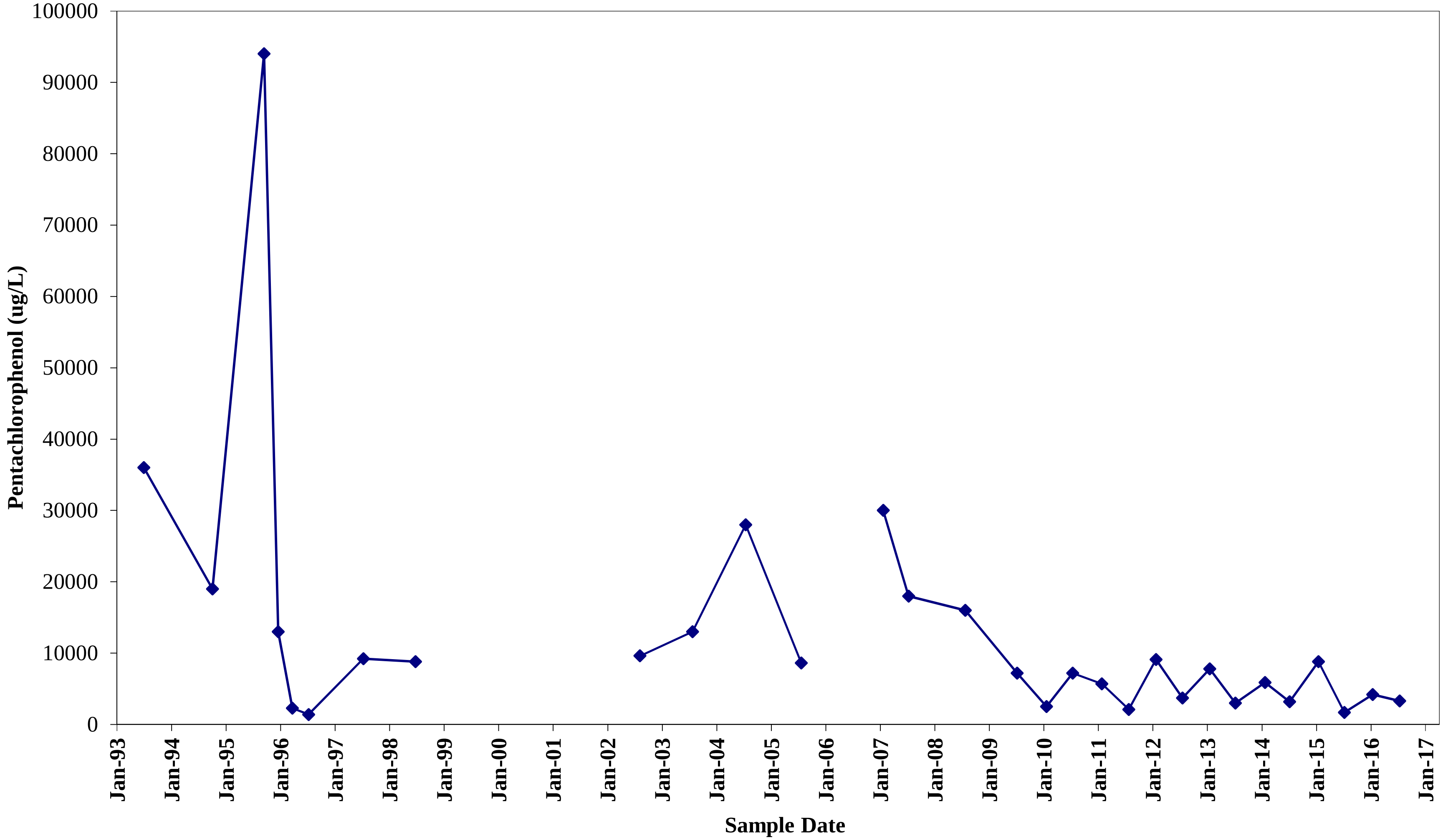
\\ntapb-madison\msn-vol6\-\WPMSN\PJT2\189597\2016 Table for April 2017 Report\Pentachlor2016.xls 11/28/2016

Pentachlorophenol Concentrations
Historical Groundwater Monitoring
Well W32



\\ntapb-madison\msn-vol6\-\WPMSN\PJT2\189597\2016 Table for April 2017 Report\Pentachlor2016.xls 11/28/2016

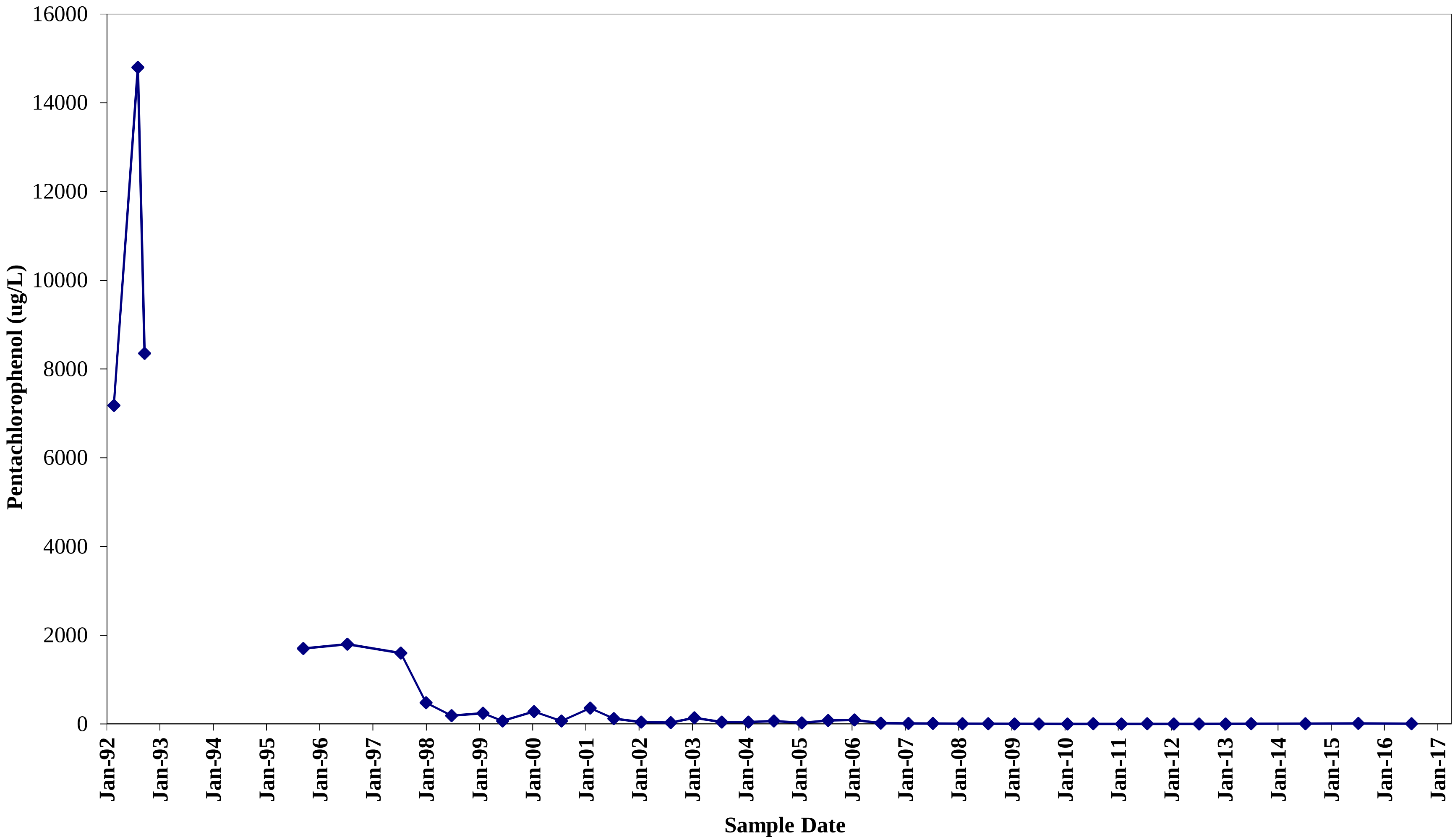
Pentachlorophenol Concentrations
Historical Groundwater Monitoring
Well W33



PCP data gap due to measurable product present in well.

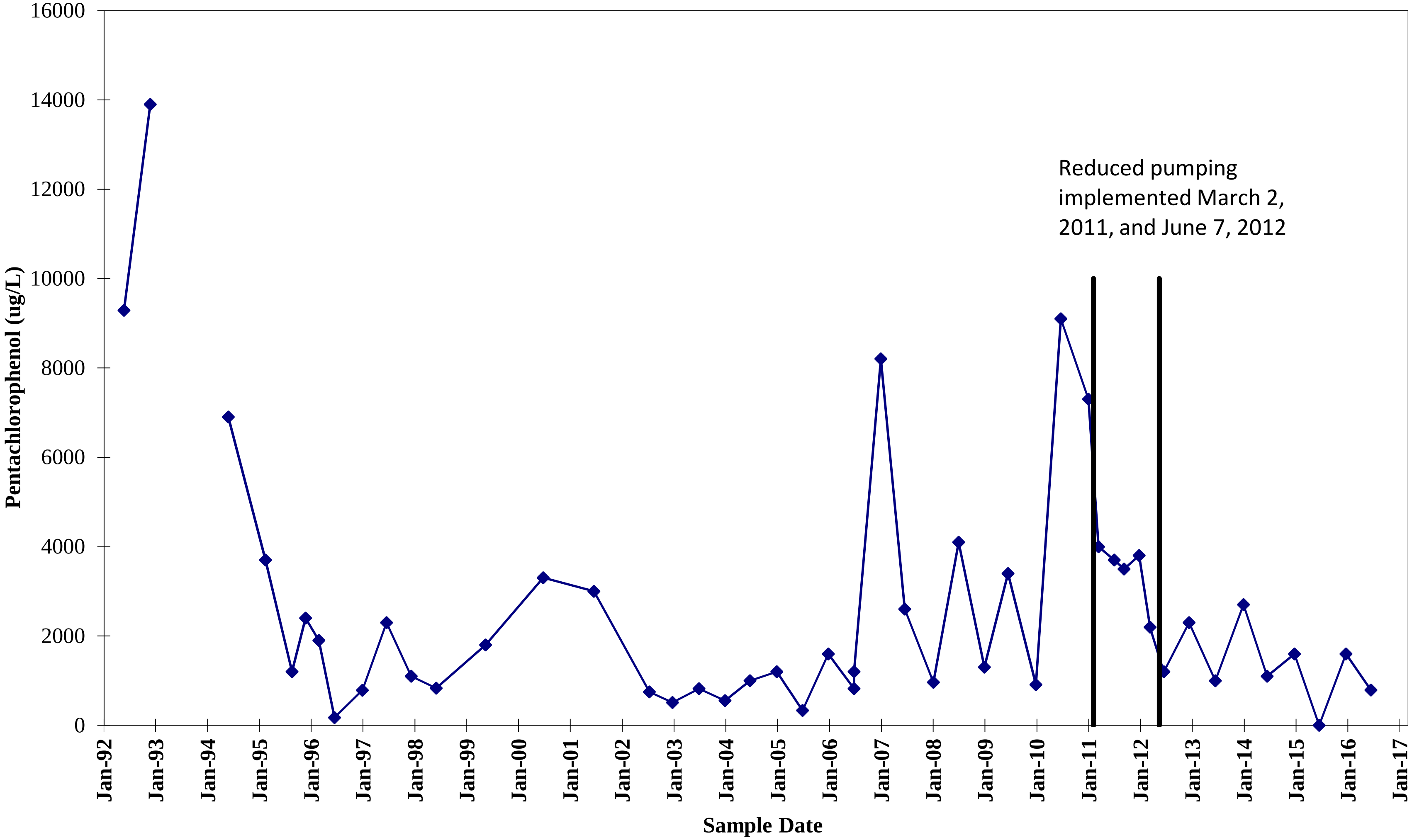
\\ntapb-madison\msn-vol6\-\WPMSN\PJT2\189597\2016 Table for April 2017 Report\Pentachlor2016.xls 11/28/2016

Pentachlorophenol Concentrations
Historical Groundwater Monitoring
Well W36



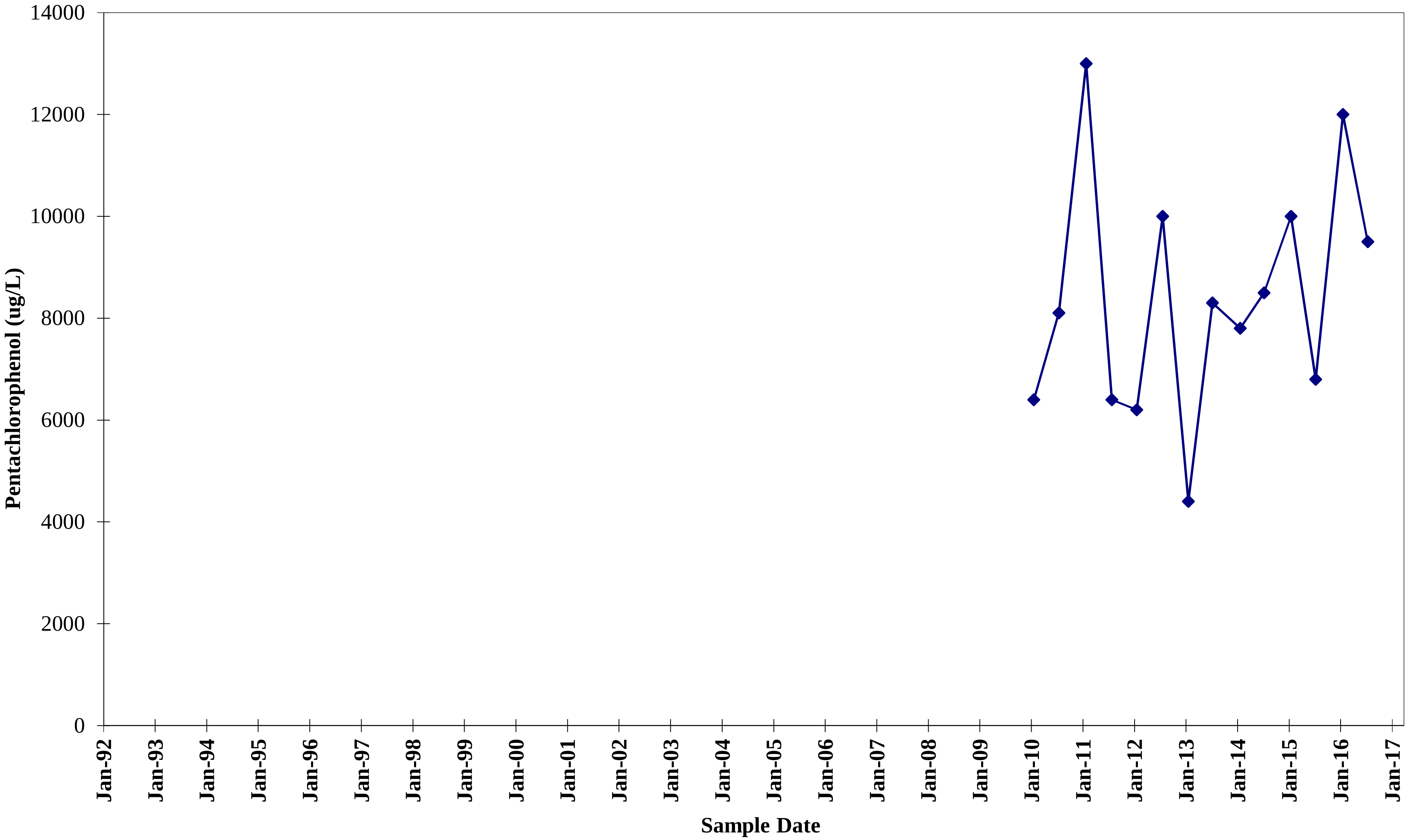
PCP data gap due to measurable product present in well.

Pentachlorophenol Concentrations
Historical Groundwater Monitoring
Well W39



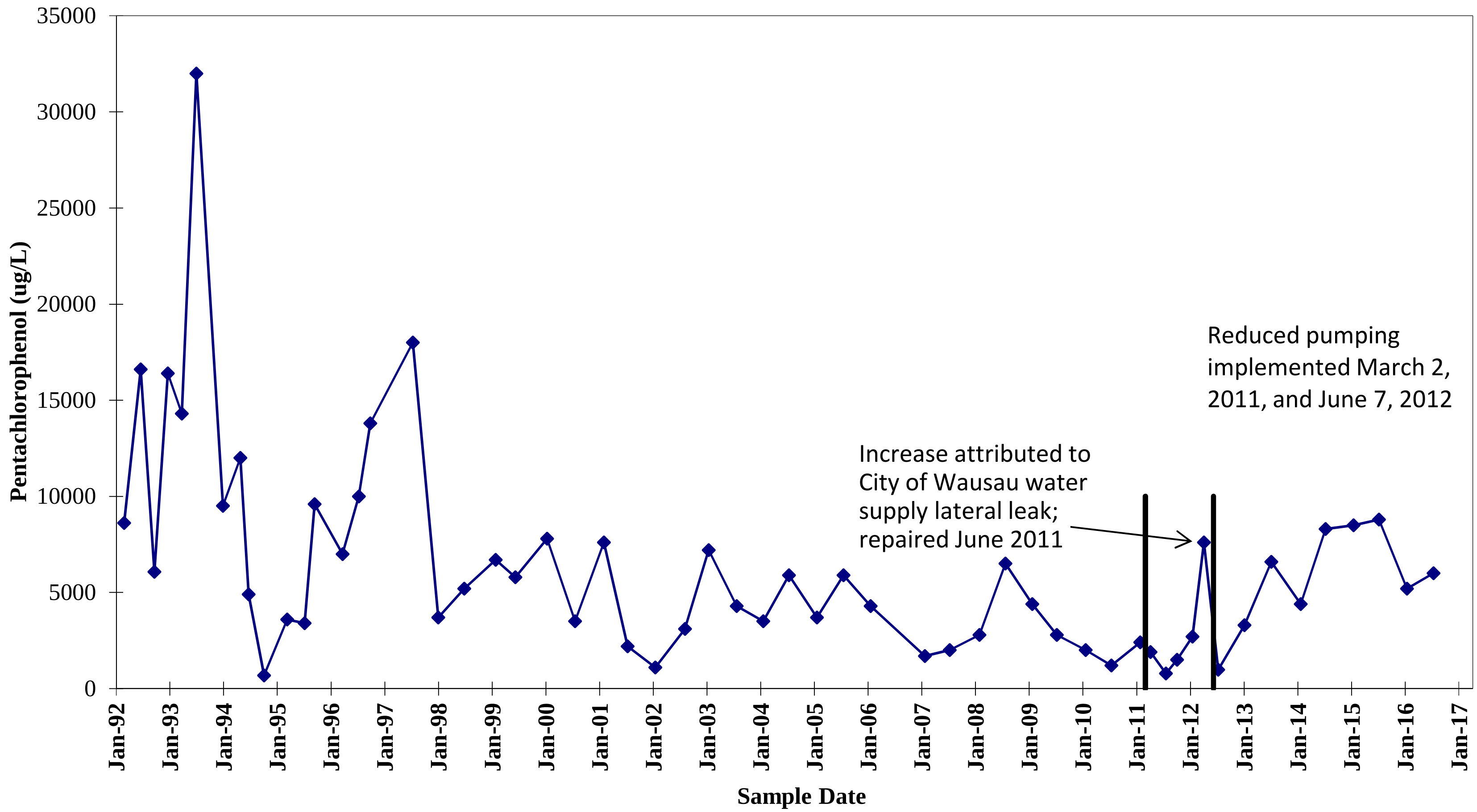
PCP data gap due to measurable product present in well.

Pentachlorophenol Concentrations
Historical Groundwater Monitoring
Well W40



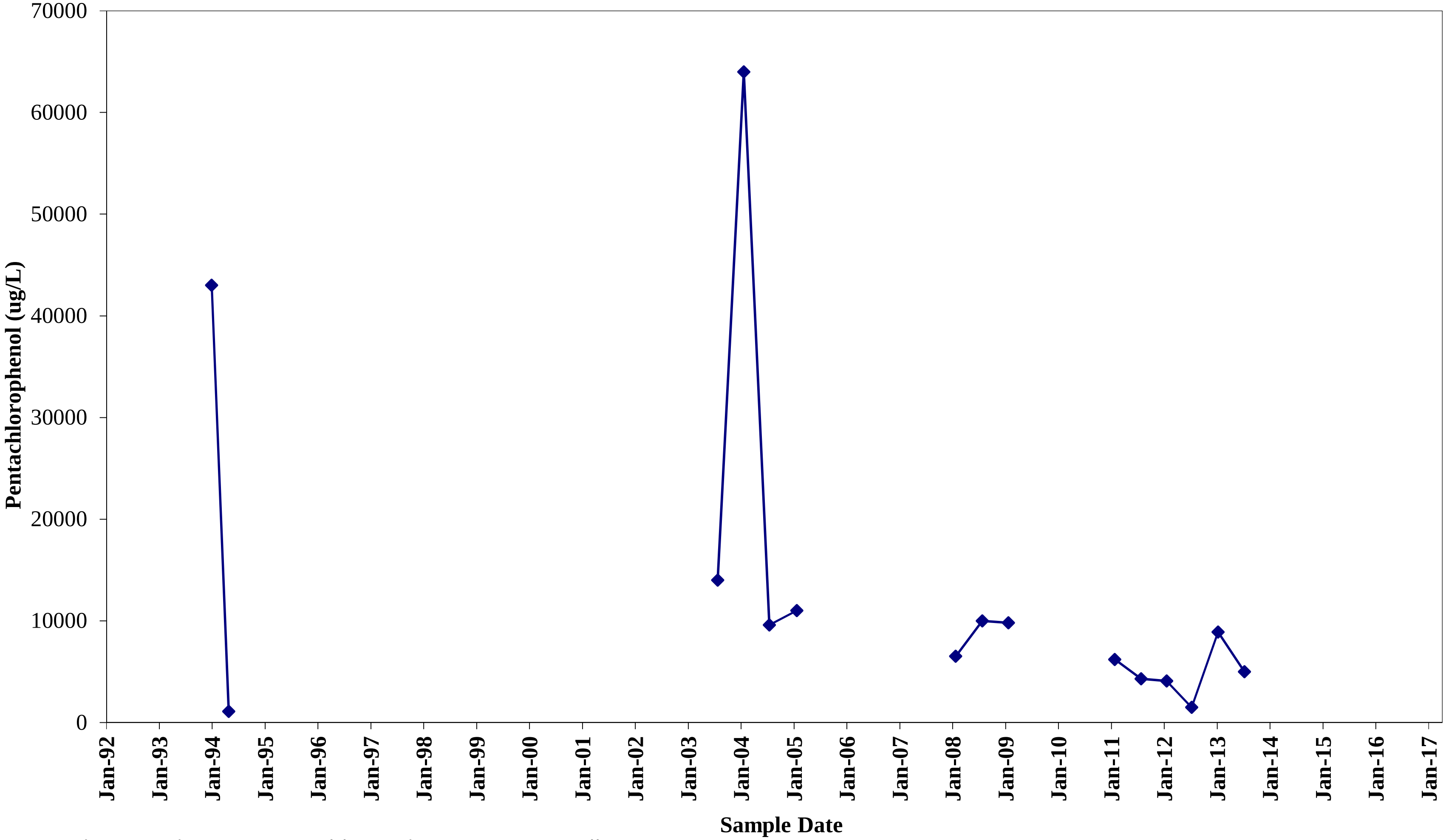
PCP data gap due to measurable product present in well.

Pentachlorophenol Concentrations
Historical Groundwater Monitoring
Well W41

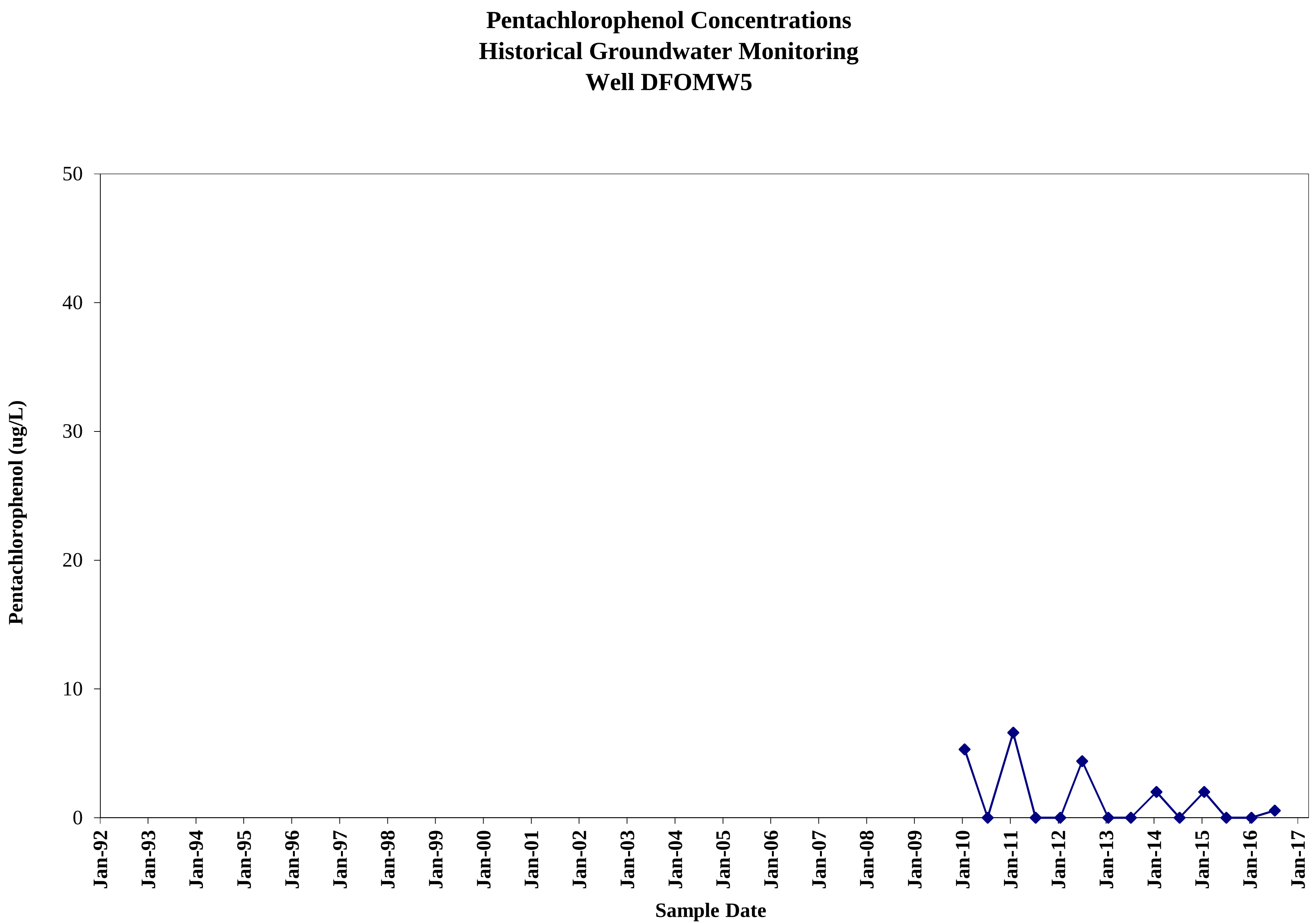


\\ntapb-madison\msn-vol6\-\WPMSN\PJT2\189597\2016 Table for April 2017 Report\Pentachlor2016.xls 11/28/2016

Pentachlorophenol Concentrations
Historical Groundwater Monitoring
Well W69

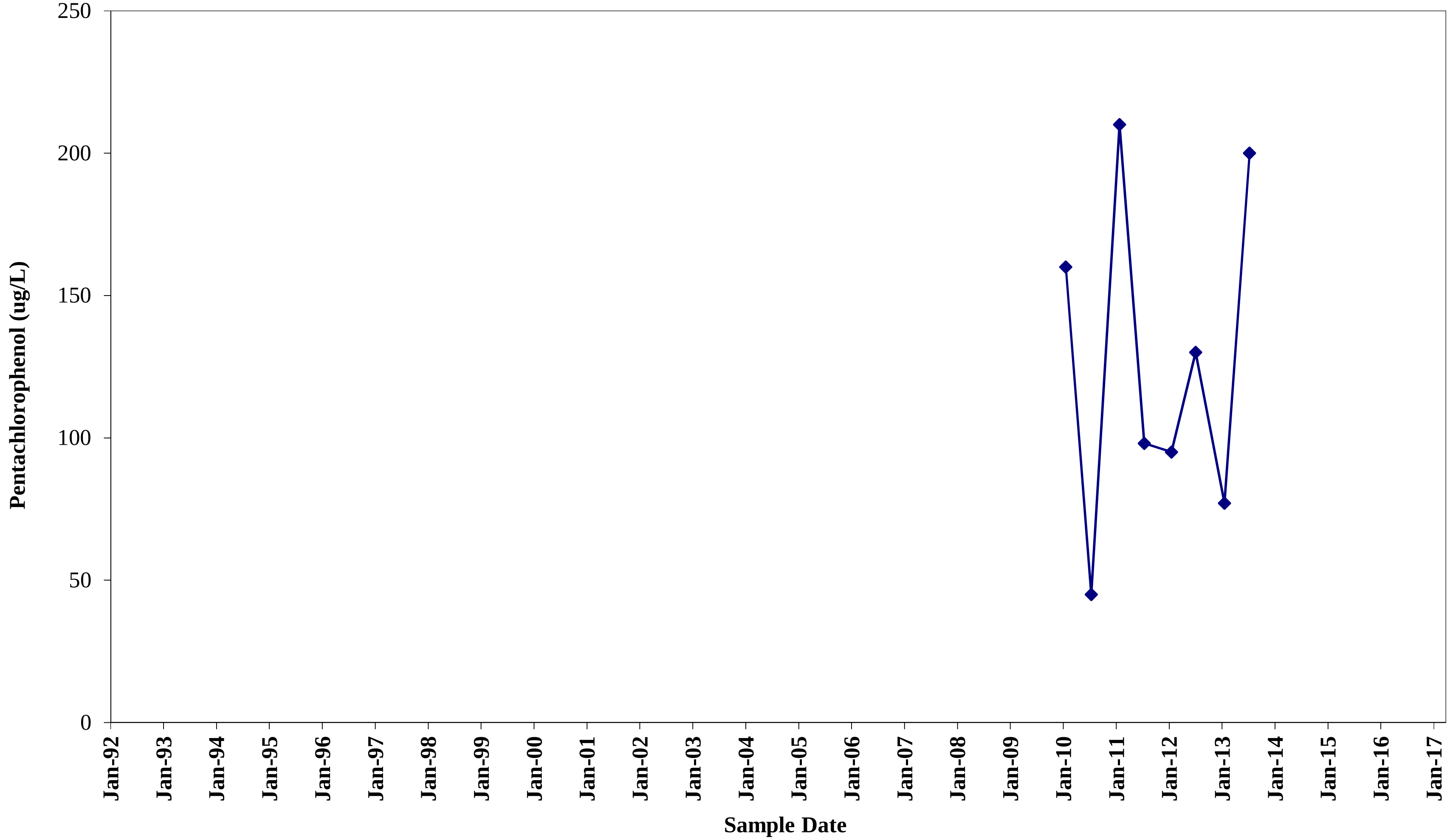


PCP data gap due to measurable product present in well.



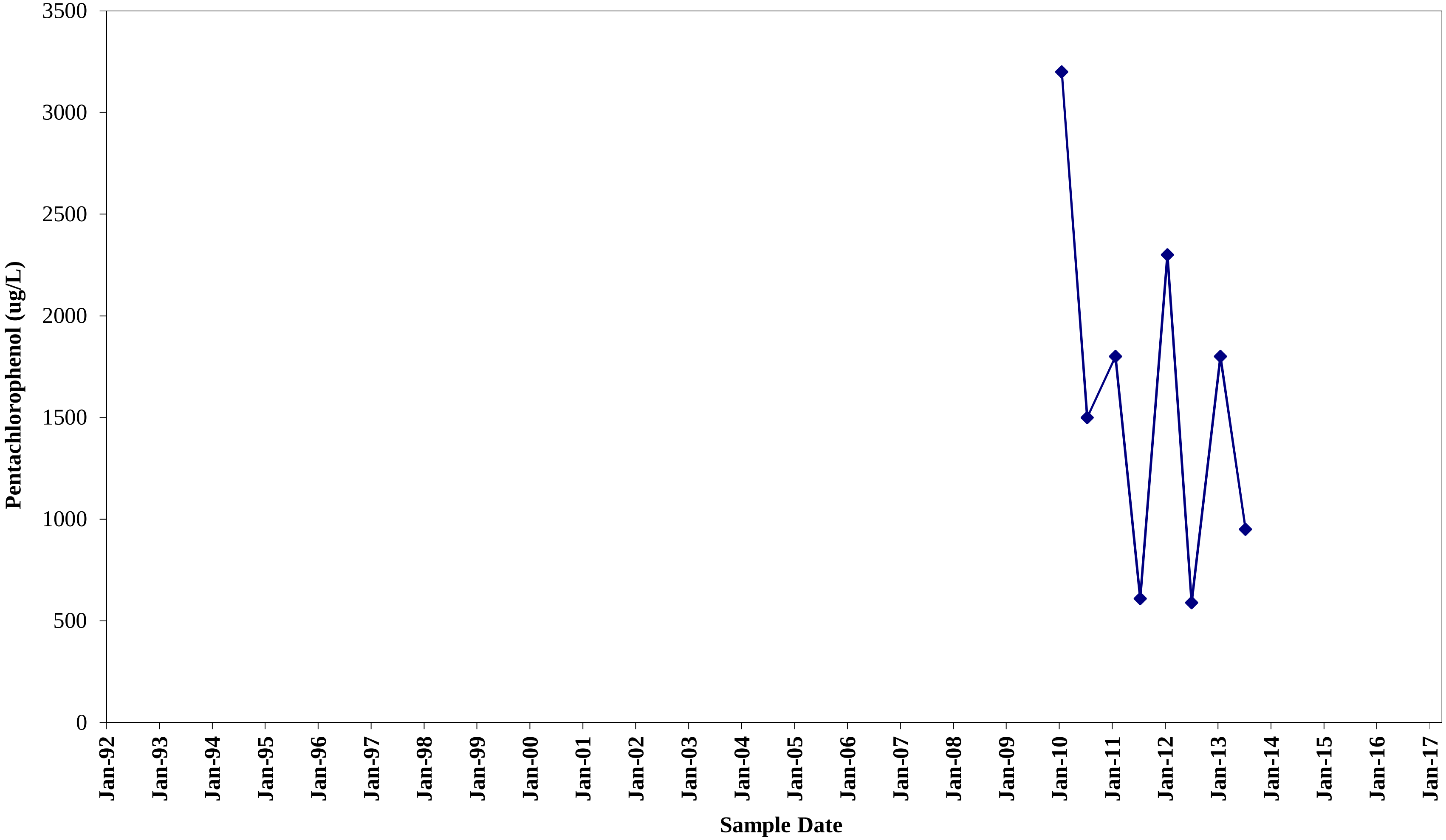
\\ntapb-madison\msn-vol6\-\WPMSN\PJT2\189597\2016 Table for April 2017 Report\Pentachlor2016.xls 11/28/2016

Pentachlorophenol Concentrations
Historical Groundwater Monitoring
Well DFOMW9



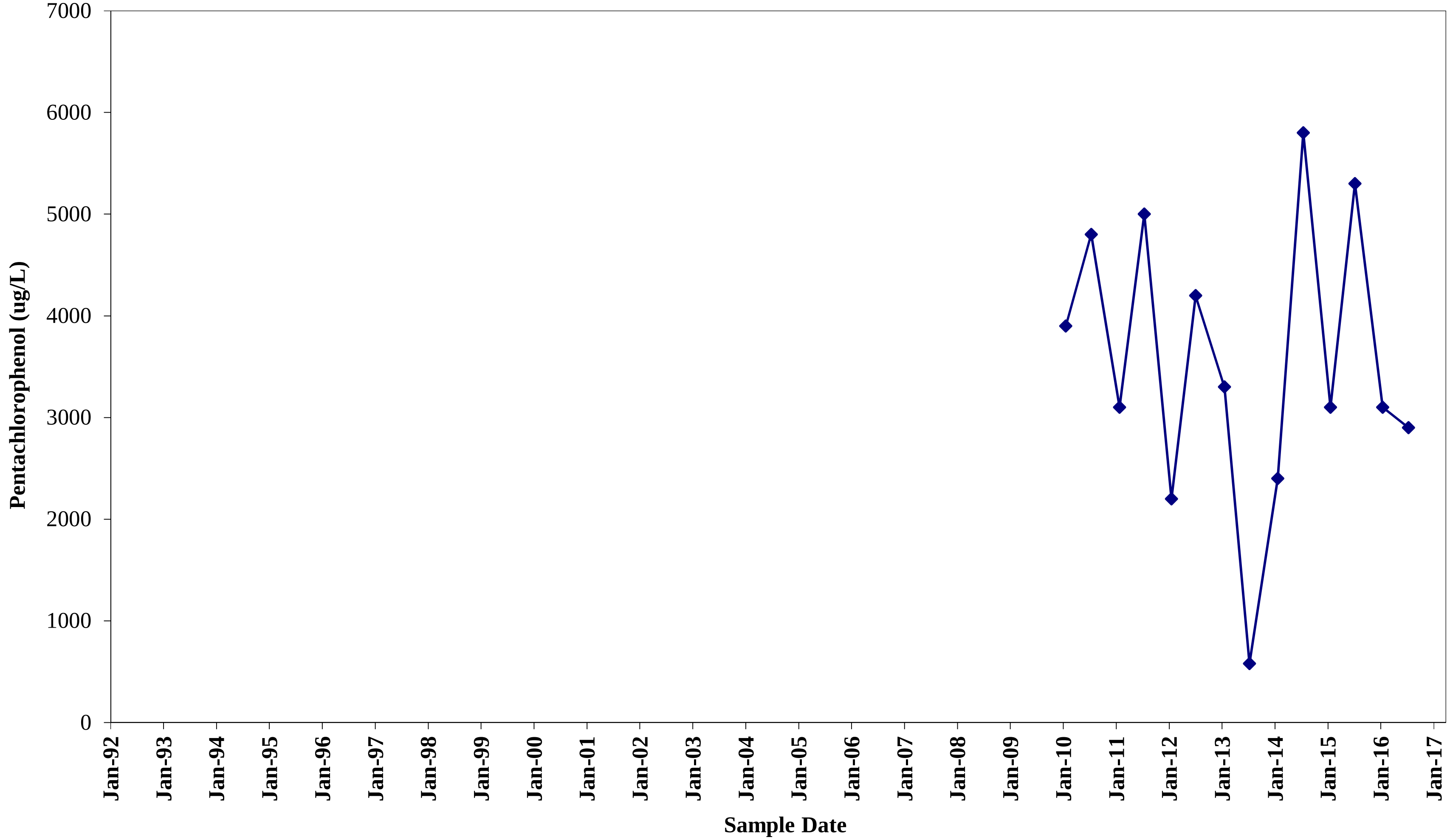
Well DFOMW9 discontinued from monitoring program beginning in 2014.

Pentachlorophenol Concentrations
Historical Groundwater Monitoring
Well DFOMW10A

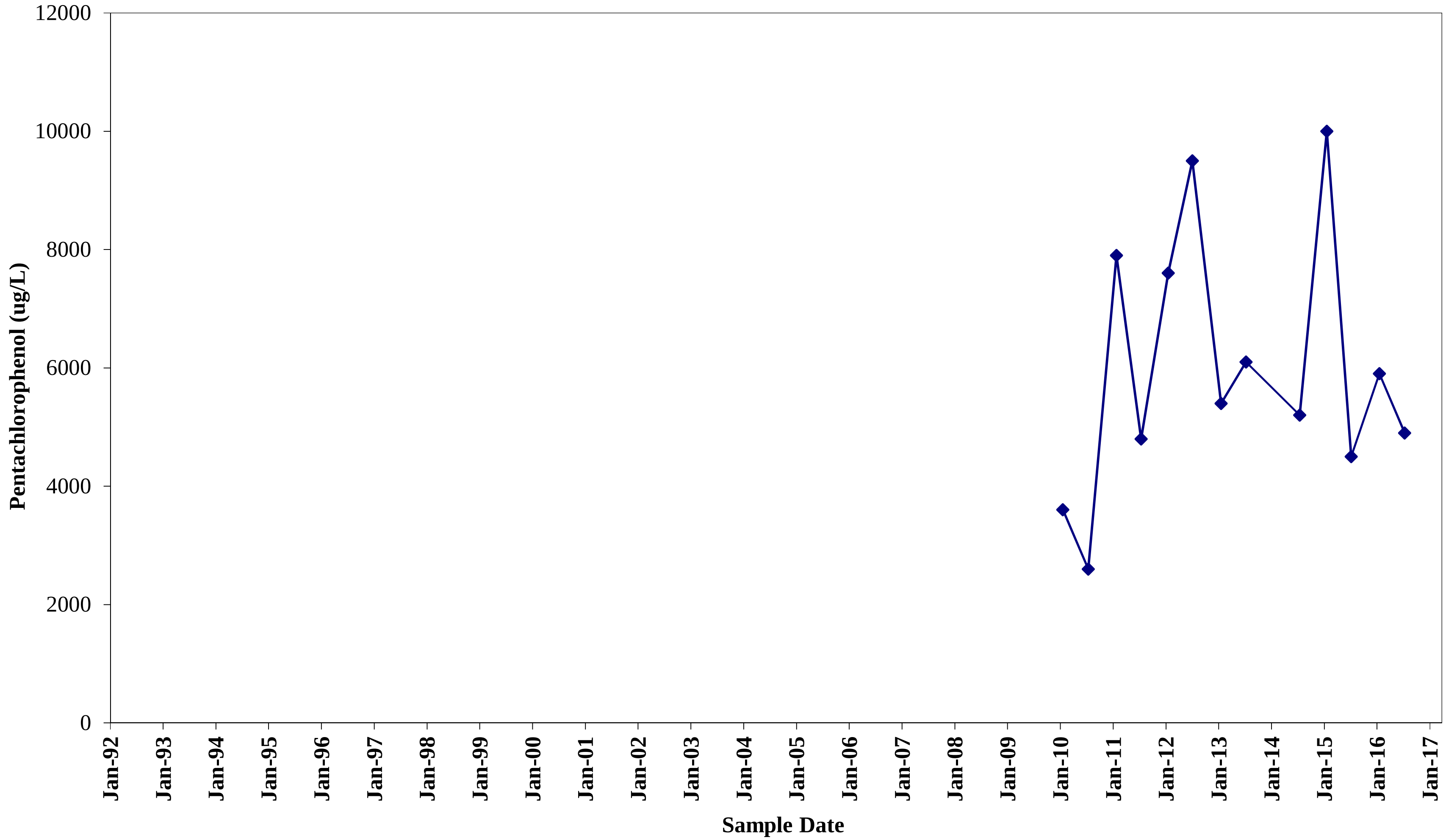


Well DFOMW10A discontinued from monitoring program beginning in 2014.

Pentachlorophenol Concentrations
Historical Groundwater Monitoring
Well DFOMW11

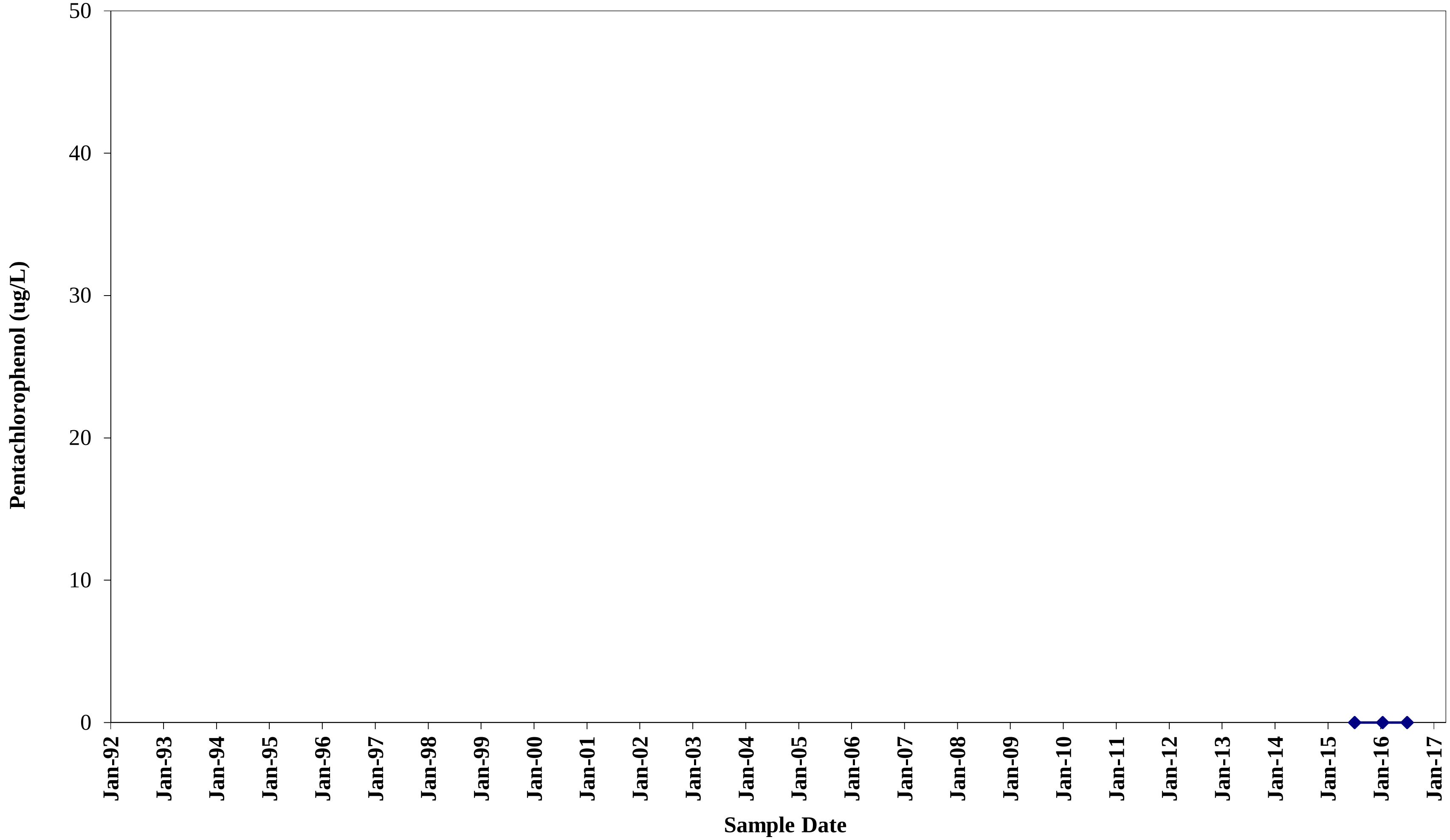


Pentachlorophenol Concentrations
Historical Groundwater Monitoring
Well DFOMW12



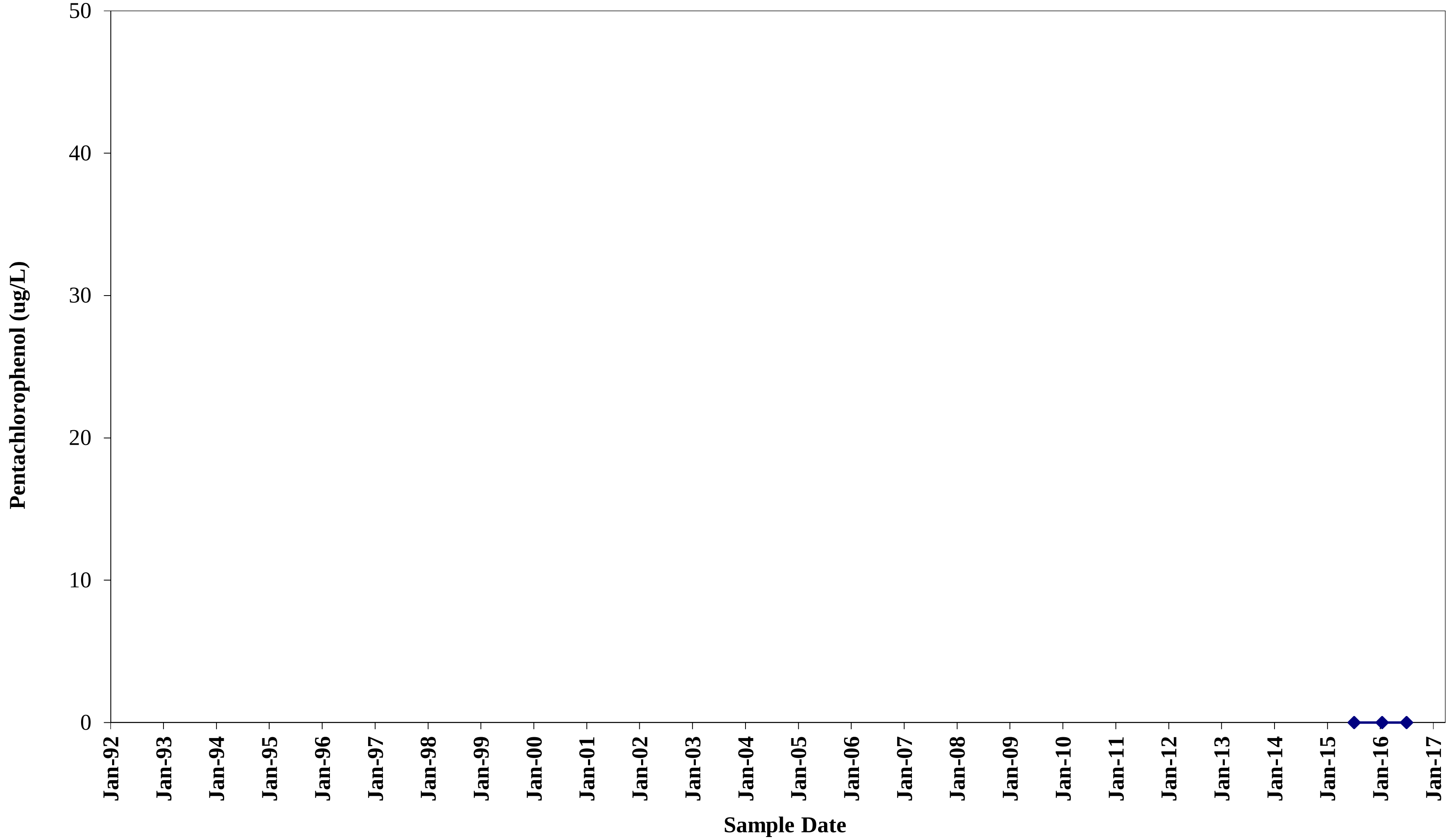
\\ntapb-madison\msn-vol6\-\WPMSN\PJT2\189597\2016 Table for April 2017 Report\Pentachlor2016.xls 11/28/2016

Pentachlorophenol Concentrations
Historical Groundwater Monitoring
Well W71



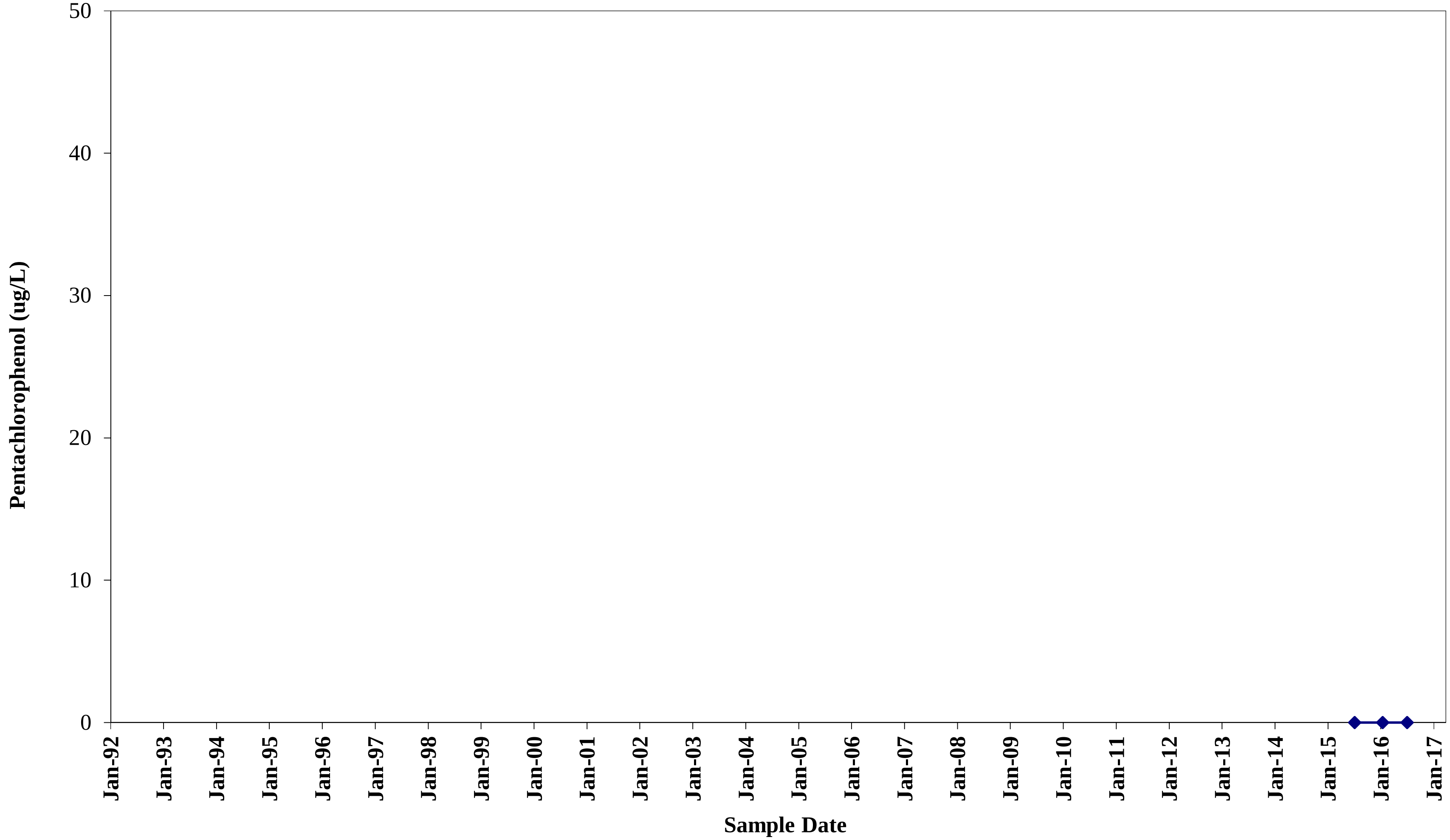
Well W71 installed in June 2015.

Pentachlorophenol Concentrations
Historical Groundwater Monitoring
Well W72



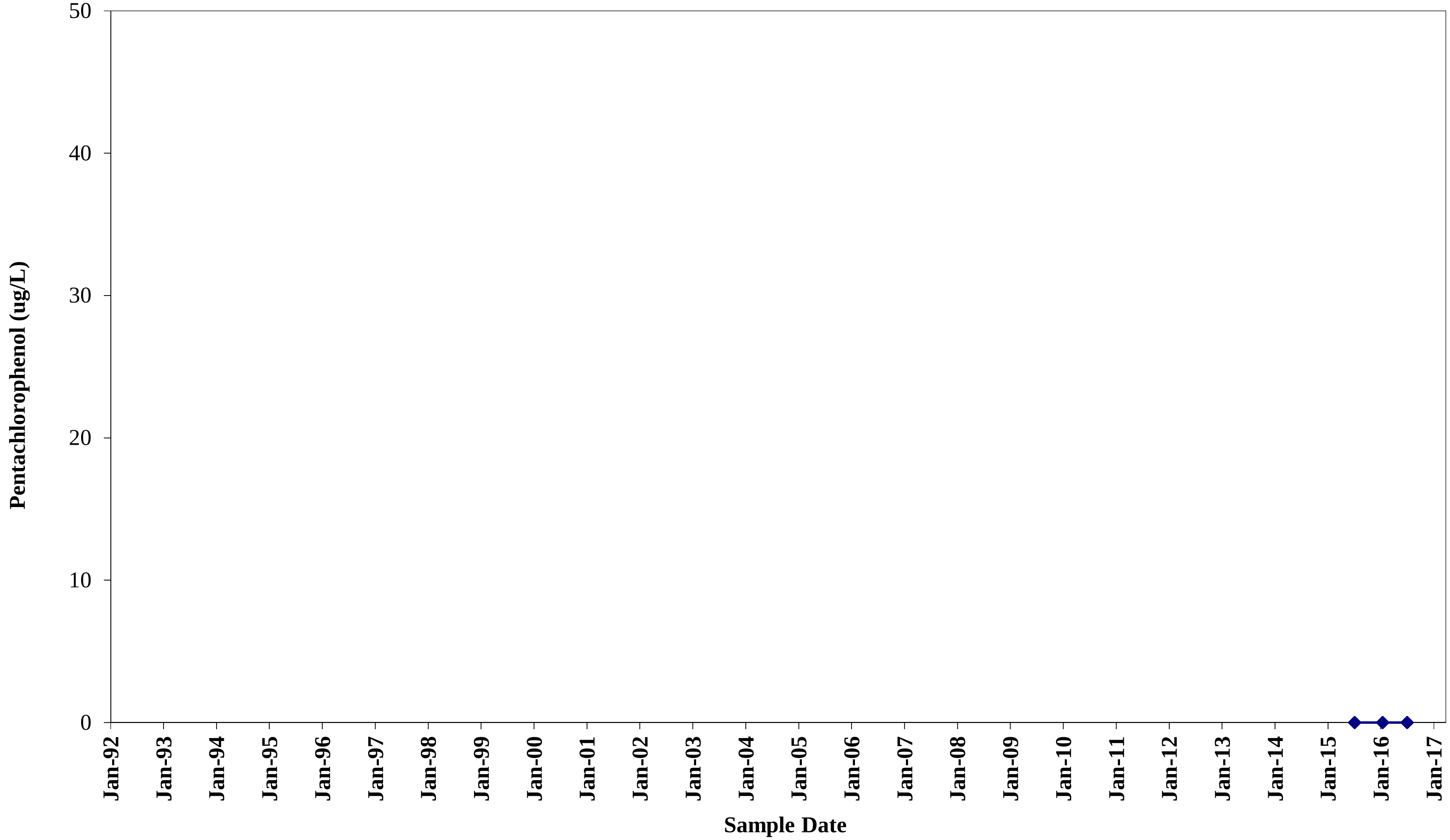
Well W72 installed in June 2015.

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.

\\ntapb-madison\msn-vol6\-\WPMSN\PJT2\189597\2016 Table for April 2017 Report\Pentachlor2016.xls 11/28/2016

APPENDIX E

LABORATORY REPORT

E1 January 2016
E2 July 2016

E1

January 2016

CT LABORATORIES
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CT Laboratories LLC • 1230 Lange Ct • Baraboo, WI 53913
608-356-2760 • www.ctlaboratories.com

REVISED
ANALYTICAL REPORT

TRC ENVIRONMENTAL
BRUCE IVERSON
708 HEARTLAND TRAIL
MADISON, WI 53717

Project Name: WAULECO
Project Phase:
Contract #: 2399
Project #: 189597.0004
Folder #: 116469
Purchase Order #: 91065

Arrival Temperature: See COC
Report Date: 1/26/2016
Date Received: 1/14/2016
Reprint Date: 1/28/2016
Revision Date 01/28/2016

CT LAB Sample#: 680502 Sample Description: W8 Sampled: 1/13/2016 1250

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	**5.5**	mg/L	0.040	0.13	1			1/14/2016 10:37	JJF	EPA 9056A
Total Sulfate	**22**	mg/L	1.0	3.4	1			1/14/2016 10:37	JJF	EPA 9056A
Total Organic Carbon	**1.0**	mg/L	0.40 *	1.4	1			1/19/2016 11:41	JJF	EPA 9060A
Metals Results										
Dissolved Iron	**135**	ug/L	10	32	1			1/15/2016 14:48	NAH	EPA 6010C
Dissolved Manganese	<1.6	ug/L	1.6	5.3	1			1/15/2016 14:48	NAH	EPA 6010C
Organic Results										
TPH as Mineral Spirits	<27	ug/L	27	91	1		1/18/2016 14:00	1/19/2016 14:55	SRT	EPA 8015
2,3,4,6-Tetrachlorophenol	<3.0	ug/L	1.0	3.4	1		1/15/2016 11:00	1/18/2016 19:18	RPN	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	0.52	1.7	1		1/15/2016 11:00	1/18/2016 19:18	RPN	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	0.13	0.42	1		1/15/2016 11:00	1/18/2016 19:18	RPN	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	0.52	1.6	1		1/15/2016 11:00	1/18/2016 19:18	RPN	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	0.19	0.58	1		1/15/2016 11:00	1/18/2016 19:18	RPN	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	1.6	5.1	1		1/15/2016 11:00	1/18/2016 19:18	RPN	EPA 8270D

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

CT LAB Sample#: 680502 Sample Description: W8 Sampled: 1/13/2016 1250

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,6-Dichlorophenol	<3.0	ug/L	0.42	1.1	1		1/15/2016 11:00	1/18/2016 19:18	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	0.13	0.40	1		1/15/2016 11:00	1/18/2016 19:18	RPN	EPA 8270D
2-Methylphenol	<3.0	ug/L	0.42	1.5	1		1/15/2016 11:00	1/18/2016 19:18	RPN	EPA 8270D
2-Nitrophenol	<3.0	ug/L	0.29	0.93	1		1/15/2016 11:00	1/18/2016 19:18	RPN	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	0.42	1.4	1		1/15/2016 11:00	1/18/2016 19:18	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	0.63	1.9	1		1/15/2016 11:00	1/18/2016 19:18	RPN	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	0.28	0.92	1		1/15/2016 11:00	1/18/2016 19:18	RPN	EPA 8270D
4-Nitrophenol	<3.0	ug/L	0.63	2.0	1		1/15/2016 11:00	1/18/2016 19:18	RPN	EPA 8270D
Pentachlorophenol	<3.0	ug/L	0.63	1.9	1		1/15/2016 11:00	1/18/2016 19:18	RPN	EPA 8270D
Phenol	<3.0	ug/L	0.14	0.44	1		1/15/2016 11:00	1/18/2016 19:18	RPN	EPA 8270D

CT LAB Sample#: 680503 Sample Description: W26 Sampled: 1/13/2016 1340

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	**3.1**	mg/L	0.040	0.13	1			1/14/2016 10:57	JJF	EPA 9056A
Total Sulfate	**36**	mg/L	1.0	3.4	1			1/14/2016 10:57	JJF	EPA 9056A
Total Organic Carbon	**2.3**	mg/L	0.40	1.4	1			1/19/2016 11:56	JJF	EPA 9060A
Metals Results										
Dissolved Iron	<10	ug/L	10	32	1			1/15/2016 15:02	NAH	EPA 6010C
Dissolved Manganese	**265**	ug/L	1.6	5.3	1			1/15/2016 15:02	NAH	EPA 6010C
Organic Results										
TPH as Mineral Spirits	**60**	ug/L	26 *	88	1		1/18/2016 14:00	1/19/2016 16:27	SRT	EPA 8015

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

CT LAB Sample#: 680503 Sample Description: W26 Sampled: 1/13/2016 1340

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,3,4,6-Tetrachlorophenol	**27**	ug/L	5.1	17	5		1/15/2016 11:00	1/18/2016 21:54	RPN	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	2.6	8.2	5		1/15/2016 11:00	1/18/2016 21:54	RPN	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	0.61	2.0	5		1/15/2016 11:00	1/18/2016 21:54	RPN	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	2.6	7.7	5		1/15/2016 11:00	1/18/2016 21:54	RPN	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	0.92	2.9	5		1/15/2016 11:00	1/18/2016 21:54	RPN	EPA 8270D
2,4-Dinitrophenol	<7.7	ug/L	7.7	25	5		1/15/2016 11:00	1/18/2016 21:54	RPN	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	2.0	5.6	5		1/15/2016 11:00	1/18/2016 21:54	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	0.61	1.9	5		1/15/2016 11:00	1/18/2016 21:54	RPN	EPA 8270D
2-Methylphenol	<3.0	ug/L	2.0	7.1	5		1/15/2016 11:00	1/18/2016 21:54	RPN	EPA 8270D
2-Nitrophenol	<3.0	ug/L	1.4	4.5	5		1/15/2016 11:00	1/18/2016 21:54	RPN	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	2.0	6.6	5		1/15/2016 11:00	1/18/2016 21:54	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.1	ug/L	3.1	9.2	5		1/15/2016 11:00	1/18/2016 21:54	RPN	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	1.4	4.5	5		1/15/2016 11:00	1/18/2016 21:54	RPN	EPA 8270D
4-Nitrophenol	<3.1	ug/L	3.1	9.7	5		1/15/2016 11:00	1/18/2016 21:54	RPN	EPA 8270D
Pentachlorophenol	**260**	ug/L	6.1	18	10		1/15/2016 11:00	1/20/2016 15:22	RPN	EPA 8270D
Phenol	<3.0	ug/L	0.66	2.1	5		1/15/2016 11:00	1/18/2016 21:54	RPN	EPA 8270D

CT LAB Sample#: 680504 Sample Description: W22 Sampled: 1/13/2016 1415

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	**0.57**	mg/L	0.040	0.13	1			1/14/2016 11:16	JJF	EPA 9056A
Total Sulfate	**18**	mg/L	1.0	3.4	1			1/14/2016 11:16	JJF	EPA 9056A
Total Organic Carbon	**10**	mg/L	0.40	1.4	1			1/19/2016 12:08	JJF	EPA 9060A

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

CT LABORATORIES

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TRC ENVIRONMENTAL
Project Name: WAULECO
Project #: 189597.0004
Project Phase:

Contract #: 2399
Folder #: 116469

CT LAB Sample#: 680504 Sample Description: W22 Sampled: 1/13/2016 1415

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Iron	**23.5**	ug/L	10 *	32	1			1/15/2016 15:07	NAH	EPA 6010C
Dissolved Manganese	**965**	ug/L	1.6	5.3	1			1/15/2016 15:07	NAH	EPA 6010C
Organic Results										
TPH as Mineral Spirits	**2100**	ug/L	27	89	1		1/18/2016 14:00	1/19/2016 16:58	SRT	EPA 8015
2,3,4,6-Tetrachlorophenol	**150**	ug/L	100 *	340	100		1/15/2016 11:00	1/18/2016 22:17	RPN	EPA 8270D
2,4,5-Trichlorophenol	<52	ug/L	52	170	100		1/15/2016 11:00	1/18/2016 22:17	RPN	EPA 8270D
2,4,6-Trichlorophenol	<13	ug/L	13	42	100		1/15/2016 11:00	1/18/2016 22:17	RPN	EPA 8270D
2,4-Dichlorophenol	<52	ug/L	52	160	100		1/15/2016 11:00	1/18/2016 22:17	RPN	EPA 8270D
2,4-Dimethylphenol	<19	ug/L	19	58	100		1/15/2016 11:00	1/18/2016 22:17	RPN	EPA 8270D
2,4-Dinitrophenol	<160	ug/L	160	510	100		1/15/2016 11:00	1/18/2016 22:17	RPN	EPA 8270D
2,6-Dichlorophenol	<42	ug/L	42	110	100		1/15/2016 11:00	1/18/2016 22:17	RPN	EPA 8270D
2-Chlorophenol	<13	ug/L	13	40	100		1/15/2016 11:00	1/18/2016 22:17	RPN	EPA 8270D
2-Methylphenol	<42	ug/L	42	150	100		1/15/2016 11:00	1/18/2016 22:17	RPN	EPA 8270D
2-Nitrophenol	<29	ug/L	29	93	100		1/15/2016 11:00	1/18/2016 22:17	RPN	EPA 8270D
3 & 4-Methylphenol	<42	ug/L	42	140	100		1/15/2016 11:00	1/18/2016 22:17	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<63	ug/L	63	190	100		1/15/2016 11:00	1/18/2016 22:17	RPN	EPA 8270D
4-Chloro-3-methylphenol	<28	ug/L	28	92	100		1/15/2016 11:00	1/18/2016 22:17	RPN	EPA 8270D
4-Nitrophenol	<63	ug/L	63	200	100		1/15/2016 11:00	1/18/2016 22:17	RPN	EPA 8270D
Pentachlorophenol	**1400**	ug/L	63	190	100		1/15/2016 11:00	1/18/2016 22:17	RPN	EPA 8270D
Phenol	<14	ug/L	14	44	100		1/15/2016 11:00	1/18/2016 22:17	RPN	EPA 8270D

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

CT LABORATORIES
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TRC ENVIRONMENTAL
Project Name: WAULECO
Project #: 189597.0004
Project Phase:

Contract #: 2399
Folder #: 116469

CT LAB Sample#: 680505 Sample Description: PW17 Sampled: 1/12/2016 0950

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	**13**	mg/L	1.0	3.4	1			1/14/2016 19:30	JJF	EPA 9056A
Total Organic Carbon	**7.0**	mg/L	0.40	1.4	1			1/19/2016 12:21	JJF	EPA 9060A
Metals Results										
Dissolved Iron	**8310**	ug/L	10	32	1			1/15/2016 15:11	NAH	EPA 6010C
Dissolved Manganese	**3730**	ug/L	1.6	5.3	1			1/15/2016 15:11	NAH	EPA 6010C
Organic Results										
TPH as Mineral Spirits	**1800**	ug/L	28	93	1		1/18/2016 14:00	1/19/2016 17:29	SRT	EPA 8015

CT LAB Sample#: 680506 Sample Description: FP2 Sampled: 1/12/2016 1020

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	**2.5**	mg/L	1.0 *	3.4	1			1/14/2016 19:50	JJF	EPA 9056A
Total Organic Carbon	**7.9**	mg/L	0.40	1.4	1			1/19/2016 12:34	JJF	EPA 9060A
Metals Results										
Dissolved Iron	**12200**	ug/L	10	32	1			1/15/2016 15:16	NAH	EPA 6010C
Dissolved Manganese	**7000**	ug/L	1.6	5.3	1			1/15/2016 15:16	NAH	EPA 6010C
Organic Results										
TPH as Mineral Spirits	**3700**	ug/L	27	89	1		1/18/2016 14:00	1/19/2016 18:00	SRT	EPA 8015

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

CT LAB Sample#: 680507 Sample Description: W16 Sampled: 1/12/2016 1100

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	**22**	mg/L	1.0	3.4	1			1/14/2016 20:09	JJF	EPA 9056A
Total Organic Carbon	**2.1**	mg/L	0.40	1.4	1			1/19/2016 12:46	JJF	EPA 9060A
Metals Results										
Dissolved Iron	<10	ug/L	10	32	1			1/15/2016 15:35	NAH	EPA 6010C
Dissolved Manganese	<1.6	ug/L	1.6	5.3	1			1/15/2016 15:35	NAH	EPA 6010C
Organic Results										
TPH as Mineral Spirits	<27	ug/L	27	90	1		1/18/2016 14:00	1/19/2016 18:31	SRT	EPA 8015

CT LAB Sample#: 680508 Sample Description: W12 Sampled: 1/12/2016 1140

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	<1.0	mg/L	1.0	3.4	1			1/14/2016 20:29	JJF	EPA 9056A
Total Organic Carbon	**1.6**	mg/L	0.40	1.4	1			1/19/2016 12:58	JJF	EPA 9060A
Metals Results										
Dissolved Iron	**50.4**	ug/L	10	32	1			1/15/2016 15:40	NAH	EPA 6010C
Dissolved Manganese	<1.6	ug/L	1.6	5.3	1			1/15/2016 15:40	NAH	EPA 6010C
Organic Results										
TPH as Mineral Spirits	<26	ug/L	26	88	1		1/18/2016 14:00	1/19/2016 20:04	SRT	EPA 8015

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

CT LAB Sample#: 680509 Sample Description: W11 Sampled: 1/12/2016 1250

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	**14**	mg/L	1.0	3.4	1			1/14/2016 21:28	JJF	EPA 9056A
Total Organic Carbon	**1.7**	mg/L	0.40	1.4	1			1/19/2016 13:09	JJF	EPA 9060A
Metals Results										
Dissolved Iron	<10	ug/L	10	32	1			1/15/2016 15:45	NAH	EPA 6010C
Dissolved Manganese	**106**	ug/L	1.6	5.3	1			1/15/2016 15:45	NAH	EPA 6010C
Organic Results										
TPH as Mineral Spirits	**59**	ug/L	27 *	89	1		1/18/2016 14:00	1/19/2016 20:35	SRT	EPA 8015

CT LAB Sample#: 680510 Sample Description: W28 Sampled: 1/12/2016 1505

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	**16**	mg/L	1.0	3.4	1			1/14/2016 21:48	JJF	EPA 9056A
Total Organic Carbon	**1.3**	mg/L	0.40 *	1.4	1			1/19/2016 13:20	JJF	EPA 9060A
Metals Results										
Dissolved Iron	<10	ug/L	10	32	1			1/15/2016 15:50	NAH	EPA 6010C
Dissolved Manganese	<1.6	ug/L	1.6	5.3	1			1/15/2016 15:50	NAH	EPA 6010C
Organic Results										
TPH as Mineral Spirits	<27	ug/L	27	89	1		1/18/2016 14:00	1/19/2016 21:05	SRT	EPA 8015

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

CT LABORATORIES
delivering more than data from your environmental analyses

TRC ENVIRONMENTAL
Project Name: WAULECO
Project #: 189597.0004
Project Phase:

CT LAB Sample#: 680511 Sample Description: W27 Sampled: 1/13/2016 1500

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	**38**	mg/L	1.0	3.4	1			1/14/2016 22:08	JJF	EPA 9056A
Total Organic Carbon	**18**	mg/L	0.40	1.4	1			1/19/2016 13:31	JJF	EPA 9060A
Metals Results										
Dissolved Iron	**7020**	ug/L	10	32	1			1/15/2016 15:55	NAH	EPA 6010C
Dissolved Manganese	**17800**	ug/L	1.6	5.3	1			1/15/2016 15:55	NAH	EPA 6010C
Organic Results										
TPH as Mineral Spirits	**7000**	ug/L	27	90	1		1/18/2016 14:00	1/19/2016 21:36	SRT	EPA 8015

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

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 RL for TPH Mineral Spirits adjusted to the MDL.

Submitted by: Pat M. Letterer
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	BOD 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

Kansas NELAP ID# E-10368
Kentucky ID# 0023
ISO/IEC 17025-2005 A2LA Cert # 3806.01
North Carolina ID# 674
Wisconsin (WDNR) Chemistry ID# 157066030
Wisconsin (DATCP) Bacteriology ID# 105-289
DoD-ELAP A2LA 3806.01
GA EPD Stipulation ID E871111, Expires Annually
Louisiana ID # 115843
Virginia ID# 7608
Illinois NELAP ID # 002413
Wisconsin (WOSB) ID# WI-5499-WBE
Maryland ID# 344

Rev. 3/2003 **Chain of Custody** **Page ____ of ____**

Company Name: TRC
Project Contact: Bruce Iverson
Telephone: 608-826-3644
Project Name: Wauleco
Project Number: 189597.0004
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

Folder #: 116469
Company: TRC ENVIRONMENTA
Project: WAULECO
Logged By: JLS PM: PM

Ice Present Yes No
Temperature 3.9
Initials [illegible]
Date 1/14/16 Time 10:10
Cooler # XX

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. 91065

Contract No.

Regulatory Program:
UST RCRA SDWA NPDES
Solid Waste Other ________

Turnaround Time
Normal RUSH* Date Needed ____________
*Notify Lab prior to sending in RUSH
Surcharges 24 hr 200% 2-3 days 100% 4-9 days 50%
Surcharges subject to change without notice.

Landfill License Number ____________

Client Special Instructions: Metals are filtered.

Collection Date	Collection Time	Field Screen	Field ID	Grab/ Comp	Sample ID Description	Filt'd Y/N	WDNR Well ID #	**Matrix:	TPH	TOC	Sulfate, Nitrate	Diss. Mn, Fe	Phenols (8270)				Total No of Containers	Total No of Cont. Rec'd	Preservation*	Lab ID #
1/13/16	1250			G	W8	N		GW	1	1	1	1	2				6			680502
↓	1340			↓	W26	↓		↓	↓	↓	↓	↓	↓				↓			680503
↓	1415			↓	W22	↓		↓	↓	↓	↓	↓	↓				↓			680504
									A	C	A	D		←						

Fill in Spaces with Bottles per Test

Relinquished By:	Date/Time	Relinquished By:	Date/Time
T.J. Dushek	1/13/16 1600		
Received by:	**Date/Time**	**Received by:**	**Date/Time**
		[signature]	1/14/16 1017

**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 ________

Rev. 3/2003

Chain of Custody

Page ______ of ______

Company Name: TRC
Project Contact: Bruce Iverson
Telephone: 608-826-3644
Project Name: Wauleco
Project Number: 189597.0004
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

Place Header Sticker Here:
Lab Use Only
116469

Ice Present ~~Yes~~ No
Temperature 1.5
Initials [illegible]
Date 1/14/16 Time 10:10
Cooler # 5529

Invoice To: Accounts Payable
Company: TRC
Address:
City/State/Zip:
PO No. 91065
Contract No.

Regulatory Program:
UST RCRA SDWA NPDES
Solid Waste Other ________

Turnaround Time
Normal RUSH* Date Needed ____________
*Notify Lab prior to sending in RUSH
Surcharges 24 hr 200% 2-3 days 100% 4-9 days 50%
Surcharges subject to change without notice.

Landfill License Number ____________

Client Special Instructions: Metals are filtered.

Collection Date	Collection Time	Field Screen	Field ID	Grab/Comp	Sample ID Description	Filt'd Y/N	WDNR Well ID #	**Matrix:	TPH	TOC	Sulfate	Diss. Mn, Fe					Total No of Containers	Total No of Cont. Rec'd	Preservation*	Lab ID #
1/12/16	0950			G	PW17	N		GW	1	1	1	1					4			680505
↓	1020			↓	FP2	↓		↓	↓	↓	↓	↓					↓			680506
↓	1100			↓	W16	↓		↓	↓	↓	↓	↓					↓			680507
↓	1140			↓	W12	↓		↓	↓	↓	↓	↓					↓			680508
↓	1250			↓	W11	↓		↓	↓	↓	↓	↓					↓			680509
↓	1505			↓	W28	↓		↓	↓	↓	↓	↓					↓			680510
1/13/16	1500			↓	W27	↓		↓	↓	↓	↓	↓					↓			680511
									A	C	A	D								

Fill in Spaces with Bottles per Test

Relinquished By:	Date/Time	Relinquished By:	Date/Time
T.J. Dushek	1/13/16 1600		
Received by:	**Date/Time**	**Received by:**	**Date/Time**
		[signature]	1/14/16 1017

****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 ____________

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REVISED ANALYTICAL REPORT

TRC ENVIRONMENTAL
BRUCE IVERSON
708 HEARTLAND TRAIL
MADISON, WI 53717

Project Name: WAULECO
Project Phase:
Contract #: 2399
Project #: 189597.0004
Folder #: 116521
Purchase Order #: 91065

Arrival Temperature: See COC
Report Date: 1/26/2016
Date Received: 1/15/2016
Reprint Date: 1/28/2016
Revision Date 01/28/2016

CT LAB Sample#: 681472 Sample Description: W10A Sampled: 1/14/2016 0750

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	**11**	mg/L	1.0	3.4	1			1/15/2016 22:43	JJF	EPA 9056A
Total Organic Carbon	**6.3**	mg/L	0.40	1.4	1			1/19/2016 14:54	JJF	EPA 9060A
Metals Results										
Dissolved Iron	**876**	ug/L	10	32	1			1/18/2016 16:43	NAH	EPA 6010C
Dissolved Manganese	**2150**	ug/L	1.6	5.3	1			1/18/2016 16:43	NAH	EPA 6010C
Organic Results										
TPH as Mineral Spirits	**1000**	ug/L	27	90	1		1/18/2016 14:00	1/19/2016 22:07	SRT	EPA 8015

CT LAB Sample#: 681473 Sample Description: W10A DUP Sampled: 1/14/2016 0750

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	**11**	mg/L	1.0	3.4	1			1/15/2016 23:01	JJF	EPA 9056A
Total Organic Carbon	**6.2**	mg/L	0.40	1.4	1			1/19/2016 15:06	JJF	EPA 9060A

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

CT LAB Sample#: 681473 Sample Description: W10A DUP Sampled: 1/14/2016 0750

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Iron	**911**	ug/L	10	32	1			1/18/2016 16:48	NAH	EPA 6010C
Dissolved Manganese	**2150**	ug/L	1.6	5.3	1			1/18/2016 16:48	NAH	EPA 6010C
Organic Results										
TPH as Mineral Spirits	**950**	ug/L	26	88	1		1/18/2016 14:00	1/19/2016 22:38	SRT	EPA 8015

CT LAB Sample#: 681474 Sample Description: W13 Sampled: 1/14/2016 0855

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	**1.0**	mg/L	0.040	0.13	1			1/15/2016 16:47	JJF	EPA 9056A
Total Sulfate	**9.4**	mg/L	1.0	3.4	1			1/15/2016 16:47	JJF	EPA 9056A
Total Organic Carbon	**2.5**	mg/L	0.40	1.4	1			1/19/2016 15:18	JJF	EPA 9060A
Metals Results										
Dissolved Iron	<10	ug/L	10	32	1			1/18/2016 16:52	NAH	EPA 6010C
Dissolved Manganese	**19.4**	ug/L	1.6	5.3	1			1/18/2016 16:52	NAH	EPA 6010C
Organic Results										
TPH as Mineral Spirits	<27	ug/L	27	90	1		1/18/2016 14:00	1/19/2016 23:08	SRT	EPA 8015
2,3,4,6-Tetrachlorophenol	<3.0	ug/L	1.0	3.4	1		1/15/2016 11:00	1/18/2016 19:41	RPN	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	0.51	1.6	1		1/15/2016 11:00	1/18/2016 19:41	RPN	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	0.12	0.41	1		1/15/2016 11:00	1/18/2016 19:41	RPN	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	0.51	1.5	1		1/15/2016 11:00	1/18/2016 19:41	RPN	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	0.18	0.57	1		1/15/2016 11:00	1/18/2016 19:41	RPN	EPA 8270D

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

CT LAB Sample#: 681474 Sample Description: W13 Sampled: 1/14/2016 0855

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,4-Dinitrophenol	<3.0	ug/L	1.5	5.0	1		1/15/2016 11:00	1/18/2016 19:41	RPN	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	0.41	1.1	1		1/15/2016 11:00	1/18/2016 19:41	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	0.12	0.39	1		1/15/2016 11:00	1/18/2016 19:41	RPN	EPA 8270D
2-Methylphenol	<3.0	ug/L	0.41	1.4	1		1/15/2016 11:00	1/18/2016 19:41	RPN	EPA 8270D
2-Nitrophenol	<3.0	ug/L	0.29	0.91	1		1/15/2016 11:00	1/18/2016 19:41	RPN	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	0.41	1.3	1		1/15/2016 11:00	1/18/2016 19:41	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	0.61	1.8	1		1/15/2016 11:00	1/18/2016 19:41	RPN	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	0.28	0.90	1		1/15/2016 11:00	1/18/2016 19:41	RPN	EPA 8270D
4-Nitrophenol	<3.0	ug/L	0.61	1.9	1		1/15/2016 11:00	1/18/2016 19:41	RPN	EPA 8270D
Pentachlorophenol	<3.0	ug/L	0.61	1.8	1		1/15/2016 11:00	1/18/2016 19:41	RPN	EPA 8270D
Phenol	<3.0	ug/L	0.13	0.43	1		1/15/2016 11:00	1/18/2016 19:41	RPN	EPA 8270D

CT LAB Sample#: 681479 Sample Description: W17 Sampled: 1/14/2016 1005

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	<0.040	mg/L	0.040	0.13	1			1/15/2016 17:06	JJF	EPA 9056A
Total Sulfate	**2.2**	mg/L	1.0 *	3.4	1			1/15/2016 17:06	JJF	EPA 9056A
Total Organic Carbon	**7.0**	mg/L	0.40	1.4	1			1/19/2016 15:30	JJF	EPA 9060A
Metals Results										
Dissolved Iron	**305**	ug/L	10	32	1			1/18/2016 16:56	NAH	EPA 6010C
Dissolved Manganese	**467**	ug/L	1.6	5.3	1			1/18/2016 16:56	NAH	EPA 6010C
Organic Results										
TPH as Mineral Spirits	**1500**	ug/L	27	89	1		1/18/2016 14:00	1/19/2016 23:39	SRT	EPA 8015

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

CT LAB Sample#: 681479 Sample Description: W17 Sampled: 1/14/2016 1005

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,3,4,6-Tetrachlorophenol	<10	ug/L	10	34	10		1/15/2016 11:00	1/18/2016 22:39	RPN	EPA 8270D
2,4,5-Trichlorophenol	<5.2	ug/L	5.2	16	10		1/15/2016 11:00	1/18/2016 22:39	RPN	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	1.2	4.1	10		1/15/2016 11:00	1/18/2016 22:39	RPN	EPA 8270D
2,4-Dichlorophenol	<5.2	ug/L	5.2	15	10		1/15/2016 11:00	1/18/2016 22:39	RPN	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	1.9	5.8	10		1/15/2016 11:00	1/18/2016 22:39	RPN	EPA 8270D
2,4-Dinitrophenol	<15	ug/L	15	51	10		1/15/2016 11:00	1/18/2016 22:39	RPN	EPA 8270D
2,6-Dichlorophenol	<4.1	ug/L	4.1	11	10		1/15/2016 11:00	1/18/2016 22:39	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	1.2	3.9	10		1/15/2016 11:00	1/18/2016 22:39	RPN	EPA 8270D
2-Methylphenol	<4.1	ug/L	4.1	14	10		1/15/2016 11:00	1/18/2016 22:39	RPN	EPA 8270D
2-Nitrophenol	<3.0	ug/L	2.9	9.2	10		1/15/2016 11:00	1/18/2016 22:39	RPN	EPA 8270D
3 & 4-Methylphenol	<4.1	ug/L	4.1	13	10		1/15/2016 11:00	1/18/2016 22:39	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<6.2	ug/L	6.2	19	10		1/15/2016 11:00	1/18/2016 22:39	RPN	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	2.8	9.1	10		1/15/2016 11:00	1/18/2016 22:39	RPN	EPA 8270D
4-Nitrophenol	<6.2	ug/L	6.2	20	10		1/15/2016 11:00	1/18/2016 22:39	RPN	EPA 8270D
Pentachlorophenol	**110**	ug/L	6.2	19	10		1/15/2016 11:00	1/18/2016 22:39	RPN	EPA 8270D
Phenol	<3.0	ug/L	1.3	4.3	10		1/15/2016 11:00	1/18/2016 22:39	RPN	EPA 8270D

CT LAB Sample#: 681480 Sample Description: W17 DUP Sampled: 1/14/2016 1005

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	<0.040	mg/L	0.040	0.13	1			1/15/2016 19:17	JJF	EPA 9056A
Total Sulfate	**2.5**	mg/L	1.0 *	3.4	1			1/15/2016 19:17	JJF	EPA 9056A
Total Organic Carbon	**7.1**	mg/L	0.40	1.4	1			1/19/2016 15:44	JJF	EPA 9060A

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

CT LAB Sample#: 681480 Sample Description: W17 DUP Sampled: 1/14/2016 1005

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Iron	**599**	ug/L	10	32	1			1/18/2016 17:00	NAH	EPA 6010C
Dissolved Manganese	**827**	ug/L	1.6	5.3	1			1/18/2016 17:00	NAH	EPA 6010C
Organic Results										
TPH as Mineral Spirits	**3400**	ug/L	27	89	1		1/18/2016 14:00	1/20/2016 00:09	SRT	EPA 8015
2,3,4,6-Tetrachlorophenol	<10	ug/L	10	34	10		1/15/2016 11:00	1/18/2016 23:01	RPN	EPA 8270D
2,4,5-Trichlorophenol	<5.2	ug/L	5.2	16	10		1/15/2016 11:00	1/18/2016 23:01	RPN	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	1.2	4.1	10		1/15/2016 11:00	1/18/2016 23:01	RPN	EPA 8270D
2,4-Dichlorophenol	<5.2	ug/L	5.2	15	10		1/15/2016 11:00	1/18/2016 23:01	RPN	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	1.9	5.8	10		1/15/2016 11:00	1/18/2016 23:01	RPN	EPA 8270D
2,4-Dinitrophenol	<15	ug/L	15	51	10		1/15/2016 11:00	1/18/2016 23:01	RPN	EPA 8270D
2,6-Dichlorophenol	<4.1	ug/L	4.1	11	10		1/15/2016 11:00	1/18/2016 23:01	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	1.2	3.9	10		1/15/2016 11:00	1/18/2016 23:01	RPN	EPA 8270D
2-Methylphenol	<4.1	ug/L	4.1	14	10		1/15/2016 11:00	1/18/2016 23:01	RPN	EPA 8270D
2-Nitrophenol	<3.0	ug/L	2.9	9.2	10		1/15/2016 11:00	1/18/2016 23:01	RPN	EPA 8270D
3 & 4-Methylphenol	<4.1	ug/L	4.1	13	10		1/15/2016 11:00	1/18/2016 23:01	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<6.2	ug/L	6.2	19	10		1/15/2016 11:00	1/18/2016 23:01	RPN	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	2.8	9.1	10		1/15/2016 11:00	1/18/2016 23:01	RPN	EPA 8270D
4-Nitrophenol	<6.2	ug/L	6.2	20	10		1/15/2016 11:00	1/18/2016 23:01	RPN	EPA 8270D
Pentachlorophenol	**120**	ug/L	6.2	19	10		1/15/2016 11:00	1/18/2016 23:01	RPN	EPA 8270D
Phenol	<3.0	ug/L	1.3	4.3	10		1/15/2016 11:00	1/18/2016 23:01	RPN	EPA 8270D

CT LABORATORIES

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TRC ENVIRONMENTAL
Project Name: WAULECO
Project #: 189597.0004
Project Phase:

Contract #: 2399
Folder #: 116521

CT LAB Sample#: 681481 Sample Description: W33 Sampled: 1/14/2016 1340

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	**0.10**	mg/L	0.040 *	0.13	1			1/15/2016 19:36	JJF	EPA 9056A
Total Sulfate	**17**	mg/L	1.0	3.4	1			1/15/2016 19:36	JJF	EPA 9056A
Total Organic Carbon	**6.7**	mg/L	0.40	1.4	1			1/19/2016 15:59	JJF	EPA 9060A
Metals Results										
Dissolved Iron	**1680**	ug/L	10	32	1			1/18/2016 17:04	NAH	EPA 6010C
Dissolved Manganese	**1430**	ug/L	1.6	5.3	1			1/18/2016 17:04	NAH	EPA 6010C
Organic Results										
TPH as Mineral Spirits	**12000**	ug/L	130	450	5		1/18/2016 14:00	1/20/2016 12:12	SRT	EPA 8015
2,3,4,6-Tetrachlorophenol	**660**	ug/L	210 *	700	200		1/15/2016 11:00	1/18/2016 23:23	RPN	EPA 8270D
2,4,5-Trichlorophenol	<110	ug/L	110	340	200		1/15/2016 11:00	1/18/2016 23:23	RPN	EPA 8270D
2,4,6-Trichlorophenol	<26	ug/L	26	85	200		1/15/2016 11:00	1/18/2016 23:23	RPN	EPA 8270D
2,4-Dichlorophenol	<110	ug/L	110	320	200		1/15/2016 11:00	1/18/2016 23:23	RPN	EPA 8270D
2,4-Dimethylphenol	<38	ug/L	38	120	200		1/15/2016 11:00	1/18/2016 23:23	RPN	EPA 8270D
2,4-Dinitrophenol	<320	ug/L	320	1000	200		1/15/2016 11:00	1/18/2016 23:23	RPN	EPA 8270D
2,6-Dichlorophenol	<85	ug/L	85	230	200		1/15/2016 11:00	1/18/2016 23:23	RPN	EPA 8270D
2-Chlorophenol	<26	ug/L	26	81	200		1/15/2016 11:00	1/18/2016 23:23	RPN	EPA 8270D
2-Methylphenol	<85	ug/L	85	300	200		1/15/2016 11:00	1/18/2016 23:23	RPN	EPA 8270D
2-Nitrophenol	<60	ug/L	60	190	200		1/15/2016 11:00	1/18/2016 23:23	RPN	EPA 8270D
3 & 4-Methylphenol	<85	ug/L	85	280	200		1/15/2016 11:00	1/18/2016 23:23	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<130	ug/L	130	380	200		1/15/2016 11:00	1/18/2016 23:23	RPN	EPA 8270D
4-Chloro-3-methylphenol	<57	ug/L	57	190	200		1/15/2016 11:00	1/18/2016 23:23	RPN	EPA 8270D
4-Nitrophenol	<130	ug/L	130	400	200		1/15/2016 11:00	1/18/2016 23:23	RPN	EPA 8270D
Pentachlorophenol	**4200**	ug/L	130	380	200		1/15/2016 11:00	1/18/2016 23:23	RPN	EPA 8270D

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

CT LAB Sample#: 681481 Sample Description: W33 Sampled: 1/14/2016 1340

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Phenol	<28	ug/L	28	89	200		1/15/2016 11:00	1/18/2016 23:23	RPN	EPA 8270D

CT LAB Sample#: 681482 Sample Description: BLANK 01 Sampled: 1/14/2016 1430

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	<0.040	mg/L	0.040	0.13	1			1/15/2016 19:54	JJF	EPA 9056A
Total Sulfate	<1.0	mg/L	1.0	3.4	1			1/15/2016 19:54	JJF	EPA 9056A
Total Organic Carbon	**1.0**	mg/L	0.40 *	1.4	1			1/19/2016 16:11	JJF	EPA 9060A
Metals Results										
Dissolved Iron	<10	ug/L	10	32	1			1/18/2016 17:09	NAH	EPA 6010C
Dissolved Manganese	<1.6	ug/L	1.6	5.3	1			1/18/2016 17:09	NAH	EPA 6010C
Organic Results										
TPH as Mineral Spirits	**27**	ug/L	27 *	90	1		1/18/2016 14:00	1/20/2016 02:12	SRT	EPA 8015
2,3,4,6-Tetrachlorophenol	<3.0	ug/L	1.0	3.3	1		1/15/2016 11:00	1/18/2016 20:03	RPN	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	0.51	1.6	1		1/15/2016 11:00	1/18/2016 20:03	RPN	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	0.12	0.40	1		1/15/2016 11:00	1/18/2016 20:03	RPN	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	0.51	1.5	1		1/15/2016 11:00	1/18/2016 20:03	RPN	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	0.18	0.57	1		1/15/2016 11:00	1/18/2016 20:03	RPN	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	1.5	4.9	1		1/15/2016 11:00	1/18/2016 20:03	RPN	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	0.40	1.1	1		1/15/2016 11:00	1/18/2016 20:03	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	0.12	0.38	1		1/15/2016 11:00	1/18/2016 20:03	RPN	EPA 8270D
2-Methylphenol	<3.0	ug/L	0.40	1.4	1		1/15/2016 11:00	1/18/2016 20:03	RPN	EPA 8270D

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

CT LAB Sample#: 681482 Sample Description: BLANK 01 Sampled: 1/14/2016 1430

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2-Nitrophenol	<3.0	ug/L	0.28	0.90	1		1/15/2016 11:00	1/18/2016 20:03	RPN	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	0.40	1.3	1		1/15/2016 11:00	1/18/2016 20:03	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	0.61	1.8	1		1/15/2016 11:00	1/18/2016 20:03	RPN	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	0.27	0.89	1		1/15/2016 11:00	1/18/2016 20:03	RPN	EPA 8270D
4-Nitrophenol	<3.0	ug/L	0.61	1.9	1		1/15/2016 11:00	1/18/2016 20:03	RPN	EPA 8270D
Pentachlorophenol	<3.0	ug/L	0.61	1.8	1		1/15/2016 11:00	1/18/2016 20:03	RPN	EPA 8270D
Phenol	<3.0	ug/L	0.13	0.42	1		1/15/2016 11:00	1/18/2016 20:03	RPN	EPA 8270D

CT LAB Sample#: 681483 Sample Description: W25 Sampled: 1/14/2016 1040

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	**6.0**	mg/L	0.040	0.13	1			1/15/2016 20:13	JJF	EPA 9056A
Organic Results										
2,3,4,6-Tetrachlorophenol	<3.0	ug/L	1.0	3.4	1		1/15/2016 11:00	1/18/2016 20:25	RPN	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	0.52	1.6	1		1/15/2016 11:00	1/18/2016 20:25	RPN	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	0.12	0.41	1		1/15/2016 11:00	1/18/2016 20:25	RPN	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	0.52	1.5	1		1/15/2016 11:00	1/18/2016 20:25	RPN	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	0.19	0.58	1		1/15/2016 11:00	1/18/2016 20:25	RPN	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	1.5	5.1	1		1/15/2016 11:00	1/18/2016 20:25	RPN	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	0.41	1.1	1		1/15/2016 11:00	1/18/2016 20:25	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	0.12	0.39	1		1/15/2016 11:00	1/18/2016 20:25	RPN	EPA 8270D
2-Methylphenol	<3.0	ug/L	0.41	1.4	1		1/15/2016 11:00	1/18/2016 20:25	RPN	EPA 8270D
2-Nitrophenol	<3.0	ug/L	0.29	0.92	1		1/15/2016 11:00	1/18/2016 20:25	RPN	EPA 8270D

CT LAB Sample#: 681483 Sample Description: W25 Sampled: 1/14/2016 1040

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
3 & 4-Methylphenol	<3.0	ug/L	0.41	1.3	1		1/15/2016 11:00	1/18/2016 20:25	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	0.62	1.9	1		1/15/2016 11:00	1/18/2016 20:25	RPN	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	0.28	0.91	1		1/15/2016 11:00	1/18/2016 20:25	RPN	EPA 8270D
4-Nitrophenol	<3.0	ug/L	0.62	2.0	1		1/15/2016 11:00	1/18/2016 20:25	RPN	EPA 8270D
Pentachlorophenol	**4.9**	ug/L	0.62	1.9	1		1/15/2016 11:00	1/18/2016 20:25	RPN	EPA 8270D
Phenol	<3.0	ug/L	0.13	0.43	1		1/15/2016 11:00	1/18/2016 20:25	RPN	EPA 8270D

CT LAB Sample#: 681484 Sample Description: W19 Sampled: 1/14/2016 1115

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	**3.1**	mg/L	0.040	0.13	1			1/15/2016 20:32	JJF	EPA 9056A
Organic Results										
2,3,4,6-Tetrachlorophenol	**72**	ug/L	10	34	10		1/15/2016 11:00	1/18/2016 23:46	RPN	EPA 8270D
2,4,5-Trichlorophenol	<5.1	ug/L	5.1	16	10		1/15/2016 11:00	1/18/2016 23:46	RPN	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	1.2	4.1	10		1/15/2016 11:00	1/18/2016 23:46	RPN	EPA 8270D
2,4-Dichlorophenol	<5.1	ug/L	5.1	15	10		1/15/2016 11:00	1/18/2016 23:46	RPN	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	1.8	5.7	10		1/15/2016 11:00	1/18/2016 23:46	RPN	EPA 8270D
2,4-Dinitrophenol	<15	ug/L	15	50	10		1/15/2016 11:00	1/18/2016 23:46	RPN	EPA 8270D
2,6-Dichlorophenol	<4.1	ug/L	4.1	11	10		1/15/2016 11:00	1/18/2016 23:46	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	1.2	3.9	10		1/15/2016 11:00	1/18/2016 23:46	RPN	EPA 8270D
2-Methylphenol	<4.1	ug/L	4.1	14	10		1/15/2016 11:00	1/18/2016 23:46	RPN	EPA 8270D
2-Nitrophenol	<3.0	ug/L	2.9	9.1	10		1/15/2016 11:00	1/18/2016 23:46	RPN	EPA 8270D
3 & 4-Methylphenol	<4.1	ug/L	4.1	13	10		1/15/2016 11:00	1/18/2016 23:46	RPN	EPA 8270D

CT LAB Sample#: 681484 Sample Description: W19 Sampled: 1/14/2016 1115

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
4,6-Dinitro-2-methylphenol	<6.1	ug/L	6.1	18	10		1/15/2016 11:00	1/18/2016 23:46	RPN	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	2.8	9.0	10		1/15/2016 11:00	1/18/2016 23:46	RPN	EPA 8270D
4-Nitrophenol	<6.1	ug/L	6.1	19	10		1/15/2016 11:00	1/18/2016 23:46	RPN	EPA 8270D
Pentachlorophenol	**610**	ug/L	12	37	20		1/15/2016 11:00	1/20/2016 15:45	RPN	EPA 8270D
Phenol	<3.0	ug/L	1.3	4.3	10		1/15/2016 11:00	1/18/2016 23:46	RPN	EPA 8270D

CT LAB Sample#: 681485 Sample Description: W41 Sampled: 1/14/2016 1150

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	**0.27**	mg/L	0.040	0.13	1			1/15/2016 20:50	JJF	EPA 9056A
Organic Results										
2,3,4,6-Tetrachlorophenol	**260**	ug/L	210 *	680	200		1/15/2016 11:00	1/19/2016 00:08	RPN	EPA 8270D
2,4,5-Trichlorophenol	<100	ug/L	100	330	200		1/15/2016 11:00	1/19/2016 00:08	RPN	EPA 8270D
2,4,6-Trichlorophenol	<25	ug/L	25	82	200		1/15/2016 11:00	1/19/2016 00:08	RPN	EPA 8270D
2,4-Dichlorophenol	<100	ug/L	100	310	200		1/15/2016 11:00	1/19/2016 00:08	RPN	EPA 8270D
2,4-Dimethylphenol	<37	ug/L	37	120	200		1/15/2016 11:00	1/19/2016 00:08	RPN	EPA 8270D
2,4-Dinitrophenol	<310	ug/L	310	1000	200		1/15/2016 11:00	1/19/2016 00:08	RPN	EPA 8270D
2,6-Dichlorophenol	<82	ug/L	82	230	200		1/15/2016 11:00	1/19/2016 00:08	RPN	EPA 8270D
2-Chlorophenol	<25	ug/L	25	78	200		1/15/2016 11:00	1/19/2016 00:08	RPN	EPA 8270D
2-Methylphenol	<82	ug/L	82	290	200		1/15/2016 11:00	1/19/2016 00:08	RPN	EPA 8270D
2-Nitrophenol	<58	ug/L	58	180	200		1/15/2016 11:00	1/19/2016 00:08	RPN	EPA 8270D
3 & 4-Methylphenol	<82	ug/L	82	270	200		1/15/2016 11:00	1/19/2016 00:08	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<120	ug/L	120	370	200		1/15/2016 11:00	1/19/2016 00:08	RPN	EPA 8270D

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

CT LAB Sample#: 681485 Sample Description: W41 Sampled: 1/14/2016 1150

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
4-Chloro-3-methylphenol	<56	ug/L	56	180	200		1/15/2016 11:00	1/19/2016 00:08	RPN	EPA 8270D
4-Nitrophenol	<120	ug/L	120	390	200		1/15/2016 11:00	1/19/2016 00:08	RPN	EPA 8270D
Pentachlorophenol	**5200**	ug/L	120	370	200		1/15/2016 11:00	1/19/2016 00:08	RPN	EPA 8270D
Phenol	<27	ug/L	27	87	200		1/15/2016 11:00	1/19/2016 00:08	RPN	EPA 8270D

CT LAB Sample#: 681486 Sample Description: W39 Sampled: 1/14/2016 1300

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	**0.23**	mg/L	0.040	0.13	1			1/15/2016 21:09	JJF	EPA 9056A
Organic Results										
2,3,4,6-Tetrachlorophenol	<100	ug/L	100	340	100		1/15/2016 11:00	1/19/2016 00:30	RPN	EPA 8270D
2,4,5-Trichlorophenol	<52	ug/L	52	160	100		1/15/2016 11:00	1/19/2016 00:30	RPN	EPA 8270D
2,4,6-Trichlorophenol	<12	ug/L	12	41	100		1/15/2016 11:00	1/19/2016 00:30	RPN	EPA 8270D
2,4-Dichlorophenol	<52	ug/L	52	150	100		1/15/2016 11:00	1/19/2016 00:30	RPN	EPA 8270D
2,4-Dimethylphenol	<19	ug/L	19	58	100		1/15/2016 11:00	1/19/2016 00:30	RPN	EPA 8270D
2,4-Dinitrophenol	<150	ug/L	150	510	100		1/15/2016 11:00	1/19/2016 00:30	RPN	EPA 8270D
2,6-Dichlorophenol	<41	ug/L	41	110	100		1/15/2016 11:00	1/19/2016 00:30	RPN	EPA 8270D
2-Chlorophenol	<12	ug/L	12	39	100		1/15/2016 11:00	1/19/2016 00:30	RPN	EPA 8270D
2-Methylphenol	<41	ug/L	41	140	100		1/15/2016 11:00	1/19/2016 00:30	RPN	EPA 8270D
2-Nitrophenol	<29	ug/L	29	92	100		1/15/2016 11:00	1/19/2016 00:30	RPN	EPA 8270D
3 & 4-Methylphenol	<41	ug/L	41	130	100		1/15/2016 11:00	1/19/2016 00:30	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<62	ug/L	62	190	100		1/15/2016 11:00	1/19/2016 00:30	RPN	EPA 8270D
4-Chloro-3-methylphenol	<28	ug/L	28	91	100		1/15/2016 11:00	1/19/2016 00:30	RPN	EPA 8270D

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

CT LABORATORIES
delivering more than data from your environmental analyses

TRC ENVIRONMENTAL
Project Name: WAULECO
Project #: 189597.0004
Project Phase:

Contract #: 2399
Folder #: 116521

CT LAB Sample#: 681486 Sample Description: W39 Sampled: 1/14/2016 1300

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
4-Nitrophenol	<62	ug/L	62	200	100		1/15/2016 11:00	1/19/2016 00:30	RPN	EPA 8270D
Pentachlorophenol	**1600**	ug/L	62	190	100		1/15/2016 11:00	1/19/2016 00:30	RPN	EPA 8270D
Phenol	<13	ug/L	13	43	100		1/15/2016 11:00	1/19/2016 00:30	RPN	EPA 8270D

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

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 RL for TPH Mineral Spirits adjusted to the MDL.

Submitted by: Pat M. Letterer
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	BOD 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

Kansas NELAP ID# E-10368
Kentucky ID# 0023
ISO/IEC 17025-2005 A2LA Cert # 3806.01
North Carolina ID# 674
Wisconsin (WDNR) Chemistry ID# 157066030
Wisconsin (DATCP) Bacteriology ID# 105-289
DoD-ELAP A2LA 3806.01
GA EPD Stipulation ID E871111, Expires Annually
Louisiana ID # 115843
Virginia ID# 7608
Illinois NELAP ID # 002413
Wisconsin (WOSB) ID# WI-5499-WBE
Maryland ID# 344

Rev. 3/2003

Chain of Custody

Page ______ of ______

CTLaboratories

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Company Name: TRC
Project Contact: Bruce Iverson
Telephone: 608-826-3644
Project Name: Wauleco
Project Number: 189597.0004
Project Location: Wausau, WI
Sampled By: Tom Dushek

Folder #: 116521
Company: TRC ENVIRONMENTA
Project: WAULECO
Logged By: JLS PM: PM

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. 91065

Contract No.

Ice Present Yes No
Temperature 24.3
Initials jls
Date 1/15/16 Time 1205
Cooler #5432, 5705, xxx

Regulatory Program:
UST RCRA SDWA NPDES
Solid Waste Other ______

Turnaround Time
Normal RUSH* Date Needed ______
*Notify Lab prior to sending in RUSH
Surcharges 24 hr 200% 2-3 days 100% 4-9 days 50%
Surcharges subject to change without notice.

Landfill License Number ______

Client Special Instructions: Metals are filtered.

Collection Date	Collection Time	Field Screen	Field ID	Grab/ Comp	Sample ID Description	Filt'd Y/N	WDNR Well ID #	**Matrix:	TPH	TOC	Sulfate	Diss. Mn, Fe				Total No of Containers	Total No of Cont. Rec'd	Preservation*	Lab ID #
1/14/16	0750			G	W10A	N		GW	1	1	1	1				4			681472
↓	0750			↓	W10A Dup	↓			1	1	1	1				4			681473
									A	C	A	D							

Fill in Spaces with Bottles per Test

Relinquished By:	Date/Time	Relinquished By:	Date/Time
T.J. Dushek	1/14/16 1600		
Received by:	**Date/Time**	**Received by:**	**Date/Time**
		jls	1/15/16 1235

**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 ______

Rev. 3/2003 **Chain of Custody** Page ______ of ______

Company Name: TRC
Project Contact: Bruce Iverson
Telephone: 608-826-3644
Project Name: Wauleco
Project Number: 189597.0004
Project Location: Wausau, WI
Sampled By: Tom Dushek

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Place Header Sticker Here:
Lab Use Only
116521

Ice Present Yes No
Temperature <4.3
Initials JS
Date 1/15/16 Time 1265
Cooler # 5432, 5705, xxx

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. 91065
Contract No.

Regulatory Program:
UST RCRA SDWA NPDES
Solid Waste Other ________

Turnaround Time
Normal RUSH* Date Needed ________
*Notify Lab prior to sending in RUSH
Surcharges 24 hr 200% 2-3 days 100% 4-9 days 50%
Surcharges subject to change without notice.

Landfill License Number ________

Client Special Instructions:
Metals are filtered.

Collection Date	Collection Time	Field Screen	Field ID	Grab/Comp	Sample ID Description	Filt'd Y/N	WDNR Well ID #	**Matrix:	TPH	TOC	Sulfate, Nitrate	Diss. Mn, Fe	Phenols (8270)			Total No of Containers	Total No of Cont. Rec'd	Preservation*	Lab ID #
1/14/16	0855			G	W13	N		GW	1	1	1	1	2			6			681474
	1005				W17														681479
	1005				W17 Dup														681480
	1340				W33														681481
	1430				Blank 01								1			5			681482
									A	C	A	D	A						

Fill in Spaces with Bottles per Test

Relinquished By:	Date/Time	Relinquished By:	Date/Time
T.J. Dushek	1/14/16 1600		
Received by:	**Date/Time**	**Received by:**	**Date/Time**
		JS	1/15/16 1235

****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 ________

Rev. 3/2003

Chain of Custody

Page ______ of ______

Company Name: TRC
Project Contact: Bruce Iverson
Telephone: 608-826-3644
Project Name: Wauleco
Project Number: 189597.0004
Project Location: Wausau, WI
Sampled By: Tom Dushek

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Place Header Sticker Here:
Lab Use Only
116521

Ice Present (Yes) No
Temperature <4.3
Initials yts
Date 1/15/16 Time 1205
Cooler # 5432, 5705, xxx

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. 91065

Contract No.

Regulatory Program:
UST RCRA SDWA NPDES
Solid Waste Other ________

Turnaround Time
(Normal) RUSH* Date Needed ______________
*Notify Lab prior to sending in RUSH
Surcharges 24 hr 200% 2-3 days 100% 4-9 days 50%
Surcharges subject to change without notice.

Landfill License Number ______________

Client Special Instructions:

Fill in Spaces with Bottles per Test

Collection Date	Collection Time	Field Screen	Field ID	Grab/Comp	Sample ID Description	Filt'd Y/N	WDNR Well ID #	**Matrix:	Phenols (8270)	Nitrate							Total No of Containers	Total No of Cont. Rec'd	Preservation*	Lab ID #
1/14/16	1040			G	W25	N		GW	2	1							3			681483
↓	1115			↓	W19	↓		↓	↓	↓							↓			681484
↓	1150			↓	W41	↓		↓	↓	↓							↓			681485
↓	1300			↓	W39	↓		↓	↓	↓							↓			681486
									A	A										

Relinquished By:	Date/Time	Relinquished By:	Date/Time
T.J. Dushek	1/14/16 1600		
Received by:	**Date/Time**	**Received by:**	**Date/Time**
		[signature]	1/15/16 1235

**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 ____________

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ANALYTICAL REPORT

TRC ENVIRONMENTAL
BRUCE IVERSON
708 HEARTLAND TRAIL
MADISON, WI 53717

Project Name: WAULECO
Project Phase:
Contract #: 2399
Project #: 189597.0004
Folder #: 116562
Purchase Order #: 39193

Arrival Temperature: See COC
Report Date: 1/25/2016
Date Received: 1/20/2016
Reprint Date: 1/26/2016

CT LAB Sample#: 682652 Sample Description: W71 Sampled: 1/15/2016 1045

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
Pentachlorophenol	<3.0	ug/L	0.62	1.9	1		1/21/2016 09:00	1/21/2016 16:13	RPN	EPA 8270D

CT LAB Sample#: 682653 Sample Description: W72 Sampled: 1/15/2016 1130

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
Pentachlorophenol	<3.0	ug/L	0.61	1.8	1		1/21/2016 09:00	1/21/2016 17:18	RPN	EPA 8270D

CT LAB Sample#: 682654 Sample Description: W74 Sampled: 1/15/2016 1210

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
Pentachlorophenol	<3.0	ug/L	0.61	1.8	1		1/21/2016 09:00	1/21/2016 17:40	RPN	EPA 8270D

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

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TRC ENVIRONMENTAL
Project Name: WAULECO
Project #: 189597.0004
Project Phase:

Contract #: 2399
Folder #: 116562

CT LAB Sample#: 682655 Sample Description: W73 Sampled: 1/15/2016 1335

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
Pentachlorophenol	<3.0	ug/L	0.62	1.9	1		1/21/2016 09:00	1/21/2016 18:02	RPN	EPA 8270D

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

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: Pat M. Letterer
Project Manager
608-356-2760

Current CT Laboratories Certifications

Kansas NELAP ID# E-10368
Kentucky ID# 0023
ISO/IEC 17025-2005 A2LA Cert # 3806.01
North Carolina ID# 674
Wisconsin (WDNR) Chemistry ID# 157066030
Wisconsin (DATCP) Bacteriology ID# 105-289
DoD-ELAP A2LA 3806.01
GA EPD Stipulation ID E871111, Expires Annually
Louisiana ID # 115843
Virginia ID# 7608
Illinois NELAP ID # 002413
Wisconsin (WOSB) ID# WI-5499-WBE
Maryland ID# 344

Rev. 3/2003

Chain of Custody

Page ______ of ______

Company Name: TRC
Project Contact: Bruce Iverson
Telephone:
Project Name: Wauleco
Project Number: 189597.0004
Project Location: Wausau, WI
Sampled By: Tom Dushek

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Folder #: 116562
Company: TRC ENVIRONMENTA
Project: WAULECO
Logged By: JLS PM: PM

Ice Present Yes No
Temperature 3.1, 2.9
Initials
Date 1/20/16 Time 1030
Cooler # 5262, 5320

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. 91065
Contract No.

Regulatory Program:
UST RCRA SDWA NPDES
Solid Waste Other ________

Turnaround Time
Normal RUSH* Date Needed ____________
*Notify Lab prior to sending in RUSH
Surcharges 24 hr 200% 2-3 days 100% 4-9 days 50%
Surcharges subject to change without notice.

Landfill License Number ____________

Client Special Instructions: PCP only

Collection Date	Collection Time	Field Screen	Field ID	Grab/Comp	Sample ID Description	Filt'd Y/N	WDNR Well ID #	**Matrix:	Pentachlorophenol (8270)								Total No of Containers	Total No of Cont. Rec'd	Preservation*	Lab ID #
1/15/16	1045			G	W71	N		GW	2								2			682652
↓	1130			↓	W72	↓		↓	↓								↓			682653
↓	1210			↓	W74	↓		↓	↓								↓			682654
↓	1335			↓	W73	↓		↓	↓								↓			682655
									A											

Fill in Spaces with Bottles per Test

Relinquished By:	Date/Time	Relinquished By:	Date/Time
T.J. Dushek	1/19/16 1600		
Received by:	Date/Time	Received by:	Date/Time
			1/20/16 1113

**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 ________

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ANALYTICAL REPORT

TRC ENVIRONMENTAL
BRUCE IVERSON
708 HEARTLAND TRAIL
MADISON, WI 53717

Project Name: WAULECO
Project Phase:
Contract #: 2399
Project #: 189597.0004
Folder #: 116563
Purchase Order #: 39193

Arrival Temperature: See COC
Report Date: 1/25/2016
Date Received: 1/20/2016
Reprint Date: 1/26/2016

CT LAB Sample#: 682656 Sample Description: DFOMW5 Sampled: 1/15/2016 0815

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
Pentachlorophenol	<3.0	ug/L	0.63	1.9	1		1/21/2016 09:00	1/21/2016 18:24	RPN	EPA 8270D

CT LAB Sample#: 682657 Sample Description: DFOMW11 Sampled: 1/15/2016 0850

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
Pentachlorophenol	**3100**	ug/L	61	180	100		1/21/2016 09:00	1/21/2016 18:46	RPN	EPA 8270D

CT LAB Sample#: 682658 Sample Description: DFOMW12 Sampled: 1/19/2016 1350

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
Pentachlorophenol	**5900**	ug/L	160	490	250		1/21/2016 09:00	1/21/2016 19:08	RPN	EPA 8270D

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

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:

Pat M. Letterer
Project Manager
608-356-2760

Current CT Laboratories Certifications

Kansas NELAP ID# E-10368
Kentucky ID# 0023
ISO/IEC 17025-2005 A2LA Cert # 3806.01
North Carolina ID# 674
Wisconsin (WDNR) Chemistry ID# 157066030
Wisconsin (DATCP) Bacteriology ID# 105-289
DoD-ELAP A2LA 3806.01
GA EPD Stipulation ID E871111, Expires Annually
Louisiana ID # 115843
Virginia ID# 7608
Illinois NELAP ID # 002413
Wisconsin (WOSB) ID# WI-5499-WBE
Maryland ID# 344

Rev. 3/2003

Chain of Custody

Page ______ of ______

Company Name: TRC
Project Contact: Bruce Iverson
Telephone:
Project Name: Wauleco
Project Number: 189597.0004
Project Location: Wausau, WI
Sampled By: Tom Dushek

CTLaboratories

Folder #: 116563
Company: TRC ENVIRONMENTA
Project: WAULECO
Logged By: JLS PM: PM

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Present Yes No
mperature 3.1, 2.9
itials [illegible]
te 1/20/16 Time 1030
Cooler # 5662, 5320

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. 91065
Contract No.

Regulatory Program:
UST RCRA SDWA NPDES
Solid Waste Other ________

Turnaround Time
Normal RUSH* Date Needed ____________
*Notify Lab prior to sending in RUSH
Surcharges 24 hr 200% 2-3 days 100% 4-9 days 50%
Surcharges subject to change without notice.

Landfill License Number ____________

Client Special Instructions: Seperate Report

Collection Date	Collection Time	Field Screen	Field ID	Grab/Comp	Sample ID Description	Filt'd Y/N	WDNR Well ID #	**Matrix:	(Phenols 8270) PCP only							Total No of Containers	Total No of Cont. Rec'd	Preservation*	Lab ID #
1/15/16	0815			G	DFOMW5	N		GW	2							2		A	682656
↓	0850			↓	DFOMW11	↓		↓	↓							↓		↓	682657
1/19/16	1350			↓	DFOMW12	↓		↓	↓							↓		↓	682658
									A										

Fill in Spaces with Bottles per Test

Relinquished By:	Date/Time	Relinquished By:	Date/Time
T.J. Dushek	1/19/16 1600		
Received by:	**Date/Time**	**Received by:**	**Date/Time**
		[illegible]	1/20/16 1115

**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 ________

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ANALYTICAL REPORT

TRC ENVIRONMENTAL
BRUCE IVERSON
708 HEARTLAND TRAIL
MADISON, WI 53717

Project Name: WAULECO
Project Phase:
Contract #: 2399
Project #: 189597.0004
Folder #: 116564
Purchase Order #: 91065

Arrival Temperature: See COC
Report Date: 02/04/2016
Date Received: 01/20/2016
Reprint Date: 02/04/2016

CT LAB Sample#: 682659 Sample Description: W3A Sampled: 01/19/2016 1035

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	<0.040	mg/L	0.040	0.13	1			01/20/2016 12:52	JJF	EPA 9056A
Organic Results										
2,3,4,6-Tetrachlorophenol	**26**	ug/L	25 *	83	25		01/21/2016 09:00	01/21/2016 19:30	RPN	EPA 8270D
2,4,5-Trichlorophenol	<13	ug/L	13	40	25		01/21/2016 09:00	01/21/2016 19:30	RPN	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	3.0	10	25		01/21/2016 09:00	01/21/2016 19:30	RPN	EPA 8270D
2,4-Dichlorophenol	<13	ug/L	13	38	25		01/21/2016 09:00	01/21/2016 19:30	RPN	EPA 8270D
2,4-Dimethylphenol	<4.5	ug/L	4.5	14	25		01/21/2016 09:00	01/21/2016 19:30	RPN	EPA 8270D
2,4-Dinitrophenol	<38	ug/L	38	120	25		01/21/2016 09:00	01/21/2016 19:30	RPN	EPA 8270D
2,6-Dichlorophenol	<10	ug/L	10	28	25		01/21/2016 09:00	01/21/2016 19:30	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	3.0	9.6	25		01/21/2016 09:00	01/21/2016 19:30	RPN	EPA 8270D
2-Methylphenol	<10	ug/L	10	35	25		01/21/2016 09:00	01/21/2016 19:30	RPN	EPA 8270D
2-Nitrophenol	<7.1	ug/L	7.1	22	25		01/21/2016 09:00	01/21/2016 19:30	RPN	EPA 8270D
3 & 4-Methylphenol	<10	ug/L	10	33	25		01/21/2016 09:00	01/21/2016 19:30	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<15	ug/L	15	45	25		01/21/2016 09:00	01/21/2016 19:30	RPN	EPA 8270D
4-Chloro-3-methylphenol	<6.8	ug/L	6.8	22	25		01/21/2016 09:00	01/21/2016 19:30	RPN	EPA 8270D

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

CT LAB Sample#: 682659 Sample Description: W3A Sampled: 01/19/2016 1035

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
4-Nitrophenol	<15	ug/L	15	48	25		01/21/2016 09:00	01/21/2016 19:30	RPN	EPA 8270D
Pentachlorophenol	**440**	ug/L	15	45	25		01/21/2016 09:00	01/21/2016 19:30	RPN	EPA 8270D
Phenol	<3.3	ug/L	3.3	11	25		01/21/2016 09:00	01/21/2016 19:30	RPN	EPA 8270D

CT LAB Sample#: 682660 Sample Description: W6R Sampled: 01/19/2016 1110

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	**3.4**	mg/L	0.040	0.13	1			01/20/2016 13:10	JJF	EPA 9056A
Organic Results										
2,3,4,6-Tetrachlorophenol	**140**	ug/L	100 *	330	100		01/21/2016 09:00	01/21/2016 19:52	RPN	EPA 8270D
2,4,5-Trichlorophenol	<51	ug/L	51	160	100		01/21/2016 09:00	01/21/2016 19:52	RPN	EPA 8270D
2,4,6-Trichlorophenol	<12	ug/L	12	40	100		01/21/2016 09:00	01/21/2016 19:52	RPN	EPA 8270D
2,4-Dichlorophenol	<51	ug/L	51	150	100		01/21/2016 09:00	01/21/2016 19:52	RPN	EPA 8270D
2,4-Dimethylphenol	<18	ug/L	18	57	100		01/21/2016 09:00	01/21/2016 19:52	RPN	EPA 8270D
2,4-Dinitrophenol	<150	ug/L	150	490	100		01/21/2016 09:00	01/21/2016 19:52	RPN	EPA 8270D
2,6-Dichlorophenol	<40	ug/L	40	110	100		01/21/2016 09:00	01/21/2016 19:52	RPN	EPA 8270D
2-Chlorophenol	<12	ug/L	12	38	100		01/21/2016 09:00	01/21/2016 19:52	RPN	EPA 8270D
2-Methylphenol	<40	ug/L	40	140	100		01/21/2016 09:00	01/21/2016 19:52	RPN	EPA 8270D
2-Nitrophenol	<28	ug/L	28	90	100		01/21/2016 09:00	01/21/2016 19:52	RPN	EPA 8270D
3 & 4-Methylphenol	<40	ug/L	40	130	100		01/21/2016 09:00	01/21/2016 19:52	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<61	ug/L	61	180	100		01/21/2016 09:00	01/21/2016 19:52	RPN	EPA 8270D
4-Chloro-3-methylphenol	<27	ug/L	27	89	100		01/21/2016 09:00	01/21/2016 19:52	RPN	EPA 8270D
4-Nitrophenol	<61	ug/L	61	190	100		01/21/2016 09:00	01/21/2016 19:52	RPN	EPA 8270D

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

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TRC ENVIRONMENTAL
Project Name: WAULECO
Project #: 189597.0004
Project Phase:

Contract #: 2399
Folder #: 116564

CT LAB Sample#: 682660 Sample Description: W6R Sampled: 01/19/2016 1110

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Pentachlorophenol	**1700**	ug/L	61	180	100		01/21/2016 09:00	01/21/2016 19:52	RPN	EPA 8270D
Phenol	<13	ug/L	13	42	100		01/21/2016 09:00	01/21/2016 19:52	RPN	EPA 8270D

CT LAB Sample#: 682661 Sample Description: W6R DUP Sampled: 01/19/2016 1110

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	**3.0**	mg/L	0.040	0.13	1			01/20/2016 13:29	JJF	EPA 9056A
Organic Results										
2,3,4,6-Tetrachlorophenol	**100**	ug/L	100 *	340	100		01/21/2016 09:00	01/21/2016 20:13	RPN	EPA 8270D
2,4,5-Trichlorophenol	<51	ug/L	51	160	100		01/21/2016 09:00	01/21/2016 20:13	RPN	EPA 8270D
2,4,6-Trichlorophenol	<12	ug/L	12	41	100		01/21/2016 09:00	01/21/2016 20:13	RPN	EPA 8270D
2,4-Dichlorophenol	<51	ug/L	51	150	100		01/21/2016 09:00	01/21/2016 20:13	RPN	EPA 8270D
2,4-Dimethylphenol	<18	ug/L	18	57	100		01/21/2016 09:00	01/21/2016 20:13	RPN	EPA 8270D
2,4-Dinitrophenol	<150	ug/L	150	500	100		01/21/2016 09:00	01/21/2016 20:13	RPN	EPA 8270D
2,6-Dichlorophenol	<41	ug/L	41	110	100		01/21/2016 09:00	01/21/2016 20:13	RPN	EPA 8270D
2-Chlorophenol	<12	ug/L	12	39	100		01/21/2016 09:00	01/21/2016 20:13	RPN	EPA 8270D
2-Methylphenol	<41	ug/L	41	140	100		01/21/2016 09:00	01/21/2016 20:13	RPN	EPA 8270D
2-Nitrophenol	<29	ug/L	29	91	100		01/21/2016 09:00	01/21/2016 20:13	RPN	EPA 8270D
3 & 4-Methylphenol	<41	ug/L	41	130	100		01/21/2016 09:00	01/21/2016 20:13	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<61	ug/L	61	180	100		01/21/2016 09:00	01/21/2016 20:13	RPN	EPA 8270D
4-Chloro-3-methylphenol	<28	ug/L	28	90	100		01/21/2016 09:00	01/21/2016 20:13	RPN	EPA 8270D
4-Nitrophenol	<61	ug/L	61	190	100		01/21/2016 09:00	01/21/2016 20:13	RPN	EPA 8270D
Pentachlorophenol	**1300**	ug/L	61	180	100		01/21/2016 09:00	01/21/2016 20:13	RPN	EPA 8270D

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

CT LAB Sample#: 682661 Sample Description: W6R DUP Sampled: 01/19/2016 1110

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Phenol	<13	ug/L	13	43	100		01/21/2016 09:00	01/21/2016 20:13	RPN	EPA 8270D

CT LAB Sample#: 682662 Sample Description: W40 Sampled: 01/19/2016 1210

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	<0.040	mg/L	0.040	0.13	1			01/20/2016 13:57	JJF	EPA 9056A
Organic Results										
2,3,4,6-Tetrachlorophenol	**1300**	ug/L	250	830	250		01/21/2016 09:00	01/21/2016 20:35	RPN	EPA 8270D
2,4,5-Trichlorophenol	<130	ug/L	130	400	250		01/21/2016 09:00	01/21/2016 20:35	RPN	EPA 8270D
2,4,6-Trichlorophenol	<30	ug/L	30	100	250		01/21/2016 09:00	01/21/2016 20:35	RPN	EPA 8270D
2,4-Dichlorophenol	<130	ug/L	130	380	250		01/21/2016 09:00	01/21/2016 20:35	RPN	EPA 8270D
2,4-Dimethylphenol	<45	ug/L	45	140	250		01/21/2016 09:00	01/21/2016 20:35	RPN	EPA 8270D
2,4-Dinitrophenol	<380	ug/L	380	1200	250		01/21/2016 09:00	01/21/2016 20:35	RPN	EPA 8270D
2,6-Dichlorophenol	<100	ug/L	100	280	250		01/21/2016 09:00	01/21/2016 20:35	RPN	EPA 8270D
2-Chlorophenol	<30	ug/L	30	96	250		01/21/2016 09:00	01/21/2016 20:35	RPN	EPA 8270D
2-Methylphenol	<100	ug/L	100	350	250		01/21/2016 09:00	01/21/2016 20:35	RPN	EPA 8270D
2-Nitrophenol	<71	ug/L	71	220	250		01/21/2016 09:00	01/21/2016 20:35	RPN	EPA 8270D
3 & 4-Methylphenol	<100	ug/L	100	330	250		01/21/2016 09:00	01/21/2016 20:35	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<150	ug/L	150	450	250		01/21/2016 09:00	01/21/2016 20:35	RPN	EPA 8270D
4-Chloro-3-methylphenol	<68	ug/L	68	220	250		01/21/2016 09:00	01/21/2016 20:35	RPN	EPA 8270D
4-Nitrophenol	<150	ug/L	150	480	250		01/21/2016 09:00	01/21/2016 20:35	RPN	EPA 8270D
Pentachlorophenol	**12000**	ug/L	150	450	250		01/21/2016 09:00	01/21/2016 20:35	RPN	EPA 8270D
Phenol	<33	ug/L	33	110	250		01/21/2016 09:00	01/21/2016 20:35	RPN	EPA 8270D

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

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: Pat M. Letterer
Project Manager
608-356-2760

Current CT Laboratories Certifications

Kansas NELAP ID# E-10368
Kentucky ID# 0023
ISO/IEC 17025-2005 A2LA Cert # 3806.01
North Carolina ID# 674
Wisconsin (WDNR) Chemistry ID# 157066030
Wisconsin (DATCP) Bacteriology ID# 105-289
DoD-ELAP A2LA 3806.01
GA EPD Stipulation ID E871111, Expires Annually
Louisiana ID # 115843
Virginia ID# 7608
Illinois NELAP ID # 002413
Wisconsin (WOSB) ID# WI-5499-WBE
Maryland ID# 344

Rev. 3/2003

Chain of Custody

Page ______ of ______

Company Name: TRC
Project Contact: Bruce Iverson
Telephone: 608-826-3644
Project Name: Wauleco
Project Number: 189597.0004
Project Location: Wausau, WI
Sampled By: Tom Dushek

Folder #: 116564
Company: TRC ENVIRONMENTA
Project: WAULECO
Logged By: JLS PM: PM

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

Ice Present Yes No
Temperature 3.1, 2.9
Initials
Date 1/20/16 Time 1030
Cooler # 5662, 5320

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. 91065
Contract No.

Regulatory Program:
UST RCRA SDWA NPDES
Solid Waste Other ________

11

Turnaround Time
Normal RUSH* Date Needed ______________
*Notify Lab prior to sending in RUSH
Surcharges 24 hr 200% 2-3 days 100% 4-9 days 50%
Surcharges subject to change without notice.

Landfill License Number ______________

Client Special Instructions:

Fill in Spaces with Bottles per Test

Collection Date	Collection Time	Field Screen	Field ID	Grab/Comp	Sample ID Description	Filt'd Y/N	WDNR Well ID #	**Matrix:	Phenols (8270)	Nitrate						Total No of Containers	Total No of Cont. Rec'd	Preservation*	Lab ID #
1/19/16	1035			G	W3A	N		GW	2	1						3			682659
	1110				W6R														682660
	1110				W6R Dup														682661
	1210				W40														682662
									A	A									

Relinquished By:	Date/Time	Relinquished By:	Date/Time
J.J. Dushek	1/19/16 1600		
Received by:	**Date/Time**	**Received by:**	**Date/Time**
			1/20/16 1117

**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 ________

E2

July 2016

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ANALYTICAL REPORT

TRC ENVIRONMENTAL
BRUCE IVERSON
708 HEARTLAND TRAIL
MADISON, WI 53717

Project Name: WAULECO
Project Phase:
Contract #: 2399
Project #: 189597.0004
Folder #: 120226
Purchase Order #: 91065

Arrival Temperature: <5.5
Report Date: 07/19/2016
Date Received: 07/06/2016
Reprint Date: 07/19/2016

CT LAB Sample#: 741992 Sample Description: W74 Sampled: 07/01/2016 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			07/14/2016 18:07	AMA	EPA 8021M
m & p-Xylene	<0.80	ug/L	0.80	2.8	1			07/14/2016 18:07	AMA	EPA 8021M
Naphthalene	<0.90	ug/L	0.90	2.9	1			07/14/2016 18:07	AMA	EPA 8021M
o-Xylene	<0.40	ug/L	0.40	1.4	1			07/14/2016 18:07	AMA	EPA 8021M
TPH as Mineral Spirits	<33	ug/L	33	110	1		07/08/2016 07:30	07/13/2016 11:16	SRT	EPA 8015
2,3,4,6-Tetrachlorophenol	<3.0	ug/L	0.14	1.0	1		07/08/2016 07:30	07/13/2016 15:36	RPN	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	0.12	1.0	1		07/08/2016 07:30	07/13/2016 15:36	RPN	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	0.51	1.6	1		07/08/2016 07:30	07/13/2016 15:36	RPN	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	0.13	1.0	1		07/08/2016 07:30	07/13/2016 15:36	RPN	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	0.20	1.0	1		07/08/2016 07:30	07/13/2016 15:36	RPN	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	0.29	1.0	1		07/08/2016 07:30	07/13/2016 15:36	RPN	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	0.40	1.4	1		07/08/2016 07:30	07/13/2016 15:36	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	0.12	1.0	1		07/08/2016 07:30	07/13/2016 15:36	RPN	EPA 8270D
2-Methylphenol	<3.0	ug/L	0.15	1.0	1		07/08/2016 07:30	07/13/2016 15:36	RPN	EPA 8270D

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

CT LAB Sample#: 741992 Sample Description: W74 Sampled: 07/01/2016 0800

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2-Nitrophenol	<3.0	ug/L	0.12	1.0	1		07/08/2016 07:30	07/13/2016 15:36	RPN	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	0.17	1.0	1		07/08/2016 07:30	07/13/2016 15:36	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	0.30	1.1	1		07/08/2016 07:30	07/13/2016 15:36	RPN	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	0.14	1.0	1		07/08/2016 07:30	07/13/2016 15:36	RPN	EPA 8270D
4-Nitrophenol	<3.0	ug/L	0.20	1.0	1		07/08/2016 07:30	07/13/2016 15:36	RPN	EPA 8270D
Pentachlorophenol	<3.0	ug/L	0.18	1.0	1		07/08/2016 07:30	07/13/2016 15:36	RPN	EPA 8270D
Phenol	<3.0	ug/L	0.24	1.0	1		07/08/2016 07:30	07/13/2016 15:36	RPN	EPA 8270D

CT LAB Sample#: 741993 Sample Description: W73 Sampled: 07/01/2016 0845

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			07/14/2016 18:44	AMA	EPA 8021M
m & p-Xylene	<0.80	ug/L	0.80	2.8	1			07/14/2016 18:44	AMA	EPA 8021M
Naphthalene	<0.90	ug/L	0.90	2.9	1			07/14/2016 18:44	AMA	EPA 8021M
o-Xylene	<0.40	ug/L	0.40	1.4	1			07/14/2016 18:44	AMA	EPA 8021M
TPH as Mineral Spirits	<34	ug/L	34	110	1		07/08/2016 07:30	07/13/2016 12:50	SRT	EPA 8015
2,3,4,6-Tetrachlorophenol	<3.0	ug/L	0.14	1.0	1		07/08/2016 07:30	07/13/2016 16:55	RPN	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	0.12	1.0	1		07/08/2016 07:30	07/13/2016 16:55	RPN	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	0.51	1.6	1		07/08/2016 07:30	07/13/2016 16:55	RPN	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	0.13	1.0	1		07/08/2016 07:30	07/13/2016 16:55	RPN	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	0.20	1.0	1		07/08/2016 07:30	07/13/2016 16:55	RPN	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	0.29	1.0	1		07/08/2016 07:30	07/13/2016 16:55	RPN	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	0.40	1.4	1		07/08/2016 07:30	07/13/2016 16:55	RPN	EPA 8270D

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TRC ENVIRONMENTAL
Project Name: WAULECO
Project #: 189597.0004
Project Phase:

Contract #: 2399
Folder #: 120226

CT LAB Sample#: 741993 Sample Description: W73 Sampled: 07/01/2016 0845

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2-Chlorophenol	<3.0	ug/L	0.12	1.0	1		07/08/2016 07:30	07/13/2016 16:55	RPN	EPA 8270D
2-Methylphenol	<3.0	ug/L	0.15	1.0	1		07/08/2016 07:30	07/13/2016 16:55	RPN	EPA 8270D
2-Nitrophenol	<3.0	ug/L	0.12	1.0	1		07/08/2016 07:30	07/13/2016 16:55	RPN	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	0.17	1.0	1		07/08/2016 07:30	07/13/2016 16:55	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	0.30	1.1	1		07/08/2016 07:30	07/13/2016 16:55	RPN	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	0.14	1.0	1		07/08/2016 07:30	07/13/2016 16:55	RPN	EPA 8270D
4-Nitrophenol	<3.0	ug/L	0.20	1.0	1		07/08/2016 07:30	07/13/2016 16:55	RPN	EPA 8270D
Pentachlorophenol	<3.0	ug/L	0.18	1.0	1		07/08/2016 07:30	07/13/2016 16:55	RPN	EPA 8270D
Phenol	<3.0	ug/L	0.24	1.0	1		07/08/2016 07:30	07/13/2016 16:55	RPN	EPA 8270D

CT LAB Sample#: 741994 Sample Description: W72 Sampled: 07/01/2016 1010

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			07/14/2016 19:22	AMA	EPA 8021M
m & p-Xylene	<0.80	ug/L	0.80	2.8	1			07/14/2016 19:22	AMA	EPA 8021M
Naphthalene	<0.90	ug/L	0.90	2.9	1			07/14/2016 19:22	AMA	EPA 8021M
o-Xylene	<0.40	ug/L	0.40	1.4	1			07/14/2016 19:22	AMA	EPA 8021M
TPH as Mineral Spirits	<33	ug/L	33	110	1		07/08/2016 07:30	07/13/2016 13:22	SRT	EPA 8015
2,3,4,6-Tetrachlorophenol	<3.0	ug/L	0.15	1.0	1		07/08/2016 07:30	07/13/2016 17:15	RPN	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	0.13	1.0	1		07/08/2016 07:30	07/13/2016 17:15	RPN	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	0.52	1.7	1		07/08/2016 07:30	07/13/2016 17:15	RPN	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	0.14	1.0	1		07/08/2016 07:30	07/13/2016 17:15	RPN	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	0.21	1.0	1		07/08/2016 07:30	07/13/2016 17:15	RPN	EPA 8270D

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

CT LAB Sample#: 741994 Sample Description: W72 Sampled: 07/01/2016 1010

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,4-Dinitrophenol	<3.0	ug/L	0.30	1.0	1		07/08/2016 07:30	07/13/2016 17:15	RPN	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	0.42	1.5	1		07/08/2016 07:30	07/13/2016 17:15	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	0.13	1.0	1		07/08/2016 07:30	07/13/2016 17:15	RPN	EPA 8270D
2-Methylphenol	<3.0	ug/L	0.16	1.0	1		07/08/2016 07:30	07/13/2016 17:15	RPN	EPA 8270D
2-Nitrophenol	<3.0	ug/L	0.13	1.0	1		07/08/2016 07:30	07/13/2016 17:15	RPN	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	0.18	1.0	1		07/08/2016 07:30	07/13/2016 17:15	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	0.31	1.1	1		07/08/2016 07:30	07/13/2016 17:15	RPN	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	0.15	1.0	1		07/08/2016 07:30	07/13/2016 17:15	RPN	EPA 8270D
4-Nitrophenol	<3.0	ug/L	0.21	1.0	1		07/08/2016 07:30	07/13/2016 17:15	RPN	EPA 8270D
Pentachlorophenol	<3.0	ug/L	0.19	1.0	1		07/08/2016 07:30	07/13/2016 17:15	RPN	EPA 8270D
Phenol	<3.0	ug/L	0.25	1.0	1		07/08/2016 07:30	07/13/2016 17:15	RPN	EPA 8270D

CT LAB Sample#: 741995 Sample Description: W71 Sampled: 07/01/2016 1105

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			07/14/2016 20:00	AMA	EPA 8021M
m & p-Xylene	<0.80	ug/L	0.80	2.8	1			07/14/2016 20:00	AMA	EPA 8021M
Naphthalene	<0.90	ug/L	0.90	2.9	1			07/14/2016 20:00	AMA	EPA 8021M
o-Xylene	<0.40	ug/L	0.40	1.4	1			07/14/2016 20:00	AMA	EPA 8021M
TPH as Mineral Spirits	<34	ug/L	34	110	1		07/08/2016 07:30	07/13/2016 13:55	SRT	EPA 8015
2,3,4,6-Tetrachlorophenol	<3.0	ug/L	0.14	1.0	1		07/08/2016 07:30	07/13/2016 17:35	RPN	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	0.12	1.0	1		07/08/2016 07:30	07/13/2016 17:35	RPN	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	0.51	1.6	1		07/08/2016 07:30	07/13/2016 17:35	RPN	EPA 8270D

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

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TRC ENVIRONMENTAL
Project Name: WAULECO
Project #: 189597.0004
Project Phase:

Contract #: 2399
Folder #: 120226

CT LAB Sample#: 741995 Sample Description: W71 Sampled: 07/01/2016 1105

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,4-Dichlorophenol	<3.0	ug/L	0.13	1.0	1		07/08/2016 07:30	07/13/2016 17:35	RPN	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	0.20	1.0	1		07/08/2016 07:30	07/13/2016 17:35	RPN	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	0.30	1.0	1		07/08/2016 07:30	07/13/2016 17:35	RPN	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	0.41	1.4	1		07/08/2016 07:30	07/13/2016 17:35	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	0.12	1.0	1		07/08/2016 07:30	07/13/2016 17:35	RPN	EPA 8270D
2-Methylphenol	<3.0	ug/L	0.15	1.0	1		07/08/2016 07:30	07/13/2016 17:35	RPN	EPA 8270D
2-Nitrophenol	<3.0	ug/L	0.12	1.0	1		07/08/2016 07:30	07/13/2016 17:35	RPN	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	0.17	1.0	1		07/08/2016 07:30	07/13/2016 17:35	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	0.31	1.1	1		07/08/2016 07:30	07/13/2016 17:35	RPN	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	0.14	1.0	1		07/08/2016 07:30	07/13/2016 17:35	RPN	EPA 8270D
4-Nitrophenol	<3.0	ug/L	0.20	1.0	1		07/08/2016 07:30	07/13/2016 17:35	RPN	EPA 8270D
Pentachlorophenol	<3.0	ug/L	0.18	1.0	1		07/08/2016 07:30	07/13/2016 17:35	RPN	EPA 8270D
Phenol	<3.0	ug/L	0.24	1.0	1		07/08/2016 07:30	07/13/2016 17:35	RPN	EPA 8270D

CT LAB Sample#: 741996 Sample Description: TRIP BLANK 01 Sampled: 07/01/2016 1120

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			07/14/2016 16:51	AMA	EPA 8021M
m & p-Xylene	<0.80	ug/L	0.80	2.8	1			07/14/2016 16:51	AMA	EPA 8021M
Naphthalene	<0.90	ug/L	0.90	2.9	1			07/14/2016 16:51	AMA	EPA 8021M
o-Xylene	<0.40	ug/L	0.40	1.4	1			07/14/2016 16:51	AMA	EPA 8021M

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

CT LAB Sample#: 741997 Sample Description: W8 Sampled: 07/05/2016 0745

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	**3.5**	mg/L	0.040	0.13	1			07/06/2016 13:31	JJF	EPA 9056A
Total Sulfate	**18**	mg/L	1.0	3.2	1			07/06/2016 13:31	JJF	EPA 9056A
Total Organic Carbon	**0.86**	mg/L	0.50 *	1.7	1			07/11/2016 22:52	JJF	EPA 9060A
Metals Results										
Dissolved Iron	**32.1**	ug/L	10	32	1			07/07/2016 13:26	NAH	EPA 6010C
Dissolved Manganese	<1.6	ug/L	1.6	5.3	1			07/07/2016 13:26	NAH	EPA 6010C
Dissolved Mercury	**0.030**	ug/L	0.020 *	0.066	1		07/07/2016 08:00	07/08/2016 10:31	LJF	EPA 7470A
Organic Results										
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			07/14/2016 20:38	AMA	EPA 8021M
m & p-Xylene	<0.80	ug/L	0.80	2.8	1			07/14/2016 20:38	AMA	EPA 8021M
Naphthalene	<0.90	ug/L	0.90	2.9	1			07/14/2016 20:38	AMA	EPA 8021M
o-Xylene	<0.40	ug/L	0.40	1.4	1			07/14/2016 20:38	AMA	EPA 8021M
TPH as Mineral Spirits	<34	ug/L	34	110	1		07/08/2016 07:30	07/13/2016 14:27	SRT	EPA 8015
2,3,4,6-Tetrachlorophenol	<3.0	ug/L	0.14	1.0	1		07/08/2016 07:30	07/13/2016 17:55	RPN	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	0.12	1.0	1		07/08/2016 07:30	07/13/2016 17:55	RPN	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	0.52	1.6	1		07/08/2016 07:30	07/13/2016 17:55	RPN	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	0.13	1.0	1		07/08/2016 07:30	07/13/2016 17:55	RPN	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	0.21	1.0	1		07/08/2016 07:30	07/13/2016 17:55	RPN	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	0.30	1.0	1		07/08/2016 07:30	07/13/2016 17:55	RPN	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	0.41	1.4	1		07/08/2016 07:30	07/13/2016 17:55	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	0.12	1.0	1		07/08/2016 07:30	07/13/2016 17:55	RPN	EPA 8270D
2-Methylphenol	<3.0	ug/L	0.15	1.0	1		07/08/2016 07:30	07/13/2016 17:55	RPN	EPA 8270D

CT LAB Sample#: 741997 Sample Description: W8 Sampled: 07/05/2016 0745

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2-Nitrophenol	<3.0	ug/L	0.12	1.0	1		07/08/2016 07:30	07/13/2016 17:55	RPN	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	0.18	1.0	1		07/08/2016 07:30	07/13/2016 17:55	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	0.31	1.1	1		07/08/2016 07:30	07/13/2016 17:55	RPN	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	0.14	1.0	1		07/08/2016 07:30	07/13/2016 17:55	RPN	EPA 8270D
4-Nitrophenol	<3.0	ug/L	0.21	1.0	1		07/08/2016 07:30	07/13/2016 17:55	RPN	EPA 8270D
Pentachlorophenol	<3.0	ug/L	0.19	1.0	1		07/08/2016 07:30	07/13/2016 17:55	RPN	EPA 8270D
Phenol	<3.0	ug/L	0.25	1.0	1		07/08/2016 07:30	07/13/2016 17:55	RPN	EPA 8270D

CT LAB Sample#: 742000 Sample Description: W3B Sampled: 07/05/2016 0900

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	**3.9**	mg/L	0.040	0.13	1			07/06/2016 13:48	JJF	EPA 9056A
Metals Results										
Dissolved Mercury	**0.090**	ug/L	0.020	0.066	1		07/07/2016 08:00	07/08/2016 10:33	LJF	EPA 7470A
Organic Results										
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			07/14/2016 21:16	AMA	EPA 8021M
m & p-Xylene	<0.80	ug/L	0.80	2.8	1			07/14/2016 21:16	AMA	EPA 8021M
Naphthalene	<0.90	ug/L	0.90	2.9	1			07/14/2016 21:16	AMA	EPA 8021M
o-Xylene	<0.40	ug/L	0.40	1.4	1			07/14/2016 21:16	AMA	EPA 8021M
TPH as Mineral Spirits	<33	ug/L	33	110	1		07/08/2016 07:30	07/13/2016 14:59	SRT	EPA 8015
2,3,4,6-Tetrachlorophenol	<3.0	ug/L	0.14	1.0	1		07/08/2016 07:30	07/13/2016 15:56	RPN	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	0.12	1.0	1		07/08/2016 07:30	07/13/2016 15:56	RPN	EPA 8270D

CT LABORATORIES

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TRC ENVIRONMENTAL
Project Name: WAULECO
Project #: 189597.0004
Project Phase:

Contract #: 2399
Folder #: 120226

CT LAB Sample#: 742000 Sample Description: W3B Sampled: 07/05/2016 0900

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,4,6-Trichlorophenol	<3.0	ug/L	0.51	1.6	1		07/08/2016 07:30	07/13/2016 15:56	RPN	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	0.13	1.0	1		07/08/2016 07:30	07/13/2016 15:56	RPN	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	0.20	1.0	1		07/08/2016 07:30	07/13/2016 15:56	RPN	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	0.30	1.0	1		07/08/2016 07:30	07/13/2016 15:56	RPN	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	0.41	1.4	1		07/08/2016 07:30	07/13/2016 15:56	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	0.12	1.0	1		07/08/2016 07:30	07/13/2016 15:56	RPN	EPA 8270D
2-Methylphenol	<3.0	ug/L	0.15	1.0	1		07/08/2016 07:30	07/13/2016 15:56	RPN	EPA 8270D
2-Nitrophenol	<3.0	ug/L	0.12	1.0	1		07/08/2016 07:30	07/13/2016 15:56	RPN	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	0.17	1.0	1		07/08/2016 07:30	07/13/2016 15:56	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	0.31	1.1	1		07/08/2016 07:30	07/13/2016 15:56	RPN	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	0.14	1.0	1		07/08/2016 07:30	07/13/2016 15:56	RPN	EPA 8270D
4-Nitrophenol	<3.0	ug/L	0.20	1.0	1		07/08/2016 07:30	07/13/2016 15:56	RPN	EPA 8270D
Pentachlorophenol	**2.0**	ug/L	0.18	1.0	1		07/08/2016 07:30	07/13/2016 15:56	RPN	EPA 8270D
Phenol	<3.0	ug/L	0.24	1.0	1		07/08/2016 07:30	07/13/2016 15:56	RPN	EPA 8270D

CT LAB Sample#: 742001 Sample Description: W32 Sampled: 07/05/2016 1010

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	<0.040	mg/L	0.040	0.13	1			07/06/2016 15:11	JJF	EPA 9056A
Metals Results										
Dissolved Mercury	**0.092**	ug/L	0.020	0.066	1		07/07/2016 08:00	07/08/2016 10:35	LJF	EPA 7470A
Organic Results										
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			07/15/2016 00:25	AMA	EPA 8021M

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

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TRC ENVIRONMENTAL
Project Name: WAULECO
Project #: 189597.0004
Project Phase:

Contract #: 2399
Folder #: 120226

CT LAB Sample#: 742001 Sample Description: W32 Sampled: 07/05/2016 1010

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			07/15/2016 00:25	AMA	EPA 8021M
Naphthalene	<0.90	ug/L	0.90	2.9	1			07/15/2016 00:25	AMA	EPA 8021M
o-Xylene	<0.40	ug/L	0.40	1.4	1			07/15/2016 00:25	AMA	EPA 8021M
TPH as Mineral Spirits	<34	ug/L	34	110	1		07/08/2016 07:30	07/13/2016 16:35	SRT	EPA 8015
2,3,4,6-Tetrachlorophenol	<3.0	ug/L	0.14	1.0	1		07/08/2016 07:30	07/13/2016 18:15	RPN	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	0.12	1.0	1		07/08/2016 07:30	07/13/2016 18:15	RPN	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	0.51	1.6	1		07/08/2016 07:30	07/13/2016 18:15	RPN	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	0.13	1.0	1		07/08/2016 07:30	07/13/2016 18:15	RPN	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	0.20	1.0	1		07/08/2016 07:30	07/13/2016 18:15	RPN	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	0.29	1.0	1		07/08/2016 07:30	07/13/2016 18:15	RPN	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	0.40	1.4	1		07/08/2016 07:30	07/13/2016 18:15	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	0.12	1.0	1		07/08/2016 07:30	07/13/2016 18:15	RPN	EPA 8270D
2-Methylphenol	<3.0	ug/L	0.15	1.0	1		07/08/2016 07:30	07/13/2016 18:15	RPN	EPA 8270D
2-Nitrophenol	<3.0	ug/L	0.12	1.0	1		07/08/2016 07:30	07/13/2016 18:15	RPN	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	0.17	1.0	1		07/08/2016 07:30	07/13/2016 18:15	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	0.30	1.1	1		07/08/2016 07:30	07/13/2016 18:15	RPN	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	0.14	1.0	1		07/08/2016 07:30	07/13/2016 18:15	RPN	EPA 8270D
4-Nitrophenol	<3.0	ug/L	0.20	1.0	1		07/08/2016 07:30	07/13/2016 18:15	RPN	EPA 8270D
Pentachlorophenol	<3.0	ug/L	0.18	1.0	1		07/08/2016 07:30	07/13/2016 18:15	RPN	EPA 8270D
Phenol	<3.0	ug/L	0.24	1.0	1		07/08/2016 07:30	07/13/2016 18:15	RPN	EPA 8270D

CT LAB Sample#: 742002 Sample Description: W21 Sampled: 07/05/2016 1120

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

CT LAB Sample#: 742002 Sample Description: W21 Sampled: 07/05/2016 1120

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	**1.3**	mg/L	0.040	0.13	1			07/06/2016 15:28	JJF	EPA 9056A
Metals Results										
Dissolved Mercury	**0.092**	ug/L	0.020	0.066	1		07/07/2016 08:00	07/08/2016 10:41	LJF	EPA 7470A
Organic Results										
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			07/15/2016 01:00	AMA	EPA 8021M
m & p-Xylene	<0.80	ug/L	0.80	2.8	1			07/15/2016 01:00	AMA	EPA 8021M
Naphthalene	<0.90	ug/L	0.90	2.9	1			07/15/2016 01:00	AMA	EPA 8021M
o-Xylene	<0.40	ug/L	0.40	1.4	1			07/15/2016 01:00	AMA	EPA 8021M
TPH as Mineral Spirits	<35	ug/L	35	120	1		07/08/2016 07:30	07/13/2016 17:07	SRT	EPA 8015
2,3,4,6-Tetrachlorophenol	<3.0	ug/L	0.14	1.0	1		07/08/2016 07:30	07/13/2016 18:35	RPN	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	0.12	1.0	1		07/08/2016 07:30	07/13/2016 18:35	RPN	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	0.51	1.6	1		07/08/2016 07:30	07/13/2016 18:35	RPN	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	0.13	1.0	1		07/08/2016 07:30	07/13/2016 18:35	RPN	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	0.20	1.0	1		07/08/2016 07:30	07/13/2016 18:35	RPN	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	0.30	1.0	1		07/08/2016 07:30	07/13/2016 18:35	RPN	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	0.41	1.4	1		07/08/2016 07:30	07/13/2016 18:35	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	0.12	1.0	1		07/08/2016 07:30	07/13/2016 18:35	RPN	EPA 8270D
2-Methylphenol	<3.0	ug/L	0.15	1.0	1		07/08/2016 07:30	07/13/2016 18:35	RPN	EPA 8270D
2-Nitrophenol	<3.0	ug/L	0.12	1.0	1		07/08/2016 07:30	07/13/2016 18:35	RPN	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	0.17	1.0	1		07/08/2016 07:30	07/13/2016 18:35	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	0.31	1.1	1		07/08/2016 07:30	07/13/2016 18:35	RPN	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	0.14	1.0	1		07/08/2016 07:30	07/13/2016 18:35	RPN	EPA 8270D
4-Nitrophenol	<3.0	ug/L	0.20	1.0	1		07/08/2016 07:30	07/13/2016 18:35	RPN	EPA 8270D

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

CT LAB Sample#: 742002 Sample Description: W21 Sampled: 07/05/2016 1120

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Pentachlorophenol	<3.0	ug/L	0.18	1.0	1		07/08/2016 07:30	07/13/2016 18:35	RPN	EPA 8270D
Phenol	<3.0	ug/L	0.24	1.0	1		07/08/2016 07:30	07/13/2016 18:35	RPN	EPA 8270D

CT LAB Sample#: 742003 Sample Description: W16 Sampled: 07/05/2016 1210

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	**5.4**	mg/L	0.040	0.13	1			07/06/2016 15:45	JJF	EPA 9056A
Total Sulfate	**21**	mg/L	1.0	3.2	1			07/06/2016 15:45	JJF	EPA 9056A
Total Organic Carbon	**1.4**	mg/L	0.50 *	1.7	1			07/11/2016 23:09	JJF	EPA 9060A
Metals Results										
Dissolved Iron	<10	ug/L	10	32	1			07/07/2016 13:33	NAH	EPA 6010C
Dissolved Manganese	<1.6	ug/L	1.6	5.3	1			07/07/2016 13:33	NAH	EPA 6010C
Dissolved Mercury	**0.094**	ug/L	0.020	0.066	1		07/07/2016 08:00	07/08/2016 10:44	LJF	EPA 7470A
Organic Results										
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			07/15/2016 01:38	AMA	EPA 8021M
m & p-Xylene	<0.80	ug/L	0.80	2.8	1			07/15/2016 01:38	AMA	EPA 8021M
Naphthalene	<0.90	ug/L	0.90	2.9	1			07/15/2016 01:38	AMA	EPA 8021M
o-Xylene	<0.40	ug/L	0.40	1.4	1			07/15/2016 01:38	AMA	EPA 8021M
TPH as Mineral Spirits	<33	ug/L	33	110	1		07/08/2016 07:30	07/13/2016 17:39	SRT	EPA 8015
2,3,4,6-Tetrachlorophenol	<3.0	ug/L	0.14	1.0	1		07/08/2016 07:30	07/13/2016 18:55	RPN	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	0.12	1.0	1		07/08/2016 07:30	07/13/2016 18:55	RPN	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	0.51	1.6	1		07/08/2016 07:30	07/13/2016 18:55	RPN	EPA 8270D

CT LAB Sample#: 742003 Sample Description: W16 Sampled: 07/05/2016 1210

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,4-Dichlorophenol	<3.0	ug/L	0.13	1.0	1		07/08/2016 07:30	07/13/2016 18:55	RPN	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	0.20	1.0	1		07/08/2016 07:30	07/13/2016 18:55	RPN	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	0.29	1.0	1		07/08/2016 07:30	07/13/2016 18:55	RPN	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	0.40	1.4	1		07/08/2016 07:30	07/13/2016 18:55	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	0.12	1.0	1		07/08/2016 07:30	07/13/2016 18:55	RPN	EPA 8270D
2-Methylphenol	<3.0	ug/L	0.15	1.0	1		07/08/2016 07:30	07/13/2016 18:55	RPN	EPA 8270D
2-Nitrophenol	<3.0	ug/L	0.12	1.0	1		07/08/2016 07:30	07/13/2016 18:55	RPN	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	0.17	1.0	1		07/08/2016 07:30	07/13/2016 18:55	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	0.30	1.1	1		07/08/2016 07:30	07/13/2016 18:55	RPN	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	0.14	1.0	1		07/08/2016 07:30	07/13/2016 18:55	RPN	EPA 8270D
4-Nitrophenol	<3.0	ug/L	0.20	1.0	1		07/08/2016 07:30	07/13/2016 18:55	RPN	EPA 8270D
Pentachlorophenol	<3.0	ug/L	0.18	1.0	1		07/08/2016 07:30	07/13/2016 18:55	RPN	EPA 8270D
Phenol	<3.0	ug/L	0.24	1.0	1		07/08/2016 07:30	07/13/2016 18:55	RPN	EPA 8270D

CT LAB Sample#: 742004 Sample Description: W12 Sampled: 07/05/2016 1325

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	**6.1**	mg/L	0.040	0.13	1			07/06/2016 16:02	JJF	EPA 9056A
Total Sulfate	**25**	mg/L	1.0	3.2	1			07/06/2016 16:02	JJF	EPA 9056A
Total Organic Carbon	**1.8**	mg/L	0.50	1.7	1			07/11/2016 23:22	JJF	EPA 9060A
Metals Results										
Dissolved Iron	<10	ug/L	10	32	1			07/07/2016 13:41	NAH	EPA 6010C
Dissolved Manganese	<1.6	ug/L	1.6	5.3	1			07/07/2016 13:41	NAH	EPA 6010C

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

CT LAB Sample#: 742004 Sample Description: W12 Sampled: 07/05/2016 1325

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dissolved Mercury	**0.093**	ug/L	0.020	0.066	1		07/07/2016 08:00	07/08/2016 10:46	LJF	EPA 7470A

Organic Results

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			07/15/2016 02:15	AMA	EPA 8021M
m & p-Xylene	<0.80	ug/L	0.80	2.8	1			07/15/2016 02:15	AMA	EPA 8021M
Naphthalene	<0.90	ug/L	0.90	2.9	1			07/15/2016 02:15	AMA	EPA 8021M
o-Xylene	<0.40	ug/L	0.40	1.4	1			07/15/2016 02:15	AMA	EPA 8021M
TPH as Mineral Spirits	<33	ug/L	33	110	1		07/08/2016 07:30	07/13/2016 18:11	SRT	EPA 8015
2,3,4,6-Tetrachlorophenol	<3.0	ug/L	0.14	1.0	1		07/08/2016 07:30	07/13/2016 19:15	RPN	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	0.12	1.0	1		07/08/2016 07:30	07/13/2016 19:15	RPN	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	0.51	1.6	1		07/08/2016 07:30	07/13/2016 19:15	RPN	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	0.13	1.0	1		07/08/2016 07:30	07/13/2016 19:15	RPN	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	0.20	1.0	1		07/08/2016 07:30	07/13/2016 19:15	RPN	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	0.29	1.0	1		07/08/2016 07:30	07/13/2016 19:15	RPN	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	0.40	1.4	1		07/08/2016 07:30	07/13/2016 19:15	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	0.12	1.0	1		07/08/2016 07:30	07/13/2016 19:15	RPN	EPA 8270D
2-Methylphenol	<3.0	ug/L	0.15	1.0	1		07/08/2016 07:30	07/13/2016 19:15	RPN	EPA 8270D
2-Nitrophenol	<3.0	ug/L	0.12	1.0	1		07/08/2016 07:30	07/13/2016 19:15	RPN	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	0.17	1.0	1		07/08/2016 07:30	07/13/2016 19:15	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	0.30	1.1	1		07/08/2016 07:30	07/13/2016 19:15	RPN	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	0.14	1.0	1		07/08/2016 07:30	07/13/2016 19:15	RPN	EPA 8270D
4-Nitrophenol	<3.0	ug/L	0.20	1.0	1		07/08/2016 07:30	07/13/2016 19:15	RPN	EPA 8270D
Pentachlorophenol	<3.0	ug/L	0.18	1.0	1		07/08/2016 07:30	07/13/2016 19:15	RPN	EPA 8270D
Phenol	<3.0	ug/L	0.24	1.0	1		07/08/2016 07:30	07/13/2016 19:15	RPN	EPA 8270D

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

CT LAB Sample#: 742005 Sample Description: W11 Sampled: 07/05/2016 1410

Analyte	Result	Units	LOD		LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time		Analyst	Method
Inorganic Results												
Nitrate Nitrogen Total	**1.4**	mg/L	0.040		0.13	1			07/06/2016	16:18	JJF	EPA 9056A
Total Sulfate	**15**	mg/L	1.0		3.2	1			07/06/2016	16:18	JJF	EPA 9056A
Total Organic Carbon	**1.1**	mg/L	0.50	*	1.7	1			07/11/2016	23:36	JJF	EPA 9060A
Metals Results												
Dissolved Iron	<10	ug/L	10		32	1			07/07/2016	13:48	NAH	EPA 6010C
Dissolved Manganese	**79.7**	ug/L	1.6		5.3	1			07/07/2016	13:48	NAH	EPA 6010C
Dissolved Mercury	**0.096**	ug/L	0.020		0.066	1		07/07/2016 08:00	07/08/2016	10:48	LJF	EPA 7470A
Organic Results												
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40		1.3	1			07/15/2016	02:53	AMA	EPA 8021M
m & p-Xylene	<0.80	ug/L	0.80		2.8	1			07/15/2016	02:53	AMA	EPA 8021M
Naphthalene	<0.90	ug/L	0.90		2.9	1			07/15/2016	02:53	AMA	EPA 8021M
o-Xylene	<0.40	ug/L	0.40		1.4	1			07/15/2016	02:53	AMA	EPA 8021M
TPH as Mineral Spirits	<34	ug/L	34		110	1		07/08/2016 07:30	07/13/2016	18:43	SRT	EPA 8015
2,3,4,6-Tetrachlorophenol	**6.5**	ug/L	1.5	*	10	10		07/08/2016 07:30	07/13/2016	14:56	RPN	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	1.3		10	10		07/08/2016 07:30	07/13/2016	14:56	RPN	EPA 8270D
2,4,6-Trichlorophenol	<5.2	ug/L	5.2		17	10		07/08/2016 07:30	07/13/2016	14:56	RPN	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	1.4		10	10		07/08/2016 07:30	07/13/2016	14:56	RPN	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	2.1		10	10		07/08/2016 07:30	07/13/2016	14:56	RPN	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	3.0		10	10		07/08/2016 07:30	07/13/2016	14:56	RPN	EPA 8270D
2,6-Dichlorophenol	<4.2	ug/L	4.2		15	10		07/08/2016 07:30	07/13/2016	14:56	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	1.3		10	10		07/08/2016 07:30	07/13/2016	14:56	RPN	EPA 8270D
2-Methylphenol	<3.0	ug/L	1.6		10	10		07/08/2016 07:30	07/13/2016	14:56	RPN	EPA 8270D

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

CT LABORATORIES

delivering more than data from your environmental analyses

TRC ENVIRONMENTAL
Project Name: WAULECO
Project #: 189597.0004
Project Phase:

Contract #: 2399
Folder #: 120226

CT LAB Sample#: 742005 Sample Description: W11 Sampled: 07/05/2016 1410

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2-Nitrophenol	<3.0	ug/L	1.3	10	10		07/08/2016 07:30	07/13/2016 14:56	RPN	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	1.8	10	10		07/08/2016 07:30	07/13/2016 14:56	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.1	ug/L	3.1	11	10		07/08/2016 07:30	07/13/2016 14:56	RPN	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	1.5	10	10		07/08/2016 07:30	07/13/2016 14:56	RPN	EPA 8270D
4-Nitrophenol	<3.0	ug/L	2.1	10	10		07/08/2016 07:30	07/13/2016 14:56	RPN	EPA 8270D
Pentachlorophenol	**180**	ug/L	1.9	10	10		07/08/2016 07:30	07/13/2016 14:56	RPN	EPA 8270D
Phenol	<3.0	ug/L	2.5	10	10		07/08/2016 07:30	07/13/2016 14:56	RPN	EPA 8270D

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

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

Kansas NELAP ID# E-10368
Kentucky ID# 0023
ISO/IEC 17025-2005 A2LA Cert # 3806.01
North Carolina ID# 674
Wisconsin (WDNR) Chemistry ID# 157066030
Wisconsin (DATCP) Bacteriology ID# 105-289
DoD-ELAP A2LA 3806.01
GA EPD Stipulation ID E871111, Expires Annually
Louisiana ID # 115843
Virginia ID# 7608
Illinois NELAP ID # 002413
Wisconsin (WOSB) ID# WI-5499-WBE
Maryland ID# 344

Rev. 3/2003

Chain of Custody

Page ______ of ______

CTLaboratories

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

Company Name: TRC
Project Contact: Bruce Iverson
Telephone: 608-826-3644
Project Name: Wauleco
Project Number: 189597.0004
Project Location: Wausau, WI
Sampled By: Tom Dushek

Folder #: 120226
Company: TRC ENVIRONMENTA
Project: WAULECO
Logged By: BNA PM: BM

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. 91065
Contract No.

Ice Present Yes No
Temperature <5.5
Initials ABS
Date 7/6/16 Time 1045
Cooler # 5874, 5073, 5688, 5133

Regulatory Program:
UST RCRA SDWA NPDES
Solid Waste Other ________

Turnaround Time
Normal RUSH* Date Needed ______________
*Notify Lab prior to sending in RUSH
Surcharges 24 hr 200% 2-3 days 100% 4-9 days 50%
Surcharges subject to change without notice.

Landfill License Number ______________

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

Fill in Spaces with Bottles per Test

Collection Date	Collection Time	Field Screen	Field ID	Grab/Comp	Sample ID Description	Filt'd Y/N	WDNR Well ID #	**Matrix:	Phenols (8270)	TPH	VOC's (8020)	Diss. Hg	Nitrate	Sulfate	TOC	Diss. Fe, Mn	Total No of Containers	Total No of Cont. Rec'd	Preservation*	Lab ID #
7/1/16	0800			G	W74	N		GW	2	1	3						6			741992
	0845				W73															741993
	1010				W72															741994
	1105				W71															741995
	1120				Trip Blank 01						1						1			741996
7/5/16	0745				W8				2	1	3	1	1	✓	1	✓	9			741997
	0900				W3B							1	1				8			742000
	1010				W32															742001
	1120				W21															742002
									A	A	B	D	A	A	C	D				

Relinquished By: S. J. Dushek Date/Time 7/5/16 1540
Relinquished By: Date/Time
Received by: Date/Time
Received by: [signature] Date/Time 7-6-16 1324

**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 ________

Rev. 3/2003

Chain of Custody

Page ______ of ______

CTLaboratories

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

Company Name: TRC
Project Contact: Bruce Iverson
Telephone: 608-826-3644
Project Name: Wauleco
Project Number: 189597.0004
Project Location: Wausau, WI
Sampled By: Tom Dushek

Place Header Sticker Here: Lab Use Only
120216

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. 91065
Contract No.

Ice Present Yes No
Temperature ______
Initials ______
Date ______ Time ______
Cooler #

Regulatory Program:
UST RCRA SDWA NPDES
Solid Waste Other ______

Turnaround Time
Normal RUSH* Date Needed ______
*Notify Lab prior to sending in RUSH
Surcharges 24 hr 200% 2-3 days 100% 4-9 days 50%
Surcharges subject to change without notice.

Landfill License Number ______

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

Fill in Spaces with Bottles per Test

Collection Date	Collection Time	Field Screen	Field ID	Grab/Comp	Sample ID Description	Filt'd Y/N	WDNR Well ID #	**Matrix:	Phenols (8270)	TPH	VOC's (8020)	Diss. Hg	Nitrate	Sulfate	TOC	Diss. Fe, Mn	Total No of Containers	Total No of Cont. Rec'd	Preservation*	Lab ID #
7/5/16	1210			G	W16	N		GW	2	1	3	1	1	✓	1	✓	9			742003
↓	1325			↓	W12	↓		↓	↓	↓	↓	↓	↓	↓	↓	↓	↓			742004
↓	1410			↓	W11	↓		↓	↓	↓	↓	↓	↓	↓	↓	↓	↓			742005
									A	A	B	D	A	A	C	D			◄	

Relinquished By:	Date/Time	Relinquished By:	Date/Time
T.J. Dushek	7/5/16 1540		
Received by:	**Date/Time**	**Received by:**	**Date/Time**
		[signature]	7-6-16 1324

**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

Temperature 5.5

IR Gun # 14

Initials ABS

Date 7/6/16 Time 1030

Cooler #: 5878

CUSTODY SEAL

DATE 7/5/16

SIGNATURE

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

TOM DUSHEK
TRC ENVIROTRC
125 ROSECRANS STREET
WAUSAU WI 54401

50 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 4176 7179

BILLING: P/P
DESC: Environmental Samples
RETURN SERVICE

XOL 16.04.03 WNTNV50 75.0A 04/2016

Cooler Receipt Form

Ice Present (YES) NO

Temperature 5.3

IR Gun # 10

Initials ABS

Date 7/6/16 Time 1027

Cooler #: 5688

TOM DUSHEK
TRC ENVIROTRC
125 ROSECRANS STREET
WAUSAU WI 54401

50 LBS 1 OF

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 4043 5789

BILLING: P/P
DESC: Environmental Samples
RETURN SERVICE

XOL 16.04.03 WNTNV50 75.0A 04/2016

https://www.ups.com/u.a/L.class?8E8B8NQ9j%2B2Ap6itxk9RIWTtwhG2AcgDV5P

CUSTODY SEAL
DATE 7/5/16
SIGNATURE TJ Dushek

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

Cooler Receipt Form

Ice Present YES NO

Temperature 4.2

IR Gun # 12)

Initials ABS

Date 7/6/16 Time 1035

Cooler #: 5433

TOM DUSHEK
TRC ENVIROTRC
125 ROSECRANS STREET
WAUSAU WI 54401

50 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 4157 5153

BILLING: P/P
DESC: Environmental Samples
RETURN SERVICE

XOL 16.04.03 WNTNV50 75.0A 04/2016

CUSTODY SEAL
DATE 7/5/16
SIGNATURE

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608-356-2760 • www.ctlaboratories.com

ANALYTICAL REPORT

TRC ENVIRONMENTAL
BRUCE IVERSON
708 HEARTLAND TRAIL
MADISON, WI 53717

Project Name: WAULECO
Project Phase:
Contract #: 2399
Project #: 189597.0004
Folder #: 120288
Purchase Order #: 91065

Arrival Temperature: <4.2
Report Date: 07/19/2016
Date Received: 07/07/2016
Reprint Date: 07/19/2016

CT LAB Sample#: 742537 Sample Description: W18 Sampled: 07/06/2016 0720

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	**0.60**	mg/L	0.040	0.13	1			07/08/2016 08:41	JJF	EPA 9056A
Metals Results										
Dissolved Mercury	<0.020	ug/L	0.020	0.066	1		07/12/2016 08:45	07/13/2016 09:01	LJF	EPA 7470A
Organic Results										
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			07/15/2016 03:30	AMA	EPA 8021M
m & p-Xylene	<0.80	ug/L	0.80	2.8	1			07/15/2016 03:30	AMA	EPA 8021M
Naphthalene	<0.90	ug/L	0.90	2.9	1			07/15/2016 03:30	AMA	EPA 8021M
o-Xylene	<0.40	ug/L	0.40	1.4	1			07/15/2016 03:30	AMA	EPA 8021M
TPH as Mineral Spirits	<34	ug/L	34	110	1		07/08/2016 07:30	07/13/2016 19:15	SRT	EPA 8015
2,3,4,6-Tetrachlorophenol	<3.0	ug/L	0.14	1.0	1		07/08/2016 07:30	07/13/2016 19:35	RPN	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	0.12	1.0	1		07/08/2016 07:30	07/13/2016 19:35	RPN	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	0.52	1.6	1		07/08/2016 07:30	07/13/2016 19:35	RPN	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	0.13	1.0	1		07/08/2016 07:30	07/13/2016 19:35	RPN	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	0.21	1.0	1		07/08/2016 07:30	07/13/2016 19:35	RPN	EPA 8270D

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

CT LABORATORIES
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TRC ENVIRONMENTAL
Project Name: WAULECO
Project #: 189597.0004
Project Phase:

Contract #: 2399
Folder #: 120288

CT LAB Sample#: 742537 Sample Description: W18 Sampled: 07/06/2016 0720

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,4-Dinitrophenol	<3.0	ug/L	0.30	1.0	1		07/08/2016 07:30	07/13/2016 19:35	RPN	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	0.41	1.4	1		07/08/2016 07:30	07/13/2016 19:35	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	0.12	1.0	1		07/08/2016 07:30	07/13/2016 19:35	RPN	EPA 8270D
2-Methylphenol	<3.0	ug/L	0.15	1.0	1		07/08/2016 07:30	07/13/2016 19:35	RPN	EPA 8270D
2-Nitrophenol	<3.0	ug/L	0.12	1.0	1		07/08/2016 07:30	07/13/2016 19:35	RPN	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	0.18	1.0	1		07/08/2016 07:30	07/13/2016 19:35	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	0.31	1.1	1		07/08/2016 07:30	07/13/2016 19:35	RPN	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	0.14	1.0	1		07/08/2016 07:30	07/13/2016 19:35	RPN	EPA 8270D
4-Nitrophenol	<3.0	ug/L	0.21	1.0	1		07/08/2016 07:30	07/13/2016 19:35	RPN	EPA 8270D
Pentachlorophenol	<3.0	ug/L	0.19	1.0	1		07/08/2016 07:30	07/13/2016 19:35	RPN	EPA 8270D
Phenol	<3.0	ug/L	0.25	1.0	1		07/08/2016 07:30	07/13/2016 19:35	RPN	EPA 8270D

CT LAB Sample#: 742539 Sample Description: W28 Sampled: 07/06/2016 0800

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	**1.2**	mg/L	0.040	0.13	1			07/08/2016 08:58	JJF	EPA 9056A
Total Sulfate	**15**	mg/L	1.0	3.2	1			07/08/2016 08:58	JJF	EPA 9056A
Total Organic Carbon	**1.0**	mg/L	0.50 *	1.7	1			07/12/2016 00:50	JJF	EPA 9060A
Metals Results										
Dissolved Iron	<10	ug/L	10	32	1			07/08/2016 18:12	NAH	EPA 6010C
Dissolved Manganese	<1.6	ug/L	1.6	5.3	1			07/08/2016 18:12	NAH	EPA 6010C
Dissolved Mercury	<0.020	ug/L	0.020	0.066	1		07/12/2016 08:45	07/13/2016 09:10	LJF	EPA 7470A

Organic Results

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

CT LAB Sample#: 742539 Sample Description: W28 Sampled: 07/06/2016 0800

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			07/15/2016 04:08	AMA	EPA 8021M
m & p-Xylene	<0.80	ug/L	0.80	2.8	1			07/15/2016 04:08	AMA	EPA 8021M
Naphthalene	<0.90	ug/L	0.90	2.9	1			07/15/2016 04:08	AMA	EPA 8021M
o-Xylene	<0.40	ug/L	0.40	1.4	1			07/15/2016 04:08	AMA	EPA 8021M
TPH as Mineral Spirits	<33	ug/L	33	110	1		07/08/2016 07:30	07/13/2016 19:46	SRT	EPA 8015
2,3,4,6-Tetrachlorophenol	<3.0	ug/L	0.15	1.0	1		07/08/2016 07:30	07/13/2016 19:54	RPN	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	0.13	1.0	1		07/08/2016 07:30	07/13/2016 19:54	RPN	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	0.52	1.7	1		07/08/2016 07:30	07/13/2016 19:54	RPN	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	0.14	1.0	1		07/08/2016 07:30	07/13/2016 19:54	RPN	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	0.21	1.0	1		07/08/2016 07:30	07/13/2016 19:54	RPN	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	0.30	1.0	1		07/08/2016 07:30	07/13/2016 19:54	RPN	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	0.42	1.5	1		07/08/2016 07:30	07/13/2016 19:54	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	0.13	1.0	1		07/08/2016 07:30	07/13/2016 19:54	RPN	EPA 8270D
2-Methylphenol	<3.0	ug/L	0.16	1.0	1		07/08/2016 07:30	07/13/2016 19:54	RPN	EPA 8270D
2-Nitrophenol	<3.0	ug/L	0.13	1.0	1		07/08/2016 07:30	07/13/2016 19:54	RPN	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	0.18	1.0	1		07/08/2016 07:30	07/13/2016 19:54	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	0.31	1.1	1		07/08/2016 07:30	07/13/2016 19:54	RPN	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	0.15	1.0	1		07/08/2016 07:30	07/13/2016 19:54	RPN	EPA 8270D
4-Nitrophenol	<3.0	ug/L	0.21	1.0	1		07/08/2016 07:30	07/13/2016 19:54	RPN	EPA 8270D
Pentachlorophenol	**0.45**	ug/L	0.19 *	1.0	1		07/08/2016 07:30	07/13/2016 19:54	RPN	EPA 8270D
Phenol	<3.0	ug/L	0.25	1.0	1		07/08/2016 07:30	07/13/2016 19:54	RPN	EPA 8270D

CT LAB Sample#: 742540 Sample Description: W9 Sampled: 07/06/2016 0845

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	<0.040	mg/L	0.040	0.13	1			07/08/2016 07:51	JJF	EPA 9056A
Metals Results										
Dissolved Mercury	**0.059**	ug/L	0.020 *	0.066	1		07/12/2016 08:45	07/13/2016 09:12	LJF	EPA 7470A
Organic Results										
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			07/15/2016 04:46	AMA	EPA 8021M
m & p-Xylene	<0.80	ug/L	0.80	2.8	1			07/15/2016 04:46	AMA	EPA 8021M
Naphthalene	**1.8**	ug/L	0.90 *	2.9	1			07/15/2016 04:46	AMA	EPA 8021M
o-Xylene	<0.40	ug/L	0.40	1.4	1			07/15/2016 04:46	AMA	EPA 8021M
TPH as Mineral Spirits	**51**	ug/L	34 *	110	1		07/08/2016 07:30	07/13/2016 20:18	SRT	EPA 8015
2,3,4,6-Tetrachlorophenol	<3.0	ug/L	0.14	1.0	1		07/08/2016 07:30	07/13/2016 20:14	RPN	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	0.12	1.0	1		07/08/2016 07:30	07/13/2016 20:14	RPN	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	0.51	1.6	1		07/08/2016 07:30	07/13/2016 20:14	RPN	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	0.13	1.0	1		07/08/2016 07:30	07/13/2016 20:14	RPN	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	0.20	1.0	1		07/08/2016 07:30	07/13/2016 20:14	RPN	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	0.29	1.0	1		07/08/2016 07:30	07/13/2016 20:14	RPN	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	0.40	1.4	1		07/08/2016 07:30	07/13/2016 20:14	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	0.12	1.0	1		07/08/2016 07:30	07/13/2016 20:14	RPN	EPA 8270D
2-Methylphenol	<3.0	ug/L	0.15	1.0	1		07/08/2016 07:30	07/13/2016 20:14	RPN	EPA 8270D
2-Nitrophenol	<3.0	ug/L	0.12	1.0	1		07/08/2016 07:30	07/13/2016 20:14	RPN	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	0.17	1.0	1		07/08/2016 07:30	07/13/2016 20:14	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	0.30	1.1	1		07/08/2016 07:30	07/13/2016 20:14	RPN	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	0.14	1.0	1		07/08/2016 07:30	07/13/2016 20:14	RPN	EPA 8270D

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

CT LAB Sample#: 742540 Sample Description: W9 Sampled: 07/06/2016 0845

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
4-Nitrophenol	<3.0	ug/L	0.20	1.0	1		07/08/2016 07:30	07/13/2016 20:14	RPN	EPA 8270D
Pentachlorophenol	**0.26**	ug/L	0.18 *	1.0	1		07/08/2016 07:30	07/13/2016 20:14	RPN	EPA 8270D
Phenol	<3.0	ug/L	0.24	1.0	1		07/08/2016 07:30	07/13/2016 20:14	RPN	EPA 8270D

CT LAB Sample#: 742541 Sample Description: W36 Sampled: 07/06/2016 0940

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	**5.4**	mg/L	0.040	0.13	1			07/08/2016 08:24	JJF	EPA 9056A
Metals Results										
Dissolved Mercury	**0.049**	ug/L	0.020 *	0.066	1		07/12/2016 08:45	07/13/2016 09:14	LJF	EPA 7470A
Organic Results										
1,2,4-Trimethylbenzene	**0.58**	ug/L	0.40 *	1.3	1			07/15/2016 05:24	AMA	EPA 8021M
m & p-Xylene	<0.80	ug/L	0.80	2.8	1			07/15/2016 05:24	AMA	EPA 8021M
Naphthalene	<0.90	ug/L	0.90	2.9	1			07/15/2016 05:24	AMA	EPA 8021M
o-Xylene	**0.60**	ug/L	0.40 *	1.4	1			07/15/2016 05:24	AMA	EPA 8021M
TPH as Mineral Spirits	<33	ug/L	33	110	1		07/08/2016 07:30	07/13/2016 20:50	SRT	EPA 8015
2,3,4,6-Tetrachlorophenol	<3.0	ug/L	0.14	1.0	1		07/08/2016 07:30	07/13/2016 20:34	RPN	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	0.12	1.0	1		07/08/2016 07:30	07/13/2016 20:34	RPN	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	0.51	1.6	1		07/08/2016 07:30	07/13/2016 20:34	RPN	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	0.13	1.0	1		07/08/2016 07:30	07/13/2016 20:34	RPN	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	0.20	1.0	1		07/08/2016 07:30	07/13/2016 20:34	RPN	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	0.30	1.0	1		07/08/2016 07:30	07/13/2016 20:34	RPN	EPA 8270D

CT LAB Sample#: 742541 Sample Description: W36 Sampled: 07/06/2016 0940

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,6-Dichlorophenol	<3.0	ug/L	0.41	1.4	1		07/08/2016 07:30	07/13/2016 20:34	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	0.12	1.0	1		07/08/2016 07:30	07/13/2016 20:34	RPN	EPA 8270D
2-Methylphenol	<3.0	ug/L	0.15	1.0	1		07/08/2016 07:30	07/13/2016 20:34	RPN	EPA 8270D
2-Nitrophenol	<3.0	ug/L	0.12	1.0	1		07/08/2016 07:30	07/13/2016 20:34	RPN	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	0.17	1.0	1		07/08/2016 07:30	07/13/2016 20:34	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	0.31	1.1	1		07/08/2016 07:30	07/13/2016 20:34	RPN	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	0.14	1.0	1		07/08/2016 07:30	07/13/2016 20:34	RPN	EPA 8270D
4-Nitrophenol	<3.0	ug/L	0.20	1.0	1		07/08/2016 07:30	07/13/2016 20:34	RPN	EPA 8270D
Pentachlorophenol	**5.0**	ug/L	0.18	1.0	1		07/08/2016 07:30	07/13/2016 20:34	RPN	EPA 8270D
Phenol	<3.0	ug/L	0.24	1.0	1		07/08/2016 07:30	07/13/2016 20:34	RPN	EPA 8270D

CT LAB Sample#: 742542 Sample Description: W25 Sampled: 07/06/2016 1020

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	**5.9**	mg/L	0.040	0.13	1			07/08/2016 08:08	JJF	EPA 9056A
Metals Results										
Dissolved Mercury	**0.050**	ug/L	0.020 *	0.066	1		07/12/2016 08:45	07/13/2016 09:16	LJF	EPA 7470A
Organic Results										
1,2,4-Trimethylbenzene	**2.8**	ug/L	0.40	1.3	1			07/15/2016 06:02	AMA	EPA 8021M
m & p-Xylene	<0.80	ug/L	0.80	2.8	1			07/15/2016 06:02	AMA	EPA 8021M
Naphthalene	<0.90	ug/L	0.90	2.9	1			07/15/2016 06:02	AMA	EPA 8021M
o-Xylene	<0.40	ug/L	0.40	1.4	1			07/15/2016 06:02	AMA	EPA 8021M

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

CT LAB Sample#: 742542 Sample Description: W25 Sampled: 07/06/2016 1020

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
TPH as Mineral Spirits	<33	ug/L	33	110	1		07/08/2016 07:30	07/13/2016 21:21	SRT	EPA 8015
2,3,4,6-Tetrachlorophenol	<3.0	ug/L	0.14	1.0	1		07/08/2016 07:30	07/13/2016 20:54	RPN	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	0.12	1.0	1		07/08/2016 07:30	07/13/2016 20:54	RPN	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	0.51	1.6	1		07/08/2016 07:30	07/13/2016 20:54	RPN	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	0.13	1.0	1		07/08/2016 07:30	07/13/2016 20:54	RPN	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	0.20	1.0	1		07/08/2016 07:30	07/13/2016 20:54	RPN	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	0.29	1.0	1		07/08/2016 07:30	07/13/2016 20:54	RPN	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	0.40	1.4	1		07/08/2016 07:30	07/13/2016 20:54	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	0.12	1.0	1		07/08/2016 07:30	07/13/2016 20:54	RPN	EPA 8270D
2-Methylphenol	<3.0	ug/L	0.15	1.0	1		07/08/2016 07:30	07/13/2016 20:54	RPN	EPA 8270D
2-Nitrophenol	<3.0	ug/L	0.12	1.0	1		07/08/2016 07:30	07/13/2016 20:54	RPN	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	0.17	1.0	1		07/08/2016 07:30	07/13/2016 20:54	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	0.30	1.1	1		07/08/2016 07:30	07/13/2016 20:54	RPN	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	0.14	1.0	1		07/08/2016 07:30	07/13/2016 20:54	RPN	EPA 8270D
4-Nitrophenol	<3.0	ug/L	0.20	1.0	1		07/08/2016 07:30	07/13/2016 20:54	RPN	EPA 8270D
Pentachlorophenol	**3.0**	ug/L	0.18	1.0	1		07/08/2016 07:30	07/13/2016 20:54	RPN	EPA 8270D
Phenol	<3.0	ug/L	0.24	1.0	1		07/08/2016 07:30	07/13/2016 20:54	RPN	EPA 8270D

CT LAB Sample#: 742543 Sample Description: W1A Sampled: 07/06/2016 1115

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	**4.4**	mg/L	0.040	0.13	1			07/08/2016 07:34	JJF	EPA 9056A
Metals Results										

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

CT LAB Sample#: 742543 Sample Description: W1A Sampled: 07/06/2016 1115

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dissolved Mercury	**0.042**	ug/L	0.020 *	0.066	1		07/12/2016 08:45	07/13/2016 09:23	LJF	EPA 7470A
Organic Results										
1,2,4-Trimethylbenzene	**8.0**	ug/L	0.40	1.3	1			07/15/2016 09:10	AMA	EPA 8021M
m & p-Xylene	**0.81**	ug/L	0.80 *	2.8	1			07/15/2016 09:10	AMA	EPA 8021M
Naphthalene	**1.2**	ug/L	0.90 *	2.9	1			07/15/2016 09:10	AMA	EPA 8021M
o-Xylene	**2.3**	ug/L	0.40	1.4	1			07/15/2016 09:10	AMA	EPA 8021M
TPH as Mineral Spirits	**410**	ug/L	34	110	1		07/08/2016 07:30	07/13/2016 22:55	SRT	EPA 8015
2,3,4,6-Tetrachlorophenol	**2.5**	ug/L	0.14	1.0	1		07/08/2016 07:30	07/13/2016 21:14	RPN	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	0.12	1.0	1		07/08/2016 07:30	07/13/2016 21:14	RPN	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	0.51	1.6	1		07/08/2016 07:30	07/13/2016 21:14	RPN	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	0.13	1.0	1		07/08/2016 07:30	07/13/2016 21:14	RPN	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	0.20	1.0	1		07/08/2016 07:30	07/13/2016 21:14	RPN	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	0.29	1.0	1		07/08/2016 07:30	07/13/2016 21:14	RPN	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	0.40	1.4	1		07/08/2016 07:30	07/13/2016 21:14	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	0.12	1.0	1		07/08/2016 07:30	07/13/2016 21:14	RPN	EPA 8270D
2-Methylphenol	<3.0	ug/L	0.15	1.0	1		07/08/2016 07:30	07/13/2016 21:14	RPN	EPA 8270D
2-Nitrophenol	<3.0	ug/L	0.12	1.0	1		07/08/2016 07:30	07/13/2016 21:14	RPN	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	0.17	1.0	1		07/08/2016 07:30	07/13/2016 21:14	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	0.30	1.1	1		07/08/2016 07:30	07/13/2016 21:14	RPN	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	0.14	1.0	1		07/08/2016 07:30	07/13/2016 21:14	RPN	EPA 8270D
4-Nitrophenol	<3.0	ug/L	0.20	1.0	1		07/08/2016 07:30	07/13/2016 21:14	RPN	EPA 8270D
Pentachlorophenol	**31**	ug/L	0.18	1.0	1		07/08/2016 07:30	07/13/2016 21:14	RPN	EPA 8270D
Phenol	<3.0	ug/L	0.24	1.0	1		07/08/2016 07:30	07/13/2016 21:14	RPN	EPA 8270D

CT LABORATORIES
delivering more than data from your environmental analyses

TRC ENVIRONMENTAL
Project Name: WAULECO
Project #: 189597.0004
Project Phase:

Contract #: 2399
Folder #: 120288

CT LAB Sample#: 742544 Sample Description: BLANK 01 Sampled: 07/06/2016 1145

Analyte	Result	Units	LOD		LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time		Analyst	Method
Inorganic Results												
Nitrate Nitrogen Total	<0.040	mg/L	0.040		0.13	1			07/08/2016	05:37	JJF	EPA 9056A
Total Sulfate	<1.0	mg/L	1.0		3.2	1			07/08/2016	05:37	JJF	EPA 9056A
Total Organic Carbon	<0.50	mg/L	0.50		1.7	1			07/12/2016	01:35	JJF	EPA 9060A
Metals Results												
Dissolved Iron	<10	ug/L	10		32	1			07/08/2016	19:05	NAH	EPA 6010C
Dissolved Manganese	<1.6	ug/L	1.6		5.3	1			07/08/2016	19:05	NAH	EPA 6010C
Dissolved Mercury	**0.044**	ug/L	0.020	*	0.066	1		07/12/2016 08:45	07/13/2016	09:25	LJF	EPA 7470A
Organic Results												
1,2,4-Trimethylbenzene	**0.50**	ug/L	0.40	*	1.3	1	Y		07/15/2016	09:48	AMA	EPA 8021M
m & p-Xylene	<0.80	ug/L	0.80		2.8	1	Y		07/15/2016	09:48	AMA	EPA 8021M
Naphthalene	<0.90	ug/L	0.90		2.9	1			07/15/2016	09:48	AMA	EPA 8021M
o-Xylene	**0.40**	ug/L	0.40	*	1.4	1	Y		07/15/2016	09:48	AMA	EPA 8021M
TPH as Mineral Spirits	<34	ug/L	34		110	1		07/08/2016 07:30	07/13/2016	23:27	SRT	EPA 8015
2,3,4,6-Tetrachlorophenol	<3.0	ug/L	0.15		1.0	1		07/08/2016 07:30	07/13/2016	14:36	RPN	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	0.13		1.0	1		07/08/2016 07:30	07/13/2016	14:36	RPN	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	0.52		1.7	1		07/08/2016 07:30	07/13/2016	14:36	RPN	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	0.14		1.0	1		07/08/2016 07:30	07/13/2016	14:36	RPN	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	0.21		1.0	1		07/08/2016 07:30	07/13/2016	14:36	RPN	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	0.30		1.0	1		07/08/2016 07:30	07/13/2016	14:36	RPN	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	0.42		1.5	1		07/08/2016 07:30	07/13/2016	14:36	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	0.13		1.0	1		07/08/2016 07:30	07/13/2016	14:36	RPN	EPA 8270D
2-Methylphenol	<3.0	ug/L	0.16		1.0	1		07/08/2016 07:30	07/13/2016	14:36	RPN	EPA 8270D

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

CT LAB Sample#: 742544 Sample Description: BLANK 01 Sampled: 07/06/2016 1145

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2-Nitrophenol	<3.0	ug/L	0.13	1.0	1		07/08/2016 07:30	07/13/2016 14:36	RPN	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	0.18	1.0	1		07/08/2016 07:30	07/13/2016 14:36	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	0.31	1.1	1		07/08/2016 07:30	07/13/2016 14:36	RPN	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	0.15	1.0	1		07/08/2016 07:30	07/13/2016 14:36	RPN	EPA 8270D
4-Nitrophenol	<3.0	ug/L	0.21	1.0	1		07/08/2016 07:30	07/13/2016 14:36	RPN	EPA 8270D
Pentachlorophenol	<3.0	ug/L	0.19	1.0	1		07/08/2016 07:30	07/13/2016 14:36	RPN	EPA 8270D
Phenol	<3.0	ug/L	0.25	1.0	1		07/08/2016 07:30	07/13/2016 14:36	RPN	EPA 8270D

CT LAB Sample#: 742547 Sample Description: PW17 Sampled: 07/06/2016 1235

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	**15**	mg/L	1.0	3.2	1			07/08/2016 07:17	JJF	EPA 9056A
Total Organic Carbon	**5.9**	mg/L	0.50	1.7	1			07/12/2016 02:40	JJF	EPA 9060A
Metals Results										
Dissolved Iron	**5440**	ug/L	10	32	1			07/08/2016 18:19	NAH	EPA 6010C
Dissolved Manganese	**3030**	ug/L	1.6	5.3	1			07/08/2016 18:19	NAH	EPA 6010C
Organic Results										
TPH as Mineral Spirits	**800**	ug/L	34	110	1		07/08/2016 07:30	07/13/2016 23:58	SRT	EPA 8015

CT LAB Sample#: 742562 Sample Description: FP2 Sampled: 07/06/2016 1255

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

CT LAB Sample#: 742562 Sample Description: FP2 Sampled: 07/06/2016 1255

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	**2.3**	mg/L	1.0 *	3.2	1			07/08/2016 07:01	JJF	EPA 9056A
Total Organic Carbon	**7.8**	mg/L	0.50	1.7	1			07/12/2016 02:52	JJF	EPA 9060A
Metals Results										
Dissolved Iron	**11500**	ug/L	10	32	1			07/08/2016 18:26	NAH	EPA 6010C
Dissolved Manganese	**7330**	ug/L	1.6	5.3	1	M		07/08/2016 18:26	NAH	EPA 6010C
Organic Results										
TPH as Mineral Spirits	**3000**	ug/L	33	110	1		07/08/2016 07:30	07/14/2016 00:30	SRT	EPA 8015

CT LAB Sample#: 742569 Sample Description: TRIP BLANK 02 Sampled: 07/06/2016 0900

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			07/14/2016 17:29	AMA	EPA 8021M
m & p-Xylene	<0.80	ug/L	0.80	2.8	1			07/14/2016 17:29	AMA	EPA 8021M
Naphthalene	<0.90	ug/L	0.90	2.9	1			07/14/2016 17:29	AMA	EPA 8021M
o-Xylene	<0.40	ug/L	0.40	1.4	1			07/14/2016 17:29	AMA	EPA 8021M

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	**BOD 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

Kansas NELAP ID# E-10368
Kentucky ID# 0023
ISO/IEC 17025-2005 A2LA Cert # 3806.01
North Carolina ID# 674
Wisconsin (WDNR) Chemistry ID# 157066030
Wisconsin (DATCP) Bacteriology ID# 105-289
DoD-ELAP A2LA 3806.01
GA EPD Stipulation ID E871111, Expires Annually
Louisiana ID # 115843
Virginia ID# 7608
Illinois NELAP ID # 002413
Wisconsin (WOSB) ID# WI-5499-WBE
Maryland ID# 344

Rev. 3/2003

Chain of Custody

Page ______ of ______

Company Name: TRC
Project Contact: Bruce Iverson
Telephone: 608-826-3644
Project Name: Wauleco
Project Number: 189597.0004
Project Location: Wausau, WI
Sampled By: Tom Dushek

CT Laboratories

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

Folder #: 120288
Company: TRC ENVIRONMENTA
Project: WAULECO
Logged By: RNA PM: BM

Ice Present Yes No
Temperature < 4.2
Initials ABS
Date 7-7-16 Time 1310
Cooler # 5813 5694

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. 91065
Contract No.

Regulatory Program:
UST RCRA SDWA NPDES
Solid Waste Other ______

Turnaround Time
Normal RUSH* Date Needed ______
*Notify Lab prior to sending in RUSH
Surcharges 24 hr 200% 2-3 days 100% 4-9 days 50%
Surcharges subject to change without notice.

Landfill License Number ______

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

Fill in Spaces with Bottles per Test

Collection Date	Collection Time	Field Screen	Field ID	Grab/Comp	Sample ID Description	Filt'd Y/N	WDNR Well ID #	**Matrix:	Phenols (8270)	TPH	VOC's (8020)	Diss. Hg	Nitrate	Sulfate	TOC	Diss. Fe, Mn	Total No of Containers	Total No of Cont. Rec'd	Preservation*	Lab ID #
7/6/16	0720			G	W18	N		GW	2	1	3	1	1				8			742537
	0800				W28									✓	1	✓	9			742539
	0845				W9												8			742540
	0940				W36									—						742541
	1020				W25									—						742542
	1115				W1A															742543
	1145				Blank 01									✓	1	✓	9			742544
	1235				PW17									1	1	1	4			742547
	1255				FP2									1	1	1				742562
									A	A	B	D	A	A	C	D				

Relinquished By:	Date/Time	Relinquished By:	Date/Time
T.J. Dushek	7/6/16 1530		
Received by:	**Date/Time**	**Received by:**	**Date/Time**
		[signature]	7-7-16 1452

****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 ______

Rev. 3/2003

Chain of Custody

Page ______ of ______

Company Name: TRC
Project Contact: Bruce Iverson
Telephone: 608-826-3644
Project Name: Wauleco
Project Number: 189597.0004
Project Location: Wausau, WI
Sampled By: Tom Dushek

CT Laboratories

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

Place Header Sticker Here; Lab Use Only

120288

Mail Report To: Bruce Iverson
Company: TRC
Address: 708 Heartland Trail
City/State/Zip: Madison, WI 53717

Ice Present Yes No

Temperature <4.2
Initials ABS
Date 7-7-16 Time 1310
Cooler # 5813 5694

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

PO No. 91065

Contract No.

Regulatory Program:
UST RCRA SDWA NPDES
Solid Waste Other ________

Turnaround Time
Normal RUSH* Date Needed ______________
*Notify Lab prior to sending in RUSH
Surcharges 24 hr 200% 2-3 days 100% 4-9 days 50%
Surcharges subject to change without notice.

Landfill License Number ______________

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

Collection Date	Collection Time	Field Screen	Field ID	Grab/ Comp	Sample ID Description	Filt'd Y/N	WDNR Well ID #	**Matrix:	Phenols (8270)	TPH	VOC's (8020)	Diss. Hg	Nitrate	Sulfate	TOC	Diss. Fe, Mn	Total No of Containers	Total No of Cont. Rec'd	Preservation*	Lab ID #
									Fill in Spaces with Bottles per Test											
7/6/16	0900			G	Trip Blank 02	N		GW			1						1			742569
									A	A	B	D	A	A	C	D				

Relinquished By:	Date/Time	Relinquished By:	Date/Time
T.J. Dushek	7/6/16 1530		
Received by:	**Date/Time**	**Received by:**	**Date/Time**
		[signature]	7-7-16 1452

**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

Temperature 3.8

IR Gun # 16

Initials ABS

Date 7-7-16 Time 1310

Cooler #: 5813

TOM DUSHEK
TRC ENVIROTRC
125 ROSECRANS STREET
WAUSAU WI 54401

50 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 4191 9068

BILLING: P/P
DESC: Environmental Samples
RETURN SERVICE

XOL 16.04.03 WNTNV50 75.0A 04/2016

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

CUSTODY SEAL
DATE
SIGNATURE

Cooler Receipt Form

Ice Present YES NO

Temperature 1.0

IR Gun # 14

Initials ABS

Date 7/7/16 Time 1305

Cooler #: ~~5644~~ ABS 5459

TOM DUSHEK
TRC ENVIROTRC
125 ROSECRANS STREET
WAUSAU WI 54401

50 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 4143 1843

BILLING: P/P
DESC: Environmental Samples
RETURN SERVICE

XOL 16.04.03 WNTNV50 75.0A 04/2016

CUSTODY SEAL
DATE
SIGNATURE

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

Cooler Receipt Form

Ice Present YES NO

Temperature 4.2

IR Gun # 161

Initials ABS

Date 7-7-16 Time 1300

Cooler #: 5694

TOM DUSHEK
TRC ENVIROTRC
125 ROSECRANS STREET
WAUSAU WI 54401

50 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 4263 1250

BILLING: P/P
DESC: Environmental Samples
RETURN SERVICE

XOL 16.04.03 WNTNV50 75.0A 04/2016

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

CUSTODY SEAL
DATE
SIGNATURE

CT LABORATORIES
delivering more than data from your environmental analyses

CT Laboratories LLC • 1230 Lange Ct • Baraboo, WI 53913
608-356-2760 • www.ctlaboratories.com

ANALYTICAL REPORT

TRC ENVIRONMENTAL
BRUCE IVERSON
708 HEARTLAND TRAIL
MADISON, WI 53717

Project Name: WAULECO
Project Phase:
Contract #: 2399
Project #: 189597.0004
Folder #: 120312
Purchase Order #: 91065

Arrival Temperature: <6.3
Report Date: 07/20/2016
Date Received: 07/08/2016
Reprint Date: 07/20/2016

CT LAB Sample#: 742837 Sample Description: W10B Sampled: 07/07/2016 0735

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	**0.60**	mg/L	0.040	0.13	1			07/08/2016 14:01	JJF	EPA 9056A
Metals Results										
Dissolved Mercury	**0.051**	ug/L	0.020 *	0.066	1		07/12/2016 08:45	07/13/2016 09:27	LJF	EPA 7470A
Organic Results										
1,2,4-Trimethylbenzene	**0.90**	ug/L	0.40 *	1.3	1			07/15/2016 14:51	AMA	EPA 8021M
m & p-Xylene	<0.80	ug/L	0.80	2.8	1			07/15/2016 14:51	AMA	EPA 8021M
Naphthalene	<0.90	ug/L	0.90	2.9	1			07/15/2016 14:51	AMA	EPA 8021M
o-Xylene	<0.40	ug/L	0.40	1.4	1			07/15/2016 14:51	AMA	EPA 8021M
TPH as Mineral Spirits	<34	ug/L	34	110	1		07/13/2016 10:00	07/14/2016 11:16	SRT	EPA 8015
2,3,4,6-Tetrachlorophenol	**0.61**	ug/L	0.14 *	1.0	1		07/13/2016 12:30	07/14/2016 12:43	RPN	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	0.12	1.0	1		07/13/2016 12:30	07/14/2016 12:43	RPN	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	0.52	1.6	1		07/13/2016 12:30	07/14/2016 12:43	RPN	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	0.13	1.0	1		07/13/2016 12:30	07/14/2016 12:43	RPN	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	0.21	1.0	1		07/13/2016 12:30	07/14/2016 12:43	RPN	EPA 8270D

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

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TRC ENVIRONMENTAL
Project Name: WAULECO
Project #: 189597.0004
Project Phase:

Contract #: 2399
Folder #: 120312

CT LAB Sample#: 742837 Sample Description: W10B Sampled: 07/07/2016 0735

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,4-Dinitrophenol	<3.0	ug/L	0.30	1.0	1		07/13/2016 12:30	07/14/2016 12:43	RPN	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	0.41	1.4	1		07/13/2016 12:30	07/14/2016 12:43	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	0.12	1.0	1		07/13/2016 12:30	07/14/2016 12:43	RPN	EPA 8270D
2-Methylphenol	<3.0	ug/L	0.15	1.0	1		07/13/2016 12:30	07/14/2016 12:43	RPN	EPA 8270D
2-Nitrophenol	<3.0	ug/L	0.12	1.0	1		07/13/2016 12:30	07/14/2016 12:43	RPN	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	0.18	1.0	1		07/13/2016 12:30	07/14/2016 12:43	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	0.31	1.1	1		07/13/2016 12:30	07/14/2016 12:43	RPN	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	0.14	1.0	1		07/13/2016 12:30	07/14/2016 12:43	RPN	EPA 8270D
4-Nitrophenol	<3.0	ug/L	0.21	1.0	1		07/13/2016 12:30	07/14/2016 12:43	RPN	EPA 8270D
Pentachlorophenol	**14**	ug/L	0.19	1.0	1		07/13/2016 12:30	07/14/2016 12:43	RPN	EPA 8270D
Phenol	<3.0	ug/L	0.25	1.0	1		07/13/2016 12:30	07/14/2016 12:43	RPN	EPA 8270D

CT LAB Sample#: 742838 Sample Description: W19 Sampled: 07/07/2016 0815

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	**1.6**	mg/L	0.040	0.13	1			07/08/2016 14:17	JJF	EPA 9056A
Metals Results										
Dissolved Mercury	**0.074**	ug/L	0.020	0.066	1		07/12/2016 08:45	07/13/2016 09:29	LJF	EPA 7470A
Organic Results										
1,2,4-Trimethylbenzene	**52**	ug/L	0.80	2.6	2			07/15/2016 15:29	AMA	EPA 8021M
m & p-Xylene	**2.9**	ug/L	1.6 *	5.6	2			07/15/2016 15:29	AMA	EPA 8021M
Naphthalene	**3.5**	ug/L	1.8 *	5.8	2			07/15/2016 15:29	AMA	EPA 8021M
o-Xylene	**12**	ug/L	0.80	2.8	2			07/15/2016 15:29	AMA	EPA 8021M

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

CT LAB Sample#: 742838 Sample Description: W19 Sampled: 07/07/2016 0815

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
TPH as Mineral Spirits	**310**	ug/L	33	110	1		07/13/2016 10:00	07/14/2016 11:48	SRT	EPA 8015
2,3,4,6-Tetrachlorophenol	**77**	ug/L	1.4	10	10		07/13/2016 12:30	07/14/2016 13:04	RPN	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	1.2	10	10		07/13/2016 12:30	07/14/2016 13:04	RPN	EPA 8270D
2,4,6-Trichlorophenol	<5.1	ug/L	5.1	16	10		07/13/2016 12:30	07/14/2016 13:04	RPN	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	1.3	10	10		07/13/2016 12:30	07/14/2016 13:04	RPN	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	2.0	10	10		07/13/2016 12:30	07/14/2016 13:04	RPN	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	3.0	10	10		07/13/2016 12:30	07/14/2016 13:04	RPN	EPA 8270D
2,6-Dichlorophenol	<4.1	ug/L	4.1	14	10		07/13/2016 12:30	07/14/2016 13:04	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	1.2	10	10		07/13/2016 12:30	07/14/2016 13:04	RPN	EPA 8270D
2-Methylphenol	<3.0	ug/L	1.5	10	10		07/13/2016 12:30	07/14/2016 13:04	RPN	EPA 8270D
2-Nitrophenol	<3.0	ug/L	1.2	10	10		07/13/2016 12:30	07/14/2016 13:04	RPN	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	1.7	10	10		07/13/2016 12:30	07/14/2016 13:04	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.1	ug/L	3.1	11	10		07/13/2016 12:30	07/14/2016 13:04	RPN	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	1.4	10	10		07/13/2016 12:30	07/14/2016 13:04	RPN	EPA 8270D
4-Nitrophenol	<3.0	ug/L	2.0	10	10		07/13/2016 12:30	07/14/2016 13:04	RPN	EPA 8270D
Pentachlorophenol	**660**	ug/L	3.7	20	20		07/13/2016 12:30	07/14/2016 15:26	RPN	EPA 8270D
Phenol	<3.0	ug/L	2.4	10	10		07/13/2016 12:30	07/14/2016 13:04	RPN	EPA 8270D

CT LAB Sample#: 742839 Sample Description: W17 Sampled: 07/07/2016 0900

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	<0.040	mg/L	0.040	0.13	1			07/08/2016 14:34	JJF	EPA 9056A
Total Sulfate	**2.7**	mg/L	1.0 *	3.2	1			07/08/2016 14:34	JJF	EPA 9056A

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

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TRC ENVIRONMENTAL
Project Name: WAULECO
Project #: 189597.0004
Project Phase:

Contract #: 2399
Folder #: 120312

CT LAB Sample#: 742839 Sample Description: W17 Sampled: 07/07/2016 0900

Analyte	Result	Units	LOD		LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time		Analyst	Method
Total Organic Carbon	**87**	mg/L	0.50		1.7	1			07/12/2016	03:05	JJF	EPA 9060A
Metals Results												
Dissolved Iron	**850**	ug/L	10		32	1			07/08/2016	19:12	NAH	EPA 6010C
Dissolved Manganese	**1410**	ug/L	1.6		5.3	1			07/08/2016	19:12	NAH	EPA 6010C
Dissolved Mercury	**0.052**	ug/L	0.020	*	0.066	1		07/12/2016 08:45	07/13/2016	09:31	LJF	EPA 7470A
Organic Results												
1,2,4-Trimethylbenzene	**20**	ug/L	0.80		2.6	2			07/15/2016	16:07	AMA	EPA 8021M
m & p-Xylene	<1.6	ug/L	1.6		5.6	2			07/15/2016	16:07	AMA	EPA 8021M
Naphthalene	**3.4**	ug/L	1.8	*	5.8	2			07/15/2016	16:07	AMA	EPA 8021M
o-Xylene	**4.1**	ug/L	0.80		2.8	2			07/15/2016	16:07	AMA	EPA 8021M
TPH as Mineral Spirits	**1400**	ug/L	34		110	1		07/13/2016 10:00	07/14/2016	12:19	SRT	EPA 8015
2,3,4,6-Tetrachlorophenol	**1.3**	ug/L	0.28	*	2.0	2		07/13/2016 12:30	07/14/2016	15:47	RPN	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	0.24		2.0	2		07/13/2016 12:30	07/14/2016	15:47	RPN	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	1.0		3.2	2		07/13/2016 12:30	07/14/2016	15:47	RPN	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	0.26		2.0	2		07/13/2016 12:30	07/14/2016	15:47	RPN	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	0.40		2.0	2		07/13/2016 12:30	07/14/2016	15:47	RPN	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	0.58		2.0	2		07/13/2016 12:30	07/14/2016	15:47	RPN	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	0.80		2.8	2		07/13/2016 12:30	07/14/2016	15:47	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	0.24		2.0	2		07/13/2016 12:30	07/14/2016	15:47	RPN	EPA 8270D
2-Methylphenol	<3.0	ug/L	0.30		2.0	2		07/13/2016 12:30	07/14/2016	15:47	RPN	EPA 8270D
2-Nitrophenol	<3.0	ug/L	0.24		2.0	2		07/13/2016 12:30	07/14/2016	15:47	RPN	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	0.34		2.0	2		07/13/2016 12:30	07/14/2016	15:47	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	0.60		2.2	2		07/13/2016 12:30	07/14/2016	15:47	RPN	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	0.28		2.0	2		07/13/2016 12:30	07/14/2016	15:47	RPN	EPA 8270D

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

CT LAB Sample#: 742839 Sample Description: W17 Sampled: 07/07/2016 0900

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
4-Nitrophenol	<3.0	ug/L	0.40	2.0	2		07/13/2016 12:30	07/14/2016 15:47	RPN	EPA 8270D
Pentachlorophenol	**60**	ug/L	0.36	2.0	2		07/13/2016 12:30	07/14/2016 15:47	RPN	EPA 8270D
Phenol	<3.0	ug/L	0.48	2.0	2		07/13/2016 12:30	07/14/2016 15:47	RPN	EPA 8270D

CT LAB Sample#: 742840 Sample Description: TRIP BLANK 03 Sampled: 07/07/2016 0830

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			07/15/2016 14:13	AMA	EPA 8021M
m & p-Xylene	<0.80	ug/L	0.80	2.8	1			07/15/2016 14:13	AMA	EPA 8021M
Naphthalene	<0.90	ug/L	0.90	2.9	1			07/15/2016 14:13	AMA	EPA 8021M
o-Xylene	<0.40	ug/L	0.40	1.4	1			07/15/2016 14:13	AMA	EPA 8021M

CT LAB Sample#: 742844 Sample Description: W3A Sampled: 07/07/2016 1045

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	<0.040	mg/L	0.040	0.13	1			07/08/2016 14:51	JJF	EPA 9056A
Metals Results										
Dissolved Mercury	**0.046**	ug/L	0.020 *	0.066	1		07/12/2016 08:45	07/13/2016 09:33	LJF	EPA 7470A
Organic Results										
1,2,4-Trimethylbenzene	**310**	ug/L	8.0	26	20			07/15/2016 22:20	AMA	EPA 8021M
m & p-Xylene	**21**	ug/L	16 *	56	20			07/15/2016 22:20	AMA	EPA 8021M

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

CT LAB Sample#: 742844   Sample Description: W3A   Sampled: 07/07/2016 1045

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Naphthalene	**27**	ug/L	18 *	58	20			07/15/2016 22:20	AMA	EPA 8021M
o-Xylene	**59**	ug/L	8.0	28	20			07/15/2016 22:20	AMA	EPA 8021M
TPH as Mineral Spirits	**2900**	ug/L	33	110	1		07/13/2016 10:00	07/14/2016 12:51	SRT	EPA 8015
2,3,4,6-Tetrachlorophenol	**39**	ug/L	3.5	25	25		07/13/2016 12:30	07/14/2016 13:45	RPN	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	3.0	25	25		07/13/2016 12:30	07/14/2016 13:45	RPN	EPA 8270D
2,4,6-Trichlorophenol	<13	ug/L	13	40	25		07/13/2016 12:30	07/14/2016 13:45	RPN	EPA 8270D
2,4-Dichlorophenol	<3.3	ug/L	3.3	25	25		07/13/2016 12:30	07/14/2016 13:45	RPN	EPA 8270D
2,4-Dimethylphenol	<5.1	ug/L	5.1	25	25		07/13/2016 12:30	07/14/2016 13:45	RPN	EPA 8270D
2,4-Dinitrophenol	<7.3	ug/L	7.3	25	25		07/13/2016 12:30	07/14/2016 13:45	RPN	EPA 8270D
2,6-Dichlorophenol	<10	ug/L	10	35	25		07/13/2016 12:30	07/14/2016 13:45	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	3.0	25	25		07/13/2016 12:30	07/14/2016 13:45	RPN	EPA 8270D
2-Methylphenol	<3.8	ug/L	3.8	25	25		07/13/2016 12:30	07/14/2016 13:45	RPN	EPA 8270D
2-Nitrophenol	<3.0	ug/L	3.0	25	25		07/13/2016 12:30	07/14/2016 13:45	RPN	EPA 8270D
3 & 4-Methylphenol	<4.3	ug/L	4.3	25	25		07/13/2016 12:30	07/14/2016 13:45	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<7.6	ug/L	7.6	28	25		07/13/2016 12:30	07/14/2016 13:45	RPN	EPA 8270D
4-Chloro-3-methylphenol	<3.5	ug/L	3.5	25	25		07/13/2016 12:30	07/14/2016 13:45	RPN	EPA 8270D
4-Nitrophenol	<5.1	ug/L	5.1	25	25		07/13/2016 12:30	07/14/2016 13:45	RPN	EPA 8270D
Pentachlorophenol	**780**	ug/L	4.5	25	25		07/13/2016 12:30	07/14/2016 13:45	RPN	EPA 8270D
Phenol	<6.1	ug/L	6.1	25	25		07/13/2016 12:30	07/14/2016 13:45	RPN	EPA 8270D

CT LAB Sample#: 742845   Sample Description: W2   Sampled: 07/07/2016 1200

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

Inorganic Results

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

CT LAB Sample#: 742845 Sample Description: W2 Sampled: 07/07/2016 1200

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Nitrate Nitrogen Total	**1.6**	mg/L	0.040	0.13	1			07/08/2016 15:08	JJF	EPA 9056A
Metals Results										
Dissolved Mercury	**0.063**	ug/L	0.020 *	0.066	1		07/12/2016 08:45	07/13/2016 09:36	LJF	EPA 7470A
Organic Results										
1,2,4-Trimethylbenzene	**750**	ug/L	8.0	26	20			07/15/2016 22:58	AMA	EPA 8021M
m & p-Xylene	**31**	ug/L	16 *	56	20			07/15/2016 22:58	AMA	EPA 8021M
Naphthalene	**91**	ug/L	18	58	20			07/15/2016 22:58	AMA	EPA 8021M
o-Xylene	**95**	ug/L	8.0	28	20			07/15/2016 22:58	AMA	EPA 8021M
TPH as Mineral Spirits	**2400**	ug/L	34	110	1		07/13/2016 10:00	07/14/2016 13:23	SRT	EPA 8015
2,3,4,6-Tetrachlorophenol	**67**	ug/L	7.1	51	50		07/13/2016 12:30	07/14/2016 14:05	RPN	EPA 8270D
2,4,5-Trichlorophenol	<6.1	ug/L	6.1	51	50		07/13/2016 12:30	07/14/2016 14:05	RPN	EPA 8270D
2,4,6-Trichlorophenol	<26	ug/L	26	82	50		07/13/2016 12:30	07/14/2016 14:05	RPN	EPA 8270D
2,4-Dichlorophenol	<6.6	ug/L	6.6	51	50		07/13/2016 12:30	07/14/2016 14:05	RPN	EPA 8270D
2,4-Dimethylphenol	<10	ug/L	10	51	50		07/13/2016 12:30	07/14/2016 14:05	RPN	EPA 8270D
2,4-Dinitrophenol	<15	ug/L	15	51	50		07/13/2016 12:30	07/14/2016 14:05	RPN	EPA 8270D
2,6-Dichlorophenol	<20	ug/L	20	71	50		07/13/2016 12:30	07/14/2016 14:05	RPN	EPA 8270D
2-Chlorophenol	<6.1	ug/L	6.1	51	50		07/13/2016 12:30	07/14/2016 14:05	RPN	EPA 8270D
2-Methylphenol	<7.7	ug/L	7.7	51	50		07/13/2016 12:30	07/14/2016 14:05	RPN	EPA 8270D
2-Nitrophenol	<6.1	ug/L	6.1	51	50		07/13/2016 12:30	07/14/2016 14:05	RPN	EPA 8270D
3 & 4-Methylphenol	<8.7	ug/L	8.7	51	50		07/13/2016 12:30	07/14/2016 14:05	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<15	ug/L	15	56	50		07/13/2016 12:30	07/14/2016 14:05	RPN	EPA 8270D
4-Chloro-3-methylphenol	<7.1	ug/L	7.1	51	50		07/13/2016 12:30	07/14/2016 14:05	RPN	EPA 8270D
4-Nitrophenol	<10	ug/L	10	51	50		07/13/2016 12:30	07/14/2016 14:05	RPN	EPA 8270D
Pentachlorophenol	**1500**	ug/L	9.2	51	50		07/13/2016 12:30	07/14/2016 14:05	RPN	EPA 8270D

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

CT LAB Sample#: 742845 Sample Description: W2 Sampled: 07/07/2016 1200

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Phenol	<12	ug/L	12	51	50		07/13/2016 12:30	07/14/2016 14:05	RPN	EPA 8270D

CT LAB Sample#: 742846 Sample Description: W2 DUP Sampled: 07/07/2016 1200

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	**1.6**	mg/L	0.040	0.13	1			07/08/2016 15:24	JJF	EPA 9056A
Metals Results										
Dissolved Mercury	**0.065**	ug/L	0.020 *	0.066	1		07/12/2016 08:45	07/13/2016 09:38	LJF	EPA 7470A
Organic Results										
1,2,4-Trimethylbenzene	**880**	ug/L	20	65	50			07/15/2016 23:36	AMA	EPA 8021M
m & p-Xylene	**49**	ug/L	40 *	140	50			07/15/2016 23:36	AMA	EPA 8021M
Naphthalene	**110**	ug/L	45 *	150	50			07/15/2016 23:36	AMA	EPA 8021M
o-Xylene	**120**	ug/L	20	70	50			07/15/2016 23:36	AMA	EPA 8021M
TPH as Mineral Spirits	**2900**	ug/L	33	110	1		07/13/2016 10:00	07/14/2016 13:54	SRT	EPA 8015
2,3,4,6-Tetrachlorophenol	**57**	ug/L	7.1	51	50		07/13/2016 12:30	07/14/2016 14:25	RPN	EPA 8270D
2,4,5-Trichlorophenol	<6.1	ug/L	6.1	51	50		07/13/2016 12:30	07/14/2016 14:25	RPN	EPA 8270D
2,4,6-Trichlorophenol	<26	ug/L	26	82	50		07/13/2016 12:30	07/14/2016 14:25	RPN	EPA 8270D
2,4-Dichlorophenol	<6.6	ug/L	6.6	51	50		07/13/2016 12:30	07/14/2016 14:25	RPN	EPA 8270D
2,4-Dimethylphenol	<10	ug/L	10	51	50		07/13/2016 12:30	07/14/2016 14:25	RPN	EPA 8270D
2,4-Dinitrophenol	<15	ug/L	15	51	50		07/13/2016 12:30	07/14/2016 14:25	RPN	EPA 8270D
2,6-Dichlorophenol	<20	ug/L	20	71	50		07/13/2016 12:30	07/14/2016 14:25	RPN	EPA 8270D
2-Chlorophenol	<6.1	ug/L	6.1	51	50		07/13/2016 12:30	07/14/2016 14:25	RPN	EPA 8270D

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

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Project Name: WAULECO
Project #: 189597.0004
Project Phase:

Contract #: 2399
Folder #: 120312

CT LAB Sample#: 742846 Sample Description: W2 DUP Sampled: 07/07/2016 1200

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2-Methylphenol	<7.7	ug/L	7.7	51	50		07/13/2016 12:30	07/14/2016 14:25	RPN	EPA 8270D
2-Nitrophenol	<6.1	ug/L	6.1	51	50		07/13/2016 12:30	07/14/2016 14:25	RPN	EPA 8270D
3 & 4-Methylphenol	<8.7	ug/L	8.7	51	50		07/13/2016 12:30	07/14/2016 14:25	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<15	ug/L	15	56	50		07/13/2016 12:30	07/14/2016 14:25	RPN	EPA 8270D
4-Chloro-3-methylphenol	<7.1	ug/L	7.1	51	50		07/13/2016 12:30	07/14/2016 14:25	RPN	EPA 8270D
4-Nitrophenol	<10	ug/L	10	51	50		07/13/2016 12:30	07/14/2016 14:25	RPN	EPA 8270D
Pentachlorophenol	**1400**	ug/L	9.2	51	50		07/13/2016 12:30	07/14/2016 14:25	RPN	EPA 8270D
Phenol	<12	ug/L	12	51	50		07/13/2016 12:30	07/14/2016 14:25	RPN	EPA 8270D

CT LAB Sample#: 742847 Sample Description: W39 Sampled: 07/07/2016 1305

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	**0.38**	mg/L	0.040	0.13	1			07/08/2016 15:41	JJF	EPA 9056A
Metals Results										
Dissolved Mercury	**0.082**	ug/L	0.020	0.066	1		07/12/2016 08:45	07/13/2016 09:40	LJF	EPA 7470A
Organic Results										
1,2,4-Trimethylbenzene	**130**	ug/L	2.0	6.5	5			07/16/2016 01:30	AMA	EPA 8021M
m & p-Xylene	**6.0**	ug/L	4.0 *	14	5			07/16/2016 01:30	AMA	EPA 8021M
Naphthalene	**19**	ug/L	4.5	15	5			07/16/2016 01:30	AMA	EPA 8021M
o-Xylene	**20**	ug/L	2.0	7.0	5			07/16/2016 01:30	AMA	EPA 8021M
TPH as Mineral Spirits	**2000**	ug/L	33	110	1		07/13/2016 10:00	07/14/2016 14:26	SRT	EPA 8015
2,3,4,6-Tetrachlorophenol	**33**	ug/L	2.8	20	20		07/13/2016 12:30	07/14/2016 14:46	RPN	EPA 8270D

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

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Project Name: WAULECO
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Folder #: 120312

CT LAB Sample#: 742847 Sample Description: W39 Sampled: 07/07/2016 1305

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,4,5-Trichlorophenol	<3.0	ug/L	2.4	20	20		07/13/2016 12:30	07/14/2016 14:46	RPN	EPA 8270D
2,4,6-Trichlorophenol	<10	ug/L	10	32	20		07/13/2016 12:30	07/14/2016 14:46	RPN	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	2.6	20	20		07/13/2016 12:30	07/14/2016 14:46	RPN	EPA 8270D
2,4-Dimethylphenol	<4.0	ug/L	4.0	20	20		07/13/2016 12:30	07/14/2016 14:46	RPN	EPA 8270D
2,4-Dinitrophenol	<5.9	ug/L	5.9	20	20		07/13/2016 12:30	07/14/2016 14:46	RPN	EPA 8270D
2,6-Dichlorophenol	<8.1	ug/L	8.1	28	20		07/13/2016 12:30	07/14/2016 14:46	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	2.4	20	20		07/13/2016 12:30	07/14/2016 14:46	RPN	EPA 8270D
2-Methylphenol	<3.0	ug/L	3.0	20	20		07/13/2016 12:30	07/14/2016 14:46	RPN	EPA 8270D
2-Nitrophenol	<3.0	ug/L	2.4	20	20		07/13/2016 12:30	07/14/2016 14:46	RPN	EPA 8270D
3 & 4-Methylphenol	<3.4	ug/L	3.4	20	20		07/13/2016 12:30	07/14/2016 14:46	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<6.1	ug/L	6.1	22	20		07/13/2016 12:30	07/14/2016 14:46	RPN	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	2.8	20	20		07/13/2016 12:30	07/14/2016 14:46	RPN	EPA 8270D
4-Nitrophenol	<4.0	ug/L	4.0	20	20		07/13/2016 12:30	07/14/2016 14:46	RPN	EPA 8270D
Pentachlorophenol	**790**	ug/L	3.6	20	20		07/13/2016 12:30	07/14/2016 14:46	RPN	EPA 8270D
Phenol	<4.8	ug/L	4.8	20	20		07/13/2016 12:30	07/14/2016 14:46	RPN	EPA 8270D

CT LAB Sample#: 742848 Sample Description: W26 Sampled: 07/07/2016 1355

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	**2.7**	mg/L	0.040	0.13	1			07/08/2016 15:58	JJF	EPA 9056A
Total Sulfate	**40**	mg/L	1.0	3.2	1			07/08/2016 15:58	JJF	EPA 9056A
Total Organic Carbon	**3.7**	mg/L	0.50	1.7	1			07/12/2016 14:22	JJF	EPA 9060A
Metals Results										

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Contract #: 2399
Folder #: 120312

CT LAB Sample#: 742848 Sample Description: W26 Sampled: 07/07/2016 1355

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dissolved Iron	<10	ug/L	10	32	1			07/08/2016 19:19	NAH	EPA 6010C
Dissolved Manganese	**221**	ug/L	1.6	5.3	1			07/08/2016 19:19	NAH	EPA 6010C
Dissolved Mercury	**0.042**	ug/L	0.020 *	0.066	1		07/12/2016 08:45	07/13/2016 09:42	LJF	EPA 7470A
Organic Results										
1,2,4-Trimethylbenzene	**0.50**	ug/L	0.40 *	1.3	1			07/16/2016 02:08	AMA	EPA 8021M
m & p-Xylene	<0.80	ug/L	0.80	2.8	1			07/16/2016 02:08	AMA	EPA 8021M
Naphthalene	<0.90	ug/L	0.90	2.9	1			07/16/2016 02:08	AMA	EPA 8021M
o-Xylene	<0.40	ug/L	0.40	1.4	1			07/16/2016 02:08	AMA	EPA 8021M
TPH as Mineral Spirits	<33	ug/L	33	110	1		07/13/2016 10:00	07/14/2016 14:58	SRT	EPA 8015
2,3,4,6-Tetrachlorophenol	**46**	ug/L	1.4	10	10		07/13/2016 12:30	07/14/2016 15:06	RPN	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	1.2	10	10		07/13/2016 12:30	07/14/2016 15:06	RPN	EPA 8270D
2,4,6-Trichlorophenol	<5.1	ug/L	5.1	16	10		07/13/2016 12:30	07/14/2016 15:06	RPN	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	1.3	10	10		07/13/2016 12:30	07/14/2016 15:06	RPN	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	2.0	10	10		07/13/2016 12:30	07/14/2016 15:06	RPN	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	2.9	10	10		07/13/2016 12:30	07/14/2016 15:06	RPN	EPA 8270D
2,6-Dichlorophenol	<4.0	ug/L	4.0	14	10		07/13/2016 12:30	07/14/2016 15:06	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	1.2	10	10		07/13/2016 12:30	07/14/2016 15:06	RPN	EPA 8270D
2-Methylphenol	<3.0	ug/L	1.5	10	10		07/13/2016 12:30	07/14/2016 15:06	RPN	EPA 8270D
2-Nitrophenol	<3.0	ug/L	1.2	10	10		07/13/2016 12:30	07/14/2016 15:06	RPN	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	1.7	10	10		07/13/2016 12:30	07/14/2016 15:06	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	3.0	11	10		07/13/2016 12:30	07/14/2016 15:06	RPN	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	1.4	10	10		07/13/2016 12:30	07/14/2016 15:06	RPN	EPA 8270D
4-Nitrophenol	<3.0	ug/L	2.0	10	10		07/13/2016 12:30	07/14/2016 15:06	RPN	EPA 8270D
Pentachlorophenol	**570**	ug/L	3.6	20	20		07/13/2016 12:30	07/14/2016 16:07	RPN	EPA 8270D

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

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TRC ENVIRONMENTAL
Project Name: WAULECO
Project #: 189597.0004
Project Phase:

Contract #: 2399
Folder #: 120312

CT LAB Sample#: 742848 Sample Description: W26 Sampled: 07/07/2016 1355

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Phenol	<3.0	ug/L	2.4	10	10		07/13/2016 12:30	07/14/2016 15:06	RPN	EPA 8270D

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

TRC ENVIRONMENTAL
Project Name: WAULECO
Project #: 189597.0004
Project Phase:

Contract #: 2399
Folder #: 120312

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	BOD 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

Kansas NELAP ID# E-10368
Kentucky ID# 0023
ISO/IEC 17025-2005 A2LA Cert # 3806.01
North Carolina ID# 674
Wisconsin (WDNR) Chemistry ID# 157066030
Wisconsin (DATCP) Bacteriology ID# 105-289
DoD-ELAP A2LA 3806.01
GA EPD Stipulation ID E871111, Expires Annually
Louisiana ID # 115843
Virginia ID# 7608
Illinois NELAP ID # 002413
Wisconsin (WOSB) ID# WI-5499-WBE
Maryland ID# 344

Rev. 3/2003

Chain of Custody

Page _______ of _______

Company Name: TRC
Project Contact: Bruce Iverson
Telephone: 608-826-3644
Project Name: Wauleco
Project Number: 189597.0004
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

Folder #: 120312
Company: TRC ENVIRONMENTA
Project: WAULECO
Logged By: BNA PM BM

Ice Present (Yes) No
Temperature <6.3°C
Initials JPB
Date 7-8-16 Time 11:00
Cooler # 5638, 5692, 5308

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. 91065

Contract No.

Regulatory Program:
UST RCRA SDWA NPDES
Solid Waste Other __________

Turnaround Time
Normal RUSH* Date Needed ______________
*Notify Lab prior to sending in RUSH
Surcharges 24 hr 200% 2-3 days 100% 4-9 days 50%
Surcharges subject to change without notice.

Landfill License Number ______________

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

Fill in Spaces with Bottles per Test

Collection Date	Collection Time	Field Screen	Field ID	Grab/Comp	Sample ID Description	Filt'd Y/N	WDNR Well ID #	**Matrix:	Phenols (8270)	TPH	VOC's (8020)	Diss. Hg	Nitrate	Sulfate	TOC	Diss. Fe, Mn	Total No of Containers	Total No of Cont. Rec'd	Preservation*	Lab ID #
7/7/16	0735			G	W10B	N		GW	2	1	3	1	1				8			742837
↓	0815			↓	W19	↓		↓	↓	↓	↓	↓	↓				↓			742838
↓	0900			↓	W17	↓		↓	↓	↓	↓	↓	↓	✓	1	✓	9			742839
↓	0830			↓	Trip Blank 03	↓		↓			1						1			742840
↓	1045			↓	W3A	↓		↓	2	1	3	1	1				8			742844
↓	1200			↓	W2	↓		↓	↓	↓	↓	↓	↓				↓			742845
↓	1200			↓	W2 Dup	↓		↓	↓	↓	↓	↓	↓				↓			742846
↓	1305			↓	W39	↓		↓	↓	↓	↓	↓	↓				↓			742847
↓	1355			↓	W26	↓		↓	↓	↓	↓	↓	↓	✓	1	✓	9			742848
									A	A	B	D	A	A	C	D			←	

Relinquished By:	Date/Time	Relinquished By:	Date/Time
T.J. Dushek	7/7/16 1520		
Received by:	**Date/Time**	**Received by:**	**Date/Time**
[signature]	7-8-16 11:00 JPB	[signature]	7-8-16 1140

**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 ________

FORM #: FPM3-0
Rev. #: 1
Effective Date: 05/27/201
Page 1 of

Cooler Receipt Form

Ice Present YES NO

Temperature 6.3°C

IR Gun # 16

Initials JDR

Date 7-8-16 Time 11:00

Cooler #: 5638

TOM DUSHEK
TRC ENVIROTRC
125 ROSECRANS STREET
WAUSAU WI 54401

50 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 4019 8321

BILLING: P/P
DESC: Environmental Samples
RETURN SERVICE

XOL 16.04.03 WNTNV50 75.0A 04/2016

FOLD HERE

CUSTODY SEAL

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

Cooler Receipt Form

Ice Present YES NO

Temperature 4.6°C

IR Gun # 16

Initials JOB

Date 7-8-16 Time 11:00

Cooler #: 5692

TOM DUSHEK
TRC ENVIROTRC
125 ROSECRANS STREET
WAUSAU WI 54401

50 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 4192 3946

BILLING: P/P
DESC: Environmental Samples
RETURN SERVICE

XOL 16.04.03 WNTNV50 75.0A 04/2016

FOLD HERE

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

CUSTODY SEAL
DATE
SIGNATURE

Cooler Receipt Form

Ice Present YES NO

Temperature 4.6°C

IR Gun # 16

Initials JDB

Date 7-8-16 Time 11:00

Cooler #: 5308

TOM DUSHEK
TRC ENVIROTRC
125 ROSECRANS STREET
WAUSAU WI 54401

50 LBS 1 OF 1

RS

SHIP TO:
SHIPPING DEPT
6083562760
CT LABS
1230 LANGE CT
BARABOO WI 53913

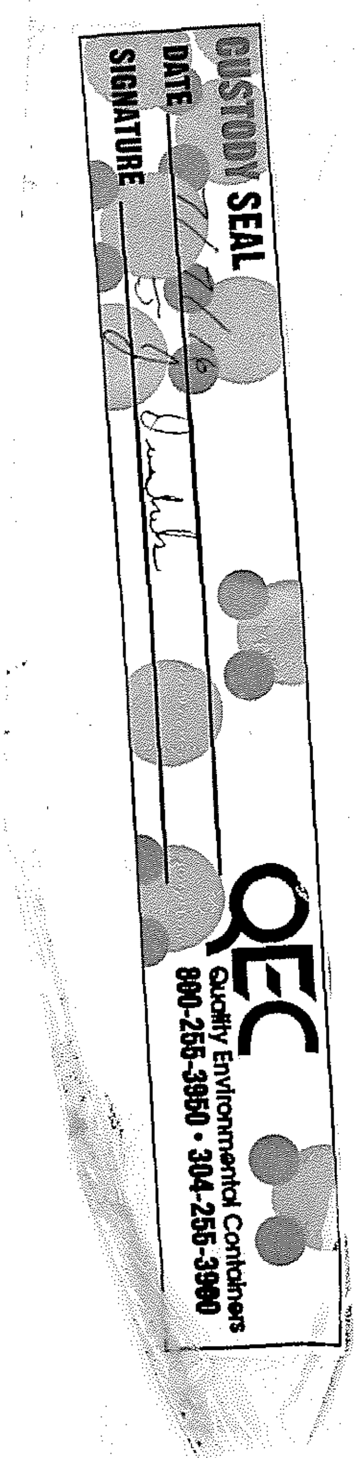
WI 539 0-10

UPS GROUND
TRACKING #: 1Z 1A3 77E 90 4079 2938

BILLING: P/P
DESC: Environmental Samples
RETURN SERVICE

XOL 16.04.03 WNTNV50 75.0A 04/2016

FOLD HERE



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608-356-2760 • www.ctlaboratories.com

ANALYTICAL REPORT

TRC ENVIRONMENTAL
BRUCE IVERSON
708 HEARTLAND TRAIL
MADISON, WI 53717

Project Name: WAULECO
Project Phase:
Contract #: 2399
Project #: 189597.0004
Folder #: 120370
Purchase Order #: 91065

Arrival Temperature: <6.1
Report Date: 07/20/2016
Date Received: 07/12/2016
Reprint Date: 07/20/2016

CT LAB Sample#: 743797 Sample Description: W29 Sampled: 07/11/2016 0735

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	**1.3**	mg/L	0.040	0.13	1			07/12/2016 21:38	JJF	EPA 9056A
Metals Results										
Dissolved Mercury	<0.020	ug/L	0.020	0.066	1	M	07/14/2016 08:00	07/15/2016 08:17	LJF	EPA 7470A
Organic Results										
1,2,4-Trimethylbenzene	**8.2**	ug/L	0.40	1.3	1			07/16/2016 10:58	AMA	EPA 8021M
m & p-Xylene	**5.7**	ug/L	0.80	2.8	1			07/16/2016 10:58	AMA	EPA 8021M
Naphthalene	**2.5**	ug/L	0.90 *	2.9	1			07/16/2016 10:58	AMA	EPA 8021M
o-Xylene	**2.4**	ug/L	0.40	1.4	1			07/16/2016 10:58	AMA	EPA 8021M
TPH as Mineral Spirits	**600**	ug/L	33	110	1		07/14/2016 09:00	07/19/2016 11:41	SRT	EPA 8015
2,3,4,6-Tetrachlorophenol	**710**	ug/L	14	100	100		07/14/2016 10:30	07/18/2016 18:34	RPN	EPA 8270D
2,4,5-Trichlorophenol	<12	ug/L	12	100	100		07/14/2016 10:30	07/18/2016 18:34	RPN	EPA 8270D
2,4,6-Trichlorophenol	<51	ug/L	51	160	100		07/14/2016 10:30	07/18/2016 18:34	RPN	EPA 8270D
2,4-Dichlorophenol	<13	ug/L	13	100	100		07/14/2016 10:30	07/18/2016 18:34	RPN	EPA 8270D
2,4-Dimethylphenol	<20	ug/L	20	100	100		07/14/2016 10:30	07/18/2016 18:34	RPN	EPA 8270D

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

CT LAB Sample#: 743797 Sample Description: W29 Sampled: 07/11/2016 0735

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,4-Dinitrophenol	<29	ug/L	29	100	100		07/14/2016 10:30	07/18/2016 18:34	RPN	EPA 8270D
2,6-Dichlorophenol	<40	ug/L	40	140	100		07/14/2016 10:30	07/18/2016 18:34	RPN	EPA 8270D
2-Chlorophenol	<12	ug/L	12	100	100		07/14/2016 10:30	07/18/2016 18:34	RPN	EPA 8270D
2-Methylphenol	<15	ug/L	15	100	100		07/14/2016 10:30	07/18/2016 18:34	RPN	EPA 8270D
2-Nitrophenol	<12	ug/L	12	100	100		07/14/2016 10:30	07/18/2016 18:34	RPN	EPA 8270D
3 & 4-Methylphenol	<17	ug/L	17	100	100		07/14/2016 10:30	07/18/2016 18:34	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<30	ug/L	30	110	100		07/14/2016 10:30	07/18/2016 18:34	RPN	EPA 8270D
4-Chloro-3-methylphenol	<14	ug/L	14	100	100		07/14/2016 10:30	07/18/2016 18:34	RPN	EPA 8270D
4-Nitrophenol	<20	ug/L	20	100	100		07/14/2016 10:30	07/18/2016 18:34	RPN	EPA 8270D
Pentachlorophenol	**6600**	ug/L	45	250	250		07/14/2016 10:30	07/19/2016 12:19	RPN	EPA 8270D
Phenol	<24	ug/L	24	100	100		07/14/2016 10:30	07/18/2016 18:34	RPN	EPA 8270D

CT LAB Sample#: 743801 Sample Description: W29 DUP Sampled: 07/11/2016 0735

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	**1.1**	mg/L	0.040	0.13	1			07/12/2016 21:56	JJF	EPA 9056A
Metals Results										
Dissolved Mercury	<0.020	ug/L	0.020	0.066	1		07/14/2016 08:00	07/15/2016 08:26	LJF	EPA 7470A
Organic Results										
1,2,4-Trimethylbenzene	**7.5**	ug/L	0.40	1.3	1			07/16/2016 15:22	AMA	EPA 8021M
m & p-Xylene	**5.3**	ug/L	0.80	2.8	1			07/16/2016 15:22	AMA	EPA 8021M
Naphthalene	**2.8**	ug/L	0.90 *	2.9	1			07/16/2016 15:22	AMA	EPA 8021M
o-Xylene	**2.2**	ug/L	0.40	1.4	1			07/16/2016 15:22	AMA	EPA 8021M

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

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TRC ENVIRONMENTAL
Project Name: WAULECO
Project #: 189597.0004
Project Phase:

Contract #: 2399
Folder #: 120370

CT LAB Sample#: 743801 Sample Description: W29 DUP Sampled: 07/11/2016 0735

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
TPH as Mineral Spirits	**600**	ug/L	34	110	1		07/14/2016 09:00	07/19/2016 12:12	SRT	EPA 8015
2,3,4,6-Tetrachlorophenol	**660**	ug/L	14	100	100		07/14/2016 10:30	07/18/2016 18:54	RPN	EPA 8270D
2,4,5-Trichlorophenol	<12	ug/L	12	100	100		07/14/2016 10:30	07/18/2016 18:54	RPN	EPA 8270D
2,4,6-Trichlorophenol	<51	ug/L	51	160	100		07/14/2016 10:30	07/18/2016 18:54	RPN	EPA 8270D
2,4-Dichlorophenol	<13	ug/L	13	100	100		07/14/2016 10:30	07/18/2016 18:54	RPN	EPA 8270D
2,4-Dimethylphenol	<20	ug/L	20	100	100		07/14/2016 10:30	07/18/2016 18:54	RPN	EPA 8270D
2,4-Dinitrophenol	<29	ug/L	29	100	100		07/14/2016 10:30	07/18/2016 18:54	RPN	EPA 8270D
2,6-Dichlorophenol	<40	ug/L	40	140	100		07/14/2016 10:30	07/18/2016 18:54	RPN	EPA 8270D
2-Chlorophenol	<12	ug/L	12	100	100		07/14/2016 10:30	07/18/2016 18:54	RPN	EPA 8270D
2-Methylphenol	<15	ug/L	15	100	100		07/14/2016 10:30	07/18/2016 18:54	RPN	EPA 8270D
2-Nitrophenol	<12	ug/L	12	100	100		07/14/2016 10:30	07/18/2016 18:54	RPN	EPA 8270D
3 & 4-Methylphenol	<17	ug/L	17	100	100		07/14/2016 10:30	07/18/2016 18:54	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<30	ug/L	30	110	100		07/14/2016 10:30	07/18/2016 18:54	RPN	EPA 8270D
4-Chloro-3-methylphenol	<14	ug/L	14	100	100		07/14/2016 10:30	07/18/2016 18:54	RPN	EPA 8270D
4-Nitrophenol	<20	ug/L	20	100	100		07/14/2016 10:30	07/18/2016 18:54	RPN	EPA 8270D
Pentachlorophenol	**6400**	ug/L	45	250	250		07/14/2016 10:30	07/19/2016 12:39	RPN	EPA 8270D
Phenol	<24	ug/L	24	100	100		07/14/2016 10:30	07/18/2016 18:54	RPN	EPA 8270D

CT LAB Sample#: 743802 Sample Description: W13 Sampled: 07/11/2016 0830

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	**0.99**	mg/L	0.040	0.13	1			07/12/2016 22:13	JJF	EPA 9056A
Total Sulfate	**16**	mg/L	1.0	3.2	1			07/12/2016 22:13	JJF	EPA 9056A

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

CT LABORATORIES
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TRC ENVIRONMENTAL
Project Name: WAULECO
Project #: 189597.0004
Project Phase:

Contract #: 2399
Folder #: 120370

CT LAB Sample#: 743802 Sample Description: W13 Sampled: 07/11/2016 0830

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Total Organic Carbon	**3.1**	mg/L	0.50	1.7	1			07/14/2016 19:59	JJF	EPA 9060A
Metals Results										
Dissolved Iron	**128**	ug/L	10	32	1			07/13/2016 12:36	NAH	EPA 6010C
Dissolved Manganese	**40.7**	ug/L	1.6	5.3	1			07/13/2016 12:36	NAH	EPA 6010C
Dissolved Mercury	**0.095**	ug/L	0.020	0.066	1		07/14/2016 08:00	07/15/2016 08:28	LJF	EPA 7470A
Organic Results										
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			07/16/2016 16:00	AMA	EPA 8021M
m & p-Xylene	<0.80	ug/L	0.80	2.8	1			07/16/2016 16:00	AMA	EPA 8021M
Naphthalene	<0.90	ug/L	0.90	2.9	1			07/16/2016 16:00	AMA	EPA 8021M
o-Xylene	<0.40	ug/L	0.40	1.4	1			07/16/2016 16:00	AMA	EPA 8021M
TPH as Mineral Spirits	<33	ug/L	33	110	1		07/14/2016 09:00	07/19/2016 12:44	SRT	EPA 8015
2,3,4,6-Tetrachlorophenol	<3.0	ug/L	0.14	1.0	1		07/14/2016 10:30	07/18/2016 16:15	RPN	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	0.12	1.0	1		07/14/2016 10:30	07/18/2016 16:15	RPN	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	0.51	1.6	1		07/14/2016 10:30	07/18/2016 16:15	RPN	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	0.13	1.0	1		07/14/2016 10:30	07/18/2016 16:15	RPN	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	0.20	1.0	1		07/14/2016 10:30	07/18/2016 16:15	RPN	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	0.29	1.0	1		07/14/2016 10:30	07/18/2016 16:15	RPN	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	0.40	1.4	1		07/14/2016 10:30	07/18/2016 16:15	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	0.12	1.0	1		07/14/2016 10:30	07/18/2016 16:15	RPN	EPA 8270D
2-Methylphenol	<3.0	ug/L	0.15	1.0	1		07/14/2016 10:30	07/18/2016 16:15	RPN	EPA 8270D
2-Nitrophenol	<3.0	ug/L	0.12	1.0	1		07/14/2016 10:30	07/18/2016 16:15	RPN	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	0.17	1.0	1		07/14/2016 10:30	07/18/2016 16:15	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	0.30	1.1	1		07/14/2016 10:30	07/18/2016 16:15	RPN	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	0.14	1.0	1		07/14/2016 10:30	07/18/2016 16:15	RPN	EPA 8270D

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

CT LABORATORIES

delivering more than data from your environmental analyses

TRC ENVIRONMENTAL
Project Name: WAULECO
Project #: 189597.0004
Project Phase:

Contract #: 2399
Folder #: 120370

CT LAB Sample#: 743802 Sample Description: W13 Sampled: 07/11/2016 0830

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
4-Nitrophenol	<3.0	ug/L	0.20	1.0	1		07/14/2016 10:30	07/18/2016 16:15	RPN	EPA 8270D
Pentachlorophenol	<3.0	ug/L	0.18	1.0	1		07/14/2016 10:30	07/18/2016 16:15	RPN	EPA 8270D
Phenol	<3.0	ug/L	0.24	1.0	1		07/14/2016 10:30	07/18/2016 16:15	RPN	EPA 8270D

CT LAB Sample#: 743803 Sample Description: TRIP BLANK 04 Sampled: 07/11/2016 0750

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			07/16/2016 09:42	AMA	EPA 8021M
m & p-Xylene	<0.80	ug/L	0.80	2.8	1			07/16/2016 09:42	AMA	EPA 8021M
Naphthalene	<0.90	ug/L	0.90	2.9	1			07/16/2016 09:42	AMA	EPA 8021M
o-Xylene	<0.40	ug/L	0.40	1.4	1			07/16/2016 09:42	AMA	EPA 8021M

CT LAB Sample#: 743804 Sample Description: W22 Sampled: 07/11/2016 1130

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	**0.60**	mg/L	0.040	0.13	1			07/12/2016 22:30	JJF	EPA 9056A
Total Sulfate	**14**	mg/L	1.0	3.2	1			07/12/2016 22:30	JJF	EPA 9056A
Total Organic Carbon	**8.9**	mg/L	0.50	1.7	1			07/14/2016 20:11	JJF	EPA 9060A
Metals Results										
Dissolved Iron	**21.1**	ug/L	10 *	32	1			07/13/2016 12:43	NAH	EPA 6010C
Dissolved Manganese	**1010**	ug/L	1.6	5.3	1			07/13/2016 12:43	NAH	EPA 6010C

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

CT LAB Sample#: 743804 Sample Description: W22 Sampled: 07/11/2016 1130

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dissolved Mercury	**0.12**	ug/L	0.020	0.066	1		07/14/2016 08:00	07/15/2016 08:30	LJF	EPA 7470A
Organic Results										
1,2,4-Trimethylbenzene	**300**	ug/L	4.0	13	10			07/16/2016 16:38	AMA	EPA 8021M
m & p-Xylene	**26**	ug/L	8.0 *	28	10			07/16/2016 16:38	AMA	EPA 8021M
Naphthalene	**45**	ug/L	9.0	29	10			07/16/2016 16:38	AMA	EPA 8021M
o-Xylene	**89**	ug/L	4.0	14	10			07/16/2016 16:38	AMA	EPA 8021M
TPH as Mineral Spirits	**1700**	ug/L	34	110	1		07/14/2016 09:00	07/19/2016 13:16	SRT	EPA 8015
2,3,4,6-Tetrachlorophenol	**240**	ug/L	14	100	100		07/14/2016 10:30	07/18/2016 19:13	RPN	EPA 8270D
2,4,5-Trichlorophenol	<12	ug/L	12	100	100		07/14/2016 10:30	07/18/2016 19:13	RPN	EPA 8270D
2,4,6-Trichlorophenol	<51	ug/L	51	160	100		07/14/2016 10:30	07/18/2016 19:13	RPN	EPA 8270D
2,4-Dichlorophenol	<13	ug/L	13	100	100		07/14/2016 10:30	07/18/2016 19:13	RPN	EPA 8270D
2,4-Dimethylphenol	<20	ug/L	20	100	100		07/14/2016 10:30	07/18/2016 19:13	RPN	EPA 8270D
2,4-Dinitrophenol	<30	ug/L	30	100	100		07/14/2016 10:30	07/18/2016 19:13	RPN	EPA 8270D
2,6-Dichlorophenol	<41	ug/L	41	140	100		07/14/2016 10:30	07/18/2016 19:13	RPN	EPA 8270D
2-Chlorophenol	<12	ug/L	12	100	100		07/14/2016 10:30	07/18/2016 19:13	RPN	EPA 8270D
2-Methylphenol	<15	ug/L	15	100	100		07/14/2016 10:30	07/18/2016 19:13	RPN	EPA 8270D
2-Nitrophenol	<12	ug/L	12	100	100		07/14/2016 10:30	07/18/2016 19:13	RPN	EPA 8270D
3 & 4-Methylphenol	<17	ug/L	17	100	100		07/14/2016 10:30	07/18/2016 19:13	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<31	ug/L	31	110	100		07/14/2016 10:30	07/18/2016 19:13	RPN	EPA 8270D
4-Chloro-3-methylphenol	<14	ug/L	14	100	100		07/14/2016 10:30	07/18/2016 19:13	RPN	EPA 8270D
4-Nitrophenol	<20	ug/L	20	100	100		07/14/2016 10:30	07/18/2016 19:13	RPN	EPA 8270D
Pentachlorophenol	**3000**	ug/L	18	100	100		07/14/2016 10:30	07/18/2016 19:13	RPN	EPA 8270D
Phenol	<24	ug/L	24	100	100		07/14/2016 10:30	07/18/2016 19:13	RPN	EPA 8270D

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

CT LAB Sample#: 743805 Sample Description: W27 Sampled: 07/11/2016 1300

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	**0.17**	mg/L	0.040	0.13	1			07/12/2016 22:47	JJF	EPA 9056A
Total Sulfate	**47**	mg/L	1.0	3.2	1			07/12/2016 22:47	JJF	EPA 9056A
Total Organic Carbon	**23**	mg/L	0.50	1.7	1			07/14/2016 20:24	JJF	EPA 9060A
Metals Results										
Dissolved Iron	**8550**	ug/L	10	32	1			07/13/2016 12:50	NAH	EPA 6010C
Dissolved Manganese	**19600**	ug/L	1.6	5.3	1	M		07/13/2016 12:50	NAH	EPA 6010C
Dissolved Mercury	**0.17**	ug/L	0.020	0.066	1		07/14/2016 08:00	07/15/2016 08:37	LJF	EPA 7470A
Organic Results										
1,2,4-Trimethylbenzene	**720**	ug/L	8.0	26	20			07/16/2016 17:16	AMA	EPA 8021M
m & p-Xylene	**45**	ug/L	16 *	56	20			07/16/2016 17:16	AMA	EPA 8021M
Naphthalene	**91**	ug/L	18	58	20			07/16/2016 17:16	AMA	EPA 8021M
o-Xylene	**130**	ug/L	8.0	28	20			07/16/2016 17:16	AMA	EPA 8021M
TPH as Mineral Spirits	**4300**	ug/L	34	110	1		07/14/2016 09:00	07/19/2016 13:47	SRT	EPA 8015
2,3,4,6-Tetrachlorophenol	**350**	ug/L	14	100	100		07/14/2016 10:30	07/18/2016 19:33	RPN	EPA 8270D
2,4,5-Trichlorophenol	<12	ug/L	12	100	100		07/14/2016 10:30	07/18/2016 19:33	RPN	EPA 8270D
2,4,6-Trichlorophenol	<51	ug/L	51	160	100		07/14/2016 10:30	07/18/2016 19:33	RPN	EPA 8270D
2,4-Dichlorophenol	<13	ug/L	13	100	100		07/14/2016 10:30	07/18/2016 19:33	RPN	EPA 8270D
2,4-Dimethylphenol	<20	ug/L	20	100	100		07/14/2016 10:30	07/18/2016 19:33	RPN	EPA 8270D
2,4-Dinitrophenol	<30	ug/L	30	100	100		07/14/2016 10:30	07/18/2016 19:33	RPN	EPA 8270D
2,6-Dichlorophenol	<41	ug/L	41	140	100		07/14/2016 10:30	07/18/2016 19:33	RPN	EPA 8270D
2-Chlorophenol	<12	ug/L	12	100	100		07/14/2016 10:30	07/18/2016 19:33	RPN	EPA 8270D
2-Methylphenol	<15	ug/L	15	100	100		07/14/2016 10:30	07/18/2016 19:33	RPN	EPA 8270D

CT LABORATORIES

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TRC ENVIRONMENTAL
Project Name: WAULECO
Project #: 189597.0004
Project Phase:

Contract #: 2399
Folder #: 120370

CT LAB Sample#: 743805 Sample Description: W27 Sampled: 07/11/2016 1300

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2-Nitrophenol	<12	ug/L	12	100	100		07/14/2016 10:30	07/18/2016 19:33	RPN	EPA 8270D
3 & 4-Methylphenol	<17	ug/L	17	100	100		07/14/2016 10:30	07/18/2016 19:33	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<31	ug/L	31	110	100		07/14/2016 10:30	07/18/2016 19:33	RPN	EPA 8270D
4-Chloro-3-methylphenol	<14	ug/L	14	100	100		07/14/2016 10:30	07/18/2016 19:33	RPN	EPA 8270D
4-Nitrophenol	<20	ug/L	20	100	100		07/14/2016 10:30	07/18/2016 19:33	RPN	EPA 8270D
Pentachlorophenol	**5200**	ug/L	46	260	250		07/14/2016 10:30	07/19/2016 11:59	RPN	EPA 8270D
Phenol	<24	ug/L	24	100	100		07/14/2016 10:30	07/18/2016 19:33	RPN	EPA 8270D

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

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	BOD 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

Kansas NELAP ID# E-10368
Kentucky ID# 0023
ISO/IEC 17025-2005 A2LA Cert # 3806.01
North Carolina ID# 674
Wisconsin (WDNR) Chemistry ID# 157066030
Wisconsin (DATCP) Bacteriology ID# 105-289
DoD-ELAP A2LA 3806.01
GA EPD Stipulation ID E871111, Expires Annually
Louisiana ID # 115843
Virginia ID# 7608
Illinois NELAP ID # 002413
Wisconsin (WOSB) ID# WI-5499-WBE
Maryland ID# 344

Rev. 3/2003

Chain of Custody

Page ______ of ______

Company Name: TRC
Project Contact: Bruce Iverson
Telephone: 608-826-3644
Project Name: Wauleco
Project Number: 189597.0004
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

Folder #: 120370
Company: TRC ENVIRONMENTA
Project: WAULECO
Logged By: BNA PM: BM

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. 91065
Contract No.

Ice Present Yes No
Temperature <6.1
Initials ABS
Date 7/12/16 Time 1027
Cooler # 5487, 5624, 5844

Regulatory Program:
UST RCRA SDWA NPDES
Solid Waste Other ______

Turnaround Time
Normal RUSH* Date Needed ______
*Notify Lab prior to sending in RUSH
Surcharges 24 hr 200% 2-3 days 100% 4-9 days 50%
Surcharges subject to change without notice.

Landfill License Number ______

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

Fill in Spaces with Bottles per Test

Collection Date	Collection Time	Field Screen	Field ID	Grab/Comp	Sample ID Description	Filt'd Y/N	WDNR Well ID #	**Matrix:	Phenols (8270)	TPH	VOC's (8020)	Diss. Hg	Nitrate	Sulfate	TOC	Diss. Fe, Mn	Total No of Containers	Total No of Cont. Rec'd	Preservation*	Lab ID #
7/11/16	0735			G	W29	N		GW	2	1	3	1	1			added by BAS	8			743797
↓	0735			↓	W29 Dup	↓		↓	↓	↓	↓	↓	↓				↓			743801
	0830				W13				↓	↓	↓	↓	↓	✓	X	✓	↓			743802
	0750				Trip Blank 04						1						1			743803
	1130				W22				2	1	3	1	1	✓	1	✓	9			743804
↓	1300			↓	W27	↓		↓	↓	↓	↓	↓	↓	✓	↓	✓	↓		↓	743805
									A	A	B	D	A	A	C	D				

Relinquished By:	Date/Time	Relinquished By:	Date/Time
T. J. Dushek	7/11/16 1515	[signature]	7/12/16 1027
Received by:	**Date/Time**	**Received by:**	**Date/Time**
		[signature]	7-12-16 1129

**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~~ YES NO

Temperature 5.3

IR Gun # 14

Initials ABS

Date 7/11/16 Time 1027

Cooler #: 5487

TOM DUSHEK
TRC ENVIROTRC
125 ROSECRANS STREET
WAUSAU WI 54401

50 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 4265 6046

BILLING: P/P
DESC: Environmental Samples
RETURN SERVICE

XOL 16.07.31 WNTNV50 75.0A 04/2016

CUSTODY SEAL
DATE 7/11/16
SIGNATURE [illegible]

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

Cooler Receipt Form

Ice Present YES NO

Temperature 6.1

IR Gun # 14

Initials ABS

Date 7/12/16 Time 1018

Cooler #: 5624

TOM DUSHEK
TRC ENVIROTRC
125 ROSECRANS STREET
WAUSAU WI 54401

50 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 4287 9261

BILLING: P/P
DESC: Environmental Samples
RETURN SERVICE

XOL 16.07.31 WNTNV50 75.0A 04/2016

CUSTODY SEAL
DATE
SIGNATURE

QEC Quality Env 800-269

Cooler Receipt Form

Ice Present YES NO

Temperature 4.6

IR Gun # 14

Initials ABS

Date 7/11/16 Time 1035

Cooler #: 5844

TOM DUSHEK
TRC ENVIROTRC
125 ROSECRANS STREET
WAUSAU WI 54401

50 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 4126 3454

BILLING: P/P
DESC: Environmental Samples
RETURN SERVICE

XOL 16.07.31 WNTNV50 75.0A 04/2016

CUSTODY SEAL
DATE
SIGNATURE

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

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608-356-2760 • www.ctlaboratories.com

REVISED
ANALYTICAL REPORT

TRC ENVIRONMENTAL
BRUCE IVERSON
708 HEARTLAND TRAIL
MADISON, WI 53717

Project Name: WAULECO
Project Phase:
Contract #: 2399
Project #: 189597.0004
Folder #: 120371
Purchase Order #: 91065

Arrival Temperature: <6.1
Report Date: 07/20/2016
Date Received: 07/12/2016
Reprint Date: 08/19/2016
Revision Date 08/19/2016

CT LAB Sample#: 743811 Sample Description: DFOMW5 Sampled: 07/11/2016 0925

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
1,2,4-Trimethylbenzene	**0.50**	ug/L	0.40 *	1.3	1			07/16/2016 17:53	AMA	EPA 8021M
m & p-Xylene	<0.80	ug/L	0.80	2.8	1			07/16/2016 17:53	AMA	EPA 8021M
Naphthalene	**3.3**	ug/L	0.90	2.9	1			07/16/2016 17:53	AMA	EPA 8021M
o-Xylene	**0.53**	ug/L	0.40 *	1.4	1			07/16/2016 17:53	AMA	EPA 8021M
TPH as Mineral Spirits	**250**	ug/L	33	110	1		07/14/2016 09:00	07/19/2016 14:19	SRT	EPA 8015
Pentachlorophenol	**0.55**	ug/L	0.18 *	1.0	1		07/14/2016 10:30	07/18/2016 16:35	RPN	EPA 8270D

CT LAB Sample#: 743812 Sample Description: DFOMW11 Sampled: 07/11/2016 1000

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
Pentachlorophenol	**2900**	ug/L	18	100	100		07/14/2016 10:30	07/18/2016 19:53	RPN	EPA 8270D

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

CT LAB Sample#: 743813 Sample Description: DFOMW12 Sampled: 07/11/2016 1040

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
Pentachlorophenol	**4900**	ug/L	36	200	200		07/14/2016 10:30	07/18/2016 16:55	RPN	EPA 8270D

CT LAB Sample#: 743814 Sample Description: DFOMW12 DUP Sampled: 07/11/2016 1040

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
Pentachlorophenol	**4800**	ug/L	37	210	200		07/14/2016 10:30	07/18/2016 17:14	RPN	EPA 8270D

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

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 Report PCP only for the Phenols.

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

Current CT Laboratories Certifications

Kansas NELAP ID# E-10368
Kentucky ID# 0023
ISO/IEC 17025-2005 A2LA Cert # 3806.01
North Carolina ID# 674
Wisconsin (WDNR) Chemistry ID# 157066030
Wisconsin (DATCP) Bacteriology ID# 105-289
DoD-ELAP A2LA 3806.01
GA EPD Stipulation ID E871111, Expires Annually
Louisiana ID # 115843
Virginia ID# 7608
Illinois NELAP ID # 002413
Wisconsin (WOSB) ID# WI-5499-WBE
Maryland ID# 344

Rev. 3/2003

Chain of Custody

Page ______ of ______

CT Laboratories

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

Company Name: TRC
Project Contact: Bruce Iverson
Telephone: 608-826-3644
Project Name: Wauleco
Project Number: 189597.0004
Project Location: Wausau, WI
Sampled By: Tom Dushek

Folder #: 120371
Company: TRC ENVIRONMENTA
Project: WAULECO
Logged By: BNA PM BM

Ice Present Yes No
Temperature <6.1
Initials ABS
Date 7/12/16 Time 1027
Cooler # 5487, 5624, 5844

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. 91065

Contract No.

Regulatory Program:
UST RCRA SDWA NPDES
Solid Waste Other ______

Turnaround Time
Normal RUSH* Date Needed ______
*Notify Lab prior to sending in RUSH
Surcharges 24 hr 200% 2-3 days 100% 4-9 days 50%
Surcharges subject to change without notice.

Landfill License Number ______

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

Fill in Spaces with Bottles per Test

Collection Date	Collection Time	Field Screen	Field ID	Grab/Comp	Sample ID Description	Filt'd Y/N	WDNR Well ID #	**Matrix:	Phenols (8270)	TPH	VOC's (8020)	Diss. Hg	Nitrate	Sulfate	TOC	Diss. Fe, Mn	Total No of Containers	Total No of Cont. Rec'd	Preservation*	Lab ID #
7/11/16	0925			G	DFOMW5	N		GW	2	1	3						6			743811
↓	1000			↓	DFOMW11	↓		↓	2								2			743812
↓	1040			↓	DFOMW12	↓		↓	2								2			743813
↓	1040			↓	DFOMW12 Dup	↓		↓	2								2			743814
									A	A	B	D	A	A	C	D			←	

Relinquished By:	Date/Time	Relinquished By:	Date/Time
S. J. Dushek	7/11/16 1515	Alex Stern	7/12/16 1027
Received by:	**Date/Time**	**Received by:**	**Date/Time**
		[signature]	7-12-16 1134

****Matrix**
S-Soil A-Air Slg-Sludge M-Misc Waste
GW-Groundwater SW-Surface Water
WW-Wastewater DW-Drinking Water

*** Preservation Code**
A=None B=HCL
C=H2SO4 D=HNO3
E=Encore F=Methanol
G=NaOH
O=Other ______

Cooler Receipt Form

Ice Present YES NO

Temperature 5.3

IR Gun # 14

Initials ABS

Date 7/12/16 Time 1027

Cooler #: 5487

TOM DUSHEK
TRC ENVIROTRC
125 ROSECRANS STREET
WAUSAU WI 54401

50 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 4265 6046

BILLING: P/P
DESC: Environmental Samples
RETURN SERVICE

XOL 16.07.31 WNTHV50 75.0A 04/2016

CUSTODY SEAL
DATE 7/11/16
SIGNATURE

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

Cooler Receipt Form

Ice Present YES NO

Temperature 6.1

IR Gun # 14

Initials ABS

Date 7/12/16 Time 1018

Cooler #: 5624

TOM DUSHEK
TRC ENVIROTRC
125 ROSECRANS STREET
WAUSAU WI 54401

50 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 4287 9261

BILLING: P/P
DESC: Environmental Samples
RETURN SERVICE

XOL 16.07.31 WNTNV50 75.0A 04/2016

CUSTODY SEAL
DATE
SIGNATURE
QEC Quality Env
800-269

Cooler Receipt Form

Ice Present YES NO

Temperature 4.6

IR Gun # 14

Initials ABS

Date 7/11/16 Time 1035

Cooler #: 5844

TOM DUSHEK
TRC ENVIROTRC
125 ROSECRANS STREET
WAUSAU WI 54401

50 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 4126 3454

BILLING: P/P
DESC: Environmental Samples
RETURN SERVICE

XOL 16.07.31 WNTNV50 75.0A 04/2016

CUSTODY SEAL
DATE
SIGNATURE

QEC Quality Environmental Containers
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ANALYTICAL REPORT

TRC ENVIRONMENTAL
BRUCE IVERSON
708 HEARTLAND TRAIL
MADISON, WI 53717

Project Name: WAULECO
Project Phase:
Contract #: 2399
Project #: 189597.0004
Folder #: 120403
Purchase Order #: 91065

Arrival Temperature: 4.2
Report Date: 07/20/2016
Date Received: 07/13/2016
Reprint Date: 07/20/2016

CT LAB Sample#: 744328 Sample Description: W10A Sampled: 07/12/2016 0745

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	<0.040	mg/L	0.040	0.13	1			07/13/2016 13:08	JJF	EPA 9056A
Total Sulfate	**12**	mg/L	1.0	3.2	1			07/13/2016 13:08	JJF	EPA 9056A
Total Organic Carbon	**7.3**	mg/L	0.50	1.7	1			07/14/2016 21:32	JJF	EPA 9060A
Metals Results										
Dissolved Iron	**1070**	ug/L	10	32	1			07/13/2016 15:45	NAH	EPA 6010C
Dissolved Manganese	**2390**	ug/L	1.6	5.3	1			07/13/2016 15:45	NAH	EPA 6010C
Dissolved Mercury	**0.19**	ug/L	0.020	0.066	1		07/14/2016 08:00	07/15/2016 08:39	LJF	EPA 7470A
Organic Results										
1,2,4-Trimethylbenzene	**150**	ug/L	4.0	13	10			07/16/2016 18:32	AMA	EPA 8021M
m & p-Xylene	**15**	ug/L	8.0 *	28	10			07/16/2016 18:32	AMA	EPA 8021M
Naphthalene	<9.0	ug/L	9.0	29	10			07/16/2016 18:32	AMA	EPA 8021M
o-Xylene	**28**	ug/L	4.0	14	10			07/16/2016 18:32	AMA	EPA 8021M
TPH as Mineral Spirits	**950**	ug/L	33	110	1		07/14/2016 09:00	07/19/2016 14:51	SRT	EPA 8015
2,3,4,6-Tetrachlorophenol	**58**	ug/L	7.4	53	50		07/14/2016 10:30	07/19/2016 10:59	RPN	EPA 8270D

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

CT LAB Sample#: 744328 Sample Description: W10A Sampled: 07/12/2016 0745

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,4,5-Trichlorophenol	<6.3	ug/L	6.3	53	50		07/14/2016 10:30	07/19/2016 10:59	RPN	EPA 8270D
2,4,6-Trichlorophenol	<26	ug/L	26	84	50		07/14/2016 10:30	07/19/2016 10:59	RPN	EPA 8270D
2,4-Dichlorophenol	<6.8	ug/L	6.8	53	50		07/14/2016 10:30	07/19/2016 10:59	RPN	EPA 8270D
2,4-Dimethylphenol	<11	ug/L	11	53	50		07/14/2016 10:30	07/19/2016 10:59	RPN	EPA 8270D
2,4-Dinitrophenol	<15	ug/L	15	53	50		07/14/2016 10:30	07/19/2016 10:59	RPN	EPA 8270D
2,6-Dichlorophenol	<21	ug/L	21	74	50		07/14/2016 10:30	07/19/2016 10:59	RPN	EPA 8270D
2-Chlorophenol	<6.3	ug/L	6.3	53	50		07/14/2016 10:30	07/19/2016 10:59	RPN	EPA 8270D
2-Methylphenol	<7.9	ug/L	7.9	53	50		07/14/2016 10:30	07/19/2016 10:59	RPN	EPA 8270D
2-Nitrophenol	<6.3	ug/L	6.3	53	50		07/14/2016 10:30	07/19/2016 10:59	RPN	EPA 8270D
3 & 4-Methylphenol	<8.9	ug/L	8.9	53	50		07/14/2016 10:30	07/19/2016 10:59	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<16	ug/L	16	58	50		07/14/2016 10:30	07/19/2016 10:59	RPN	EPA 8270D
4-Chloro-3-methylphenol	<7.4	ug/L	7.4	53	50		07/14/2016 10:30	07/19/2016 10:59	RPN	EPA 8270D
4-Nitrophenol	<11	ug/L	11	53	50		07/14/2016 10:30	07/19/2016 10:59	RPN	EPA 8270D
Pentachlorophenol	**1400**	ug/L	9.5	53	50		07/14/2016 10:30	07/19/2016 10:59	RPN	EPA 8270D
Phenol	<13	ug/L	13	53	50		07/14/2016 10:30	07/19/2016 10:59	RPN	EPA 8270D

CT LAB Sample#: 744329 Sample Description: W10A DUP Sampled: 07/12/2016 0745

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	<0.040	mg/L	0.040	0.13	1			07/13/2016 13:25	JJF	EPA 9056A
Total Sulfate	**11**	mg/L	1.0	3.2	1			07/13/2016 13:25	JJF	EPA 9056A
Total Organic Carbon	**6.5**	mg/L	0.50	1.7	1			07/14/2016 21:44	JJF	EPA 9060A
Metals Results										

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TRC ENVIRONMENTAL
Project Name: WAULECO
Project #: 189597.0004
Project Phase:

Contract #: 2399
Folder #: 120403

CT LAB Sample#: 744329 Sample Description: W10A DUP Sampled: 07/12/2016 0745

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dissolved Iron	**1070**	ug/L	10	32	1			07/13/2016 15:53	NAH	EPA 6010C
Dissolved Manganese	**2390**	ug/L	1.6	5.3	1			07/13/2016 15:53	NAH	EPA 6010C
Dissolved Mercury	**0.18**	ug/L	0.020	0.066	1		07/14/2016 08:00	07/15/2016 08:41	LJF	EPA 7470A
Organic Results										
1,2,4-Trimethylbenzene	**170**	ug/L	4.0	13	10			07/16/2016 19:09	AMA	EPA 8021M
m & p-Xylene	**16**	ug/L	8.0 *	28	10			07/16/2016 19:09	AMA	EPA 8021M
Naphthalene	<9.0	ug/L	9.0	29	10			07/16/2016 19:09	AMA	EPA 8021M
o-Xylene	**31**	ug/L	4.0	14	10			07/16/2016 19:09	AMA	EPA 8021M
TPH as Mineral Spirits	**970**	ug/L	33	110	1		07/14/2016 09:00	07/19/2016 15:22	SRT	EPA 8015
2,3,4,6-Tetrachlorophenol	**61**	ug/L	7.1	51	50		07/14/2016 10:30	07/19/2016 11:19	RPN	EPA 8270D
2,4,5-Trichlorophenol	<6.1	ug/L	6.1	51	50		07/14/2016 10:30	07/19/2016 11:19	RPN	EPA 8270D
2,4,6-Trichlorophenol	<25	ug/L	25	81	50		07/14/2016 10:30	07/19/2016 11:19	RPN	EPA 8270D
2,4-Dichlorophenol	<6.6	ug/L	6.6	51	50		07/14/2016 10:30	07/19/2016 11:19	RPN	EPA 8270D
2,4-Dimethylphenol	<10	ug/L	10	51	50		07/14/2016 10:30	07/19/2016 11:19	RPN	EPA 8270D
2,4-Dinitrophenol	<15	ug/L	15	51	50		07/14/2016 10:30	07/19/2016 11:19	RPN	EPA 8270D
2,6-Dichlorophenol	<20	ug/L	20	71	50		07/14/2016 10:30	07/19/2016 11:19	RPN	EPA 8270D
2-Chlorophenol	<6.1	ug/L	6.1	51	50		07/14/2016 10:30	07/19/2016 11:19	RPN	EPA 8270D
2-Methylphenol	<7.6	ug/L	7.6	51	50		07/14/2016 10:30	07/19/2016 11:19	RPN	EPA 8270D
2-Nitrophenol	<6.1	ug/L	6.1	51	50		07/14/2016 10:30	07/19/2016 11:19	RPN	EPA 8270D
3 & 4-Methylphenol	<8.6	ug/L	8.6	51	50		07/14/2016 10:30	07/19/2016 11:19	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<15	ug/L	15	56	50		07/14/2016 10:30	07/19/2016 11:19	RPN	EPA 8270D
4-Chloro-3-methylphenol	<7.1	ug/L	7.1	51	50		07/14/2016 10:30	07/19/2016 11:19	RPN	EPA 8270D
4-Nitrophenol	<10	ug/L	10	51	50		07/14/2016 10:30	07/19/2016 11:19	RPN	EPA 8270D
Pentachlorophenol	**1500**	ug/L	9.1	51	50		07/14/2016 10:30	07/19/2016 11:19	RPN	EPA 8270D

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

CT LAB Sample#: 744329 Sample Description: W10A DUP Sampled: 07/12/2016 0745

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Phenol	<12	ug/L	12	51	50		07/14/2016 10:30	07/19/2016 11:19	RPN	EPA 8270D

CT LAB Sample#: 744330 Sample Description: W33 Sampled: 07/12/2016 0835

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	**0.15**	mg/L	0.040	0.13	1			07/13/2016 13:42	JJF	EPA 9056A
Total Sulfate	**13**	mg/L	1.0	3.2	1			07/13/2016 13:42	JJF	EPA 9056A
Total Organic Carbon	**6.4**	mg/L	0.50	1.7	1			07/14/2016 21:58	JJF	EPA 9060A
Metals Results										
Dissolved Iron	**1600**	ug/L	10	32	1			07/13/2016 16:00	NAH	EPA 6010C
Dissolved Manganese	**1500**	ug/L	1.6	5.3	1			07/13/2016 16:00	NAH	EPA 6010C
Dissolved Mercury	**0.21**	ug/L	0.020	0.066	1		07/14/2016 08:00	07/15/2016 08:43	LJF	EPA 7470A
Organic Results										
1,2,4-Trimethylbenzene	**170**	ug/L	2.0	6.5	5			07/16/2016 19:47	AMA	EPA 8021M
m & p-Xylene	**12**	ug/L	4.0 *	14	5			07/16/2016 19:47	AMA	EPA 8021M
Naphthalene	**9.7**	ug/L	4.5 *	15	5			07/16/2016 19:47	AMA	EPA 8021M
o-Xylene	**54**	ug/L	2.0	7.0	5			07/16/2016 19:47	AMA	EPA 8021M
TPH as Mineral Spirits	**4800**	ug/L	33	110	1		07/14/2016 09:00	07/19/2016 16:58	SRT	EPA 8015
2,3,4,6-Tetrachlorophenol	**430**	ug/L	29	210	200		07/14/2016 10:30	07/18/2016 17:54	RPN	EPA 8270D
2,4,5-Trichlorophenol	<25	ug/L	25	210	200		07/14/2016 10:30	07/18/2016 17:54	RPN	EPA 8270D
2,4,6-Trichlorophenol	<110	ug/L	110	340	200		07/14/2016 10:30	07/18/2016 17:54	RPN	EPA 8270D
2,4-Dichlorophenol	<27	ug/L	27	210	200		07/14/2016 10:30	07/18/2016 17:54	RPN	EPA 8270D

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

CT LAB Sample#: 744330 Sample Description: W33 Sampled: 07/12/2016 0835

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,4-Dimethylphenol	<42	ug/L	42	210	200		07/14/2016 10:30	07/18/2016 17:54	RPN	EPA 8270D
2,4-Dinitrophenol	<61	ug/L	61	210	200		07/14/2016 10:30	07/18/2016 17:54	RPN	EPA 8270D
2,6-Dichlorophenol	<84	ug/L	84	290	200		07/14/2016 10:30	07/18/2016 17:54	RPN	EPA 8270D
2-Chlorophenol	<25	ug/L	25	210	200		07/14/2016 10:30	07/18/2016 17:54	RPN	EPA 8270D
2-Methylphenol	<32	ug/L	32	210	200		07/14/2016 10:30	07/18/2016 17:54	RPN	EPA 8270D
2-Nitrophenol	<25	ug/L	25	210	200		07/14/2016 10:30	07/18/2016 17:54	RPN	EPA 8270D
3 & 4-Methylphenol	<36	ug/L	36	210	200		07/14/2016 10:30	07/18/2016 17:54	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<63	ug/L	63	230	200		07/14/2016 10:30	07/18/2016 17:54	RPN	EPA 8270D
4-Chloro-3-methylphenol	<29	ug/L	29	210	200		07/14/2016 10:30	07/18/2016 17:54	RPN	EPA 8270D
4-Nitrophenol	<42	ug/L	42	210	200		07/14/2016 10:30	07/18/2016 17:54	RPN	EPA 8270D
Pentachlorophenol	**3300**	ug/L	38	210	200		07/14/2016 10:30	07/18/2016 17:54	RPN	EPA 8270D
Phenol	<51	ug/L	51	210	200		07/14/2016 10:30	07/18/2016 17:54	RPN	EPA 8270D

CT LAB Sample#: 744331 Sample Description: W6R Sampled: 07/12/2016 0930

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	**4.6**	mg/L	0.040	0.13	1			07/13/2016 14:00	JJF	EPA 9056A
Metals Results										
Dissolved Mercury	**0.15**	ug/L	0.020	0.066	1		07/14/2016 08:00	07/15/2016 08:45	LJF	EPA 7470A
Organic Results										
1,2,4-Trimethylbenzene	**13**	ug/L	0.40	1.3	1			07/16/2016 20:24	AMA	EPA 8021M
m & p-Xylene	**1.5**	ug/L	0.80 *	2.8	1			07/16/2016 20:24	AMA	EPA 8021M
Naphthalene	**1.6**	ug/L	0.90 *	2.9	1			07/16/2016 20:24	AMA	EPA 8021M

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

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TRC ENVIRONMENTAL
Project Name: WAULECO
Project #: 189597.0004
Project Phase:

Contract #: 2399
Folder #: 120403

CT LAB Sample#: 744331 Sample Description: W6R Sampled: 07/12/2016 0930

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
o-Xylene	**9.2**	ug/L	0.40	1.4	1			07/16/2016 20:24	AMA	EPA 8021M
TPH as Mineral Spirits	**400**	ug/L	33	110	1		07/14/2016 09:00	07/19/2016 17:29	SRT	EPA 8015
2,3,4,6-Tetrachlorophenol	**14**	ug/L	0.70	5.0	5		07/14/2016 10:30	07/19/2016 11:39	RPN	EPA 8270D
2,4,5-Trichlorophenol	<3.0	ug/L	0.60	5.0	5		07/14/2016 10:30	07/19/2016 11:39	RPN	EPA 8270D
2,4,6-Trichlorophenol	<3.0	ug/L	2.5	8.0	5		07/14/2016 10:30	07/19/2016 11:39	RPN	EPA 8270D
2,4-Dichlorophenol	<3.0	ug/L	0.65	5.0	5		07/14/2016 10:30	07/19/2016 11:39	RPN	EPA 8270D
2,4-Dimethylphenol	<3.0	ug/L	1.0	5.0	5		07/14/2016 10:30	07/19/2016 11:39	RPN	EPA 8270D
2,4-Dinitrophenol	<3.0	ug/L	1.5	5.0	5		07/14/2016 10:30	07/19/2016 11:39	RPN	EPA 8270D
2,6-Dichlorophenol	<3.0	ug/L	2.0	7.0	5		07/14/2016 10:30	07/19/2016 11:39	RPN	EPA 8270D
2-Chlorophenol	<3.0	ug/L	0.60	5.0	5		07/14/2016 10:30	07/19/2016 11:39	RPN	EPA 8270D
2-Methylphenol	<3.0	ug/L	0.75	5.0	5		07/14/2016 10:30	07/19/2016 11:39	RPN	EPA 8270D
2-Nitrophenol	<3.0	ug/L	0.60	5.0	5		07/14/2016 10:30	07/19/2016 11:39	RPN	EPA 8270D
3 & 4-Methylphenol	<3.0	ug/L	0.85	5.0	5		07/14/2016 10:30	07/19/2016 11:39	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<3.0	ug/L	1.5	5.5	5		07/14/2016 10:30	07/19/2016 11:39	RPN	EPA 8270D
4-Chloro-3-methylphenol	<3.0	ug/L	0.70	5.0	5		07/14/2016 10:30	07/19/2016 11:39	RPN	EPA 8270D
4-Nitrophenol	<3.0	ug/L	1.0	5.0	5		07/14/2016 10:30	07/19/2016 11:39	RPN	EPA 8270D
Pentachlorophenol	**210**	ug/L	0.90	5.0	5		07/14/2016 10:30	07/19/2016 11:39	RPN	EPA 8270D
Phenol	<3.0	ug/L	1.2	5.0	5		07/14/2016 10:30	07/19/2016 11:39	RPN	EPA 8270D

CT LAB Sample#: 744333 Sample Description: W41 Sampled: 07/12/2016 1015

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	<0.040	mg/L	0.040	0.13	1			07/13/2016 14:17	JJF	EPA 9056A

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

CT LAB Sample#: 744333 Sample Description: W41 Sampled: 07/12/2016 1015

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Mercury	**0.15**	ug/L	0.020	0.066	1		07/14/2016 08:00	07/15/2016 08:47	LJF	EPA 7470A
Organic Results										
1,2,4-Trimethylbenzene	**300**	ug/L	4.0	13	10			07/18/2016 15:47	AMA	EPA 8021M
m & p-Xylene	**16**	ug/L	8.0 *	28	10			07/18/2016 15:47	AMA	EPA 8021M
Naphthalene	**42**	ug/L	9.0	29	10			07/18/2016 15:47	AMA	EPA 8021M
o-Xylene	**110**	ug/L	4.0	14	10			07/18/2016 15:47	AMA	EPA 8021M
TPH as Mineral Spirits	**2500**	ug/L	34	110	1		07/14/2016 09:00	07/19/2016 18:01	SRT	EPA 8015
2,3,4,6-Tetrachlorophenol	**140**	ug/L	29 *	200	200		07/14/2016 10:30	07/18/2016 18:14	RPN	EPA 8270D
2,4,5-Trichlorophenol	<24	ug/L	24	200	200		07/14/2016 10:30	07/18/2016 18:14	RPN	EPA 8270D
2,4,6-Trichlorophenol	<100	ug/L	100	330	200		07/14/2016 10:30	07/18/2016 18:14	RPN	EPA 8270D
2,4-Dichlorophenol	<27	ug/L	27	200	200		07/14/2016 10:30	07/18/2016 18:14	RPN	EPA 8270D
2,4-Dimethylphenol	<41	ug/L	41	200	200		07/14/2016 10:30	07/18/2016 18:14	RPN	EPA 8270D
2,4-Dinitrophenol	<59	ug/L	59	200	200		07/14/2016 10:30	07/18/2016 18:14	RPN	EPA 8270D
2,6-Dichlorophenol	<82	ug/L	82	290	200		07/14/2016 10:30	07/18/2016 18:14	RPN	EPA 8270D
2-Chlorophenol	<24	ug/L	24	200	200		07/14/2016 10:30	07/18/2016 18:14	RPN	EPA 8270D
2-Methylphenol	<31	ug/L	31	200	200		07/14/2016 10:30	07/18/2016 18:14	RPN	EPA 8270D
2-Nitrophenol	<24	ug/L	24	200	200		07/14/2016 10:30	07/18/2016 18:14	RPN	EPA 8270D
3 & 4-Methylphenol	<35	ug/L	35	200	200		07/14/2016 10:30	07/18/2016 18:14	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<61	ug/L	61	220	200		07/14/2016 10:30	07/18/2016 18:14	RPN	EPA 8270D
4-Chloro-3-methylphenol	<29	ug/L	29	200	200		07/14/2016 10:30	07/18/2016 18:14	RPN	EPA 8270D
4-Nitrophenol	<41	ug/L	41	200	200		07/14/2016 10:30	07/18/2016 18:14	RPN	EPA 8270D
Pentachlorophenol	**6000**	ug/L	37	200	200		07/14/2016 10:30	07/18/2016 18:14	RPN	EPA 8270D
Phenol	<49	ug/L	49	200	200		07/14/2016 10:30	07/18/2016 18:14	RPN	EPA 8270D

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

CT LAB Sample#: 744334 Sample Description: W40 Sampled: 07/12/2016 1110

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Nitrate Nitrogen Total	<0.040	mg/L	0.040	0.13	1			07/13/2016 14:34	JJF	EPA 9056A
Metals Results										
Dissolved Mercury	**0.12**	ug/L	0.020	0.066	1		07/14/2016 08:00	07/15/2016 08:50	LJF	EPA 7470A
Organic Results										
1,2,4-Trimethylbenzene	**1400**	ug/L	20	65	50			07/17/2016 00:49	AMA	EPA 8021M
m & p-Xylene	**120**	ug/L	40 *	140	50			07/17/2016 00:49	AMA	EPA 8021M
Naphthalene	**200**	ug/L	45	150	50			07/17/2016 00:49	AMA	EPA 8021M
o-Xylene	**450**	ug/L	20	70	50			07/17/2016 00:49	AMA	EPA 8021M
TPH as Mineral Spirits	**28000**	ug/L	330	1100	10		07/14/2016 09:00	07/20/2016 11:28	SRT	EPA 8015
2,3,4,6-Tetrachlorophenol	**830**	ug/L	28	200	200		07/14/2016 10:30	07/18/2016 17:34	RPN	EPA 8270D
2,4,5-Trichlorophenol	<24	ug/L	24	200	200		07/14/2016 10:30	07/18/2016 17:34	RPN	EPA 8270D
2,4,6-Trichlorophenol	<100	ug/L	100	320	200		07/14/2016 10:30	07/18/2016 17:34	RPN	EPA 8270D
2,4-Dichlorophenol	<26	ug/L	26	200	200		07/14/2016 10:30	07/18/2016 17:34	RPN	EPA 8270D
2,4-Dimethylphenol	<40	ug/L	40	200	200		07/14/2016 10:30	07/18/2016 17:34	RPN	EPA 8270D
2,4-Dinitrophenol	<59	ug/L	59	200	200		07/14/2016 10:30	07/18/2016 17:34	RPN	EPA 8270D
2,6-Dichlorophenol	<81	ug/L	81	280	200		07/14/2016 10:30	07/18/2016 17:34	RPN	EPA 8270D
2-Chlorophenol	<24	ug/L	24	200	200		07/14/2016 10:30	07/18/2016 17:34	RPN	EPA 8270D
2-Methylphenol	<30	ug/L	30	200	200		07/14/2016 10:30	07/18/2016 17:34	RPN	EPA 8270D
2-Nitrophenol	<24	ug/L	24	200	200		07/14/2016 10:30	07/18/2016 17:34	RPN	EPA 8270D
3 & 4-Methylphenol	<34	ug/L	34	200	200		07/14/2016 10:30	07/18/2016 17:34	RPN	EPA 8270D
4,6-Dinitro-2-methylphenol	<61	ug/L	61	220	200		07/14/2016 10:30	07/18/2016 17:34	RPN	EPA 8270D
4-Chloro-3-methylphenol	<28	ug/L	28	200	200		07/14/2016 10:30	07/18/2016 17:34	RPN	EPA 8270D

CT LAB Sample#: 744334 Sample Description: W40 Sampled: 07/12/2016 1110

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
4-Nitrophenol	<40	ug/L	40	200	200		07/14/2016 10:30	07/18/2016 17:34	RPN	EPA 8270D
Pentachlorophenol	**9500**	ug/L	36	200	200		07/14/2016 10:30	07/18/2016 17:34	RPN	EPA 8270D
Phenol	<48	ug/L	48	200	200		07/14/2016 10:30	07/18/2016 17:34	RPN	EPA 8270D

CT LAB Sample#: 744335 Sample Description: TRIP BLANK 05 Sampled: 07/12/2016 0755

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			07/16/2016 10:20	AMA	EPA 8021M
m & p-Xylene	<0.80	ug/L	0.80	2.8	1			07/16/2016 10:20	AMA	EPA 8021M
Naphthalene	<0.90	ug/L	0.90	2.9	1			07/16/2016 10:20	AMA	EPA 8021M
o-Xylene	<0.40	ug/L	0.40	1.4	1			07/16/2016 10:20	AMA	EPA 8021M

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

Kansas NELAP ID# E-10368
Kentucky ID# 0023
ISO/IEC 17025-2005 A2LA Cert # 3806.01
North Carolina ID# 674
Wisconsin (WDNR) Chemistry ID# 157066030
Wisconsin (DATCP) Bacteriology ID# 105-289
DoD-ELAP A2LA 3806.01
GA EPD Stipulation ID E871111, Expires Annually
Louisiana ID # 115843
Virginia ID# 7608
Illinois NELAP ID # 002413
Wisconsin (WOSB) ID# WI-5499-WBE
Maryland ID# 344

Rev. 3/2003

Chain of Custody

Page ______ of ______

CT Laboratories

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

Company Name: TRC
Project Contact: Bruce Iverson
Telephone: 608-826-3644
Project Name: Wauleco
Project Number: 189597.0004
Project Location: Wausau, WI
Sampled By: Tom Dushek

Folder #: 120403
Company: TRC ENVIRONMENTA
Project: WAULECO
Logged By: BNA PM BM

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. 91065
Contract No.

Ice Present Yes No
Temperature 4.2
Initials ABS
Date 7-13-16 Time 1005
Cooler # 5747 + 5732

Regulatory Program:
UST RCRA SDWA NPDES
Solid Waste Other ________

Turnaround Time
Normal RUSH* Date Needed ____________
*Notify Lab prior to sending in RUSH
Surcharges 24 hr 200% 2-3 days 100% 4-9 days 50%
Surcharges subject to change without notice.

Landfill License Number ____________

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

Fill in Spaces with Bottles per Test

Collection Date	Collection Time	Field Screen	Field ID	Grab/Comp	Sample ID Description	Filt'd Y/N	WDNR Well ID #	**Matrix:	Phenols (8270)	TPH	VOC's (8020)	Diss. Hg	Nitrate	Sulfate	TOC	Diss. Fe, Mn	Total No of Containers	Total No of Cont. Rec'd	Preservation*	Lab ID #
7/12/16	0745			G	W10A	N		GW	2	1	3	1	1	✓	1	✓	9			744328
	0745				W10A Dup															744329
	0835				W33															744330
	0930				W6R												8			744331
	1015				W41															744333
	1110				W40															744334
	0755				Trip Blank05						1						1			744335
									A	A	B	D	A	A	C	D				

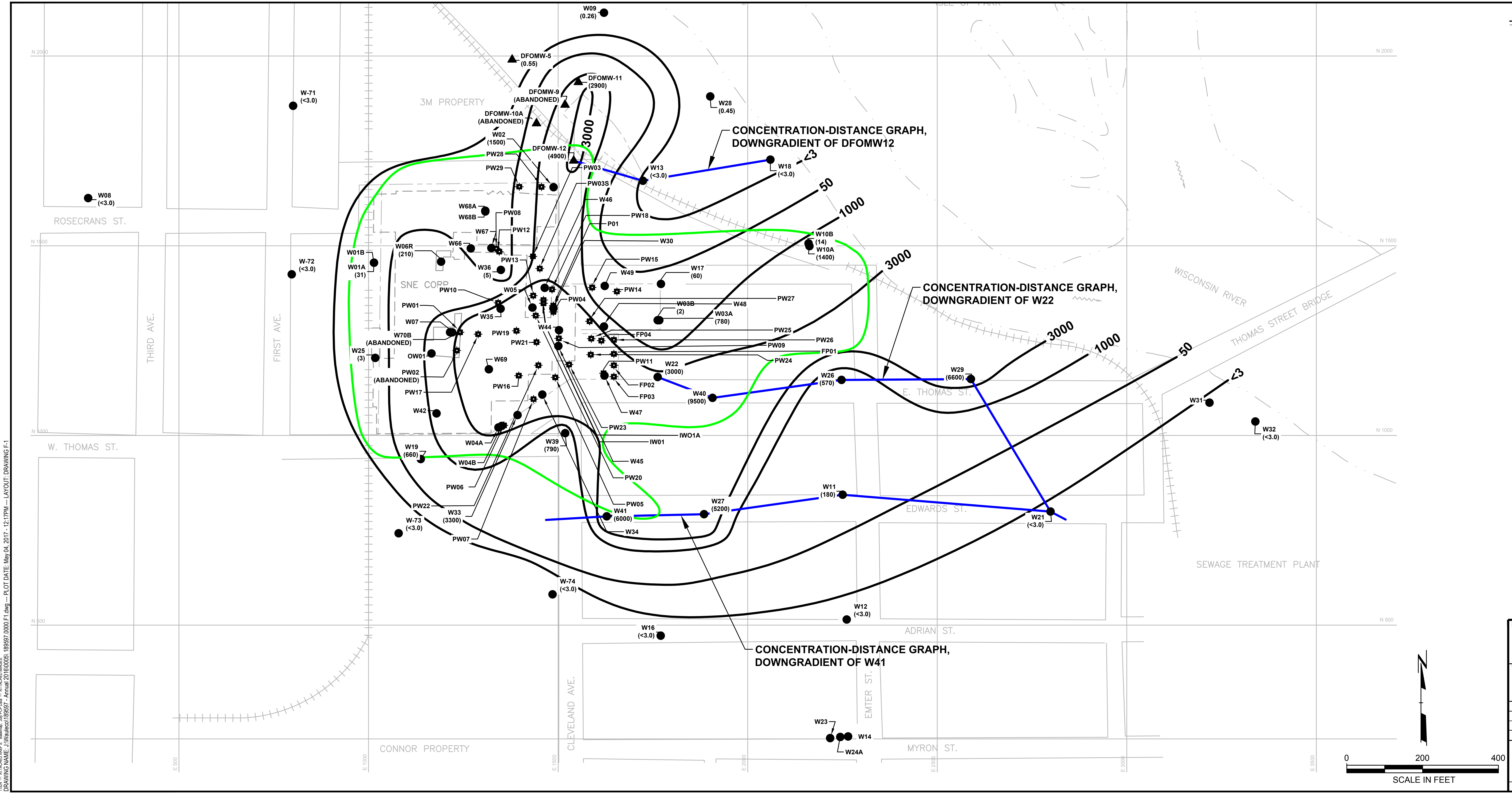
Relinquished By:	Date/Time	Relinquished By:	Date/Time
T. J. Dushek	7/12/16 1530	[signature]	7/13/16 1005
Received by:	**Date/Time**	**Received by:**	**Date/Time**
[signature]	7-13-16 1045	[signature]	7/13/16 1005

****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 ____________

APPENDIX F

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 1, 5-7, 11, 12, 2016.
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.

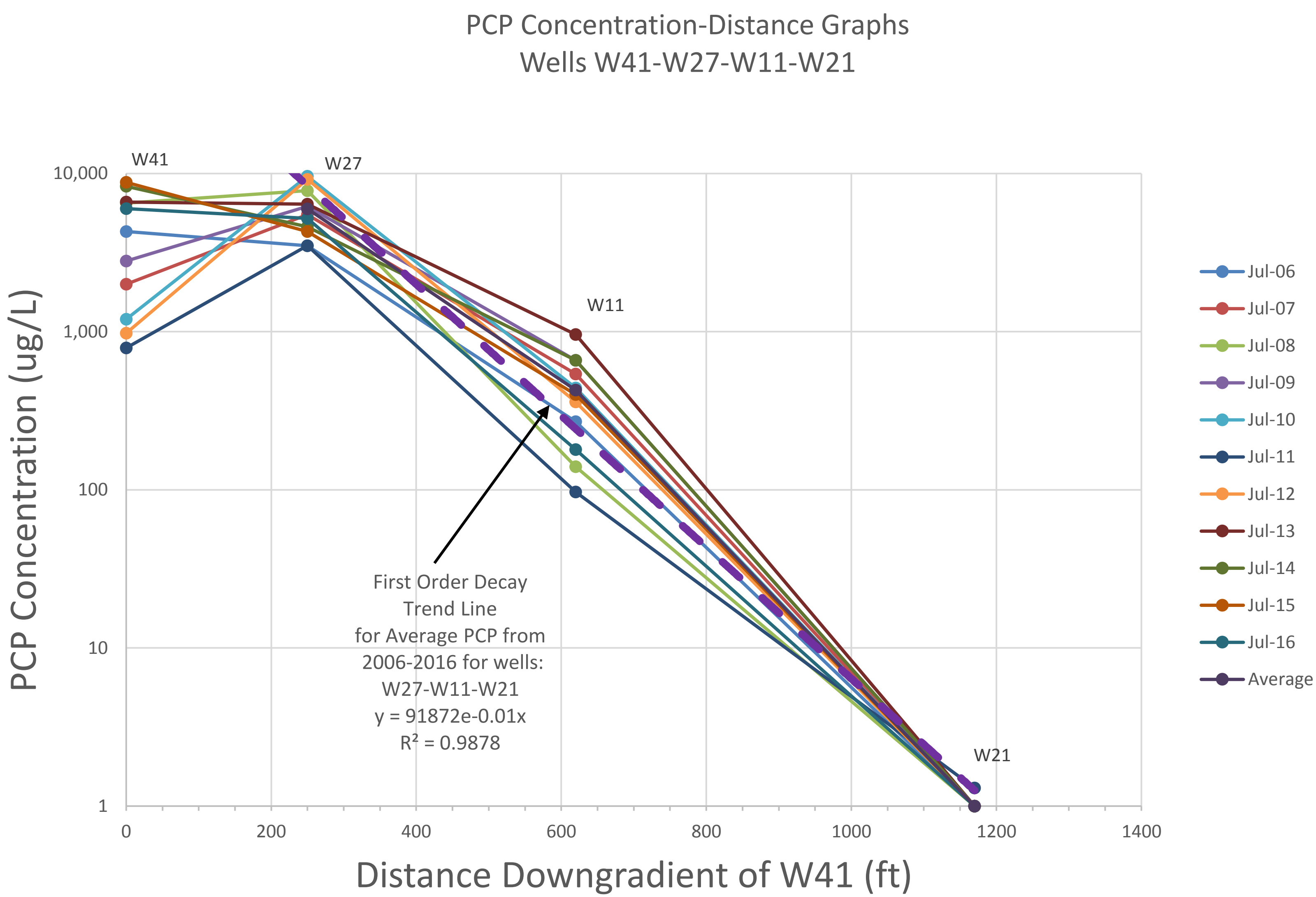
PROJECT:
WAULECO, INC.
ANNUAL GROUNDWATER MONITORING REPORT
WAUSAU, WISCONSIN

TITLE: **PCP ISOCONCENTRATION MAP WITH CONCENTRATION-DISTANCE PROFILES (JULY 2016)**

DRAWN BY:	L. STORMER	PROJ NO.:	189597 - ANNUAL 2016
CHECKED BY:	K. QUINN		**DRAWING F-1**
APPROVED BY:	B. IVERSON		
DATE:	MAY 2017		

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

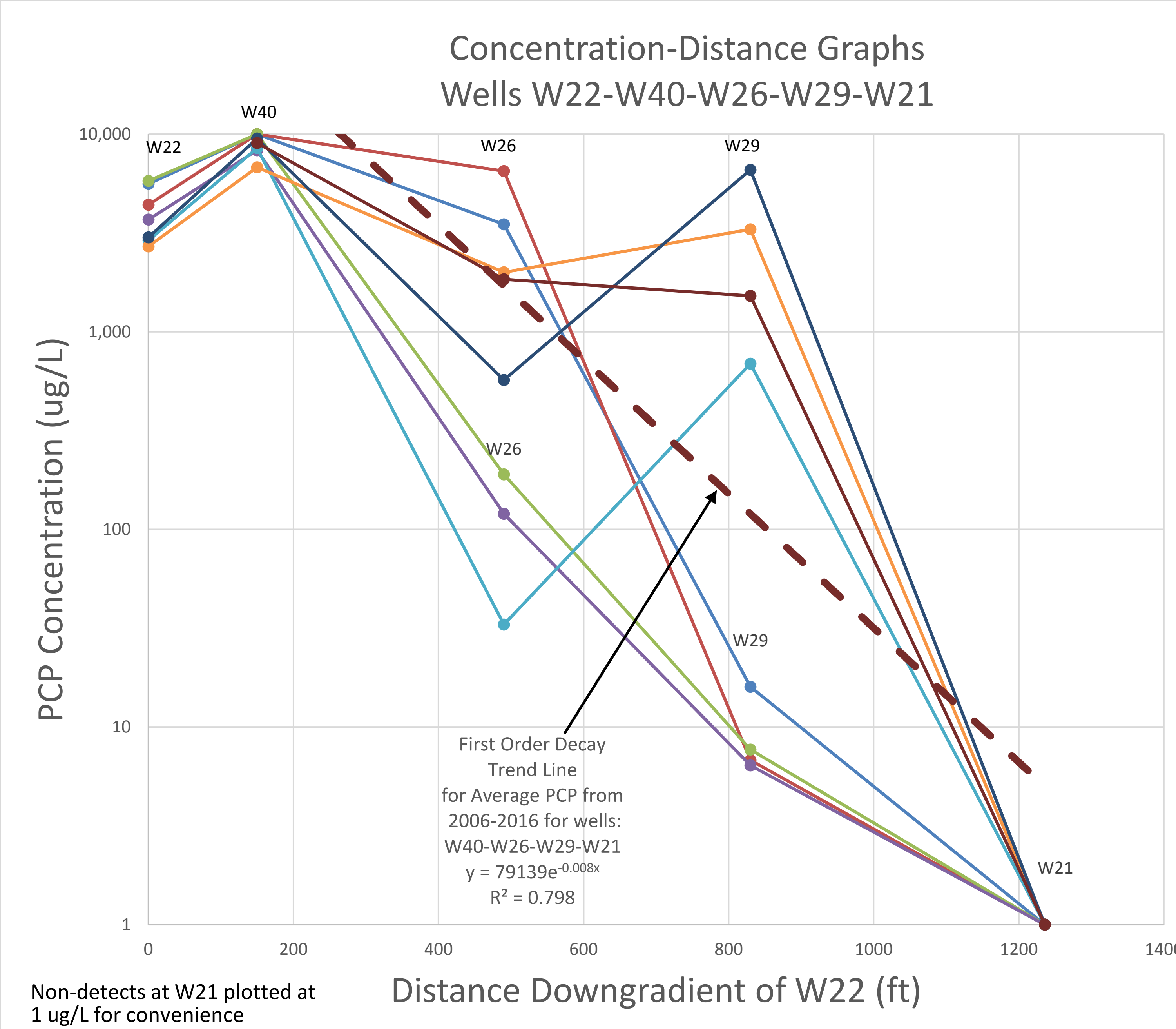
FILE NO.: 189597.0000.F1.dwg



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

Figure F-2

\\NTAPA-MADISON\msn-vol3\DATA\PROJECTS\7129 Wauleco\WDNR Mtg Followup to RAOR\March 2017 Meeting\Biodeg Conc-Distance Graph - RAOR Update LCA 3/8/2017



No samples from W40 from 2006-2009 due to LNAPL in well. Groundwater PCP set at 10,000 ug/L for these dates.

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

Figure F-3

\\NTAPA-MADISON\msn-vol3\DATA\PROJECTS\7129 Wauleco\WDNR Mtg Followup to RAOR\March 2017 Meeting\Biodeg Conc-Distance Graph - RAOR Update LCA 3/8/2017

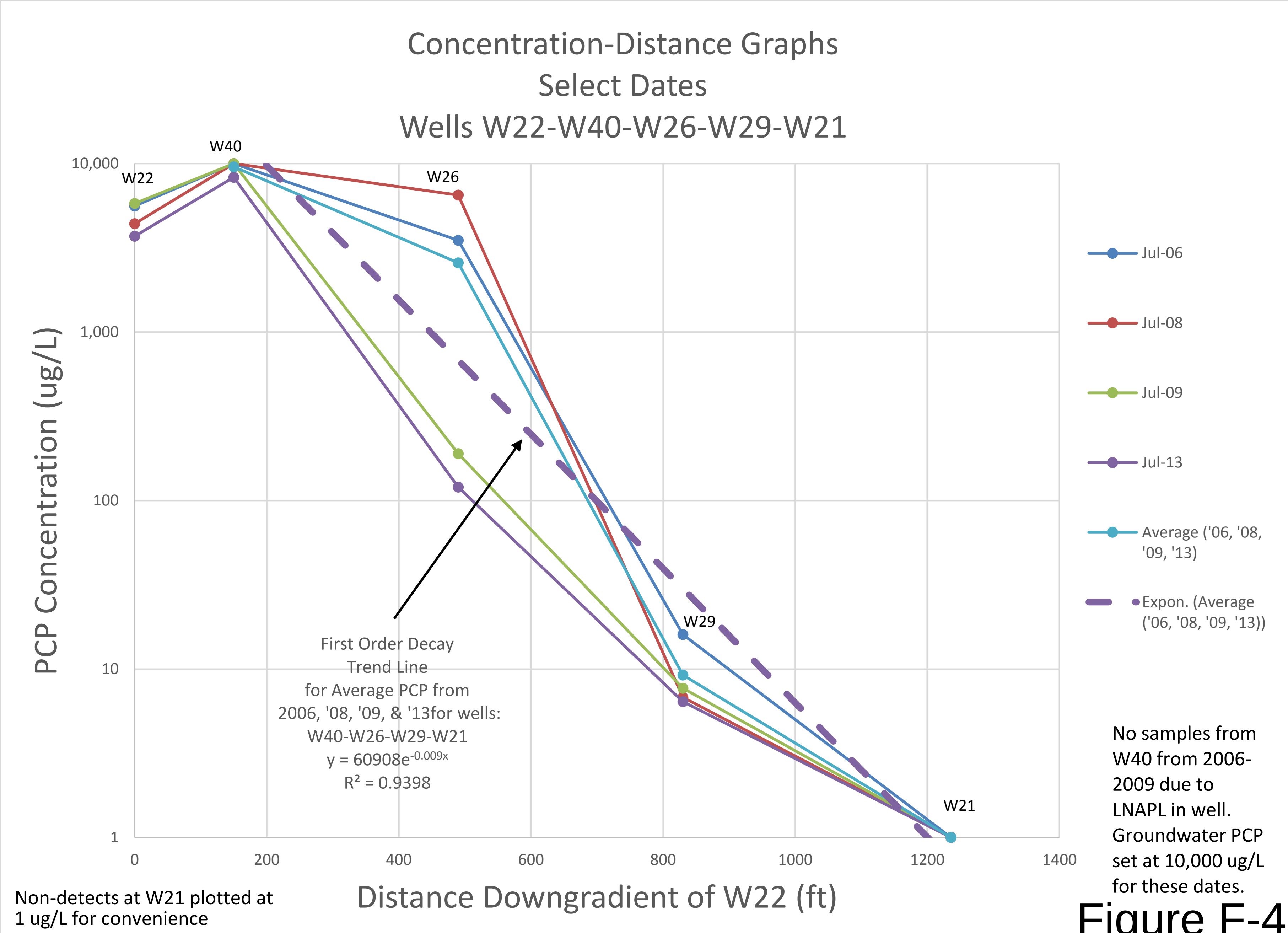


Figure F-4

\\NTAPA-MADISON\msn-vol3\DATA\PROJECTS\7129 Wauleco\WDNR Mtg Followup to RAOR\March 2017 Meeting\Biodeg Conc-Distance Graph - RAOR Update LCA 3/8/2017

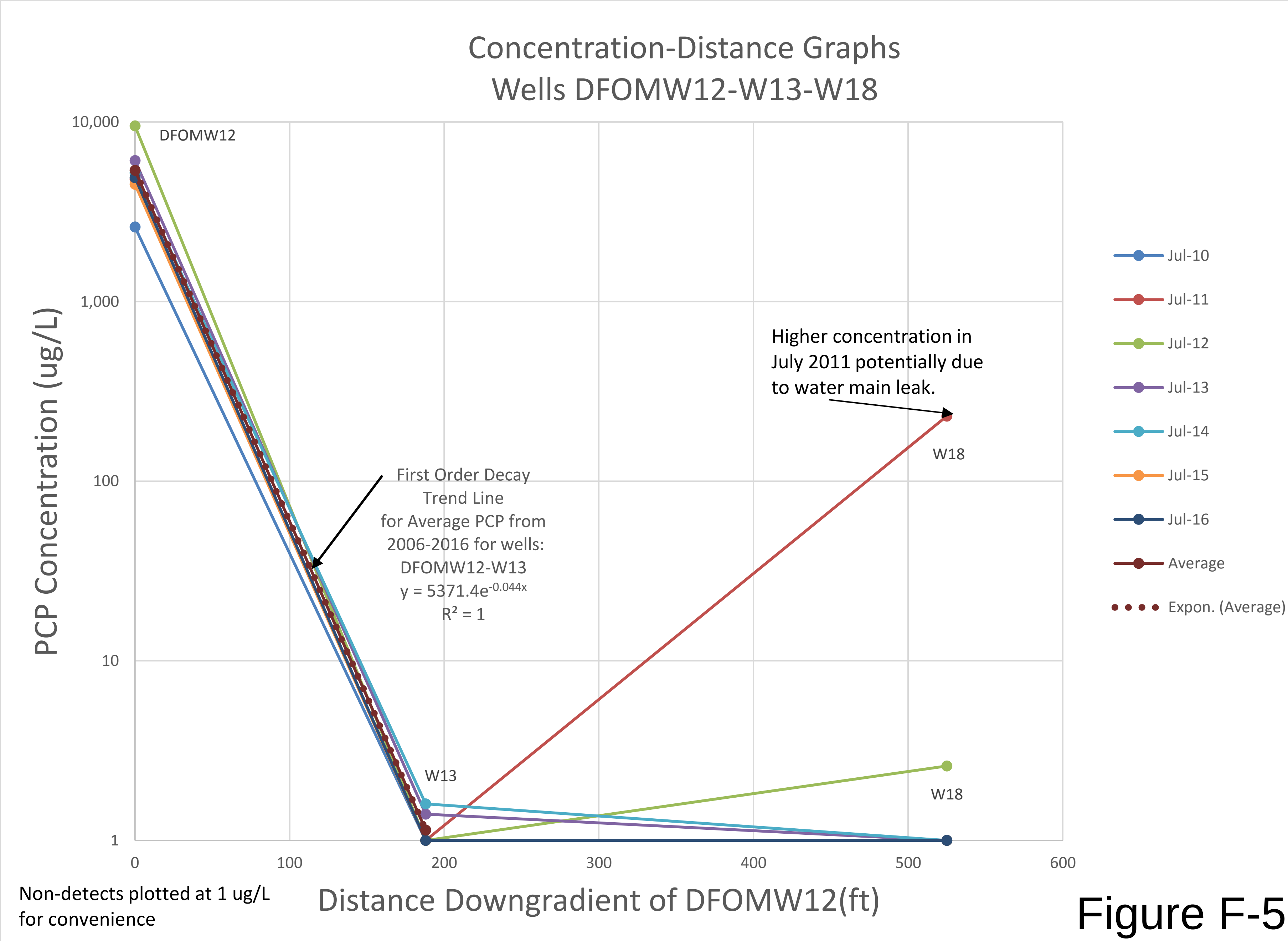

Concentration-Distance Graphs
Wells DFOMW12-W13-W18
PCP Concentration (ug/L)
10,000
1,000
100
10
1
DFOMW12
W13
W18
W18
0
100
200
300
400
500
600
First Order Decay
Trend Line
for Average PCP from
2006-2016 for wells:
DFOMW12-W13
y = 5371.4e$^{-0.044x}$
R^2 = 1
Higher concentration in
July 2011 potentially due
to water main leak.
Jul-10
Jul-11
Jul-12
Jul-13
Jul-14
Jul-15
Jul-16
Average
Expon. (Average)
Non-detects plotted at 1 ug/L
for convenience
Distance Downgradient of DFOMW12(ft)

Figure F-5