

October 5, 2020



Wisconsin Department of Natural Resources

Attn: Ms. Josie Schultz  
2984 Shawano Ave.  
Green Bay, WI 54313



**Subject:**

Former V&L Stripping – Remediation Documentation and Update  
864 Mather Street  
Green Bay, WI 54303  
BRRTS #02-05-216722

**Dear Josie:**

This letter will summarize the installation of the vapor mitigation system, performance testing, and two (2) additional rounds of groundwater monitoring. The site location is shown on Figure 1. The site layout and monitoring well network is shown on Figure 2.

**Vapor Mitigation System Installation**

The vapor mitigation system was installed May 8, 2020 by A1 Radon & Vacuum of Green Bay, WI. The system size was based on the square footage of the building in accordance with standard industry practice. Photographs of the system are included in Attachment A. The system location is shown on Figure 2.

**Additional Groundwater Sampling**

The monitoring well network was sampled on May 13, and September 3, 2020 via low-flow techniques using a peristaltic pump through a flow cell. Continuous field measurements for temperature, conductivity, dissolved oxygen, pH and redox potential are collected and samples are captured once readings stabilize. Purge water was containerized in DOT approved drums and transported to the Wausau Waterworks wastewater treatment plant for disposal. Disposal documentation is included in Attachment B.

Groundwater flow has remained consistent to the west/southwest as shown on Figures 3a and 3b. Contaminant trends were similar across the network, with the progression showing continued decreases in Tetrachloroethylene (PCE) and Trichloroethylene (TCE) and increases in daughter products cis and trans 1,2 Dichloroethene (DCE) and vinyl chloride. Monitoring wells MW200, MW300, and MW1500 at the upgradient edge of the plume have decreased to non-detect or only slightly above the Enforcement Standard for PCE and TCE. A summary of groundwater data is included on Tables 2a-2r. The complete analytical reports are in Attachment C. The estimated extent of groundwater contamination for PCE, TCE, cis-1,2 DCE, trans-1,2 DCE, and vinyl chloride for each sampling event is depicted on Figures 4a-4d.



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The water table has fluctuated approximately one (1) foot in the four (4) rounds since CAP 18 injection and may represent some of the variation in contaminant level. The May 13, 2020 event represents some of the highest elevations recorded. Historical groundwater elevations are summarized on Table 3. A graphical depiction of contaminant concentration vs. groundwater elevation and time for the affected monitoring wells is shown on Figures 5a-5g.

### **Vapor Mitigation System Performance Monitoring**

In accordance with the approved remedial action plan, ambient air sampling was conducted in the three (3) quadrants of the building, and exterior on September 3, 2020. The building is currently used for automotive repair, and a variety of petroleum and automotive service products such as gas cans, brake cleaner, waste oil, air conditioner refrigerant, parts cleaner, and propane are stored in the western storage area, and eastern shop area. One-liter Summa cans were utilized to capture 8-hour ambient air samples of the western storage area (West), center office area (Center), eastern shop area (East) and ambient exterior air (Entrance/Exterior). Sample locations are shown on Figure 6. Photographs are included in Attachment A.

A 0.0-0.5 inches of water Magnelhelic vacuum gauge was used to detect sub-slab vacuum from temporary wells TW900 and TW1400 within the building. Low level vacuum (0.05 inches of water) was recorded in TW900, adjacent to the vapor mitigation system. No vacuum was apparent at TW1400.

Vapor results are summarized on Table 4. All four (4) samples contained benzene, ethylbenzene, and naphthalene above the Residential Vapor Action Limit. Benzene and naphthalene also exceeded the Commercial Vapor Action Limit (VAL). Sample "West" also exceeded the Commercial VAL for Acrolein. PCE was detected in all three (3) indoor air samples (West, Center, East) at levels well below the VAL. TCE was detected only in the Center sample at a concentration well below the VAL. Cis-1,2 DCE, trans-1,2 DCE, and Vinyl Chloride were non-detect in all four (4) samples. The lab report is included in Attachment D.

According to a Guest Article titled "Problematic Compounds in Vapor Intrusion Investigations" by Mr. Bart Eklund, the Global Practice Leader for Vapor Intrusion at AECOM, Acrolein is primarily used as an intermediate in the synthesis of acrylic acid and as a biocide. It may be formed from the breakdown of certain pollutants in outdoor air or from the burning of organic matter including tobacco, or fuels such as gasoline or oil. Airborne exposure to acrolein may occur by breathing contaminated air, by smoking tobacco or by being in the proximity of someone who is smoking, by being near vehicle exhaust, or by being near oil- or coal-fired power plants. This is reasonable given the use of the western storage area, which includes the furnace, and storage of a lawn mower. The study also notes that acrolein is sometimes detected in canisters, especially if the samples contain high levels of certain polar compounds such as acetone or methyl ethyl ketone (MEK). Low levels of both compounds were detected in all four (4) samples.

### **Conclusion and Recommendations**

The CAP 18 injection has been successful in enhancing reductive dechlorination at the site. Levels of PCE and TCE have shown a consistent decrease since the injection. Levels of daughter products cis and trans-1,2 DCE, and vinyl chloride have increased as a result, but are expected to stabilize or decrease in the next four (4) rounds.

The vapor mitigation system has been successful in limiting vapor intrusion for chlorinated VOCs into the building. The current use of the building, as well as it's proximity to a high traffic road and nearby industrial use appears to be the source of petroleum VOCs in the air samples.

WDNR  
Attn: Josie Schultz  
October 5, 2020

The remedial action plan calls for four (4) additional rounds of groundwater sampling, with closure submittal thereafter. The next round is scheduled for December 2020.

Thank you for your assistance with this project. Please contact me to discuss further at (715) 675-9784 or email me at Adelforge@REIengineering.com.

Sincerely,  
REI Engineering, Inc.



Andrew R. Delforge, P.G.  
Hydrogeologist/Project Manager

CC: Ken Juza, 1478 Norfield Road, Suamico, WI 54173

Enclosures

**TABLE 2a**  
**MW100 GROUNDWATER ANALYTICAL RESULTS**  
**FORMER V&L STRIPPING**  
**864 MATHER STREET**  
**GREEN BAY, WI 54303**

PARAMETER	ES	PAL	MW100										10/28/19	2/5/20	5/13/20	9/3/20	
			8/31/98	3/23/00	5/21/01	12/4/02	8/16/07	4/10/08	5/12/19	6/8/10	9/28/10	10/30/18					
<b>Detected VOC's (ug/L)</b>																	
Benzene	5	0.5	<32	<10	<38	<77.5	<16	<20.5	<16.4	<32	<20	<12.3		<12.3	<24.6	<24.6	<24.6
Ethylbenzene	700	140	NDA	NDA	NDA	<125	<22	<27	<21.6	<80	<50	<10.9		<10.9	<21.8	<31.9	<31.9
Naphthalene	100	10	NDA	NDA	NDA	<200	<30	<37	<35.6	75	<25	<58.8		<58.8	<118	<118	<118
Methyl-tert-Butyl Ether	60	12	NDA	NDA	NDA	<75	<24	<30.5	<24.4	<80	<50	<62.3		<62.3	<125	<125	<125
Toluene	800	160	<35	<10	<26	<75	<27	<33.5	<26.8	<80	<50	<8.6		<8.6	<17.2	<26.9	<26.9
cis-1,2-Dichloroethene	70	7	<b>200</b>	<b>230</b>	<b>400</b>	<b>285</b>	<b>3,300</b>	<b>1,530</b>	<b>2,200</b>	<b>8,200</b>	<b>1,400</b>	<b>1,500</b>		<b>11,900</b>	<b>13,600</b>	<b>5,470</b>	<b>10,300</b>
trans-1,2-Dichloroethene	100	20	<38	<25	<70	<97.5	<b>800</b>	<b>403</b>	<b>574</b>	<b>1,900</b>	<b>490</b>	<b>654</b>		<b>734</b>	<b>601</b>	<b>667</b>	<b>537</b>
Vinyl Chloride	0.2	0.02	<15	<25	<38	<50	<7.2	<9.0	<7.2	<32	<20	<8.7		<b>46.9j</b>	<b>64.2</b>	<17.5	<b>44.2j</b>
Tetrachloroethene	5	0.5	<b>10,000</b>	<b>10,000</b>	<b>26,000</b>	<b>4,930</b>	<b>1,300</b>	<b>5,410</b>	<b>3,170</b>	<b>440</b>	<b>5,900</b>	<b>6,580</b>		<b>421</b>	<b>95.2j</b>	<32.6	<b>96.8j</b>
Trichloroethene	5	0.5	<b>3,800</b>	<b>2,300</b>	<b>8,200</b>	<b>1,050</b>	<b>5,800</b>	<b>3,640</b>	<b>3,200</b>	<b>3,200</b>	<b>1,900</b>	<b>4,150</b>		<b>319</b>	<b>298</b>	<25.5	<b>103</b>
Total Trimethylbenzenes	480	96	NDA	NDA	NDA	<177.5	<72	<90	<72	<64	<40	<85.7		<85.7	<171.4	<171.4	<171.4
Total Xylenes	2,000	400	NDA	NDA	NDA	<230	<105	<131.5	<72	<80	<50	<36.4		<36.4	<72.7	<72.7	<72.7
<b>Geochemical Indicator Parameters</b>																	
Ferrous Iron (mg/L)			NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.028		1.7	16.6	4.6	6.3
Nitrate-Nitrogen (mg/L)			NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.38		<0.075	<0.22	<0.22	<0.22
Chloride (mg/L)			NA	NA	NA	NA	NA	NA	NA	NA	NA	64.8		63.6	60.2	48.1	56.0
Sulfate (mg/L)			NA	NA	NA	NA	NA	NA	NA	NA	NA	49.9		4.9	<2.2	2.7j	2.7j
Manganese (mg/L)			NA	NA	NA	NA	NA	NA	NA	NA	NA	0.350		0.125	0.457	0.350	0.365
Dissolved Manganese (mg/L)			NA	NA	NA	NA	NA	NA	NA	0.34	0.32	NA		NA	NA	NA	NA
Total Alkalinity (AsCO <sub>3</sub> )			NA	NA	NA	NA	NA	NA	NA	370	280	NA		NA	NA	NA	NA
Dissolved Nitrate/Nitrite (mg/L)			NA	NA	NA	NA	NA	NA	NA	2.2	0.4	NA		NA	NA	NA	NA
Dissolved Sulfate (mg/L)			NA	NA	NA	NA	NA	NA	NA	47	42	NA		NA	NA	NA	NA
Total Organic Carbon (mg/L)			NA	NA	NA	NA	NA	NA	NA	6.00	6.23	7.4		90.5	84.7	47.6	47.6
Dissolved Ethane (ug/L)			NA	NA	NA	NA	NA	NA	NA	<14	<14	<0.58		2.3j	<1.2	<1.2	<1.2
Dissolved Ethene (ug/L)			NA	NA	NA	NA	NA	NA	NA	<11	<11	<0.52		<1.2	1.5j	2.5j	1.6j
Dissolved Methane (ug/L)			NA	NA	NA	NA	NA	NA	NA	3,150	471	770		800	2,210	11,100	9,370
<b>Field Parameters</b>																	
Temperature (°F)			NA	NA	NA	NA	NA	NA	NA	59.79	69.49	63.40		NA*	NA*	54.70	66.1
Conductivity (ms/cm)			NA	NA	NA	NA	NA	NA	NA	848	891	958		NA*	NA*	921	1,116
Dissolved Oxygen (mg/L)			NA	NA	NA	NA	NA	NA	NA	0.30	0.43	7.03		NA*	NA*	1.29	0.86
pH			NA	NA	NA	NA	NA	NA	NA	7.10	7.01	7.08		NA*	NA*	6.80	6.79
Redox Potential (mV)			NA	NA	NA	NA	NA	NA	NA	-47	-10.4	-90.6		NA*	NA*	-91.90	-106.70

NDA = No Data Available, laboratory reports not provided

PAL = Preventive Action Limit

ES = Enforcement Standards

**BOLD** = Exceeds Enforcement Standard

*Italic* = Exceeds Preventative Action Limit

NA - Not Analyzed

< - Concentration less than listed detection limit

j - Estimated Value between detection limit and quantification limit

\*NA - Field Measurements not collected, CAP 18 Oil in well

**TABLE 2b**  
**MW200 GROUNDWATER ANALYTICAL RESULTS**  
**FORMER V&L STRIPPING**  
**864 MATHER STREET**  
**GREEN BAY, WI 54303**

PARAMETER	ES	PAL	MW200										10/28/19	2/5/20	5/13/20	9/3/20	
			8/31/98	3/23/00	5/21/01	12/4/02	8/16/07	4/10/08	5/12/09	6/8/10	9/28/10	10/30/18					
<b>Detected VOC's (ug/L)</b>																	
Benzene	5	0.5	1.4	<1.0	<1.4	<31	Dry	<16.4	<10.2	<8	<5	Dry	Cap 18 Injection - 6/19-6/20/19	<0.25	<0.25	<0.25	<2.5
Ethylbenzene	700	140	NDA	NDA	NDA	<50		<21.6	<13.5	<20	<13			<0.22	<0.22	<0.32	<3.2
Naphthalene	100	10	NDA	NDA	NDA	<80		<29.6	<22.2	<10	<6.3			<1.2	<1.2	<1.2	<11.8
Methyl-tert-Butyl Ether	60	12	NDA	NDA	NDA	<30		<24.4	<15.2	<20	<13			<1.2	<1.2	<1.2	<12.5
Toluene	800	160	<0.35	<1.0	<0.65	<30		<26.8	<16.8	<20	<13			<0.17	<0.17	<0.27	<2.7
1,1-Dichloroethene	7	0.7	<0.27	<0.27	<0.27	<0.27		<0.27	<0.27	<0.27	<0.27			0.36j	0.60j	<0.24	<2.4
cis-1,2-Dichloroethene	70	7	<b>310</b>	<b>270</b>	<b>210</b>	<b>188</b>		<b>78.7</b>	<b>35.4</b>	<b>420</b>	<b>330</b>			<b>117</b>	<b>437</b>	<b>90.0</b>	<b>512</b>
trans-1,2-Dichloroethene	100	20	93	<b>330</b>	<b>450</b>	<b>171</b>		<b>116</b>	<b>41.3</b>	<b>590</b>	<b>360</b>			<b>64.9</b>	<b>460</b>	<b>58.9</b>	<b>670</b>
Vinyl Chloride	0.2	0.02	<1.5	<2.5	<b>1.3j</b>	<20		<7.2	<4.5	<8	<5			<b>0.22j</b>	<b>1.8</b>	<b>0.32j</b>	<b>22.9</b>
Tetrachloroethene	5	0.5	<b>140</b>	<b>8.9</b>	<b>200</b>	<b>233</b>		<b>4,100</b>	<b>2,370</b>	<b>350</b>	<b>130</b>			<0.33	<0.33	<0.33	<3.3
Trichloroethene	5	0.5	<b>520</b>	<b>170</b>	<b>210</b>	<b>89</b>		<b>1,660</b>	<b>590</b>	<b>1,900</b>	<b>1,500</b>			3.9	1.3	<b>5.3</b>	<2.6
Total Trimethylbenzenes	480	96	NDA	NDA	NDA	<71		<72	<45	<16	<10			<1.71	<1.71	<1.71	<1.71
Total Xylenes	2,000	400	NDA	NDA	NDA	<92		<105.2	<45	<20	<13			<0.73	<0.73	<0.73	<0.73
<b>Geochemical Indicator Parameters</b>																	
Ferrous Iron (mg/L)			NA	NA	NA	NA		NA	NA	NA	NA			<0.028	<0.021	<0.021	NA*
Nitrate-Nitrogen (mg/L)			NA	NA	NA	NA		NA	NA	NA	NA			<0.075	<0.22	<0.044	NA*
Chloride (mg/L)			NA	NA	NA	NA		NA	NA	NA	NA			49.7	75.3	19.7	NA*
Sulfate (mg/L)			NA	NA	NA	NA		NA	NA	NA	NA			2.7j	2.5j	<0.44	NA*
Manganese (mg/L)			NA	NA	NA	NA		NA	NA	NA	NA			0.125	0.331	0.169	NA*
Dissolved Manganese (mg/L)			NA	NA	NA	NA		NA	NA	0.19	0.16			NA	NA	NA	NA*
Total Alkalinity (AsCO <sub>3</sub> )			NA	NA	NA	NA		NA	NA	430	310			NA	NA	NA	NA*
Dissolved Nitrate/Nitrite (mg/L)			NA	NA	NA	NA		NA	NA	<0.024	<0.024			NA	NA	NA	NA*
Dissolved Sulfate (mg/L)			NA	NA	NA	NA		NA	NA	56	29			NA	NA	NA	NA*
Total Organic Carbon (mg/L)			NA	NA	NA	NA		NA	NA	20.80	12.30			10.0	49.1	23.5	NA*
Dissolved Ethane (ug/L)			NA	NA	NA	NA		NA	NA	<14	<14			<1.2	<1.2	<1.2	NA*
Dissolved Ethene (ug/L)			NA	NA	NA	NA		NA	NA	<11	<11			<1.2	<1.2	<1.2	NA*
Dissolved Methane (ug/L)			NA	NA	NA	NA		NA	NA	40	41.3			207	2,470	4,870	NA*
<b>Field Parameters</b>																	
Temperature (°F)			NA	NA	NA	NA		NA	NA	56.93	58.77			58.6	41.3	41.3	65.5
Conductivity (ms/cm)			NA	NA	NA	NA		NA	NA	977	788			714	826	826	1,799
Dissolved Oxygen (mg/L)			NA	NA	NA	NA		NA	NA	0.59	0.45			0.38	1.26	1.26	0.99
pH			NA	NA	NA	NA		NA	NA	6.99	6.84			7.12	7.19	7.19	6.80
Redox Potential (mV)			NA	NA	NA	NA		NA	NA	-285	-264.0			-134.5	-68.1	-68.1	-100.5

NDA = No Data Available, laboratory reports not provided

PAL = Preventive Action Limit

ES = Enforcement Standards

<b>BOLD</b>	= Exceeds Enforcement Standard
<i>Italic</i>	= Exceeds Preventative Action Limit

NA - Not Analyzed

< - Concentration less than listed detection limit

j - Estimated Value between detection limit and quantification limit

\*MW200 did not contain enough water to analyze for inorganics on 9/3/20

**TABLE 2c**  
**MW300 GROUNDWATER ANALYTICAL RESULTS**  
**FORMER V&L STRIPPING**  
**864 MATHER STREET**  
**GREEN BAY, WI 54303**

PARAMETER	ES	PAL	MW300										10/28/19	2/5/20	5/13/20*	9/3/20*				
			8/31/98	3/23/00	5/21/01	12/4/02	8/16/07	4/10/08	5/12/09	6/8/10	9/28/10	10/30/18								
<b>Detected VOC's (ug/L)</b>													Cap 18 Injection - 6/19-6/20/19	Injection Oil in Well, No H2O Present	Injection Oil in Well, No H2O Present					
Benzene	5	0.5	<0.32	<0.10	0.92	<0.31	<4.1	<20.5	<10.2	<10	<10	<0.25				<1.2	<1.2			
Ethylbenzene	700	140	NDA	NDA	NDA	<0.5	<5.4	<27	<13.5	<25	<25	<0.22				<1.6	<1.6			
Naphthalene	100	10	NDA	NDA	NDA	<80	<29.6	<29.6	<22.2	<13	<13	<1.2				<5.9	<5.9			
Methyl-tert-Butyl Ether	60	12	NDA	NDA	NDA	<0.3	<6.1	<30.5	<15.2	<25	<25	<1.2				<6.2	<6.2			
Toluene	800	160	<0.35	<0.10	0.34	<0.30	<6.7	<33.5	<16.8	<25	<25	<0.17				<1.3	<1.3			
cis-1,2-Dichloroethene	70	7	<b>50</b>	<i>18</i>	<b>36</b>	<b>24.4</b>	<b>360</b>	<b>266</b>	<b>520</b>	<b>630</b>	<b>620</b>	<b>461</b>				<b>354</b>	<b>268</b>			
trans-1,2-Dichloroethene	100	20	75	<i>18</i>	39	7.13	<b>670</b>	<b>492</b>	<b>1,100</b>	<b>930</b>	<b>790</b>	<b>438</b>				<b>443</b>	<b>371</b>			
Vinyl Chloride	0.2	0.02	<0.15	<0.25	<b>0.61</b>	<0.2	<1.8	<9.0	<4.5	<10	<10	<b>0.55j</b>				<b>29.4</b>	<b>21.2</b>			
Tetrachloroethene	5	0.5	2.4	<b>5.2</b>	<0.85	2.85	<b>1,200</b>	<b>5,350</b>	<b>1,750</b>	<b>2,200</b>	<b>2,000</b>	<b>8.4</b>				<i>3.6j</i>	<b>8.8</b>			
Trichloroethene	5	0.5	2.4	<b>12</b>	2	3.61	<b>1,000</b>	<b>1,200</b>	<b>1,190</b>	<b>3,400</b>	<b>3,700</b>	3.2				<i>1.4j</i>	<i>1.5j</i>			
Total Trimethylbenzenes	480	96	NDA	NDA	NDA	<0.71	<19	<90	<45	<20	<20	<1.71				<8.6	<8.6			
Total Xylenes	2,000	400	NDA	NDA	NDA	<0.92	<26.3	<131.5	<45	<25	<25	<0.73				<3.6	<3.6			
<b>Geochemical Indicator Parameters</b>																				
Ferrous Iron (mg/L)			NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.028							2.2	NA
Nitrate-Nitrogen (mg/L)			NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.38				<0.22	NA			
Chloride (mg/L)			NA	NA	NA	NA	NA	NA	NA	NA	NA	57.6				67.7	NA			
Sulfate (mg/L)			NA	NA	NA	NA	NA	NA	NA	NA	NA	35.5				<2.2	NA			
Manganese (mg/L)			NA	NA	NA	NA	NA	NA	NA	NA	NA	0.217				0.804	NA			
Dissolved Manganese (mg/L)			NA	NA	NA	NA	NA	NA	NA	0.19	0.16	NA				NA	NA			
Total Alkalinity (AaCO <sub>2</sub> )			NA	NA	NA	NA	NA	NA	NA	430	310	NA				NA	NA			
Dissolved Nitrate/Nitrite (mg/L)			NA	NA	NA	NA	NA	NA	NA	<0.024	<0.024	NA				NA	NA			
Dissolved Sulfate (mg/L)			NA	NA	NA	NA	NA	NA	NA	56	29	NA				NA	NA			
Total Organic Carbon (mg/L)			NA	NA	NA	NA	NA	NA	NA	20.80	12.30	11.6				494	NA			
Dissolved Ethane (ug/L)			NA	NA	NA	NA	NA	NA	NA	<14	<14	<0.58				8.7	<1.2			
Dissolved Ethene (ug/L)			NA	NA	NA	NA	NA	NA	NA	<11	<11	<0.52				<1.2	1.9j			
Dissolved Methane (ug/L)			NA	NA	NA	NA	NA	NA	NA	40	41.3	4.0				13,700	11,200			
<b>Field Parameters</b>																				
Temperature (°F)			NA	NA	NA	NA	NA	NA	NA	56.93	58.77	61.5				Not Measured	66.3			
Conductivity (ms/cm)			NA	NA	NA	NA	NA	NA	NA	977	788	873				Oil in Well	1,616			
Dissolved Oxygen (mg/L)			NA	NA	NA	NA	NA	NA	NA	0.59	0.45	5.69					0.31			
pH			NA	NA	NA	NA	NA	NA	NA	6.99	6.84	6.98					6.14			
Redox Potential (mV)			NA	NA	NA	NA	NA	NA	NA	-285	-264.0	-78.7					-31.0			

NDA = No Data Available, laboratory reports not provided

PAL = Preventive Action Limit

ES = Enforcement Standards

<b>BOLD</b>	= Exceeds Enforcement Standard
<i>Italic</i>	= Exceeds Preventative Action Limit

NA - Not Analyzed

< - Concentration less than listed detection limit

j - Estimated Value between detection limit and quantification limit

\* - CAP 18 Oil present in well, sample collected from groundwater below oil

**TABLE 2d**  
**MW400 GROUNDWATER ANALYTICAL RESULTS**  
**FORMER V&L STRIPPING**  
**864 MATHER STREET**  
**GREEN BAY, WI 54303**

PARAMETER	ES	PAL	MW400									
			8/31/98	3/23/00	5/21/01	12/4/02	8/16/07	4/10/08	5/12/09	6/8/10	9/28/10	10/30/18
<b>Detected VOC's (ug/L)</b>												
Benzene	5	0.5	<0.32	<0.40	<1.4	<31	<10	<20.5	<41	<32	<20	Destroyed by Road Resconstruction
Ethylbenzene	700	140	NDA	NDA	NDA	<50	<14	<27	<54	<80	<50	
Naphthalene	100	10	NDA	NDA	NDA	<80	<18	<37	<89	<40	<25	
Methyl-tert-Butyl Ether	60	12	NDA	NDA	NDA	<30	<15	<30.5	<61	<80	<50	
Toluene	800	160	<0.35	<0.40	<0.65	<30	<17	<33.5	<67	<80	<50	
cis-1,2-Dichloroethene	70	7	<b>120</b>	<b>81</b>	<b>190</b>	<b>214</b>	<b>1,400</b>	<b>1,920</b>	<b>3,010</b>	<b>2,400</b>	<b>2,300</b>	
trans-1,2-Dichloroethene	100	20	<b>280</b>	<b>170</b>	<b>400</b>	<b>258</b>	<b>1,200</b>	<b>1,280</b>	<b>1,970</b>	<b>1,400</b>	<b>1,400</b>	
Vinyl Chloride	0.2	0.02	<0.15	<1.0	<b>1.4j</b>	<20	<4.5	<9.0	<18	<32	<20	
Tetrachloroethene	5	0.5	<b>34</b>	<b>21</b>	<b>120</b>	<b>526</b>	<b>3,500</b>	<b>1,830</b>	<b>83</b>	<b>6,000</b>	<b>6,500</b>	
Trichloroethene	5	0.5	<b>77</b>	<b>55</b>	<b>120</b>	<b>140</b>	<b>5,100</b>	<b>8,910</b>	<b>8,660</b>	<b>8,660</b>	<b>7,100</b>	
Total Trimethylbenzenes	480	96	NDA	NDA	NDA	<71	<65	<90	<180	<64	<40	
Total Xylenes	2,000	400	NDA	NDA	NDA	<92	<66	<131.5	<180	<80	<50	
<b>Geochemical Indicator Parameters</b>												
Ferrous Iron (mg/L)			NA	NA	NA	NA	NA	NA	NA	NA	NA	
Nitrate-Nitrogen (mg/L)			NA	NA	NA	NA	NA	NA	NA	NA	NA	
Chloride (mg/L)			NA	NA	NA	NA	NA	NA	NA	NA	NA	
Dissolved Manganese (mg/L)			NA	NA	NA	NA	NA	NA	NA	0.19	0.16	
Total Alkalinity (AaCO <sub>3</sub> )			NA	NA	NA	NA	NA	NA	NA	430	310	
Dissolved Nitrate/Nitrite (mg/L)			NA	NA	NA	NA	NA	NA	NA	<0.024	<0.024	
Dissolved Sulfate (mg/L)			NA	NA	NA	NA	NA	NA	NA	56	29	
Total Organic Carbon (mg/L)			NA	NA	NA	NA	NA	NA	NA	20.80	12.30	
Dissolved Ethane (ug/L)			NA	NA	NA	NA	NA	NA	NA	<14	<14	
Dissolved Ethene (ug/L)			NA	NA	NA	NA	NA	NA	NA	<11	<11	
Dissolved Methane (ug/L)			NA	NA	NA	NA	NA	NA	NA	40	41.3	
<b>Field Parameters</b>												
Temperature (°F)			NA	NA	NA	NA	NA	NA	NA	56.93	58.77	
Conductivity (ms/cm)			NA	NA	NA	NA	NA	NA	NA	977	788	
Dissolved Oxygen (mg/L)			NA	NA	NA	NA	NA	NA	NA	0.59	0.45	
pH			NA	NA	NA	NA	NA	NA	NA	6.99	6.84	
Redox Potential (mV)			NA	NA	NA	NA	NA	NA	NA	-285	-264.0	

NDA = No Data Available, laboratory reports not provided

PAL = Preventive Action Limit

ES = Enforcement Standards

<b>BOLD</b>	= Exceeds Enforcement Standard
<i>Italic</i>	= Exceeds Preventative Action Limit

NA - Not Analyzed

< - Concentration less than listed detection limit

j - Estimated Value between detection limit and quantification limit

**TABLE 2d**  
**MW600/MW600r GROUNDWATER ANALYTICAL RESULTS**  
**FORMER V&L STRIPPING**  
**864 MATHER STREET**  
**GREEN BAY, WI 54303**

PARAMETER	ES	PAL	MW600			MW600r			
			9/28/10	10/30/18		10/28/19	2/5/20	5/13/20*	9/3/20
<b>Detected VOC's (ug/L)</b>									
Benzene	5	0.5	<b>39</b>	Destroyed by Road Reconstruction	Cap 18 Injection - 6/19-6/20/19	3.3	<b>17.8</b>	<0.25	<i>0.51j</i>
Ethylbenzene	700	140	<2			<0.22	<0.22	<0.32	<0.32
Naphthalene	100	10	<1			<1.2	<1.2	<1.2	<1.2
Methyl-tert-Butyl Ether	60	12	<b>250</b>			<b>61.8</b>	<b>140</b>	<1.2	<b>128</b>
Toluene	800	160	<2			<0.17	<0.17	<0.27	<0.27
cis-1,2-Dichloroethene	70	7	<2			0.41j	<0.27	<0.27	<0.27
trans-1,2-Dichloroethene	100	20	<2			<1.1	<1.1	<0.46	<0.46
Vinyl Chloride	0.2	0.02	<0.8			<b>0.28j</b>	<0.17	<0.17	<0.17
Tetrachloroethene	5	0.5	<2			<0.33	<0.33	<0.33	<0.33
Trichloroethene	5	0.5	<0.8			<0.26	<0.26	<0.26	<0.26
Total Trimethylbenzenes	480	96	<1.6			<1.71	<1.71	<1.71	<1.71
Total Xylenes	2,000	400	<2			<0.73	<0.73	<0.73	<0.73
<b>Geochemical Indicator Parameters</b>									
Ferrous Iron (mg/L)			NA			<0.14	<0.021	<0.021	<0.021
Nitrate-Nitrogen (mg/L)			NA			1.2	0.087j	<0.44	<0.22
Chloride (mg/L)			NA			350	405	491	469
Sulfate (mg/L)			NA			231	194	194	194
Manganese (mg/L)			NA			0.721	0.947	0.964	0.920
Dissolved Manganese (mg/L)			NA			NA	NA	NA	NA
Total Alkalinity (AaCO <sub>3</sub> )			NA			NA	NA	NA	NA
Dissolved Nitrate/Nitrite (mg/L)			NA			NA	NA	NA	NA
Dissolved Sulfate (mg/L)			NA			NA	NA	NA	NA
Total Organic Carbon (mg/L)			NA			3.2	4.7	5.5	NA
Dissolved Ethane (ug/L)			NA			<1.2	7.4	3.2j	3.7j
Dissolved Ethene (ug/L)			NA			<1.2	<1.2	<1.2	<1.2
Dissolved Methane (ug/L)			NA			75.8	2,110	1,330	1,330
<b>Field Parameters</b>									
Temperature (°F)			54.63			56.50	44.60	48.80	62.00
Conductivity (ms/cm)			1,139			1,992	2,954	2,621	2,415
Dissolved Oxygen (mg/L)			0.73			9.04	1.24	1.17	3.10
pH			7.19			7.14	6.83	6.94	6.89
Redox Potential (mV)			61.0			78.7	75.4	50.1	28.3

NDA = No Data Available, laboratory reports not provided

PAL = Preventive Action Limit

ES = Enforcement Standards

<b>BOLD</b>	= Exceeds Enforcement Standard
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<i>Italic</i>	= Exceeds Preventative Action Limit
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NA - Not Analyzed

< - Concentration less than listed detection limit

j - Estimated Value between detection limit and quantification limit

\*VOC data suggests that MW600r and MW1000 were transposed on 5/13/20



**TABLE 2f**  
**MW1000 GROUNDWATER ANALYTICAL RESULTS**  
**FORMER V&L STRIPPING**  
**864 MATHER STREET**  
**GREEN BAY, WI 54303**

PARAMETER	ES	PAL	MW1000							Cap 18 Injection - 6/19-6/20/19	10/28/19	2/5/20	5/13/20*	9/3/20
			4/29/97	3/23/00	5/21/02	12/4/02	6/9/10	9/28/10	10/30/18					
<b>Detected VOC's (ug/L)</b>														
Benzene	5	0.5	<0.21	<0.10	<0.29	<0.31	<0.2	<0.2	<0.25		<0.25	<0.25	1.4	<0.25
Ethylbenzene	700	140	NDA	NDA	NDA	<0.5	<0.50	<0.50	<0.22		<0.22	<0.22	<0.32	<0.32
Naphthalene	100	10	NDA	NDA	NDA	<0.8	<0.25	<0.25	<1.2		<1.2	<1.2	<1.2	<1.2
Methyl-tert-Butyl Ether	60	12	NDA	NDA	NDA	<0.3	<0.50	<0.50	<1.2		<1.2	<1.2	<b>129</b>	<1.2
Toluene	800	160	<1.5	<0.10	0.3j	<0.3	<0.50	<0.50	<0.17		<0.17	<0.17	<0.27	<0.27
cis-1,2-Dichloroethene	70	7	<0.32	3.2	0.5j	0.245j	<0.50	<0.50	<0.27		<0.27	<0.27	<0.27	0.33j
trans-1,2-Dichloroethene	100	20	<0.11	<0.25	<0.35	<0.39	<0.50	<0.50	<1.1		<1.1	<1.1	<0.46	<0.46
Vinyl Chloride	0.2	0.02	<0.045	<0.25	<0.19	<0.2	<0.2	<0.2	<0.17		<0.17	<0.17	<0.17	<0.17
Tetrachloroethene	5	0.5	<i>0.63</i>	<i>2.7</i>	<0.85	<i>0.515j</i>	<0.50	<0.50	<0.33		<0.33	<0.33	<0.33	<0.33
Trichloroethene	5	0.5	0.47	<b>16</b>	<i>1.8</i>	<i>0.685j</i>	0.45j	<0.2	<0.26		<0.26	<0.26	<0.26	0.47j
Total Trimethylbenzenes	480	96	NDA	NDA	NDA	<0.71	<0.4	<0.4	<1.71		<1.71	<1.71	<1.71	<1.71
Total Xylenes	2,000	400	NDA	NDA	NDA	<0.92	<0.50	<0.50	<0.73		<0.73	<0.73	<0.73	<0.73
<b>Geochemical Indicator Parameters</b>														
Ferrous Iron (mg/L)			NA	NA	NA	NA	NA	NA	<0.028		<0.028	<0.021	<0.021	<0.021
Nitrate-Nitrogen (mg/L)			NA	NA	NA	NA	NA	NA	3.7		2.7	1.4	2.2	0.42j
Chloride (mg/L)			NA	NA	NA	NA	NA	NA	169		142	125	113	94.3
Sulfate (mg/L)			NA	NA	NA	NA	NA	NA	162		108	46.1	40.3	54.4
Manganese (mg/L)			NA	NA	NA	NA	NA	NA	1.54		0.593	0.246	0.338	1.1
Dissolved Manganese (mg/L)			NA	NA	NA	NA	0.19	0.16	NA		NA	NA	NA	NA
Total Alkalinity (AaCO <sub>3</sub> )			NA	NA	NA	NA	430	310	NA		NA	NA	NA	NA
Dissolved Nitrate/Nitrite (mg/L)			NA	NA	NA	NA	<0.024	<0.024	NA		NA	NA	NA	NA
Dissolved Sulfate (mg/L)			NA	NA	NA	NA	56	29	NA		NA	NA	NA	NA
Total Organic Carbon (mg/L)			NA	NA	NA	NA	20.80	12.30	2.9		8.0	6.5	6.5	NA
Dissolved Ethane (ug/L)			NA	NA	NA	NA	<14	<14	<0.58		<1.2	<1.2	<1.2	<1.2
Dissolved Ethene (ug/L)			NA	NA	NA	NA	<11	<11	<0.52		<1.2	<1.2	<1.2	<1.2
Dissolved Methane (ug/L)			NA	NA	NA	NA	40	41.3	<1.4		<0.66	<0.66	<0.66	1.0j
<b>Field Parameters</b>														
Temperature (°F)			NA	NA	NA	NA	54.63	64.00	60.2		59.2	45.1	49.0	62.4
Conductivity (ms/cm)			NA	NA	NA	NA	1,139	1,827	1,339		1,141	983	984	977
Dissolved Oxygen (mg/L)			NA	NA	NA	NA	0.73	1.95	1.58		1.07	0.85	1.42	2.84
pH			NA	NA	NA	NA	7.19	7.11	7.26		7.22	7.13	7.33	7.39
Redox Potential (mV)			NA	NA	NA	NA	61	90.9	109.1		150.2	19.2	15.8	-3.1

NDA = No Data Available, laboratory reports not provided

PAL = Preventive Action Limit

ES = Enforcement Standards

<b>BOLD</b>	= Exceeds Enforcement Standard
<i>Italic</i>	= Exceeds Preventative Action Limit

NA - Not Analyzed

< - Concentration less than listed detection limit

j - Estimated Value between detection limit and quantification limit

\*VOC data suggests that MW600r and MW1000 were transposed on 5/13/20

**TABLE 2g**  
**MW2000 GROUNDWATER ANALYTICAL RESULTS**  
**FORMER V&L STRIPPING**  
**864 MATHER STREET**  
**GREEN BAY, WI 54303**

PARAMETER	ES	PAL	MW2000								MW2000r			
			12/4/02	4/1/03	8/16/07	4/10/08	5/12/09	6/9/10	9/28/10	10/30/18	2/5/20	5/13/20	9/3/20	
<b>Detected VOC's (ug/L)</b>														
Benzene	5	0.5	<0.31	<0.31	<0.41	<0.41	<0.41	<0.20	<0.20	Destroyed by Road Resconstruction	Cap 18 Injection - 6/19-6/20/19	<0.25	<0.25	<0.25
Ethylbenzene	700	140	<0.5	<0.5	<0.54	<0.54	<0.54	<0.50	<0.50			<0.22	<0.32	<0.32
Naphthalene	100	10	<0.8	<0.8	<0.74	<0.74	<0.89	<0.25	<0.25			<1.2	<1.2	<1.2
Methyl-tert-Butyl Ether	60	12	<0.3	<0.3	<0.61	<0.61	<0.61	<0.50	<0.50			<1.2	<1.2	<1.2
Toluene	800	160	<0.3	<0.3	<0.67	<0.67	<0.67	<0.50	<0.50			<0.17	<0.27	<0.27
cis-1,2-Dichloroethene	70	7	<0.23	<0.23	<0.83	<0.83	<0.83	<0.50	<0.50			<0.27	<0.27	<0.27
trans-1,2-Dichloroethene	100	20	<0.396	<0.39	<0.89	<0.89	<0.89	<0.50	<0.50			<1.1	<0.46	<0.46
Vinyl Chloride	0.2	0.02	<0.2	<0.2	<0.18	<0.18	<0.18	<0.20	<0.20			<0.17	<0.17	<0.17
Tetrachloroethene	5	0.5	<0.32	<0.32	<0.45	<0.45	<0.45	<0.50	3.2			<i>0.69j</i>	0.43j	<0.33
Trichloroethene	5	0.5	<0.36	<0.36	<0.48	<0.48	<0.48	<0.20	0.74			<0.26	<0.26	<0.26
Total Trimethylbenzenes	480	96	<0.71	<0.71	<1.80	<1.80	<1.80	<0.40	<0.40			<1.71	<1.71	<1.71
Total Xylenes	2,000	400	<0.92	<0.92	<2.63	<2.63	<1.8	<0.50	<0.50	<0.73	<0.73	<0.73		
<b>Geochemical Indicator Parameters</b>														
Ferrous Iron (mg/L)			NA	NA	NA	NA	NA	NA	NA			0.070	<0.021	<0.021
Nitrate-Nitrogen (mg/L)			NA	NA	NA	NA	NA	NA	NA			<0.22	<0.044	<0.22
Chloride (mg/L)			NA	NA	NA	NA	NA	NA	NA			34.1	31.0	33.6
Sulfate (mg/L)			NA	NA	NA	NA	NA	NA	NA			0.28	0.32	0.137
Manganese (mg/L)			NA	NA	NA	NA	NA	NA	NA			32.4	32.4	32.4
Dissolved Manganese (mg/L)			NA	NA	NA	NA	NA	NA	NA			NA	NA	NA
Total Alkalinity (AaCO <sub>3</sub> )			NA	NA	NA	NA	NA	NA	NA			NA	NA	NA
Dissolved Nitrate/Nitrite (mg/L)			NA	NA	NA	NA	NA	NA	NA			NA	NA	NA
Dissolved Sulfate (mg/L)			NA	NA	NA	NA	NA	NA	NA			NA	NA	NA
Total Organic Carbon (mg/L)			NA	NA	NA	NA	NA	NA	NA			8.8	8.7	NA
Dissolved Ethane (ug/L)			NA	NA	NA	NA	NA	NA	NA			<1.2	<1.2	<1.2
Dissolved Ethene (ug/L)			NA	NA	NA	NA	NA	NA	NA			<1.2	<1.2	<1.2
Dissolved Methane (ug/L)			NA	NA	NA	NA	NA	NA	NA			27.4	15.4	1,310
<b>Field Parameters</b>														
Temperature (°F)			NA	NA	NA	NA	NA	NA	NA			45.3	47.9	58.0
Conductivity (ms/cm)			NA	NA	NA	NA	NA	NA	NA			629.7	675.5	745
Dissolved Oxygen (mg/L)			NA	NA	NA	NA	NA	NA	NA			4.69	1.60	0.29
pH			NA	NA	NA	NA	NA	NA	NA			7.40	7.28	7.28
Redox Potential (mV)			NA	NA	NA	NA	NA	NA	NA			-26.70	-96.4	-109.5

NDA = No Data Available, laboratory reports not provided

PAL = Preventive Action Limit

ES = Enforcement Standards

**BOLD** = Exceeds Enforcement Standard

*Italic* = Exceeds Preventative Action Limit

NA - Not Analyzed

< - Concentration less than listed detection limit

j - Estimated Value between detection limit and quantification limit

**TABLE 2h**  
**MW2100 GROUNDWATER ANALYTICAL RESULTS**  
**FORMER V&L STRIPPING**  
**864 MATHER STREET**  
**GREEN BAY, WI 54303**

PARAMETER	ES	PAL	MW2100										10/28/19	2/5/20	5/13/20	9/3/20		
			12/4/02	4/1/03	8/16/07	4/10/08	5/12/09	6/9/10	9/28/10	10/30/18								
<b>Detected VOC's (ug/L)</b>																		
Benzene	5	0.5	<15.5	<0.31	<0.41	<0.41	<0.82	<0.40	<0.40	<0.25	Cap 18 Injection - 6/19-6/20/19	<0.25	<0.25	<0.25	<0.25			
Ethylbenzene	700	140	<25	<0.5	<0.54	<0.54	<1.1	<1.0	<1.0	<0.22		<0.22	<0.22	<0.32	<0.32			
Naphthalene	100	10	<40	<0.8	<0.74	<0.74	<1.8	<0.50	<0.50	<1.2		<1.2	<1.2	<1.2	<1.2			
Methyl-tert-Butyl Ether	60	12	<15	<0.3	<0.61	<0.61	<1.2	<1.0	<1.0	<1.2		<1.2	<1.2	<1.2	<1.2			
Toluene	800	160	<15	<0.3	<0.67	<0.67	<1.3	<1.0	<1.0	<0.17		<0.17	<0.17	<0.27	<0.27			
cis-1,2-Dichloroethene	70	7	<b>241</b>	<b>181</b>	<b>230</b>	<b>147</b>	<b>130</b>	<b>130</b>	<b>220</b>	<b>148</b>		<i>16.1</i>	<b>98.2</b>	5.7	<b>126</b>			
trans-1,2-Dichloroethene	100	20	<19.5	12.2	11	5.5	5.6	5.0	8.8	9.1		1.4j	4.1	0.69j	6.0			
Vinyl Chloride	0.2	0.02	<10	<0.2	<b>1.4</b>	<0.18	<0.36	<b>0.54j</b>	<b>0.74j</b>	<b>0.67j</b>		<0.17	<b>0.30j</b>	<0.17	<b>0.90j</b>			
Tetrachloroethene	5	0.5	<16	<0.32	<0.45	<0.45	<0.9	<1.0	<1.0	<0.33		<0.33	<0.33	<0.33	<0.33			
Trichloroethene	5	0.5	<18	<i>2.1</i>	<i>0.55j</i>	<0.48	<0.96	<i>0.56j</i>	<i>0.64j</i>	<i>0.89j</i>		<i>0.73j</i>	<i>0.62j</i>	<0.26	<i>0.52j</i>			
Total Trimethylbenzenes	480	96	<35.5	<0.71	<1.80	<1.80	<3.6	<0.80	<0.80	<1.71		<1.71	<1.71	<1.71	<1.71			
Total Xylenes	2,000	400	<46	<0.92	<2.63	<2.63	<3.6	<1.0	<1.0	<0.73		<0.73	<0.73	<0.73	<0.73			
<b>Geochemical Indicator Parameters</b>																		
Ferrous Iron (mg/L)			NA	NA	NA	NA	NA	NA	NA	<0.028			<0.028	<0.021	<0.021	<0.021		
Nitrate-Nitrogen (mg/L)			NA	NA	NA	NA	NA	NA	NA	<0.075		3.3	0.27	11.3	0.56			
Chloride (mg/L)			NA	NA	NA	NA	NA	NA	NA	602		293	461	69.1	397			
Sulfate (mg/L)			NA	NA	NA	NA	NA	NA	NA	54.6		38.9	44.3	25.8	32.9			
Manganese (mg/L)			NA	NA	NA	NA	NA	NA	NA	0.218		0.064	0.101	0.159	0.225			
Dissolved Manganese (mg/L)			NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA			
Total Alkalinity (AaCO <sub>3</sub> )			NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA			
Dissolved Nitrate/Nitrite (mg/L)			NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA			
Dissolved Sulfate (mg/L)			NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA			
Total Organic Carbon (mg/L)			NA	NA	NA	NA	NA	NA	NA	0.48j		1.0	1.1	3.0	NA			
Dissolved Ethane (ug/L)			NA	NA	NA	NA	NA	NA	NA	<0.58		<1.2	<1.2	<1.2	<1.2			
Dissolved Ethene (ug/L)			NA	NA	NA	NA	NA	NA	NA	<0.52		<1.2	<1.2	<1.2	<1.2			
Dissolved Methane (ug/L)			NA	NA	NA	NA	NA	NA	NA	253		13.9	16.8	1.1j	107.0			
<b>Field Parameters</b>																		
Temperature (°F)			NA	NA	NA	NA	NA	NA	NA	59.3		58.7	45.1	47.0	63.1			
Conductivity (ms/cm)			NA	NA	NA	NA	NA	NA	NA	1,801		1,657	1,921	892	2,129			
Dissolved Oxygen (mg/L)			NA	NA	NA	NA	NA	NA	NA	7.11		3.80	0.45	4.32	0.71			
pH			NA	NA	NA	NA	NA	NA	NA	7.51		7.27	7.43	7.62	7.35			
Redox Potential (mV)			NA	NA	NA	NA	NA	NA	NA	-96.0		-39.2	96.2	36.3	-90.8			

NDA = No Data Available, laboratory reports not provided

PAL = Preventive Action Limit

ES = Enforcement Standards

<b>BOLD</b>	= Exceeds Enforcement Standard
<i>Italic</i>	= Exceeds Preventative Action Limit

NA - Not Analyzed

< - Concentration less than listed detection limit

j - Estimated Value between detection limit and quantification limit

**TABLE 2i**  
**MW3200 GROUNDWATER ANALYTICAL RESULTS**  
**FORMER V&L STRIPPING**  
**864 MATHER STREET**  
**GREEN BAY, WI 54303**

PARAMETER	ES	PAL	MW3200											
			4/1/03	8/16/07	4/10/08	5/12/09	6/9/10	9/28/10	10/30/18	10/28/19	2/5/20	5/13/20	9/3/20	
<b>Detected VOC's (ug/L)</b>														
Benzene	5	0.5	<0.31	<0.41	<0.41	<0.41	<0.20	<0.20	<0.25	Cap 18 Injection - 6/19-6/20/19	<0.25	<0.25	<0.25	<0.25
Ethylbenzene	700	140	<0.5	<0.54	<0.54	<0.54	<0.50	<0.50	<0.22		<0.22	<0.22	<0.32	<0.32
Naphthalene	100	10	<0.8	<0.74	<0.74	<0.89	<0.25	<0.25	<1.2		<1.2	<1.2	<1.2	<1.2
Methyl-tert-Butyl Ether	60	12	<0.3	<0.61	<0.61	<0.61	<0.50	<0.50	<1.2		<1.2	<1.2	<1.2	<1.2
Toluene	800	160	<0.3	<0.67	<0.67	<0.67	<0.50	<0.50	<0.17		<0.17	<0.17	<0.27	<0.27
cis-1,2-Dichloroethene	70	7	<0.23	<0.83	<0.83	<0.83	<0.50	<0.50	<0.27		<0.27	<0.27	0.29j	0.29j
trans-1,2-Dichloroethene	100	20	<0.39	<0.89	<0.89	<0.89	<0.50	<0.50	<1.1		<1.1	<1.1	<0.46	<0.46
Vinyl Chloride	0.2	0.02	<0.2	<0.18	<0.18	<0.18	<0.20	<0.20	<0.17		<0.17	<0.17	<0.17	<0.17
Tetrachloroethene	5	0.5	<0.2	<0.18	<0.18	<0.18	<0.20	<0.20	0.65j		<0.33	<0.33	0.55j	<0.33
Trichloroethene	5	0.5	<b>13.5</b>	<0.45	0.52j	0.81j	<0.50	<0.50	0.47j		0.49j	<0.26	0.52j	0.69j
Total Trimethylbenzenes	480	96	<0.71	<1.80	<1.80	<1.80	<0.40	<0.40	<1.71		<1.71	<1.71	<1.71	<1.71
Total Xylenes	2,000	400	<0.92	<2.63	<2.63	<1.8	<0.50	<0.50	<0.73		<0.73	<0.73	<0.73	<0.73
<b>Geochemical Indicator Parameters</b>														
Ferrous Iron (mg/L)			NA	NA	NA	NA	NA	NA	<0.028		<0.14	<0.021	<0.021	<0.021
Nitrate-Nitrogen (mg/L)			NA	NA	NA	NA	NA	NA	<0.075		<0.075	<0.22	<0.044	<0.22
Chloride (mg/L)			NA	NA	NA	NA	NA	NA	39.9		37.3	25.4	2.5	58.8
Sulfate (mg/L)			NA	NA	NA	NA	NA	NA	10.6		27.5	19.4	<0.44	72.9
Manganese (mg/L)			NA	NA	NA	NA	NA	NA	0.224		0.150	0.128	0.0166	0.138
Dissolved Manganese (mg/L)			NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA
Total Alkalinity (AaCO <sub>3</sub> )			NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA
Dissolved Nitrate/Nitrite (mg/L)			NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA
Dissolved Sulfate (mg/L)			NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA
Total Organic Carbon (mg/L)			NA	NA	NA	NA	NA	NA	20.1		6.9	8.2	6.1	NA
Dissolved Ethane (ug/L)			NA	NA	NA	NA	NA	NA	<0.58		<1.2	<1.2	<1.2	<1.2
Dissolved Ethene (ug/L)			NA	NA	NA	NA	NA	NA	<0.52		<1.2	<1.2	<1.2	<1.2
Dissolved Methane (ug/L)			NA	NA	NA	NA	NA	NA	10.2		266	639	3,150	48.8
<b>Field Parameters</b>														
Temperature (°F)			NA	NA	NA	NA	NA	NA	51.2		56.6	41.6	53.8	54.1
Conductivity (ms/cm)			NA	NA	NA	NA	NA	NA	757		719	781	426	916
Dissolved Oxygen (mg/L)			NA	NA	NA	NA	NA	NA	4.91		0.24	0.39	1.57	2.80
pH			NA	NA	NA	NA	NA	NA	7.00		7.11	7.33	7.63	7.53
Redox Potential (mV)			NA	NA	NA	NA	NA	NA	-109.5		-163.6	-128.5	-88.5	-108.7

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ES = Enforcement Standards

<b>BOLD</b>	= Exceeds Enforcement Standard
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<i>Italic</i>	= Exceeds Preventative Action Limit
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NA - Not Analyzed

< - Concentration less than listed detection limit

j - Estimated Value between detection limit and quantification limit

**TABLE 2j**  
**PZ1700 GROUNDWATER ANALYTICAL RESULTS**  
**FORMER V&L STRIPPING**  
**864 MATHER STREET**  
**GREEN BAY, WI 54303**

PARAMETER	ES	PAL	PZ1700										2/5/20	5/13/20	9/3/20	
			12/4/02	4/1/03	8/16/07	4/10/08	5/12/09	6/9/10	9/28/10	10/30/18						
<b>Detected VOC's (ug/L)</b>																
Benzene	5	0.5	<0.31	<0.31	<0.41	<0.41	<0.41	<0.41	<0.20	<0.20	Flush Mount Concrete In	Cap 18 Injection - 6/19-6/20/19	<0.25	<0.25	<0.25	
Ethylbenzene	700	140	<0.5	<0.5	<0.54	<0.54	<0.54	<0.50	<0.50	<0.22			<0.32	<0.32		
Naphthalene	100	10	<0.8	<0.8	<0.74	<0.74	<0.89	<0.25	0.47j	<1.2			<1.2	<1.2		
Methyl-tert-Butyl Ether	60	12	<0.3	<0.3	<0.61	<0.61	<0.61	<0.50	<0.50	<1.2			<1.2	<1.2		
Toluene	800	160	<0.3	<0.3	<0.67	<0.67	<0.67	<0.50	<0.50	<0.17			<0.27	<0.27		
cis-1,2-Dichloroethene	70	7	<0.23	0.75j	<0.83	<0.83	<0.83	<0.50	<0.50	0.62j			<0.27	0.89j		
trans-1,2-Dichloroethene	100	20	<0.39	<0.39	<0.89	<0.89	<0.89	<0.50	<0.50	<1.1			<0.46	<0.46		
Vinyl Chloride	0.2	0.02	<0.2	<0.2	<0.18	<0.18	<0.18	<0.20	<0.20	<0.17			<0.17	<0.17		
Tetrachloroethene	5	0.5	<0.32	0.638j	<0.45	<0.45	0.47j	<0.50	<0.50	<0.33			<0.33	<0.33		
Trichloroethene	5	0.5	<0.36	0.924j	1.2j	<0.48	<0.48	0.20j	<0.20	0.29j			0.48j	<0.26		
Total Trimethylbenzenes	480	96	<0.71	<0.71	<1.80	<1.80	<1.80	<0.40	0.46	<1.71			<1.71	<1.71		
Total Xylenes	2,000	400	<0.92	<0.92	<2.63	<2.63	<1.8	<0.50	<0.5	<0.73			<0.73	<0.73		
<b>Geochemical Indicator Parameters</b>																
Ferrous Iron (mg/L)			NA	NA	NA	NA	NA	NA	NA	NA	May Be Accessible		<0.021	<0.021	<0.021	
Nitrate-Nitrogen (mg/L)			NA	NA	NA	NA	NA	NA	NA	NA			<0.044	<0.044	<0.044	
Chloride (mg/L)			NA	NA	NA	NA	NA	NA	NA	NA			2.7	42.0	2.8	
Sulfate (mg/L)			NA	NA	NA	NA	NA	NA	NA	NA			0.45j	44.2	0.48j	
Manganese (mg/L)			NA	NA	NA	NA	NA	NA	NA	NA			0.0147	0.122	0.0155	
Dissolved Manganese (mg/L)			NA	NA	NA	NA	NA	NA	NA	NA			NA	NA	NA	
Total Alkalinity (AaCO <sub>3</sub> )			NA	NA	NA	NA	NA	NA	NA	NA			NA	NA	NA	
Dissolved Nitrate/Nitrite (mg/L)			NA	NA	NA	NA	NA	NA	NA	NA			NA	NA	NA	
Dissolved Sulfate (mg/L)			NA	NA	NA	NA	NA	NA	NA	NA			NA	NA	NA	
Total Organic Carbon (mg/L)			NA	NA	NA	NA	NA	NA	NA	NA			6.2	5.7	NA	
Dissolved Ethane (ug/L)			NA	NA	NA	NA	NA	NA	NA	NA			<1.2	<1.2	<1.2	
Dissolved Ethene (ug/L)			NA	NA	NA	NA	NA	NA	NA	NA			<1.2	<1.2	<1.2	
Dissolved Methane (ug/L)			NA	NA	NA	NA	NA	NA	NA	NA			2,910	65.0	1,290	
<b>Field Parameters</b>																
Temperature (°F)			NA	NA	NA	NA	NA	NA	NA	NA			50.2	47.1	61.6	
Conductivity (ms/cm)			NA	NA	NA	NA	NA	NA	NA	NA			410.9	808	734	
Dissolved Oxygen (mg/L)			NA	NA	NA	NA	NA	NA	NA	NA			0.51	2.33	7.80	
pH			NA	NA	NA	NA	NA	NA	NA	NA			7.50	7.36	7.74	
Redox Potential (mV)			NA	NA	NA	NA	NA	NA	NA	NA			6.4	-125.8	-90.7	

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<b>BOLD</b>	= Exceeds Enforcement Standard
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NA - Not Analyzed

< - Concentration less than listed detection limit

j - Estimated Value between detection limit and quantification limit

**TABLE 2k**  
**TW800/MW800 GROUNDWATER ANALYTICAL RESULTS**  
**FORMER V&L STRIPPING**  
**864 MATHER STREET**  
**GREEN BAY, WI 54303**

PARAMETER	TW800							MW800				
	ES	PAL	10/10/02	4/1/03	6/8/10	9/28/10	10/30/18	10/28/19	2/5/20	5/13/20	9/3/20	
<b>Detected VOC's (ug/L)</b>												
Benzene	5	0.5	<0.31	<0.31	<20	<16	Destroyed by Road Reconstruction	Cap 18 Injection - 6/19-6/20/19	<9.9	<6.2	<6.2	<6.2
Ethylbenzene	700	140	<0.5	<0.5	<50	<40			<8.7	<5.5	<8.0	<8.0
Naphthalene	100	10	<0.8	<0.8	<25	<20			<47.0	<29.4	<29.4	<29.4
Methyl-tert-Butyl Ether	60	12	<0.3	<0.3	<50	<40			<49.8	<31.1	<31.1	<31.1
Toluene	800	160	1.07	0.662j	<50	<40			<6.9	<4.3	<6.7	<6.7
cis-1,2-Dichloroethene	70	7	<b>8,520</b>	<0.23	<b>5,500</b>	<b>8,500</b>			<b>2,130</b>	<b>2,990</b>	<b>4,000</b>	<b>4,930</b>
trans-1,2-Dichloroethene	100	20	<b>364</b>	<b>354</b>	<b>910</b>	<b>1,610</b>			<b>437</b>	<b>483</b>	<b>336</b>	<b>662</b>
Vinyl Chloride	0.2	0.02	<b>10.8</b>	<b>11.4</b>	<20	<16			<7.0	<4.4	<4.4	<b>30.3</b>
Tetrachloroethene	5	0.5	<b>3,060</b>	<b>2,200</b>	<b>1,100</b>	<b>230</b>			<b>1,130</b>	<b>9,480</b>	<b>21,100</b>	<b>4,680</b>
Trichloroethene	5	0.5	<b>20,000</b>	<b>14,600</b>	<b>2,300</b>	<b>2,200</b>			<b>2,310</b>	<b>6,470</b>	<b>5,320</b>	<b>5,620</b>
Total Trimethylbenzenes	480	96	<0.71	<0.71	<0.40	<32			<68.5	<42.8	<42.8	<42.8
Total Xylenes	2,000	400	<0.92	<0.92	<50	<40			<29.1	<18.1	<18.1	<18.1
<b>Geochemical Indicator Parameters</b>												
Ferrous Iron (mg/L)			NA	NA	NA	NA			<0.14	<0.021	<0.021	<0.021
Nitrate-Nitrogen (mg/L)			NA	NA	NA	NA			1.1	<0.044	<0.044	<0.044
Chloride (mg/L)			NA	NA	NA	NA			117	163	91	91
Sulfate (mg/L)			NA	NA	NA	NA			42.3	32.1	30.1	30.1
Manganese (mg/L)			NA	NA	NA	NA			0.484	0.892	0.513	0.475
Dissolved Manganese (mg/L)			NA	NA	NA	NA			NA	NA	NA	NA
Total Alkalinity (AaCO <sub>3</sub> )			NA	NA	NA	NA			NA	NA	NA	NA
Dissolved Nitrate/Nitrite (mg/L)			NA	NA	NA	NA			1.1	NA	NA	NA
Dissolved Sulfate (mg/L)			NA	NA	NA	NA			NA	NA	NA	NA
Total Organic Carbon (mg/L)			NA	NA	NA	NA			12.0	11.9	13.9	13.9
Dissolved Ethane (ug/L)			NA	NA	NA	NA			<1.2	<1.2	<1.2	<1.2
Dissolved Ethene (ug/L)			NA	NA	NA	NA			<1.2	<1.2	<1.2	1.7j
Dissolved Methane (ug/L)			NA	NA	NA	NA			34.2	892	403	3,020
<b>Field Parameters</b>												
Temperature (°F)			NA	NA	NA	NA			58.6	46.2	56.8	69.0
Conductivity (ms/cm)			NA	NA	NA	NA			1,033	1,259	733	1,143
Dissolved Oxygen (mg/L)			NA	NA	NA	NA			8.15	0.37	1.80	0.54
pH			NA	NA	NA	NA			7.11	7.05	7.11	6.96
Redox Potential (mV)			NA	NA	NA	NA			-26.2	15.3	-33.6	-27.0

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<b>BOLD</b>	= Exceeds Enforcement Standard
<i>Italic</i>	= Exceeds Preventative Action Limit

NA - Not Analyzed

< - Concentration less than listed detection limit

j - Estimated Value between detection limit and quantification limit

**TABLE 21**  
**TW900 GROUNDWATER ANALYTICAL RESULTS**  
**FORMER V&L STRIPPING**  
**864 MATHER STREET**  
**GREEN BAY, WI 54303**

PARAMETER	ES	PAL	TW900							
			10/10/02	4/1/03	9/28/10	10/30/18		10/28/19	2/5/20	
<b>Detected VOC's (ug/L)</b>										
Benzene	5	0.5	<310	<0.31	<40	Could Not Locate Inside Building	Cap 18 Injection - 6/19-6/20/19	Dry	Dry	
Ethylbenzene	700	140	<500	<0.5	<100					
Naphthalene	100	10	<800	<0.8	<50					
Methyl-tert-Butyl Ether	60	12	<300	<0.3	<100					
Toluene	800	160	<300	0.484j	<100					
cis-1,2-Dichloroethene	70	7	<b>250</b>	<b>316</b>	<b>780</b>					
trans-1,2-Dichloroethene	100	20	<390	33.6	<b>730</b>					
Vinyl Chloride	0.2	0.02	<200	<b>1.03</b>	<40					
Tetrachloroethene	5	0.5	<b>11,300</b>	<b>16,000</b>	<b>21,000</b>					
Trichloroethene	5	0.5	<b>7,450</b>	<b>4,910</b>	<b>6,200</b>					
Total Trimethylbenzenes	480	96	<710	<0.71	<80					
Total Xylenes	2,000	400	<920	<0.92	<100					
<b>Geochemical Indicator Parameters</b>										
Ferrous Iron (mg/L)			NA	NA	NA					
Nitrate-Nitrogen (mg/L)			NA	NA	NA					
Chloride (mg/L)			NA	NA	NA					
Dissolved Manganese (mg/L)			NA	NA	NA					
Total Alkalinity (AaCO <sub>3</sub> )			NA	NA	NA					
Dissolved Nitrate/Nitrite (mg/L)			NA	NA	NA					
Dissolved Sulfate (mg/L)			NA	NA	NA					
Total Organic Carbon (mg/L)			NA	NA	NA					
Dissolved Ethane (ug/L)			NA	NA	NA					
Dissolved Ethene (ug/L)			NA	NA	NA					
Dissolved Methane (ug/L)			NA	NA	NA					
<b>Field Parameters</b>										
Temperature (°F)			NA	NA	NA					
Conductivity (ms/cm)			NA	NA	NA					
Dissolved Oxygen (mg/L)			NA	NA	NA					
pH			NA	NA	NA					
Redox Potential (mV)			NA	NA	NA					

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ES = Enforcement Standards

<b>BOLD</b>	= Exceeds Enforcement Standard
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**TABLE 2m**  
**TW1100 GROUNDWATER ANALYTICAL RESULTS**  
**FORMER V&L STRIPPING**  
**864 MATHER STREET**  
**GREEN BAY, WI 54303**

PARAMETER	ES	PAL	TW1100	
			10/10/02	4/1/03
<b>Detected VOC's (ug/L)</b>				
Benzene	5	0.5	<i>1.80</i>	<i>1.48</i>
Ethylbenzene	700	140	<0.5	<0.5
Naphthalene	100	10	<0.8	<0.8
Methyl-tert-Butyl Ether	60	12	<0.3	<0.3
Toluene	800	160	<0.3	<0.3
cis-1,2-Dichloroethene	70	7	<b>306</b>	<b>252</b>
trans-1,2-Dichloroethene	100	20	<b>343</b>	<b>359</b>
Vinyl Chloride	0.2	0.02	<b>1.97</b>	<b>1.34</b>
Tetrachloroethene	5	0.5	<b>54.8</b>	<b>78.1</b>
Trichloroethene	5	0.5	<b>626.0</b>	<b>306.0</b>
Total Trimethylbenzenes	480	96	<0.71	<0.71
Total Xylenes	2,000	400	<0.92	<0.92
<b>Geochemical Indicator Parameters</b>				
Ferrous Iron (mg/L)			NA	NA
Nitrate-Nitrogen (mg/L)			NA	NA
Chloride (mg/L)			NA	NA
Dissolved Manganese (mg/L)			NA	NA
Total Alkalinity (AaCO <sub>3</sub> )			NA	NA
Dissolved Nitrate/Nitrite (mg/L)			NA	NA
Dissolved Sulfate (mg/L)			NA	NA
Total Organic Carbon (mg/L)			NA	NA
Dissolved Ethane (ug/L)			NA	NA
Dissolved Ethene (ug/L)			NA	NA
Dissolved Methane (ug/L)			NA	NA
<b>Field Parameters</b>				
Temperature (°F)			NA	NA
Conductivity (ms/cm)			NA	NA
Dissolved Oxygen (mg/L)			NA	NA
pH			NA	NA
Redox Potential (mV)			NA	NA

NDA = No Data Available, laboratory reports not provided

PAL = Preventive Action Limit

ES = Enforcement Standards

<b>BOLD</b>	= Exceeds Enforcement Standard
<i>Italic</i>	= Exceeds Preventative Action Limit

NA - Not Analyzed

< - Concentration less than listed detection limit

j - Estimated Value between detection limit and quantification limit



**TABLE 2n**  
**TW1300 GROUNDWATER ANALYTICAL RESULTS**  
**FORMER V&L STRIPPING**  
**864 MATHER STREET**  
**GREEN BAY, WI 54303**

PARAMETER	ES	PAL	TW1300			
			10/10/02	4/1/03	6/8/10	9/28/10
<b>Detected VOC's (ug/L)</b>						
Benzene	5	0.5	<0.31	<155	3.2	<2
Ethylbenzene	700	140	<0.5	<250	<8.0	<5
Naphthalene	100	10	<0.8	<400	<4.0	<2.5
Methyl-tert-Butyl Ether	60	12	<0.3	<150	<8.0	<5
Toluene	800	160	0.683j	<150	<8.0	<5
cis-1,2-Dichloroethene	70	7	<b>1,130</b>	<b>696</b>	<b>890</b>	<b>1,000</b>
trans-1,2-Dichloroethene	100	20	<b>745</b>	<b>299</b>	<b>590</b>	<b>820</b>
Vinyl Chloride	0.2	0.02	<b>3.04</b>	<100	<3.2	<2
Tetrachloroethene	5	0.5	<b>825</b>	<b>763</b>	<b>130</b>	<b>170</b>
Trichloroethene	5	0.5	<b>6,030</b>	<b>2,540</b>	<b>71</b>	<b>55</b>
Total Trimethylbenzenes	480	96	<0.71	<355	<6.4	<4
Total Xylenes	2,000	400	<0.92	<460	<8.0	<5
<b>Geochemical Indicator Parameters</b>						
Ferrous Iron (mg/L)			NA	NA	NA	NA
Nitrate-Nitrogen (mg/L)			NA	NA	NA	NA
Chloride (mg/L)			NA	NA	NA	NA
Dissolved Manganese (mg/L)			NA	NA	NA	NA
Total Alkalinity (AaCO <sub>3</sub> )			NA	NA	NA	NA
Dissolved Nitrate/Nitrite (mg/L)			NA	NA	NA	NA
Dissolved Sulfate (mg/L)			NA	NA	NA	NA
Total Organic Carbon (mg/L)			NA	NA	NA	NA
Dissolved Ethane (ug/L)			NA	NA	NA	NA
Dissolved Ethene (ug/L)			NA	NA	NA	NA
Dissolved Methane (ug/L)			NA	NA	NA	NA
<b>Field Parameters</b>						
Temperature (°F)			NA	NA	NA	NA
Conductivity (ms/cm)			NA	NA	NA	NA
Dissolved Oxygen (mg/L)			NA	NA	NA	NA
pH			NA	NA	NA	NA
Redox Potential (mV)			NA	NA	NA	NA

NDA = No Data Available, laboratory reports not provided

PAL = Preventive Action Limit

ES = Enforcement Standards

<b>BOLD</b>	= Exceeds Enforcement Standard
<i>Italic</i>	= Exceeds Preventative Action Limit

NA - Not Analyzed

< - Concentration less than listed detection limit

j - Estimated Value between detection limit and quantification limit

**TABLE 2o**  
**TW1400 GROUNDWATER ANALYTICAL RESULTS**  
**FORMER V&L STRIPPING**  
**864 MATHER STREET**  
**GREEN BAY, WI 54303**

PARAMETER	TW1400											
	ES	PAL	10/10/02	4/1/03	6/8/10	9/28/10	10/30/18		10/28/19	2/5/20	5/13/20	9/3/20
<b>Detected VOC's (ug/L)</b>												
Benzene	5	0.5	<0.31	<155	<6.4	<0.8	Could Not Locate Inside Building	Cap 18 Injection - 6/19-6/20/19	<0.99	<0.99	<0.99	<0.99
Ethylbenzene	700	140	<0.5	<250	<16	<2			<0.87	<0.87	<1.3	<1.3
Naphthalene	100	10	<0.8	<400	<8.0	<1			<4.7	<4.7	<4.7	<4.7
Methyl-tert-Butyl Ether	60	12	<0.3	<150	<16	<2			<5.0	<5.0	<5.0	<5.0
Toluene	800	160	<0.3	<150	<16	<2			<0.69	<0.69	<1.1	<1.1
cis-1,2-Dichloroethene	70	7	<b>222</b>	<115	<b>120</b>	<b>74</b>			<i>10.7</i>	<i>12.6</i>	6.2	<b>184</b>
trans-1,2-Dichloroethene	100	20	<b>644</b>	<b>347</b>	<b>300</b>	<b>190</b>			23.8	12.3j	10.5	26.9
Vinyl Chloride	0.2	0.02	<b>0.789</b>	<100	<6.4	<0.8			<0.70	<0.70	<0.70	<0.70
Tetrachloroethene	5	0.5	<b>1,990</b>	<b>2,960</b>	<b>1,700</b>	<b>260</b>			<b>283</b>	<b>853</b>	<b>1,100</b>	<b>161</b>
Trichloroethene	5	0.5	<b>1,200</b>	<b>1,820</b>	<b>76</b>	<b>120</b>			<b>7.6</b>	<b>21.2</b>	<b>10.4</b>	<b>17.5</b>
Total Trimethylbenzenes	480	96	<0.71	<355	<12.8	<1.6			<6.9	<6.9	<6.9	<6.9
Total Xylenes	2,000	400	<0.92	<460	<8.0	<5			<2.9	<2.9	<2.9	<2.9
<b>Geochemical Indicator Parameters</b>												
Ferrous Iron (mg/L)			NA	NA	NA	NA			<0.70	0.21	<0.10	NA*
Nitrate-Nitrogen (mg/L)			NA	NA	NA	NA			<0.075	<0.22	<0.22	NA*
Chloride (mg/L)			NA	NA	NA	NA			136	142	139.0	NA*
Sulfate (mg/L)			NA	NA	NA	NA			50.0	33.3	16.4	NA*
Manganese (mg/L)			NA	NA	NA	NA			0.525	1.51	1.18	NA*
Dissolved Manganese (mg/L)			NA	NA	NA	NA			NA	NA	NA	NA*
Total Alkalinity (AaCO <sub>3</sub> )			NA	NA	NA	NA			NA	NA	NA	NA*
Dissolved Nitrate/Nitrite (mg/L)			NA	NA	NA	NA			NA	NA	NA	NA*
Dissolved Sulfate (mg/L)			NA	NA	NA	NA			NA	NA	NA	NA*
Total Organic Carbon (mg/L)			NA	NA	NA	NA			2.8	4.5	16.9	NA*
Dissolved Ethane (ug/L)			NA	NA	NA	NA			<1.2	<1.2	<1.2	NA*
Dissolved Ethene (ug/L)			NA	NA	NA	NA			<1.2	<1.2	<1.2	NA*
Dissolved Methane (ug/L)			NA	NA	NA	NA			0.89j	<0.66	<0.66	NA*
<b>Field Parameters</b>												
Temperature (°F)			NA	NA	NA	NA			59.7	46.9	49.6	51.2
Conductivity (ms/cm)			NA	NA	NA	NA			1,194	1,174	1,108	1,423
Dissolved Oxygen (mg/L)			NA	NA	NA	NA			2.80	3.67	3.35	3.27
pH			NA	NA	NA	NA			7.00	7.01	7.49	7.10
Redox Potential (mV)			NA	NA	NA	NA			-62.0	31.9	-195.6	108.9

NDA = No Data Available, laboratory reports not provided

PAL = Preventive Action Limit

ES = Enforcement Standards

<b>BOLD</b>	= Exceeds Enforcement Standard
<i>Italic</i>	= Exceeds Preventative Action Limit

NA - Not Analyzed

< - Concentration less than listed detection limit

j - Estimated Value between detection limit and quantification limit

\*TW1400 did not contain enough water to analyze for inorganics on 9/3/20

**TABLE 2p**  
**TW1500/MW1500 GROUNDWATER ANALYTICAL RESULTS**  
**FORMER V&L STRIPPING**  
**864 MATHER STREET**  
**GREEN BAY, WI 54303**

PARAMETER	ES	PAL	TW1500			MW1500				
			10/10/02	4/1/03		10/28/19	2/5/20	5/13/20	9/3/20	
<b>Detected VOC's (ug/L)</b>										
Benzene	5	0.5	<0.31	<0.31	Cap 18 Injection - 6/19-6/20/19	<2.5	<1.2	2.2j	<1.2	
Ethylbenzene	700	140	<0.5	<0.5		<2.2	<1.1	<1.6	<1.6	
Naphthalene	100	10	<0.8	<0.8		<11.8	<5.9	<5.9	<5.9	
Methyl-tert-Butyl Ether	60	12	<0.3	<0.3		<12.5	<6.2	<6.2	<6.2	
Toluene	800	160	<0.3	<0.3		<1.7	<0.86	<1.3	<1.3	
cis-1,2-Dichloroethene	70	7	16.6	9.23		<b>640</b>	<b>430</b>	<b>760</b>	<b>427</b>	
trans-1,2-Dichloroethene	100	20	2.92	<0.2		<b>164</b>	<b>129</b>	<b>297</b>	<b>168</b>	
Vinyl Chloride	0.2	0.02	<0.2	<0.2		<1.7	<0.87	<b>2.0j</b>	<b>7.0</b>	
Tetrachloroethene	5	0.5	0.339j	0.351j		<3.3	<b>25.0</b>	<1.6	<1.6	
Trichloroethene	5	0.5	0.664j	<0.36		<2.6	<b>18.3</b>	<1.3	<1.3	
Total Trimethylbenzenes	480	96	<0.71	<0.71		<17.1	<8.6	<8.6	<8.6	
Total Xylenes	2,000	400	<0.92	<0.92		<7.3	<4.6	<3.6	<3.6	
<b>Geochemical Indicator Parameters</b>										
Ferrous Iron (mg/L)			NA	NA		<0.28	<0.021	<0.021	<0.021	
Nitrate-Nitrogen (mg/L)			NA	NA		0.67	<0.044	<0.044	<0.044	
Chloride (mg/L)			NA	NA		127	145	111	130	
Sulfate (mg/L)			NA	NA		NA	NA	41.2	10.7	
Manganese (mg/L)			NA	NA		0.0586	0.525	0.510	0.599	
Dissolved Manganese (mg/L)			NA	NA		NA	NA	NA	NA	
Total Alkalinity (AaCO <sub>3</sub> )			NA	NA		450	NA	NA	NA	
Dissolved Nitrate/Nitrite (mg/L)			NA	NA		NA	NA	NA	NA	
Dissolved Sulfate (mg/L)			NA	NA		NA	NA	NA	NA	
Total Organic Carbon (mg/L)			NA	NA		13.6	20.1	15.3	15.3	
Dissolved Ethane (ug/L)			NA	NA		<1.2	<1.2	<1.2	<1.2	
Dissolved Ethene (ug/L)			NA	NA		<1.2	<1.2	<1.2	1.4j	
Dissolved Methane (ug/L)			NA	NA		137	642	4,280	6,730	
<b>Field Parameters</b>										
Temperature (°F)			NA	NA		58.7	46.0	49.5	64.1	
Conductivity (ms/cm)			NA	NA		1,099	1,207	1,297	1,312	
Dissolved Oxygen (mg/L)			NA	NA		7.48	0.18	0.86	0.34	
pH			NA	NA		7.05	7.14	7.11	7.03	
Redox Potential (mV)			NA	NA		36.4	31.2	-8.5	-130.0	

NDA = No Data Available, laboratory reports not provided

PAL = Preventive Action Limit

ES = Enforcement Standards

<b>BOLD</b>	= Exceeds Enforcement Standard
<i>Italic</i>	= Exceeds Preventative Action Limit

NA - Not Analyzed

< - Concentration less than listed detection limit

j - Estimated Value between detection limit and quantification limit

**TABLE 2q**  
**TW3100 GROUNDWATER ANALYTICAL RESULTS**  
**FORMER V&L STRIPPING**  
**864 MATHER STREET**  
**GREEN BAY, WI 54303**

	<i>TW3100</i>		
<b>PARAMETER</b>	<b>ES</b>	<b>PAL</b>	<b>4/1/03</b>
<b>Detected VOC's (ug/L)</b>			
Benzene	5	0.5	<0.31
Ethylbenzene	700	140	<0.5
Naphthalene	100	10	<0.8
Methyl-tert-Butyl Ether	60	12	<0.3
Toluene	800	160	<0.3
cis-1,2-Dichloroethene	70	7	<0.23
trans-1,2-Dichloroethene	100	20	<0.39
Vinyl Chloride	0.2	0.02	<0.2
Tetrachloroethene	5	0.5	<0.32
Trichloroethene	5	0.5	<0.36
Total Trimethylbenzenes	480	96	<0.71
Total Xylenes	2,000	400	<0.92
<b>Geochemical Indicator Parameters</b>			
Ferrous Iron (mg/L)			NA
Nitrate-Nitrogen (mg/L)			NA
Chloride (mg/L)			NA
Dissolved Manganese (mg/L)			NA
Total Alkalinity (AsCO <sub>3</sub> )			NA
Dissolved Nitrate/Nitrite (mg/L)			NA
Dissolved Sulfate (mg/L)			NA
Total Organic Carbon (mg/L)			NA
Dissolved Ethane (ug/L)			NA
Dissolved Ethene (ug/L)			NA
Dissolved Methane (ug/L)			NA
<b>Field Parameters</b>			
Temperature (°F)			NA
Conductivity (ms/cm)			NA
Dissolved Oxygen (mg/L)			NA
pH			NA
Redox Potential (mV)			NA

NDA = No Data Available, laboratory reports not provided

PAL = Preventive Action Limit

ES = Enforcement Standards

<b>BOLD</b>	= Exceeds Enforcement Standard
<i>Italic</i>	= Exceeds Preventative Action Limit

NA - Not Analyzed

< - Concentration less than listed detection limit

j - Estimated Value between detection limit and quantification limit

**TABLE 2r**  
**TW3500 GROUNDWATER ANALYTICAL RESULTS**  
**FORMER V&L STRIPPING**  
**864 MATHER STREET**  
**GREEN BAY, WI 54303**

	<i>TW3500</i>		
<b>PARAMETER</b>	<b>ES</b>	<b>PAL</b>	<b>6/19/03</b>
<b>Detected VOC's (ug/L)</b>			
Benzene	5	0.5	<0.31
Ethylbenzene	700	140	<0.5
Naphthalene	100	10	<0.8
Methyl-tert-Butyl Ether	60	12	<0.3
Toluene	800	160	<0.3
cis-1,2-Dichloroethene	70	7	<0.23
trans-1,2-Dichloroethene	100	20	<0.39
Vinyl Chloride	0.2	0.02	<0.2
Tetrachloroethene	5	0.5	0.431j
Trichloroethene	5	0.5	<0.36
Total Trimethylbenzenes	480	96	<0.71
Total Xylenes	2,000	400	<0.92
<b>Geochemical Indicator Parameters</b>			
Ferrous Iron (mg/L)			NA
Nitrate-Nitrogen (mg/L)			NA
Chloride (mg/L)			NA
Dissolved Manganese (mg/L)			NA
Total Alkalinity (AaCO <sub>3</sub> )			NA
Dissolved Nitrate/Nitrite (mg/L)			NA
Dissolved Sulfate (mg/L)			NA
Total Organic Carbon (mg/L)			NA
Dissolved Ethane (ug/L)			NA
Dissolved Ethene (ug/L)			NA
Dissolved Methane (ug/L)			NA
<b>Field Parameters</b>			
Temperature (°F)			NA
Conductivity (ms/cm)			NA
Dissolved Oxygen (mg/L)			NA
pH			NA
Redox Potential (mV)			NA

NDA = No Data Available, laboratory reports not provided

PAL = Preventive Action Limit

ES = Enforcement Standards

<b>BOLD</b>	= Exceeds Enforcement Standard
<i>Italic</i>	= Exceeds Preventative Action Limit

NA - Not Analyzed

< - Concentration less than listed detection limit

j - Estimated Value between detection limit and quantification limit

**TABLE 3  
MONITORING WELL DATA  
FORMER V&L STRIPPING  
864 MATHER STREET  
GREEN BAY, WI 54303**

	MW100	MW200	MW300	MW400	MW600	MW600r	MW800	MW1000	MW2000	MW2000r	MW2100	MW3200	PZ1700	TW900	TW1400	MW1500
Top of Casing Elevation	594.72	595.09	594.70	594.22	594.33	593.20	594.63	595.11	593.54	595.25	594.31	592.70	594.32	Not Surveyed	Not Surveyed	594.73

Depth to Water (feet)

8/16/07	8.20	Dry	8.28	7.75	NM	NI	NI	NM	7.36	NI	8.09	6.20	8.74	NM	NM	NI
4/10/08	6.39	6.69	6.67	6.46	NM	NI	NI	NM	6.23	NI	6.80	3.46	6.81	NM	NM	NI
5/12/09	7.05	7.37	7.12	6.87	NM	NI	NI	NM	6.51	NI	7.25	4.73	7.13	NM	NM	NI
6/8/10	7.56	7.92	7.57	7.19	NM	NI	NI	NM	6.64	NI	7.57	5.39	7.41	NM	NM	NI
9/28/10	7.01	7.43	7.14	6.81	7.42	NI	NI	8.09	6.46	NI	7.39	4.79	10.42	NM	NM	NI
10/30/18	7.87	Dry	7.82	Destroyed	Destroyed	NI	NI	8.10	Destroyed	NI	7.41	5.12	NM	NM	NM	NI
10/28/19	NM*	7.65	NM*			10.12	11.65	7.67		NI	6.96	4.81	NM	Dry	7.80	8.40
2/5/20	7.84	7.89	NM*			6.79	7.72	8.21		7.63	7.41	5.16	6.96	Dry	8.13	7.51
5/13/20	7.71	7.72	NM*			5.99	7.61	7.85		7.03	7.11	7.11	5.75	Dry	7.99	7.39
9/3/20	8.38	8.65	9.65*			7.55	8.10	8.38		7.75	7.91	6.05	7.13	Dry	8.86	8.04

Groundwater Elevation

8/16/07	586.52	Dry	586.42	586.47	NM	NI	NI	NM	586.18	NI	586.22	586.50	585.58	NM	NM	NI
4/10/08	588.33	588.40	588.03	587.76	NM	NI	NI	NM	587.31	NI	587.51	589.24	587.51	NM	NM	NI
5/12/09	587.67	587.72	587.58	587.35	NM	NI	NI	NM	587.03	NI	587.06	587.97	587.19	NM	NM	NI
6/8/10	587.16	587.17	587.13	587.03	NM	NI	NI	NM	586.90	NI	586.74	587.31	586.91	NM	NM	NI
9/28/10	587.71	587.66	587.56	587.41	586.91	NI	NI	587.02	587.08	NI	586.92	587.91	583.90	NM	NM	NI
10/30/18	586.85	Dry	586.88	Destroyed	Destroyed	NI	NI	587.01	Destroyed	NI	586.90	587.58	NM	NM	NM	NI
10/28/19	NM	587.44	NM*			583.08	582.98	587.44		NI	587.35	587.89	NM	Dry	-	586.33
2/5/20	586.88	587.20	NM*			586.41	586.91	586.90		587.62	586.90	587.54	587.36	Dry	-	587.22
5/13/20	587.01	587.37	NM*			587.21	587.02	587.26		588.22	587.20	585.59	588.57	Dry	-	587.34
9/3/20	586.34	586.44	585.05*			585.65	586.53	586.73		587.50	586.40	586.65	587.19	Dry	-	586.69

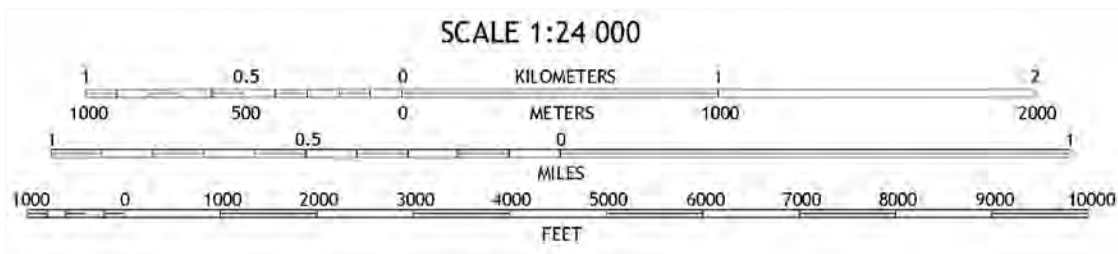
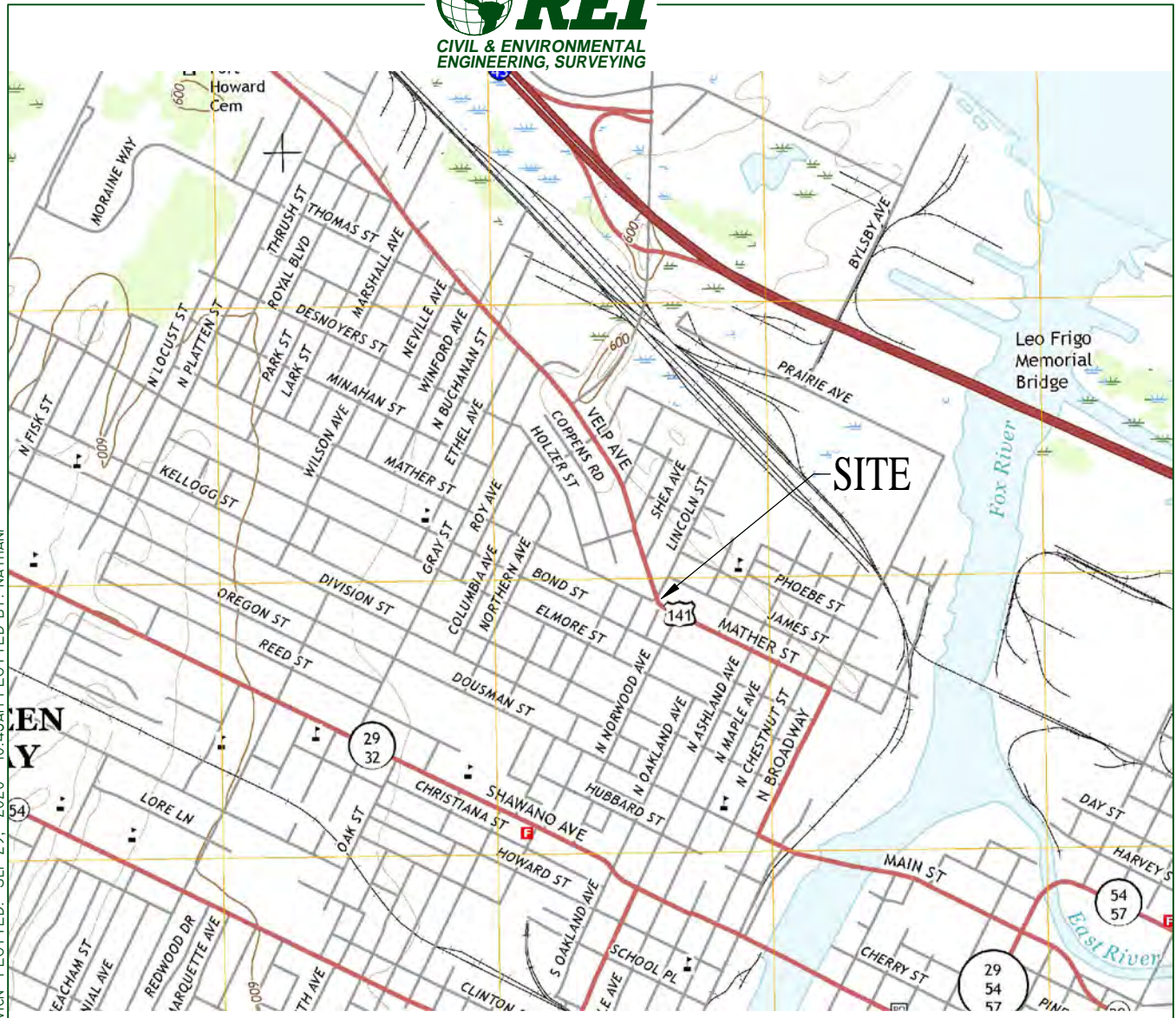
NM = Not Measured

NI = Not Installed

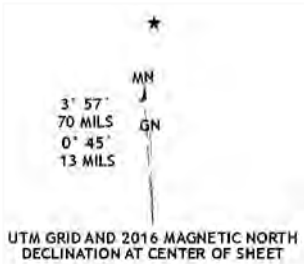
\* CAP 18 injection oil present in MW100 & MW300, Unable to obtain accurate DTW



DRAWING FILE: P:\8300-8599\8318 - V&L STRIPPING\DWG\8318-VICN.DWG LAYOUT: VICN PLOTTED: SEP 29, 2020 - 10:43AM PLOTTED BY: NATHANP



CONTOUR INTERVAL 10 FEET  
NORTH AMERICAN VERTICAL DATUM OF 1988



**GREEN BAY WEST QUADRANGLE**  
WISCONSIN-BROWN CO.  
7.5-MINUTE SERIES



REI ENGINEERING, INC.

V&L STRIPPING (FORMER)  
864 MATHER STREET  
GREEN BAY, WISCONSIN 54303



FIGURE 1 : VICINITY MAP

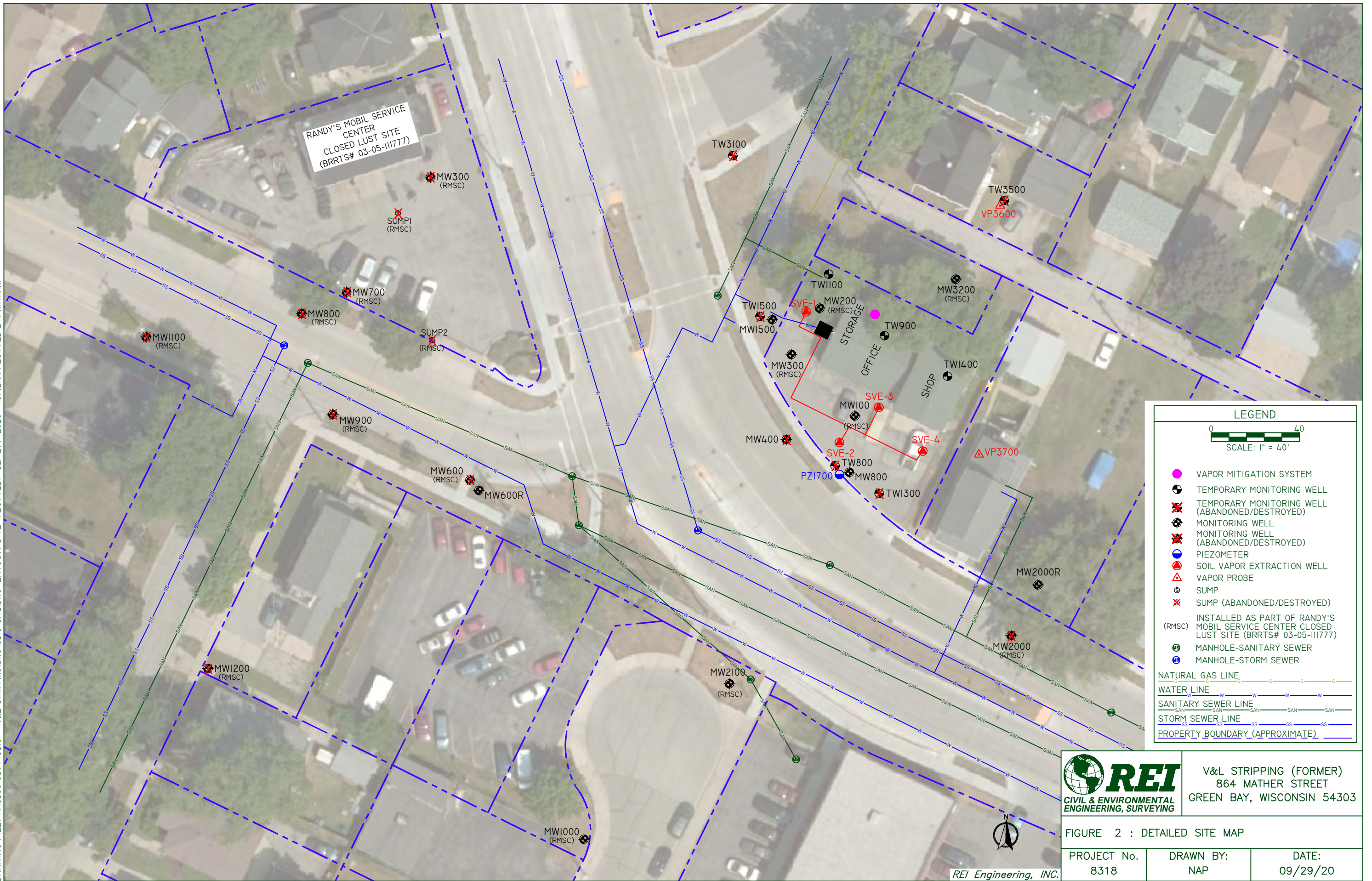
PROJECT NO.  
8318

DRAWN BY:  
MCM

DATE:  
9/10/2018



DRAWING FILE: P:\8300-8399\8318 - V&L STRIPPING\DWG\8318-SITE.DWG LAYOUT: SITE PLOTTED: SEP 29, 2020 - 10:42AM PLOTTED BY: NATHANP



**LEGEND**

0 40  
SCALE: 1" = 40'

- VAPOR MITIGATION SYSTEM
- ⊙ TEMPORARY MONITORING WELL
- ⊗ TEMPORARY MONITORING WELL (ABANDONED/DESTROYED)
- ⊙ MONITORING WELL
- ⊗ MONITORING WELL (ABANDONED/DESTROYED)
- PIEZOMETER
- SOIL VAPOR EXTRACTION WELL
- ▲ VAPOR PROBE
- ⊙ SUMP
- ⊗ SUMP (ABANDONED/DESTROYED)
- (RMSC) INSTALLED AS PART OF RANDY'S MOBIL SERVICE CENTER CLOSED LUST SITE (BRRTS# 03-05-111777)
- ⊙ MANHOLE-SANITARY SEWER
- ⊙ MANHOLE-STORM SEWER

NATURAL GAS LINE —

WATER LINE —

SANITARY SEWER LINE —

STORM SEWER LINE —

PROPERTY BOUNDARY (APPROXIMATE) - - -

**REI**  
**CIVIL & ENVIRONMENTAL ENGINEERING, SURVEYING**

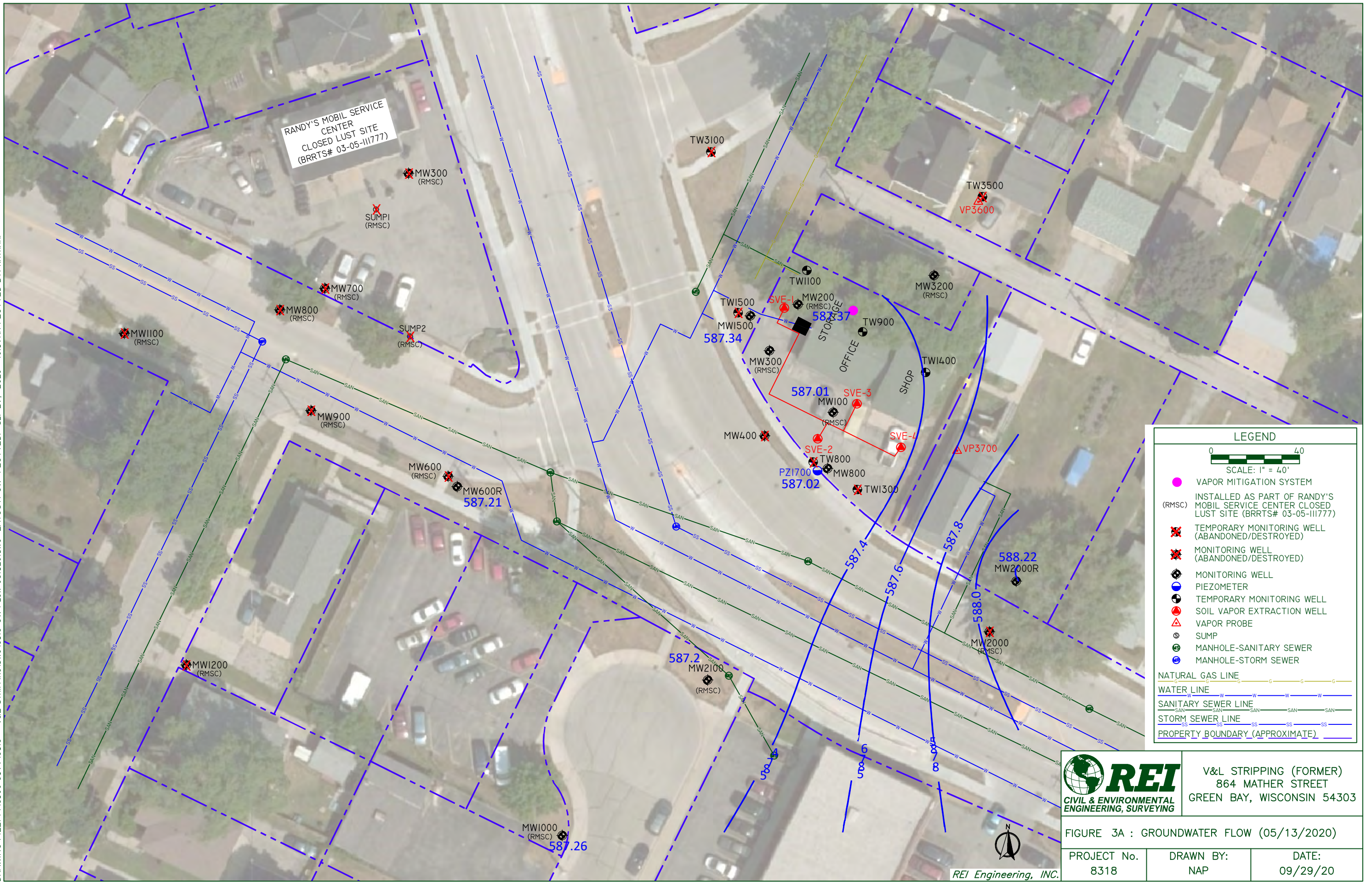
V&L STRIPPING (FORMER)  
 864 MATHER STREET  
 GREEN BAY, WISCONSIN 54303

FIGURE 2 : DETAILED SITE MAP

PROJECT No. 8318	DRAWN BY: NAP	DATE: 09/29/20
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REI Engineering, INC.

DRAWING FILE: P:\83500-8399\8318 - V&L STRIPPING\DWG\8318-GW FLOW-051320.DWG LAYOUT: GW PLOTTED: SEP 29, 2020 - 10:39AM PLOTTED BY: NATHANP



**LEGEND**

0 40  
SCALE: 1" = 40'

- VAPOR MITIGATION SYSTEM
- ⊗ (RMSC) INSTALLED AS PART OF RANDY'S MOBIL SERVICE CENTER CLOSED LUST SITE (BRRTS# 03-05-111777)
- ⊗ TEMPORARY MONITORING WELL (ABANDONED/DESTROYED)
- ⊗ MONITORING WELL (ABANDONED/DESTROYED)
- ⊗ MONITORING WELL
- ⊗ PIEZOMETER
- ⊗ TEMPORARY MONITORING WELL
- SOIL VAPOR EXTRACTION WELL
- △ VAPOR PROBE
- ⊙ SUMP
- ⊙ MANHOLE-SANITARY SEWER
- ⊙ MANHOLE-STORM SEWER

NATURAL GAS LINE —

WATER LINE —

SANITARY SEWER LINE —

STORM SEWER LINE —

PROPERTY BOUNDARY (APPROXIMATE) - - -

**REI**  
CIVIL & ENVIRONMENTAL  
ENGINEERING, SURVEYING

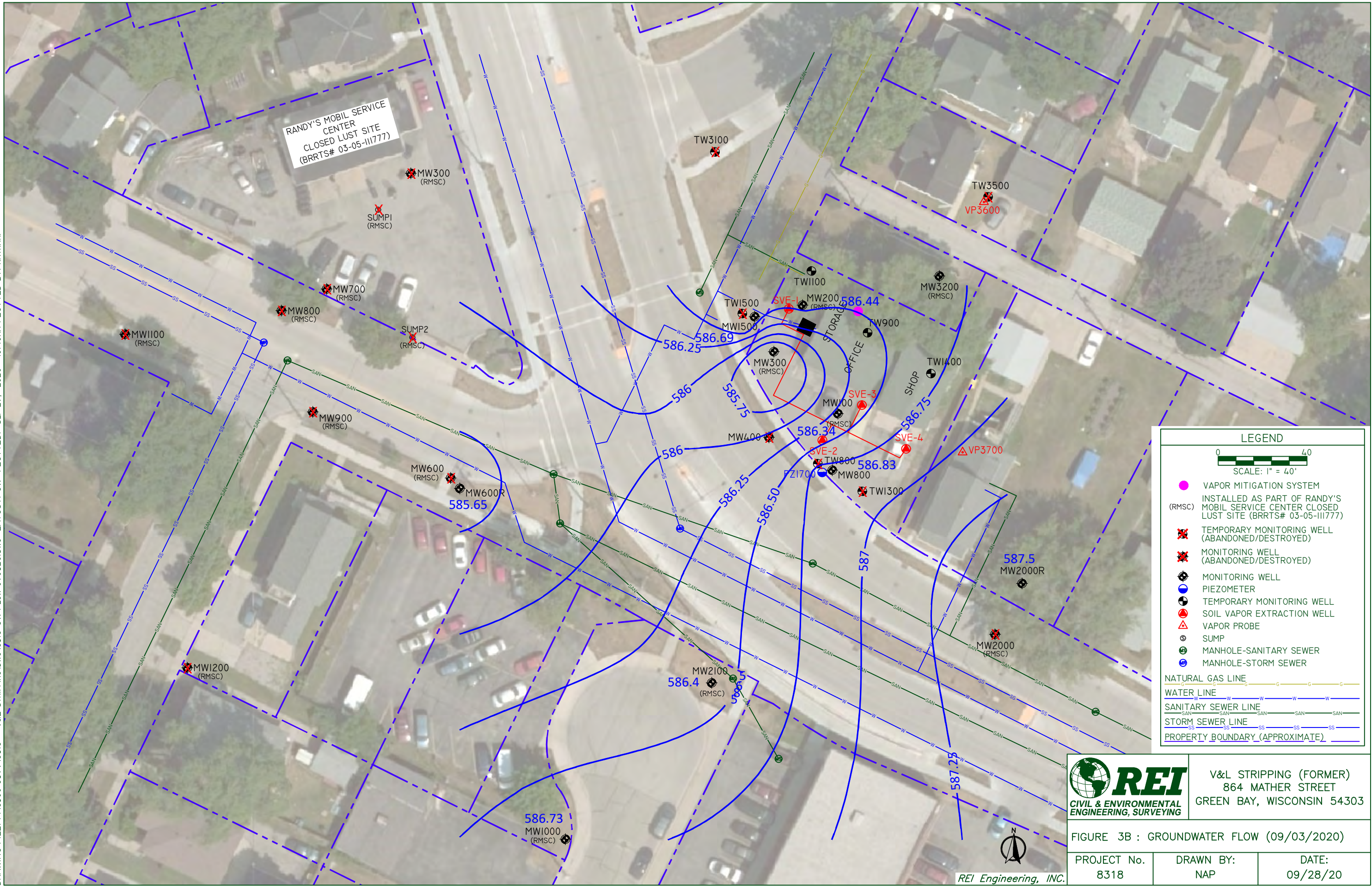
V&L STRIPPING (FORMER)  
864 MATHER STREET  
GREEN BAY, WISCONSIN 54303

FIGURE 3A : GROUNDWATER FLOW (05/13/2020)

PROJECT No. 8318	DRAWN BY: NAP	DATE: 09/29/20
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REI Engineering, INC.

DRAWING FILE: P:\83500-8399\8318 - V&L STRIPPING\DWG\8318-GW FLOW-090320.DWG LAYOUT: GW PLOTTED: SEP 29, 2020 - 10:40AM PLOTTED BY: NATHANP



RANDY'S MOBIL SERVICE CENTER  
CLOSED LUST SITE  
(BRRTS# 03-05-111777)

**LEGEND**

0 40  
SCALE: 1" = 40'

- VAPOR MITIGATION SYSTEM
- (RMSC) INSTALLED AS PART OF RANDY'S MOBIL SERVICE CENTER CLOSED LUST SITE (BRRTS# 03-05-111777)
- ✖ TEMPORARY MONITORING WELL (ABANDONED/DESTROYED)
- ✖ MONITORING WELL (ABANDONED/DESTROYED)
- MONITORING WELL
- PIEZOMETER
- TEMPORARY MONITORING WELL
- SOIL VAPOR EXTRACTION WELL
- △ VAPOR PROBE
- SUMP
- MANHOLE-SANITARY SEWER
- MANHOLE-STORM SEWER

NATURAL GAS LINE —

WATER LINE —

SANITARY SEWER LINE —

STORM SEWER LINE —

PROPERTY BOUNDARY (APPROXIMATE) - - -



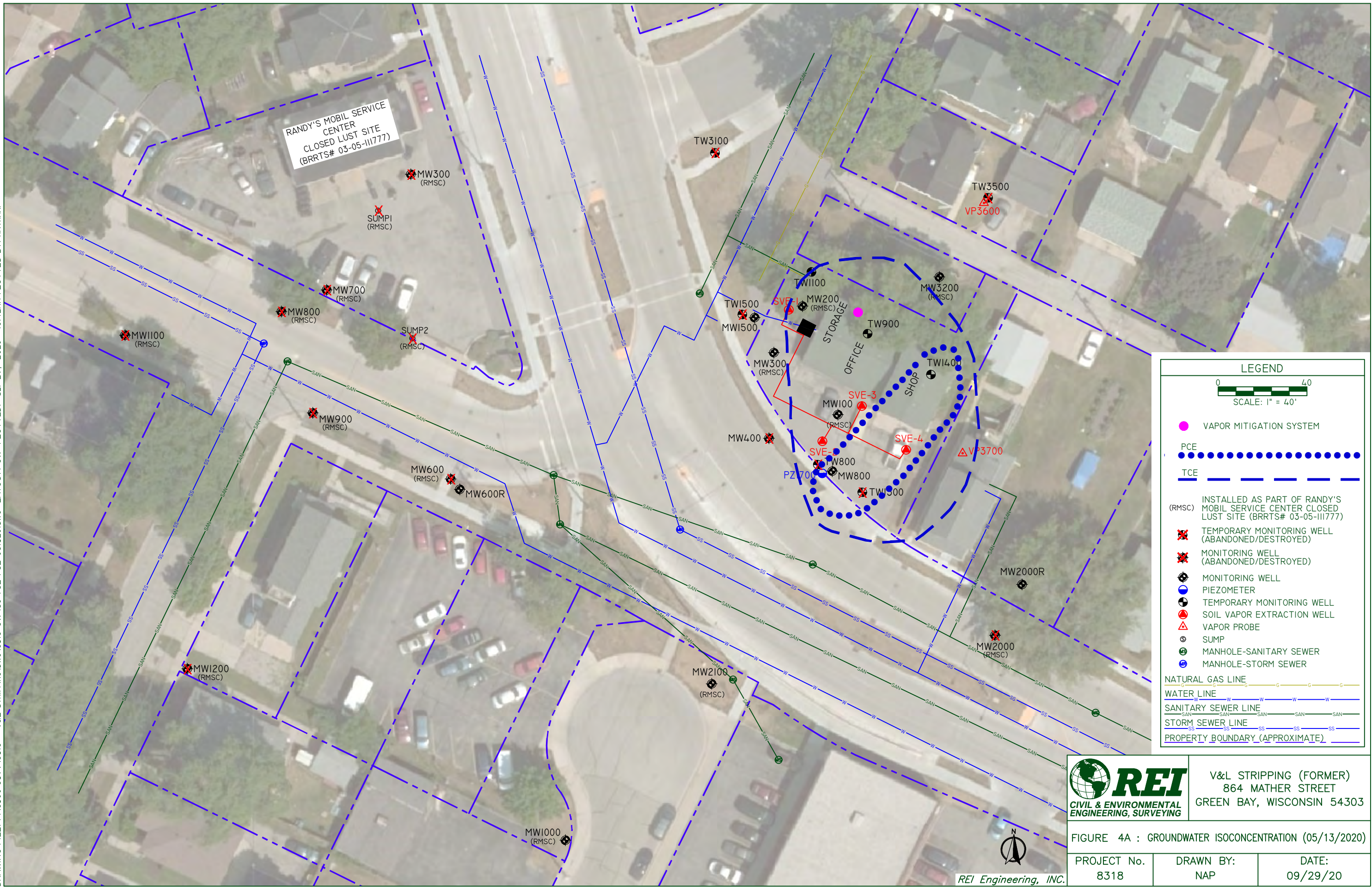
V&L STRIPPING (FORMER)  
864 MATHER STREET  
GREEN BAY, WISCONSIN 54303

FIGURE 3B : GROUNDWATER FLOW (09/03/2020)

PROJECT No. 8318	DRAWN BY: NAP	DATE: 09/28/20
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REI Engineering, INC.

DRAWING FILE: P:\83500-8399\8318 - V&L STRIPPING\DWG\8318-GW ISO TCE PCE-051320.DWG LAYOUT: GW PLOTTED: SEP 29, 2020 - 10:42AM PLOTTED BY: NATHANP



RANDY'S MOBIL SERVICE CENTER  
CLOSED LUST SITE  
(BRRTS# 03-05-111777)

**LEGEND**

0 40  
SCALE: 1" = 40'

- VAPOR MITIGATION SYSTEM
- ⋯ PCE
- TCE

(RMSC) INSTALLED AS PART OF RANDY'S MOBIL SERVICE CENTER CLOSED LUST SITE (BRRTS# 03-05-111777)

- ✖ TEMPORARY MONITORING WELL (ABANDONED/DESTROYED)
- ✖ MONITORING WELL (ABANDONED/DESTROYED)
- ⊕ MONITORING WELL
- ⊕ PIEZOMETER
- ⊕ TEMPORARY MONITORING WELL
- SOIL VAPOR EXTRACTION WELL
- △ VAPOR PROBE
- ⊙ SUMP
- ⊕ MANHOLE-SANITARY SEWER
- ⊕ MANHOLE-STORM SEWER

NATURAL GAS LINE ---

WATER LINE ---

SANITARY SEWER LINE ---

STORM SEWER LINE ---

PROPERTY BOUNDARY (APPROXIMATE) ---



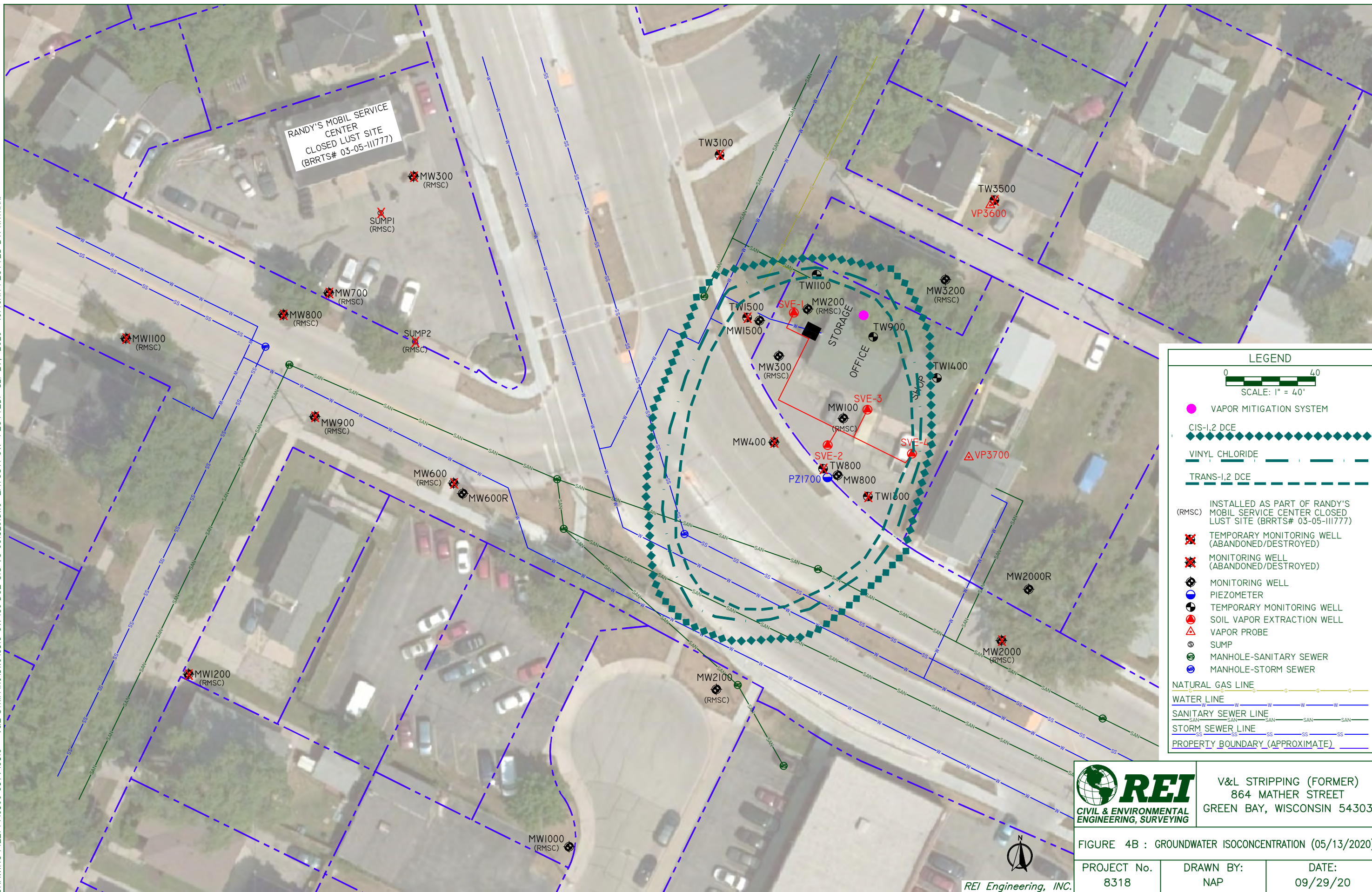
V&L STRIPPING (FORMER)  
864 MATHER STREET  
GREEN BAY, WISCONSIN 54303

FIGURE 4A : GROUNDWATER ISOCONCENTRATION (05/13/2020)

PROJECT No. 8318	DRAWN BY: NAP	DATE: 09/29/20
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REI Engineering, INC.

DRAWING FILE: P:\83500-8399\8318 - V&L STRIPPING\DWG\8318-GW ISO DCE CIS VC-051320.DWG LAYOUT: GW PLOTTED: SEP 29, 2020 - 10:40AM PLOTTED BY: NATHANP



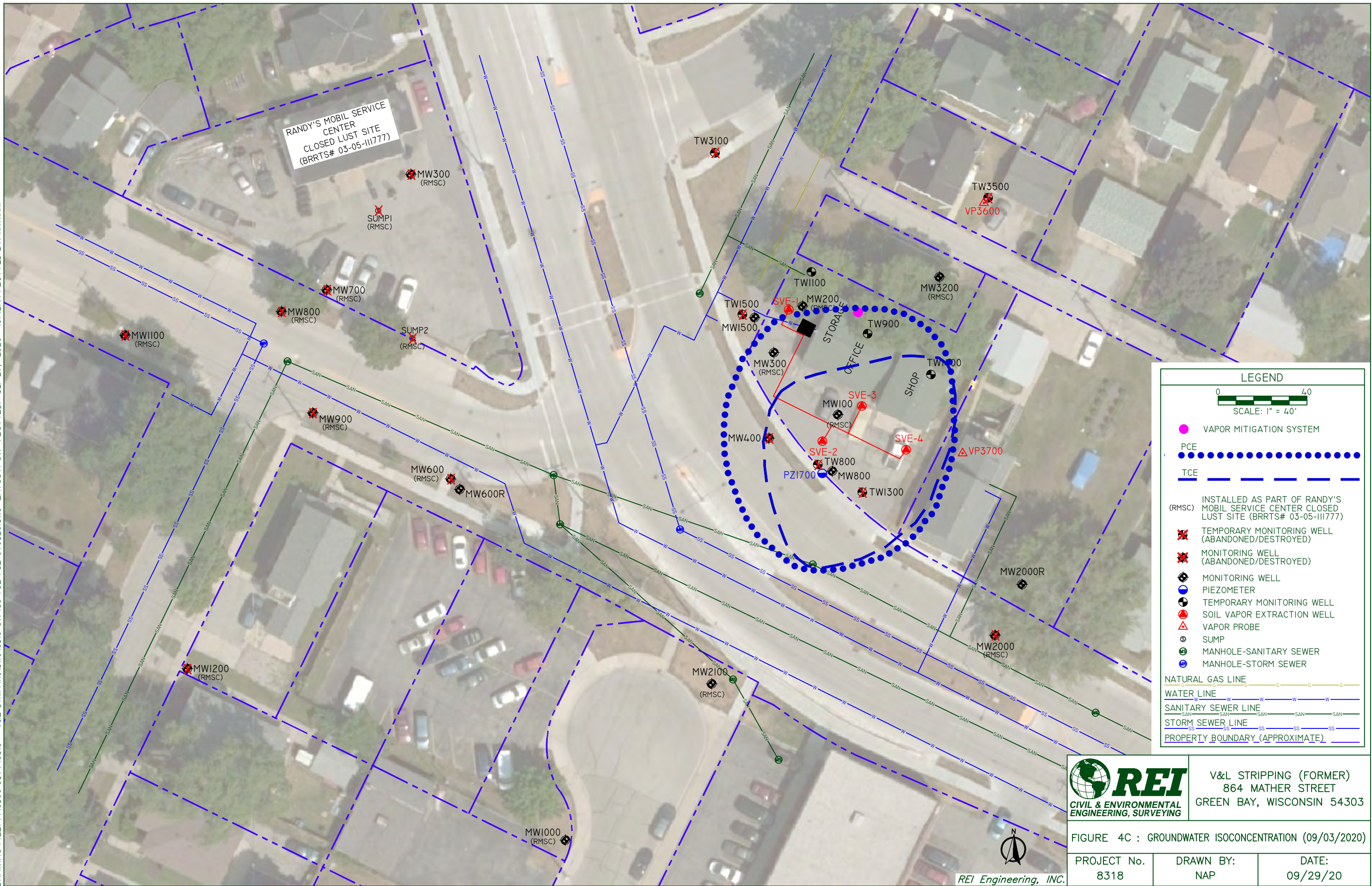
V&L STRIPPING (FORMER)  
864 MATHER STREET  
GREEN BAY, WISCONSIN 54303

FIGURE 4B : GROUNDWATER ISOCONCENTRATION (05/13/2020)

PROJECT No. 8318	DRAWN BY: NAP	DATE: 09/29/20
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REI Engineering, INC.

DRAWING FILE: P:\83500-8399\8318 - V&L STRIPPING\DWG\8318-GW ISO TCE PCE-090320.DWG LAYOUT: GW PLOTTED: SEP 29, 2020 - 10:42AM PLOTTED BY: NATHANP



RANDY'S MOBIL SERVICE CENTER  
CLOSED LUST SITE  
(BRRTS# 03-05-111777)

**LEGEND**

0 40  
SCALE: 1" = 40'

- VAPOR MITIGATION SYSTEM
- PCE
- - - - - TCE

(RMSC) INSTALLED AS PART OF RANDY'S MOBIL SERVICE CENTER CLOSED LUST SITE (BRRTS# 03-05-111777)

- ✖ TEMPORARY MONITORING WELL (ABANDONED/DESTROYED)
- ✖ MONITORING WELL (ABANDONED/DESTROYED)
- ⊕ MONITORING WELL
- ⊕ PIEZOMETER
- ⊕ TEMPORARY MONITORING WELL
- ⊕ SOIL VAPOR EXTRACTION WELL
- △ VAPOR PROBE
- ⊕ SUMP
- ⊕ MANHOLE-SANITARY SEWER
- ⊕ MANHOLE-STORM SEWER

NATURAL GAS LINE —

WATER LINE —

SANITARY SEWER LINE —

STORM SEWER LINE —

PROPERTY BOUNDARY (APPROXIMATE) - - - - -



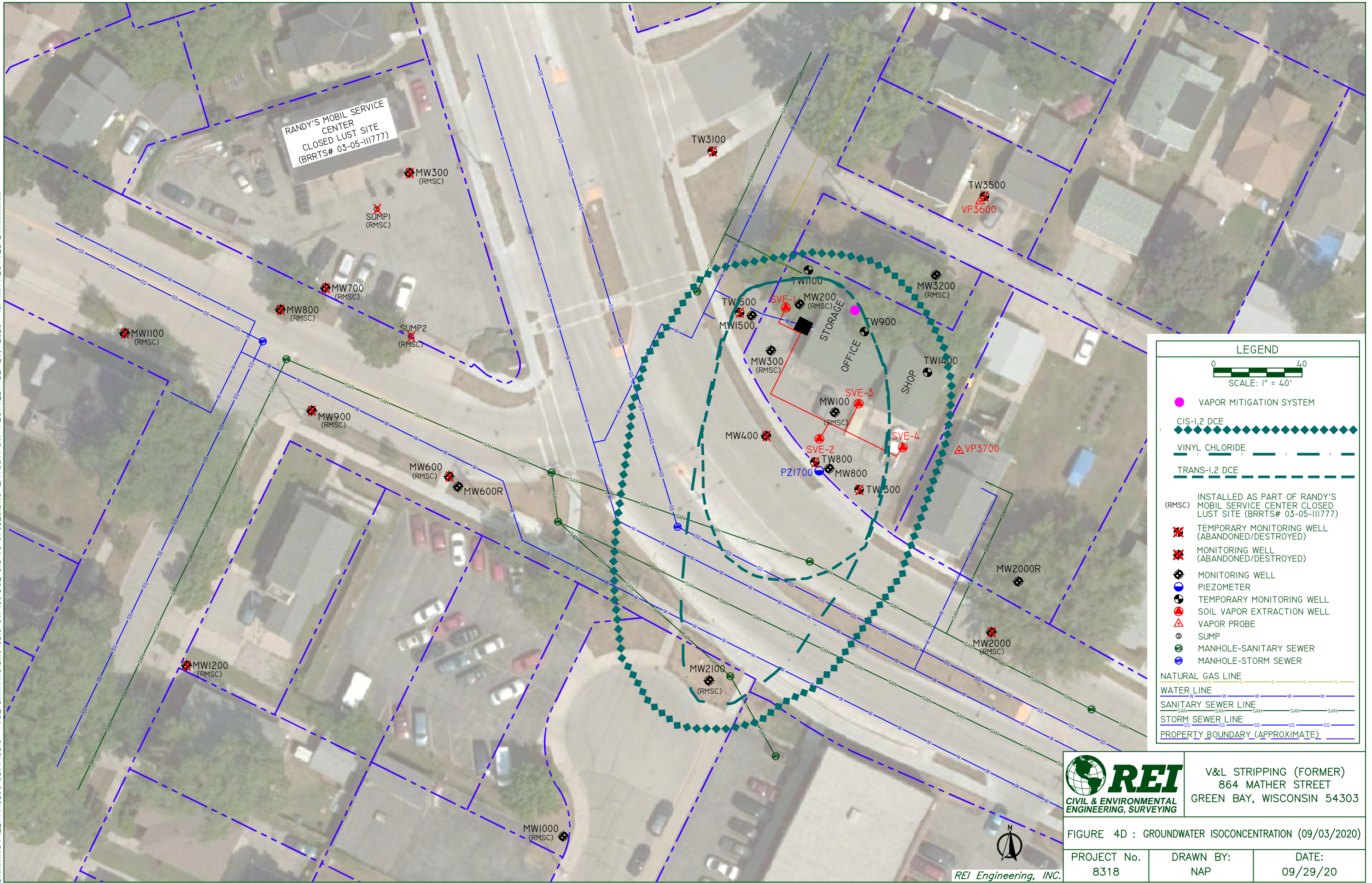
V&L STRIPPING (FORMER)  
864 MATHER STREET  
GREEN BAY, WISCONSIN 54303

FIGURE 4C : GROUNDWATER ISOCONCENTRATION (09/03/2020)

PROJECT No. 8318	DRAWN BY: NAP	DATE: 09/29/20
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REI Engineering, INC.

DRAWING FILE: P:\83500-8399\8318 - V&L STRIPPING\DWG\8318-GW ISO DCE CIS VC-090320.DWG LAYOUT: GW PLOTTED: SEP 29, 2020 - 10:41AM PLOTTED BY: NATHANP



RANDY'S MOBIL SERVICE CENTER  
CLOSED LUST SITE  
(BRRTS# 03-05-111777)

**LEGEND**

0 40  
SCALE: 1" = 40'

- VAPOR MITIGATION SYSTEM
- CIS-1,2 DCE
- VINYL CHLORIDE
- TRANS-1,2 DCE

(RMSC) INSTALLED AS PART OF RANDY'S MOBIL SERVICE CENTER CLOSED LUST SITE (BRRTS# 03-05-111777)

- ✘ TEMPORARY MONITORING WELL (ABANDONED/DESTROYED)
- ✘ MONITORING WELL (ABANDONED/DESTROYED)
- MONITORING WELL
- PIEZOMETER
- TEMPORARY MONITORING WELL
- SOIL VAPOR EXTRACTION WELL
- ▲ VAPOR PROBE
- SUMP
- MANHOLE-SANITARY SEWER
- MANHOLE-STORM SEWER

- NATURAL GAS LINE
- WATER LINE
- SANITARY SEWER LINE
- STORM SEWER LINE
- PROPERTY BOUNDARY (APPROXIMATE)



V&L STRIPPING (FORMER)  
864 MATHER STREET  
GREEN BAY, WISCONSIN 54303

FIGURE 4D : GROUNDWATER ISOCONCENTRATION (09/03/2020)

PROJECT No. 8318	DRAWN BY: NAP	DATE: 09/29/20
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REI Engineering, INC.

Figure 5a - Contaminant Concentration vs. Groundwater Elevation and Time at MW100

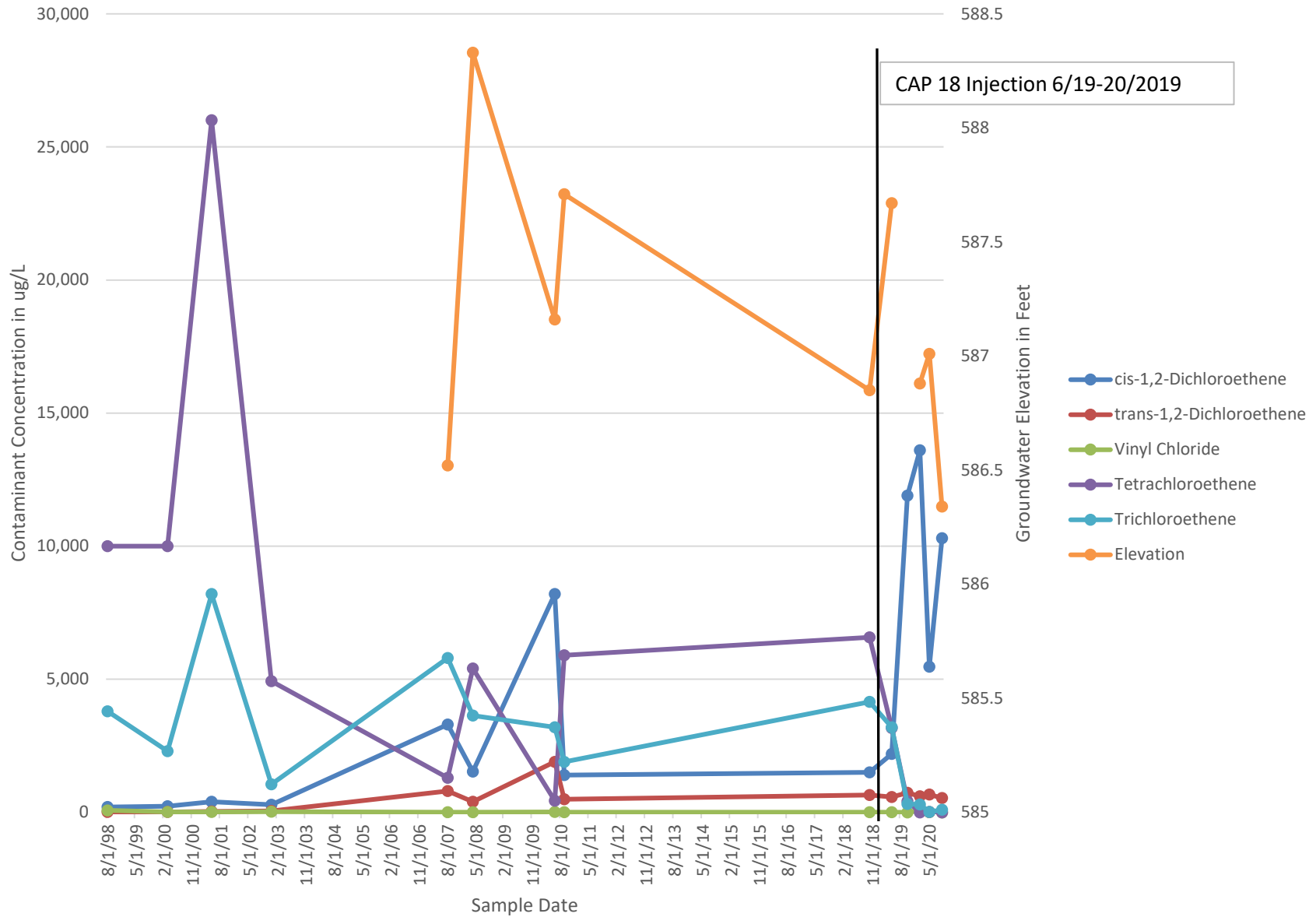




Figure 5b - Contaminant Concentration vs. Groundwaer Elevation and Time at MW200

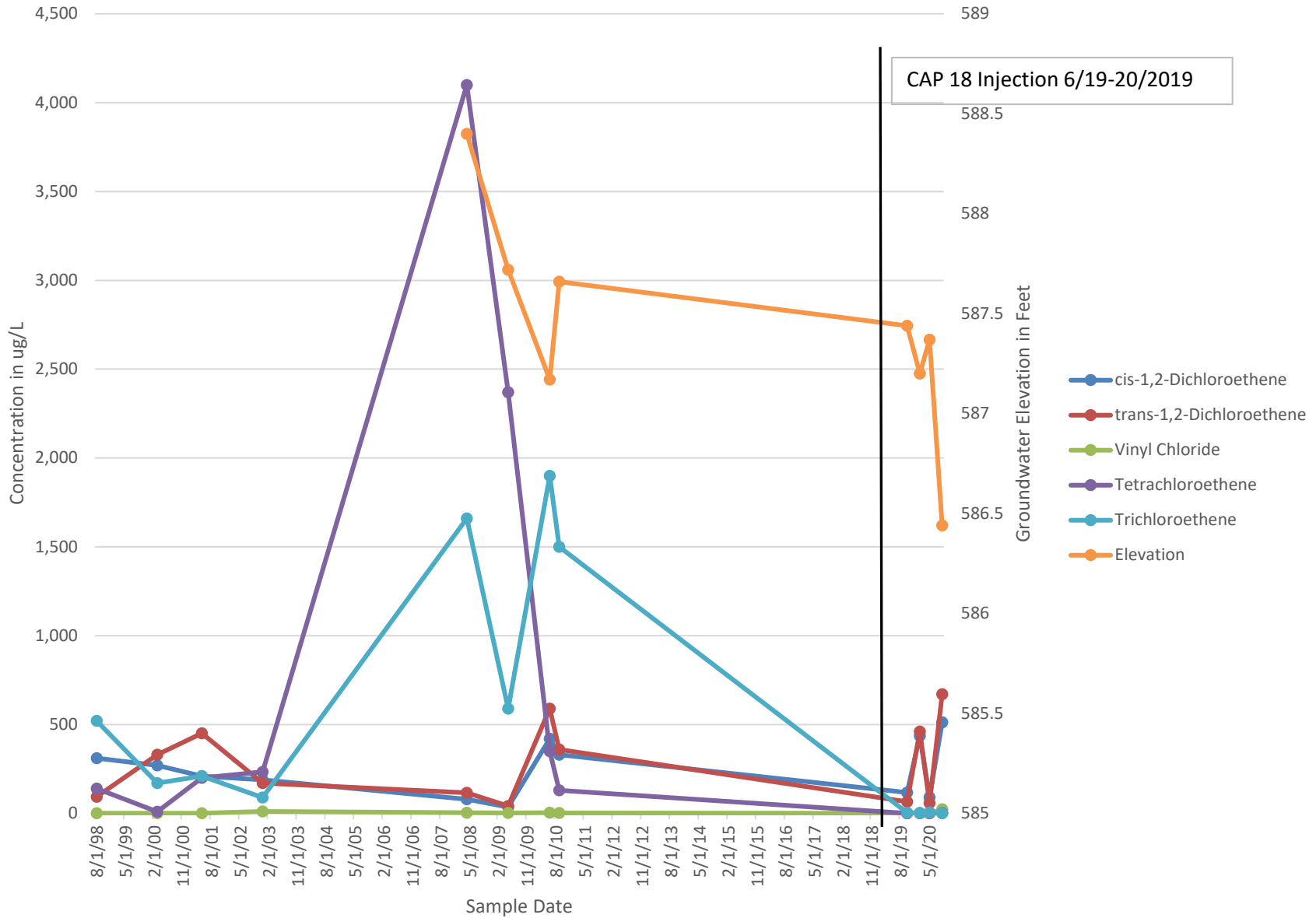


Figure 5c - Contaminant Concentration vs. Groundwater Elevation and Time at MW300

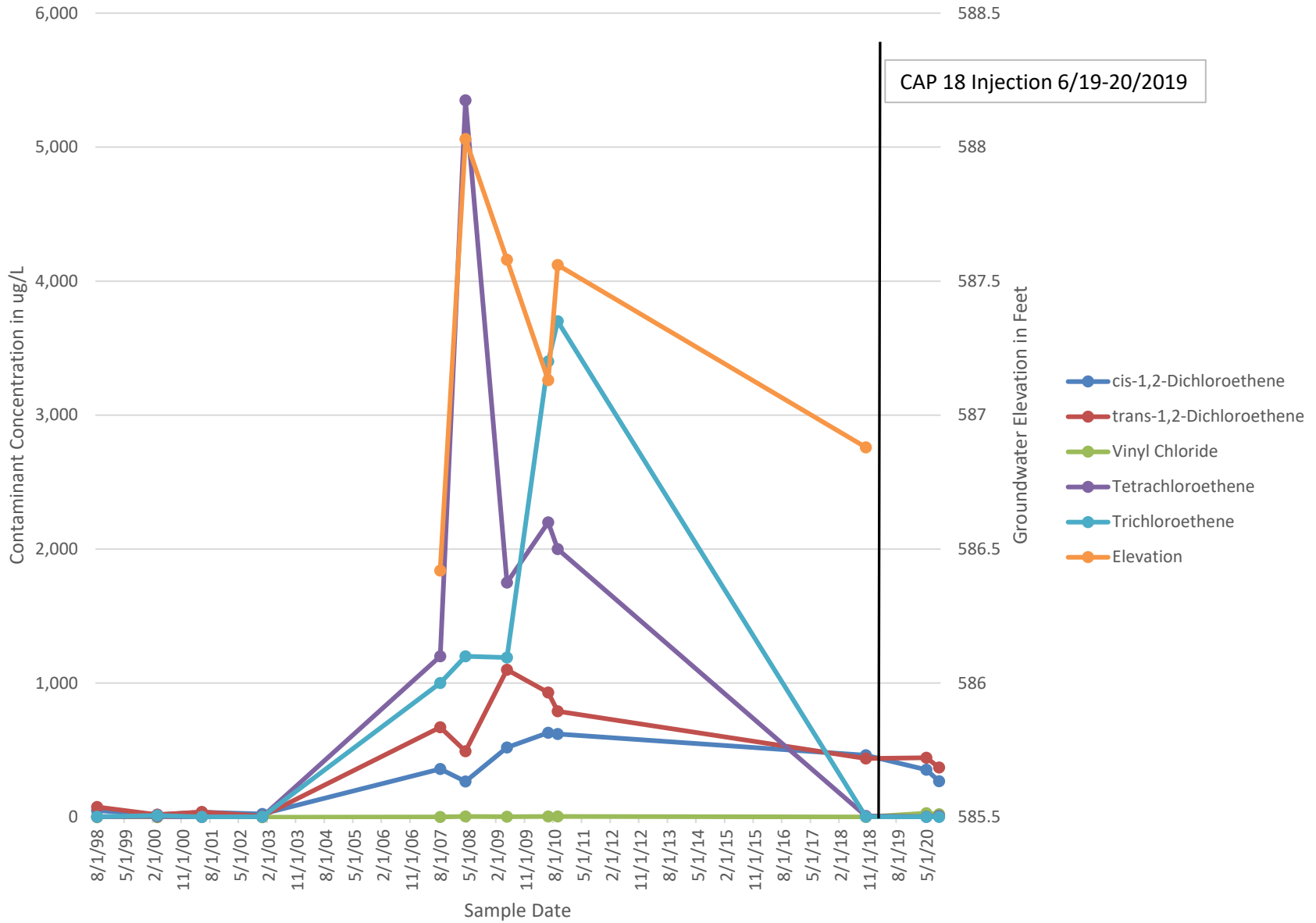


Figure 5d - Contaminant Concentration vs. Groundwater Elevation and Time at MW2100

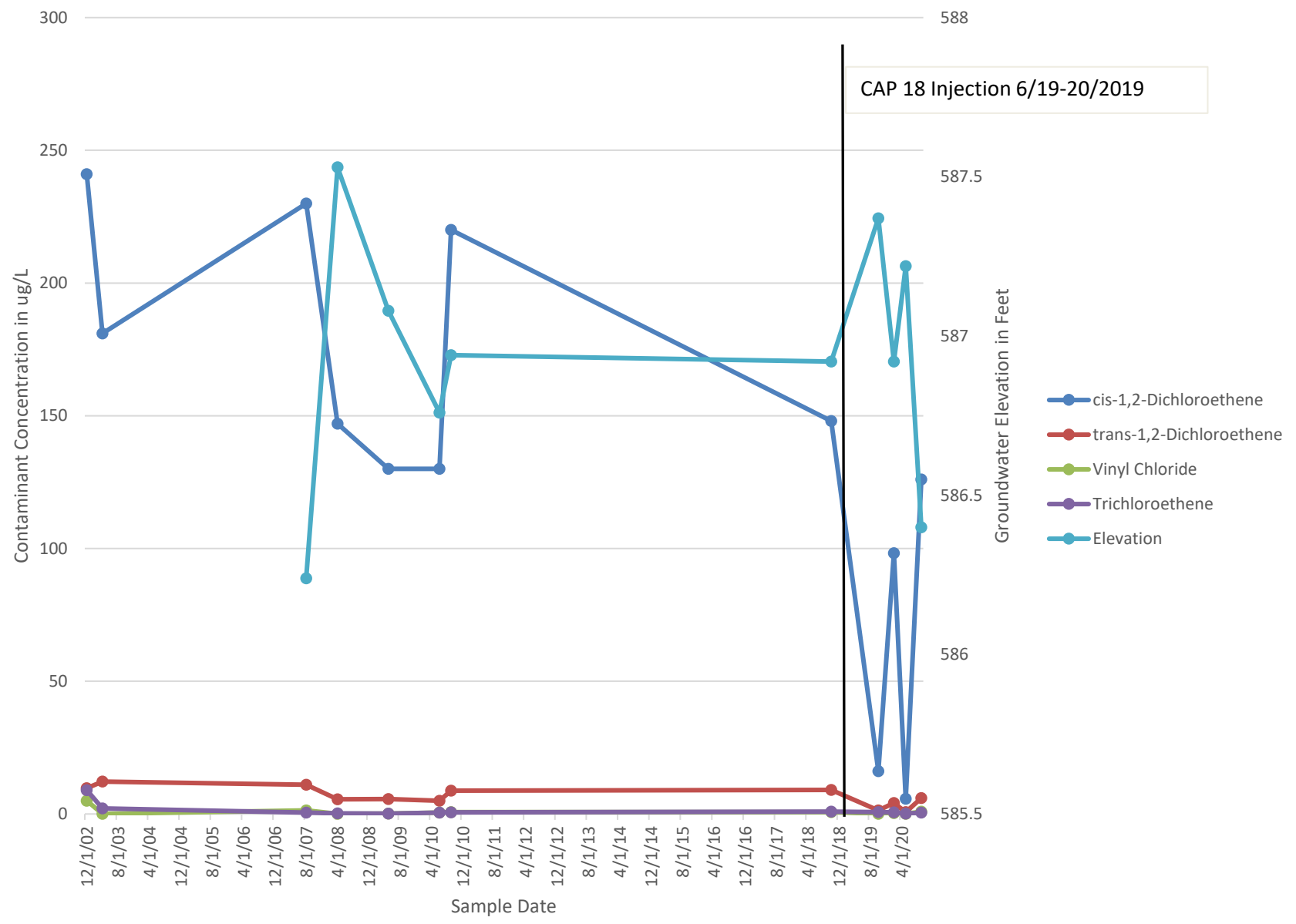


Figure 5e - Contaminant Concentration vs. Groundwater Elevation and Time at MW800

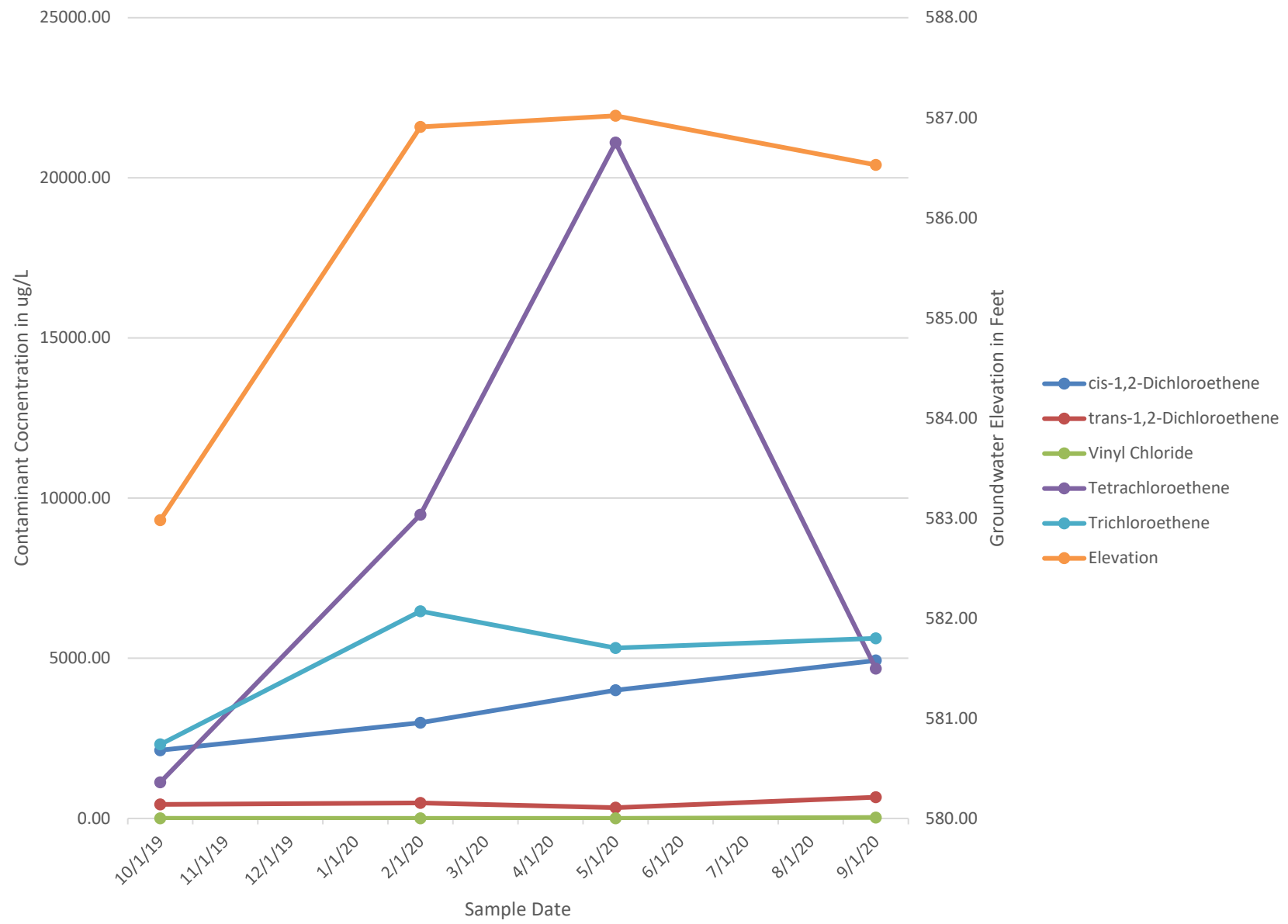


Figure 5f - Contaminant Concentration vs. Time at TW1400

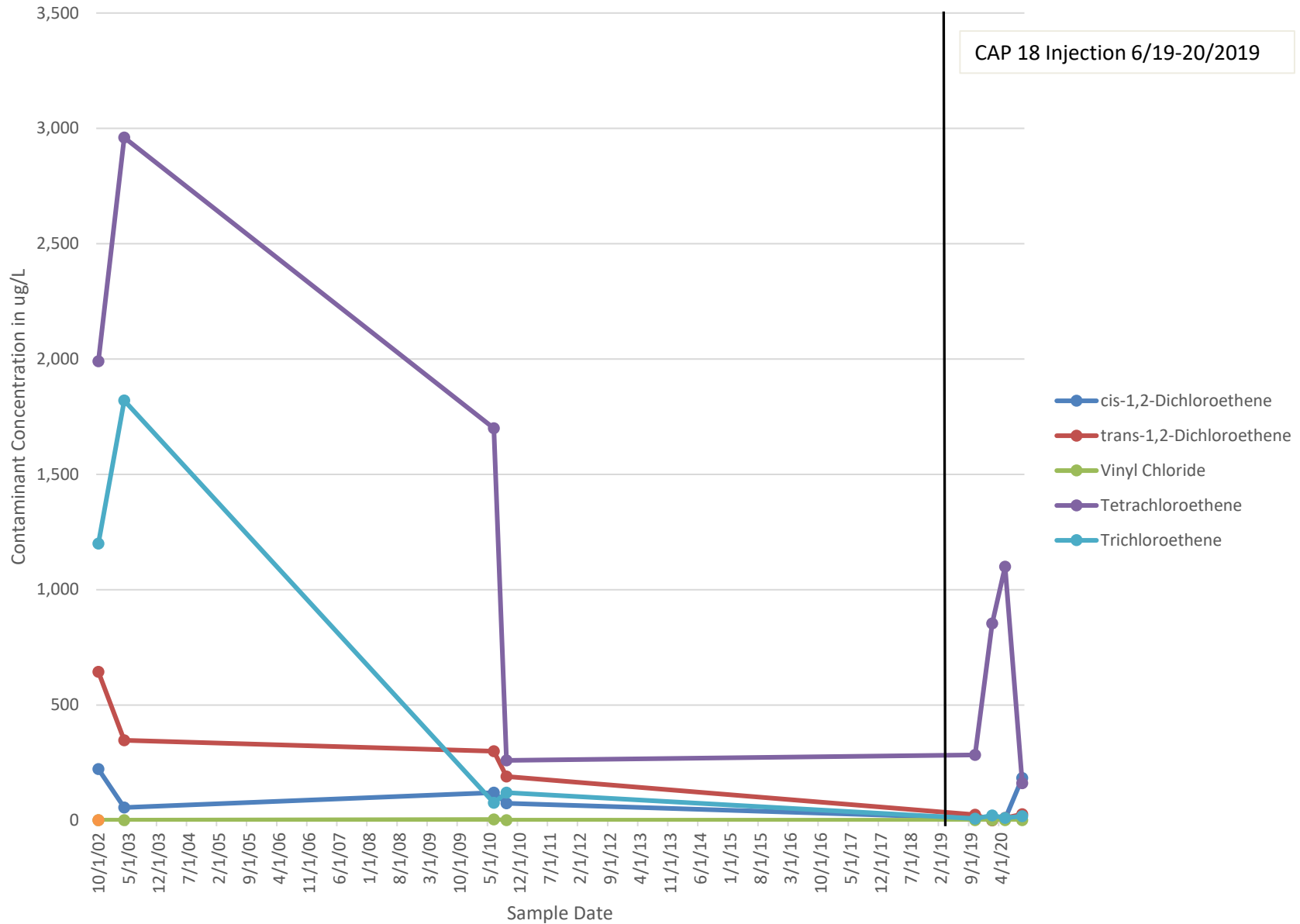
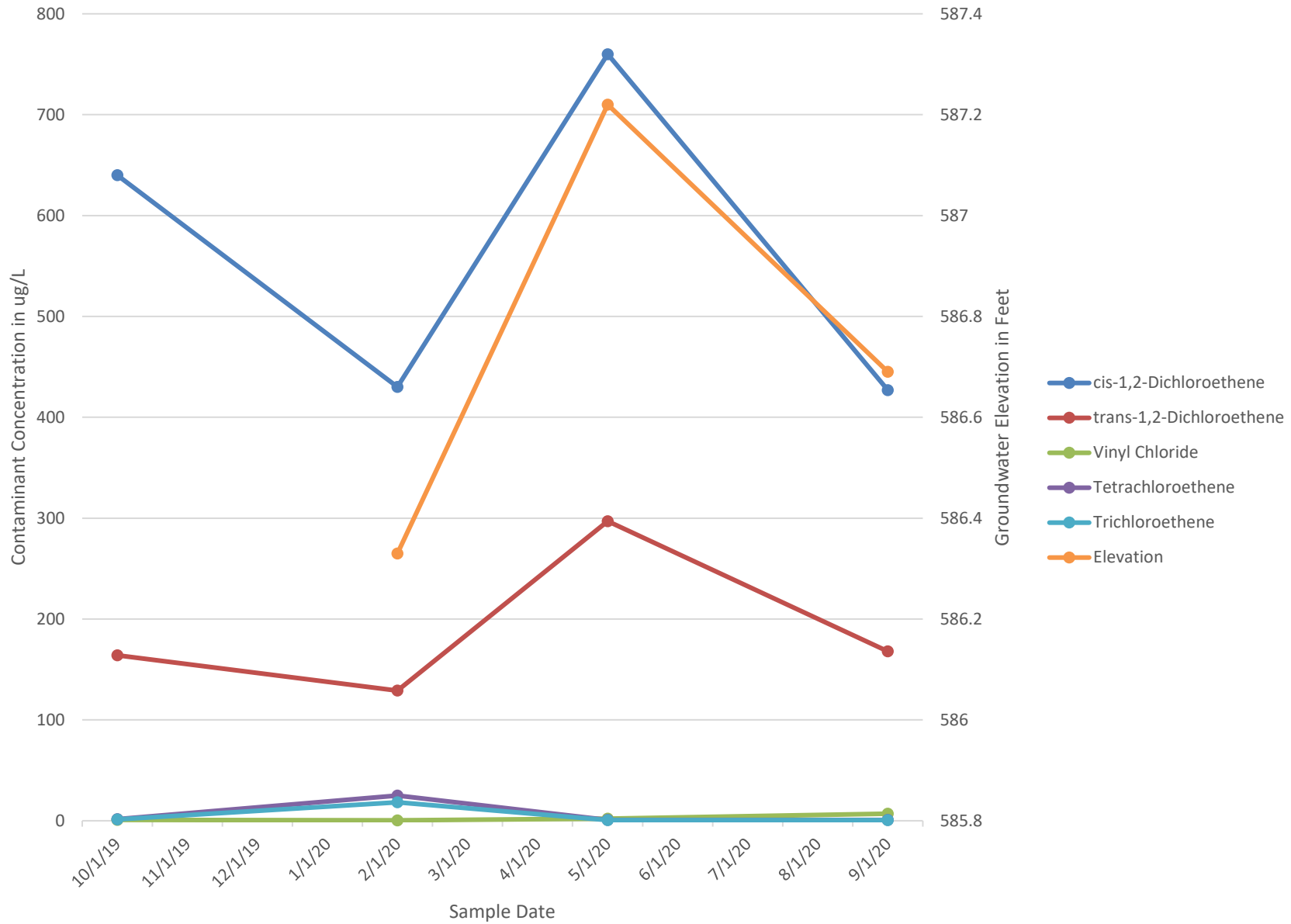
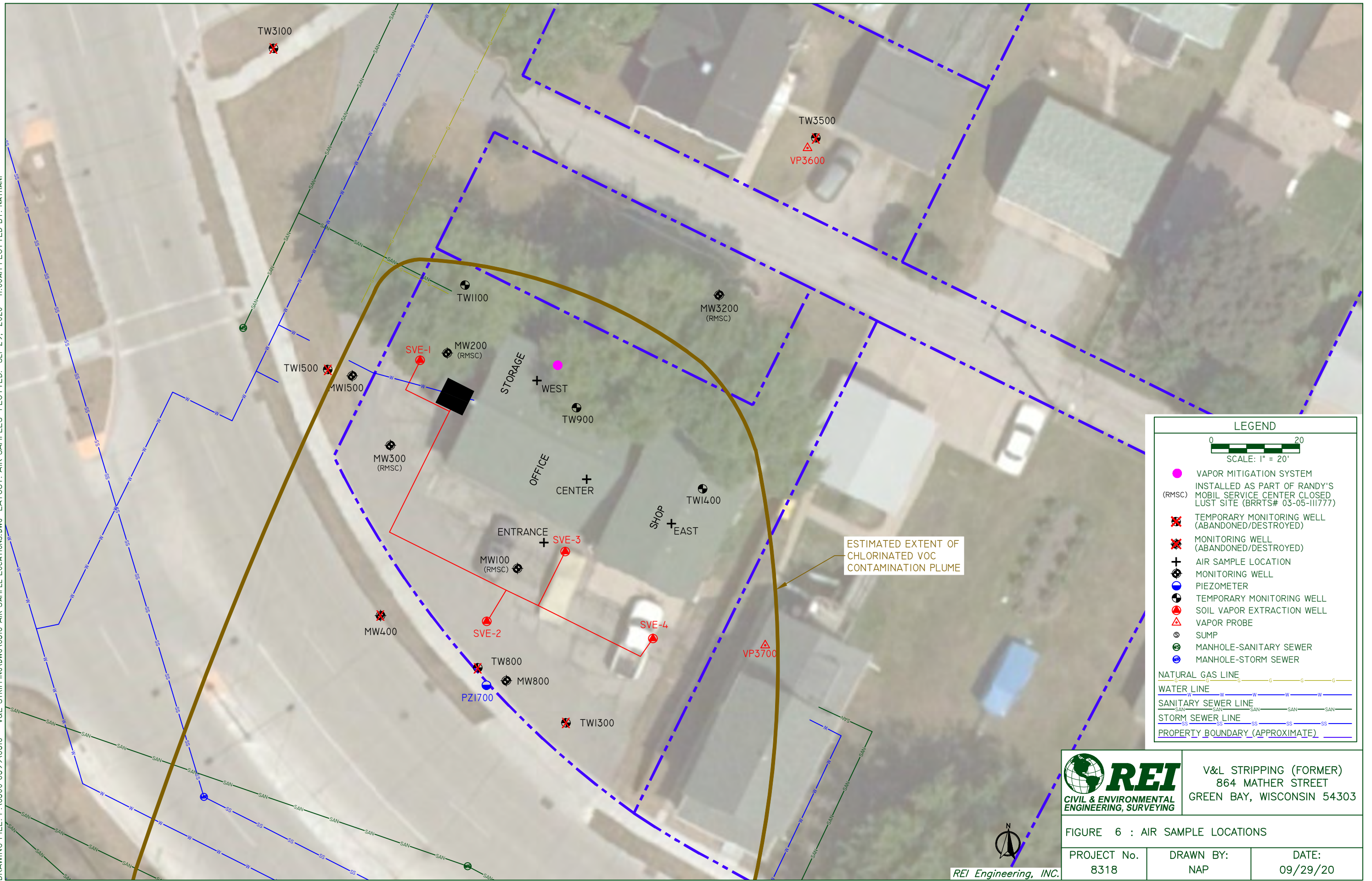


Figure 5g - Contaminant Concentration vs. Groundwater Elevation and Time at MW1500



DRAWING FILE: P:\8300-8399\8318 - V&L STRIPPING\DWG\8318-AIR SAMPLE LOCATIONS.DWG LAYOUT: AIR SAMPLES PLOTTED: SEP 29, 2020 - 11:00AM PLOTTED BY: NATHANP



**LEGEND**

0 20  
SCALE: 1" = 20'

- VAPOR MITIGATION SYSTEM  
(RMSC) INSTALLED AS PART OF RANDY'S MOBIL SERVICE CENTER CLOSED LUST SITE (BRRTS# 03-05-111777)
- ✖ TEMPORARY MONITORING WELL (ABANDONED/DESTROYED)
- ✖ MONITORING WELL (ABANDONED/DESTROYED)
- + AIR SAMPLE LOCATION
- ⊕ MONITORING WELL
- ⊕ PIEZOMETER
- ⊕ TEMPORARY MONITORING WELL
- SOIL VAPOR EXTRACTION WELL
- △ VAPOR PROBE
- ⊕ SUMP
- ⊕ MANHOLE-SANITARY SEWER
- ⊕ MANHOLE-STORM SEWER

NATURAL GAS LINE —

WATER LINE —

SANITARY SEWER LINE —

STORM SEWER LINE —

PROPERTY BOUNDARY (APPROXIMATE) ---

ESTIMATED EXTENT OF CHLORINATED VOC CONTAMINATION PLUME



V&L STRIPPING (FORMER)  
864 MATHER STREET  
GREEN BAY, WISCONSIN 54303

FIGURE 6 : AIR SAMPLE LOCATIONS

PROJECT No. 8318	DRAWN BY: NAP	DATE: 09/29/20
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REI Engineering, INC.

# **ATTACHMENT A**

## **PHOTOGRAPHS**







Vapor mitigation system in western storage area



Vapor mitigation system - exterior



Checking vacuum in TW900



Vacuum at 0.05 inches of water



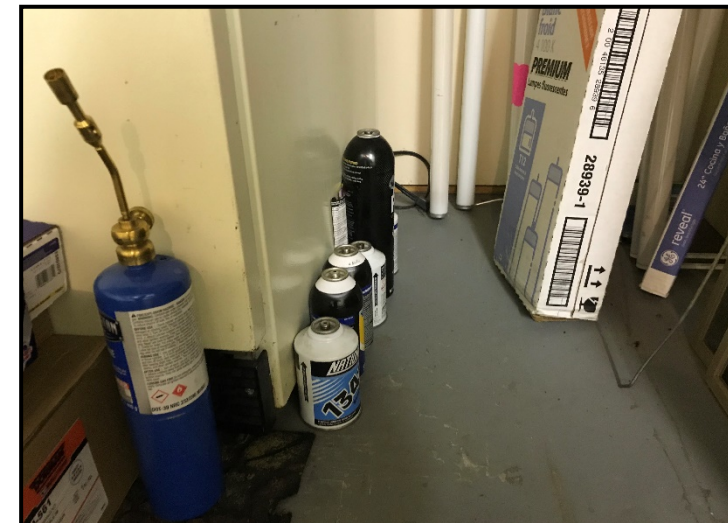
Sample "Center", office area



Field measurements in center office area



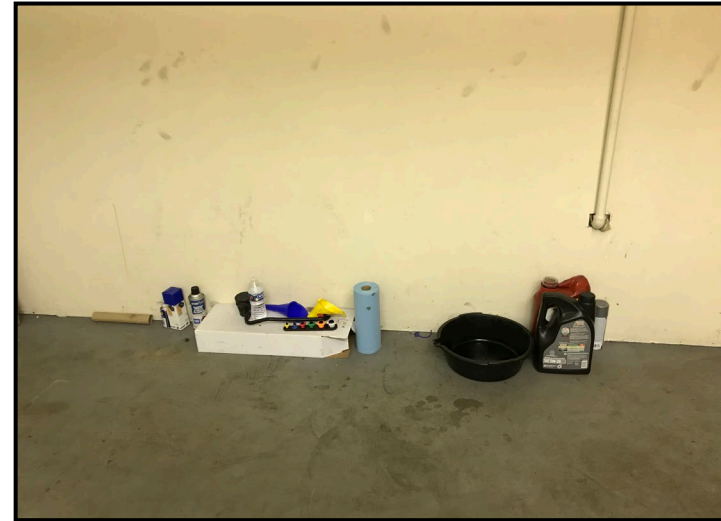
Gas can and lawnmower, western storage area



AC propellant, propane torch, western storage area



Field measurements, western storage area



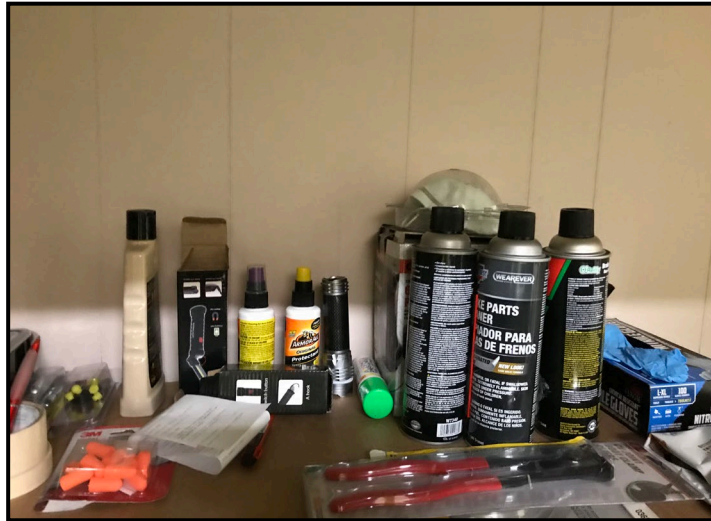
Waste oil, gas can in eastern shop area



Brake cleaner, WD-40 in eastern shop area



Gas can, eastern shop area



Brake cleaner, parts cleaner, armor all, eastern shop area



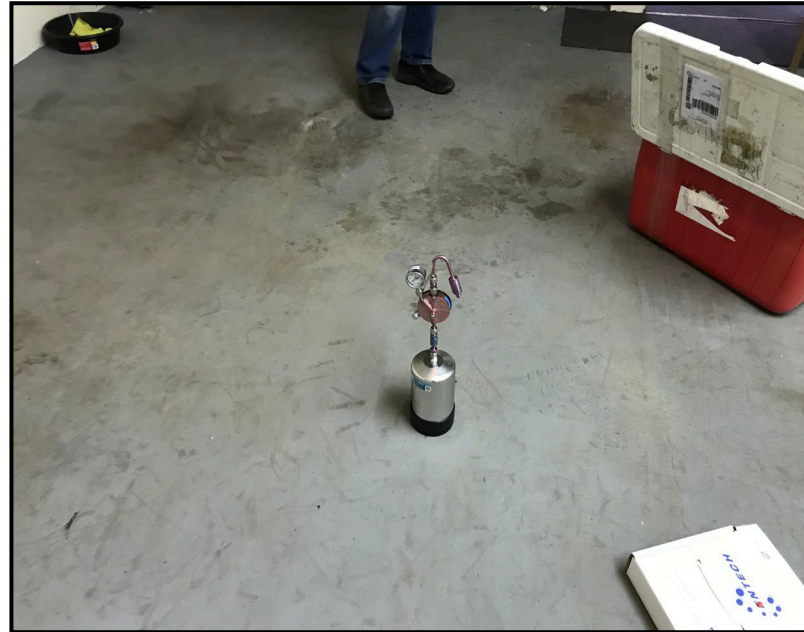
Touch up paint, adhesives, armor all wipes, eastern shop area



Field measurements, eastern shop area



No measureable vacuum at TW1400



Sample "East"

Former V&L Stripping, Update Report	Air Sampling Photographs
864 Mather Street, Green Bay, WI 54303	REI No. 8318

# **ATTACHMENT B**

## **DISPOSAL DOCUMENTATION**



Date: 8-8-07

**SPECIAL DISCHARGE FORM**  
GROUNDWATER CLEANUP PROJECTS

This form is intended to document the discharge of contaminated groundwater or process waters into the Wausau Wastewater Treatment Facility. Sewerage Utility billing for this discharge will be directly to the party listed below.

Source of Water: Monitoring Well purge water  
Up to 500 gallons, no free product, no strong or volatile odors

Party Responsible for Utility Charges:

Dave Larsen  
REI Engineering Inc.  
4080 N 20th Ave  
Wausau WI 54401

Approved By: [Signature]

Wausau Sewerage Utility

**TO BE COMPLETED BY WASTE HAULER**

Name of Waste Hauler:

REI Engineering, Inc.

Disposal date 6/08/2020

Approximate quantity of water discharged: 623 gallons

Date of Discharge: 6/8/20

Time of Discharge: \_\_\_\_\_

By submitting this form, the hauler will not be billed for this load. Special Discharge Request has been completed to obtain authorization for this discharge but please notify treatment plant operator if water contains oil, grease, solids, or sediments, has a strong odor or otherwise appears unsuitable for discharge into the treatment plant.

**THIS FORM TO BE SUBMITTED TO SEWERAGE UTILITY BY WASTE**

~~HAULER AT TIME OF DISCHARGE~~

V&L Stripping	8318		15 Gal	\$	6.30
Laglad cleaners	8469	2	73 Gal	\$	30.66
BULL IN WOODS	8009		5 Gal	\$	2.10
JENNERMANS	4341		20 Gal	\$	8.40
MERRILL AIRPORT	1A	571	280 Gal	\$	117.60
SCHLINGSOG	5357		20 Gal	\$	8.40
PEOPLES OIL	3720		80 Gal	\$	33.60
LANCASTER	5216		20 Gal	\$	8.40
VOLK 3 LAKES	5543		110 Gal	\$	46.20

Date: 8-8-07

**SPECIAL DISCHARGE FORM**  
GROUNDWATER CLEANUP PROJECTS

This form is intended to document the discharge of contaminated groundwater or process waters into the Wausau Wastewater Treatment Facility. Sewerage Utility billing for this discharge will be directly to the party listed below.

Source of Water: Monitoring Well purge water  
Up to 500 gallons, no Free product, no  
strong or volatile odors

Party Responsible for Utility Charges:

Dave Larsen  
REI Engineering Inc.  
4080 N 20th Ave  
Wausau WI 54401

Approved By: [Signature]

Wausau Sewerage Utility

**TO BE COMPLETED BY WASTE HAULER**

Name of Waste Hauler:

REI Engineering, Inc.

Disposal date 9/14/2020

Approximate quantity of water discharged: 370gallons

Date of Discharge: 9/14/20

Time of Discharge: \_\_\_\_\_

By submitting this form, the hauler will not be billed for this load. Special Discharge Request has been completed to obtain authorization for this discharge but please notify treatment plant operator if water contains oil, grease, solids, or sediments, has a strong odor or otherwise appears unsuitable for discharge into the treatment plant.

**THIS FORM TO BE SUBMITTED TO SEWERAGE UTILITY BY WASTE HAULER AT TIME OF DISCHARGE**

Madeline Island	1A	627	135 Gal	\$	56.70
ICO #116	7000A		20 Gal	\$	8.40
V&L STIPPING	8318		10 Gal	\$	4.20
TOMOHAWK BP	1A	623	55 Gal	\$	23.10
NPS SHOP			150 Gal	\$	63.00



**ATTACHMENT C**

**GROUNDWATER LABORATORY ANALYTICAL REPORTS**



May 29, 2020

Andy Delforge  
REI  
4080 North 20th Avenue  
Wausau, WI 54401

RE: Project: 8318 V&L STRIPPING  
Pace Project No.: 40207818

Dear Andy Delforge:

Enclosed are the analytical results for sample(s) received by the laboratory on May 15, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Brian Basten  
brian.basten@pacelabs.com  
(920)469-2436  
Project Manager

Enclosures



## REPORT OF LABORATORY ANALYSIS

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

## CERTIFICATIONS

Project: 8318 V&L STRIPPING

Pace Project No.: 40207818

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### **Pace Analytical Services Green Bay**

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

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## REPORT OF LABORATORY ANALYSIS

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

## SAMPLE SUMMARY

Project: 8318 V&L STRIPPING  
Pace Project No.: 40207818

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40207818001	TW 1400	Water	05/13/20 10:30	05/15/20 08:55
40207818002	PZ 1700	Water	05/13/20 07:00	05/15/20 08:55
40207818003	MW 1000	Water	05/13/20 07:30	05/15/20 08:55
40207818004	MW 3200	Water	05/13/20 08:00	05/15/20 08:55
40207818005	MW 2000R	Water	05/13/20 08:30	05/15/20 08:55
40207818006	MW 600R	Water	05/13/20 09:00	05/15/20 08:55
40207818007	MW 2100	Water	05/13/20 09:30	05/15/20 08:55
40207818008	MW 1500	Water	05/13/20 10:00	05/15/20 08:55
40207818009	MW 200	Water	05/13/20 11:00	05/15/20 08:55
40207818010	MW 300	Water	05/13/20 11:30	05/15/20 08:55
40207818011	MW 100	Water	05/13/20 12:00	05/15/20 08:55
40207818012	MW 800	Water	05/13/20 12:30	05/15/20 08:55

## REPORT OF LABORATORY ANALYSIS

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

### SAMPLE ANALYTE COUNT

Project: 8318 V&L STRIPPING  
Pace Project No.: 40207818

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40207818001	TW 1400	EPA 8015B Modified	ALD	3	PASI-G
		EPA 6010	TXW	1	PASI-G
		EPA 8260	HNW	64	PASI-G
		HACH 8146	DEY	1	PASI-G
		EPA 300.0	HMB	3	PASI-G
		SM 5310C	TJJ	1	PASI-G
40207818002	PZ 1700	EPA 8015B Modified	ALD	3	PASI-G
		EPA 6010	TXW	1	PASI-G
		EPA 8260	HNW	64	PASI-G
		HACH 8146	DEY	1	PASI-G
		EPA 300.0	HMB	3	PASI-G
		SM 5310C	TJJ	1	PASI-G
40207818003	MW 1000	EPA 8015B Modified	ALD	3	PASI-G
		EPA 6010	TXW	1	PASI-G
		EPA 8260	HNW	64	PASI-G
		HACH 8146	DEY	1	PASI-G
		EPA 300.0	HMB	3	PASI-G
		SM 5310C	TJJ	1	PASI-G
40207818004	MW 3200	EPA 8015B Modified	ALD	3	PASI-G
		EPA 6010	TXW	1	PASI-G
		EPA 8260	HNW	64	PASI-G
		HACH 8146	DEY	1	PASI-G
		EPA 300.0	HMB	3	PASI-G
		SM 5310C	TJJ	1	PASI-G
40207818005	MW 2000R	EPA 8015B Modified	ALD	3	PASI-G
		EPA 6010	TXW	1	PASI-G
		EPA 8260	HNW	64	PASI-G
		HACH 8146	DEY	1	PASI-G
		EPA 300.0	HMB	3	PASI-G
		SM 5310C	TJJ	1	PASI-G
40207818006	MW 600R	EPA 8015B Modified	ALD	3	PASI-G
		EPA 6010	TXW	1	PASI-G
		EPA 8260	LAP	64	PASI-G
		HACH 8146	DEY	1	PASI-G
		EPA 300.0	HMB	3	PASI-G
		SM 5310C	TJJ	1	PASI-G
40207818007	MW 2100	EPA 8015B Modified	ALD	3	PASI-G

### REPORT OF LABORATORY ANALYSIS

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

### SAMPLE ANALYTE COUNT

Project: 8318 V&L STRIPPING  
Pace Project No.: 40207818

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40207818008	MW 1500	EPA 6010	TXW	1	PASI-G
		EPA 8260	LAP	64	PASI-G
		HACH 8146	DEY	1	PASI-G
		EPA 300.0	HMB	3	PASI-G
		SM 5310C	TJJ	1	PASI-G
		EPA 8015B Modified	ALD	3	PASI-G
		EPA 6010	TXW	1	PASI-G
		EPA 8260	LAP	64	PASI-G
		HACH 8146	DEY	1	PASI-G
		EPA 300.0	HMB	3	PASI-G
40207818009	MW 200	SM 5310C	TJJ	1	PASI-G
		EPA 8015B Modified	ALD	3	PASI-G
		EPA 6010	TXW	1	PASI-G
		EPA 8260	LAP	64	PASI-G
		HACH 8146	DEY	1	PASI-G
		EPA 300.0	HMB	3	PASI-G
		SM 5310C	TJJ	1	PASI-G
		EPA 8015B Modified	ALD	3	PASI-G
		EPA 6010	TXW	1	PASI-G
		EPA 8260	LAP	64	PASI-G
40207818010	MW 300	HACH 8146	DEY	1	PASI-G
		EPA 300.0	HMB	3	PASI-G
		SM 5310C	TJJ	1	PASI-G
		EPA 8015B Modified	ALD	3	PASI-G
		EPA 6010	TXW	1	PASI-G
		EPA 8260	LAP	64	PASI-G
		HACH 8146	DEY	1	PASI-G
		EPA 300.0	HMB	3	PASI-G
		SM 5310C	TJJ	1	PASI-G
		EPA 8015B Modified	ALD	3	PASI-G
40207818011	MW 100	EPA 6010	TXW	1	PASI-G
		EPA 8260	HNW	64	PASI-G
		HACH 8146	DEY	1	PASI-G
		EPA 300.0	HMB	3	PASI-G
		SM 5310C	TJJ	1	PASI-G
		EPA 8015B Modified	ALD	3	PASI-G
		EPA 6010	TXW	1	PASI-G
		EPA 8260	HNW	64	PASI-G
		HACH 8146	DEY	1	PASI-G
		EPA 300.0	HMB	3	PASI-G
40207818012	MW 800	SM 5310C	TJJ	1	PASI-G
		EPA 8015B Modified	ALD	3	PASI-G
		EPA 6010	TXW	1	PASI-G
		EPA 8260	HNW	64	PASI-G
		HACH 8146	DEY	1	PASI-G
		EPA 300.0	HMB	3	PASI-G
		SM 5310C	TJJ	1	PASI-G
		EPA 8015B Modified	ALD	3	PASI-G
		EPA 6010	TXW	1	PASI-G
		EPA 8260	HNW	64	PASI-G

PASI-G = Pace Analytical Services - Green Bay

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## ANALYTICAL RESULTS

Project: 8318 V&L STRIPPING

Pace Project No.: 40207818

**Sample: TW 1400**      **Lab ID: 40207818001**      Collected: 05/13/20 10:30      Received: 05/15/20 08:55      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Ethane	<1.2	ug/L	5.6	1.2	1		05/26/20 09:20	74-84-0	
Ethene	<1.2	ug/L	5.0	1.2	1		05/26/20 09:20	74-85-1	
Methane	<0.66	ug/L	2.8	0.66	1		05/26/20 09:20	74-82-8	
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010      Preparation Method: EPA 3010									
Pace Analytical Services - Green Bay									
Manganese	1180	ug/L	5.1	1.5	1	05/17/20 20:14	05/18/20 04:55	7439-96-5	
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.99	ug/L	4.0	0.99	4		05/18/20 13:51	71-43-2	
Bromobenzene	<0.96	ug/L	4.0	0.96	4		05/18/20 13:51	108-86-1	
Bromochloromethane	<1.4	ug/L	20.0	1.4	4		05/18/20 13:51	74-97-5	
Bromodichloromethane	<1.5	ug/L	4.8	1.5	4		05/18/20 13:51	75-27-4	
Bromoform	<15.9	ug/L	53.0	15.9	4		05/18/20 13:51	75-25-2	
Bromomethane	<3.9	ug/L	20.0	3.9	4		05/18/20 13:51	74-83-9	
n-Butylbenzene	<2.8	ug/L	9.4	2.8	4		05/18/20 13:51	104-51-8	
sec-Butylbenzene	<3.4	ug/L	20.0	3.4	4		05/18/20 13:51	135-98-8	
tert-Butylbenzene	<1.2	ug/L	4.1	1.2	4		05/18/20 13:51	98-06-6	
Carbon tetrachloride	<4.3	ug/L	14.4	4.3	4		05/18/20 13:51	56-23-5	
Chlorobenzene	<2.8	ug/L	9.5	2.8	4		05/18/20 13:51	108-90-7	
Chloroethane	<5.4	ug/L	20.0	5.4	4		05/18/20 13:51	75-00-3	
Chloroform	<5.1	ug/L	20.0	5.1	4		05/18/20 13:51	67-66-3	
Chloromethane	<8.8	ug/L	29.2	8.8	4		05/18/20 13:51	74-87-3	
2-Chlorotoluene	<3.7	ug/L	20.0	3.7	4		05/18/20 13:51	95-49-8	
4-Chlorotoluene	<3.0	ug/L	10.1	3.0	4		05/18/20 13:51	106-43-4	
1,2-Dibromo-3-chloropropane	<7.1	ug/L	23.5	7.1	4		05/18/20 13:51	96-12-8	
Dibromochloromethane	<10.4	ug/L	34.7	10.4	4		05/18/20 13:51	124-48-1	
1,2-Dibromoethane (EDB)	<3.3	ug/L	11.1	3.3	4		05/18/20 13:51	106-93-4	
Dibromomethane	<3.7	ug/L	12.5	3.7	4		05/18/20 13:51	74-95-3	
1,2-Dichlorobenzene	<2.8	ug/L	9.4	2.8	4		05/18/20 13:51	95-50-1	
1,3-Dichlorobenzene	<2.5	ug/L	8.4	2.5	4		05/18/20 13:51	541-73-1	
1,4-Dichlorobenzene	<3.8	ug/L	12.6	3.8	4		05/18/20 13:51	106-46-7	
Dichlorodifluoromethane	<2.0	ug/L	20.0	2.0	4		05/18/20 13:51	75-71-8	
1,1-Dichloroethane	<1.1	ug/L	4.0	1.1	4		05/18/20 13:51	75-34-3	
1,2-Dichloroethane	<1.1	ug/L	4.0	1.1	4		05/18/20 13:51	107-06-2	
1,1-Dichloroethene	<0.98	ug/L	4.0	0.98	4		05/18/20 13:51	75-35-4	
cis-1,2-Dichloroethene	6.2	ug/L	4.0	1.1	4		05/18/20 13:51	156-59-2	
trans-1,2-Dichloroethene	10.5	ug/L	6.2	1.9	4		05/18/20 13:51	156-60-5	
1,2-Dichloropropane	<1.1	ug/L	4.0	1.1	4		05/18/20 13:51	78-87-5	
1,3-Dichloropropane	<3.3	ug/L	11.0	3.3	4		05/18/20 13:51	142-28-9	
2,2-Dichloropropane	<9.1	ug/L	30.2	9.1	4		05/18/20 13:51	594-20-7	
1,1-Dichloropropene	<2.2	ug/L	7.2	2.2	4		05/18/20 13:51	563-58-6	
cis-1,3-Dichloropropene	<14.5	ug/L	48.4	14.5	4		05/18/20 13:51	10061-01-5	
trans-1,3-Dichloropropene	<17.5	ug/L	58.3	17.5	4		05/18/20 13:51	10061-02-6	

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### ANALYTICAL RESULTS

Project: 8318 V&L STRIPPING  
Pace Project No.: 40207818

**Sample: TW 1400**      **Lab ID: 40207818001**      Collected: 05/13/20 10:30      Received: 05/15/20 08:55      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Diisopropyl ether	<7.6	ug/L	25.2	7.6	4		05/18/20 13:51	108-20-3	
Ethylbenzene	<1.3	ug/L	4.2	1.3	4		05/18/20 13:51	100-41-4	
Hexachloro-1,3-butadiene	<5.9	ug/L	19.5	5.9	4		05/18/20 13:51	87-68-3	
Isopropylbenzene (Cumene)	<6.7	ug/L	22.5	6.7	4		05/18/20 13:51	98-82-8	
p-Isopropyltoluene	<3.2	ug/L	10.7	3.2	4		05/18/20 13:51	99-87-6	
Methylene Chloride	<2.3	ug/L	20.0	2.3	4		05/18/20 13:51	75-09-2	
Methyl-tert-butyl ether	<5.0	ug/L	16.6	5.0	4		05/18/20 13:51	1634-04-4	
Naphthalene	<4.7	ug/L	20.0	4.7	4		05/18/20 13:51	91-20-3	
n-Propylbenzene	<3.2	ug/L	20.0	3.2	4		05/18/20 13:51	103-65-1	
Styrene	<12.0	ug/L	40.1	12.0	4		05/18/20 13:51	100-42-5	
1,1,1,2-Tetrachloroethane	<1.1	ug/L	4.0	1.1	4		05/18/20 13:51	630-20-6	
1,1,2,2-Tetrachloroethane	<1.1	ug/L	4.0	1.1	4		05/18/20 13:51	79-34-5	
Tetrachloroethene	1100	ug/L	4.4	1.3	4		05/18/20 13:51	127-18-4	
Toluene	<1.1	ug/L	3.6	1.1	4		05/18/20 13:51	108-88-3	
1,2,3-Trichlorobenzene	<8.8	ug/L	29.5	8.8	4		05/18/20 13:51	87-61-6	
1,2,4-Trichlorobenzene	<3.8	ug/L	20.0	3.8	4		05/18/20 13:51	120-82-1	
1,1,1-Trichloroethane	<0.98	ug/L	4.0	0.98	4		05/18/20 13:51	71-55-6	
1,1,2-Trichloroethane	<2.2	ug/L	20.0	2.2	4		05/18/20 13:51	79-00-5	
Trichloroethene	10.4	ug/L	4.0	1.0	4		05/18/20 13:51	79-01-6	
Trichlorofluoromethane	<0.86	ug/L	4.0	0.86	4		05/18/20 13:51	75-69-4	
1,2,3-Trichloropropane	<2.4	ug/L	20.0	2.4	4		05/18/20 13:51	96-18-4	
1,2,4-Trimethylbenzene	<3.4	ug/L	11.2	3.4	4		05/18/20 13:51	95-63-6	
1,3,5-Trimethylbenzene	<3.5	ug/L	11.6	3.5	4		05/18/20 13:51	108-67-8	
Vinyl chloride	<0.70	ug/L	4.0	0.70	4		05/18/20 13:51	75-01-4	
m&p-Xylene	<1.9	ug/L	8.0	1.9	4		05/18/20 13:51	179601-23-1	
o-Xylene	<1.0	ug/L	4.0	1.0	4		05/18/20 13:51	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	89	%	70-130		4		05/18/20 13:51	460-00-4	
Dibromofluoromethane (S)	97	%	70-130		4		05/18/20 13:51	1868-53-7	
Toluene-d8 (S)	97	%	70-130		4		05/18/20 13:51	2037-26-5	
<b>Iron, Ferrous</b>									
Analytical Method: HACH 8146									
Pace Analytical Services - Green Bay									
Iron, Ferrous	<0.10	mg/L	0.34	0.10	5		05/15/20 16:43		D3,H6
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Chloride	139	mg/L	10.0	2.2	5		05/15/20 17:22	16887-00-6	
Nitrate as N	<0.22	mg/L	0.75	0.22	5		05/15/20 17:22	14797-55-8	D3,H1
Sulfate	16.4	mg/L	10.0	2.2	5		05/15/20 17:22	14808-79-8	
<b>5310C TOC</b>									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	16.9	mg/L	1.0	0.28	2		05/19/20 15:14	7440-44-0	

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## ANALYTICAL RESULTS

Project: 8318 V&L STRIPPING  
Pace Project No.: 40207818

**Sample: PZ 1700**      **Lab ID: 40207818002**      Collected: 05/13/20 07:00      Received: 05/15/20 08:55      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Ethane	<1.2	ug/L	5.6	1.2	1		05/26/20 09:48	74-84-0	
Ethene	<1.2	ug/L	5.0	1.2	1		05/26/20 09:48	74-85-1	
Methane	65.0	ug/L	2.8	0.66	1		05/26/20 09:48	74-82-8	
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Green Bay									
Manganese	122	ug/L	5.1	1.5	1	05/17/20 20:14	05/18/20 05:07	7439-96-5	
<b>8260 MSV</b>									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		05/18/20 14:12	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		05/18/20 14:12	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		05/18/20 14:12	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		05/18/20 14:12	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		05/18/20 14:12	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		05/18/20 14:12	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		05/18/20 14:12	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		05/18/20 14:12	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		05/18/20 14:12	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		05/18/20 14:12	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		05/18/20 14:12	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		05/18/20 14:12	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		05/18/20 14:12	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		05/18/20 14:12	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		05/18/20 14:12	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		05/18/20 14:12	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		05/18/20 14:12	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		05/18/20 14:12	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		05/18/20 14:12	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		05/18/20 14:12	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		05/18/20 14:12	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		05/18/20 14:12	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		05/18/20 14:12	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		05/18/20 14:12	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		05/18/20 14:12	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		05/18/20 14:12	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		05/18/20 14:12	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		05/18/20 14:12	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		05/18/20 14:12	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		05/18/20 14:12	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		05/18/20 14:12	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		05/18/20 14:12	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		05/18/20 14:12	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		05/18/20 14:12	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		05/18/20 14:12	10061-02-6	

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### ANALYTICAL RESULTS

Project: 8318 V&L STRIPPING  
Pace Project No.: 40207818

**Sample: PZ 1700**      **Lab ID: 40207818002**      Collected: 05/13/20 07:00      Received: 05/15/20 08:55      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		05/18/20 14:12	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		05/18/20 14:12	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		05/18/20 14:12	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		05/18/20 14:12	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		05/18/20 14:12	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		05/18/20 14:12	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		05/18/20 14:12	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		05/18/20 14:12	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		05/18/20 14:12	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		05/18/20 14:12	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		05/18/20 14:12	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		05/18/20 14:12	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		05/19/20 09:00	127-18-4	
Toluene	<0.27	ug/L	0.90	0.27	1		05/18/20 14:12	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		05/18/20 14:12	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		05/18/20 14:12	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		05/18/20 14:12	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		05/18/20 14:12	79-00-5	
Trichloroethene	0.48J	ug/L	1.0	0.26	1		05/18/20 14:12	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		05/18/20 14:12	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		05/18/20 14:12	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		05/18/20 14:12	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		05/18/20 14:12	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		05/18/20 14:12	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		05/18/20 14:12	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		05/18/20 14:12	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	88	%	70-130		1		05/18/20 14:12	460-00-4	
Dibromofluoromethane (S)	95	%	70-130		1		05/18/20 14:12	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		05/18/20 14:12	2037-26-5	
<b>Iron, Ferrous</b>									
Analytical Method: HACH 8146									
Pace Analytical Services - Green Bay									
Iron, Ferrous	<0.021	mg/L	0.069	0.021	1		05/15/20 16:44		H6
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Chloride	42.0	mg/L	10.0	2.2	5		05/18/20 11:26	16887-00-6	
Nitrate as N	<0.044	mg/L	0.15	0.044	1		05/15/20 17:37	14797-55-8	H3,M0
Sulfate	44.2	mg/L	10.0	2.2	5		05/18/20 11:26	14808-79-8	
<b>5310C TOC</b>									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	5.7	mg/L	0.50	0.14	1		05/19/20 15:29	7440-44-0	

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## ANALYTICAL RESULTS

Project: 8318 V&L STRIPPING  
Pace Project No.: 40207818

**Sample: MW 1000**      **Lab ID: 40207818003**      Collected: 05/13/20 07:30      Received: 05/15/20 08:55      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Ethane	<1.2	ug/L	5.6	1.2	1		05/26/20 09:55	74-84-0	
Ethene	<1.2	ug/L	5.0	1.2	1		05/26/20 09:55	74-85-1	
Methane	<0.66	ug/L	2.8	0.66	1		05/26/20 09:55	74-82-8	
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010    Preparation Method: EPA 3010 Pace Analytical Services - Green Bay									
Manganese	3380	ug/L	5.1	1.5	1	05/17/20 20:14	05/18/20 05:10	7439-96-5	
<b>8260 MSV</b>									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	1.4	ug/L	1.0	0.25	1		05/18/20 14:34	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		05/18/20 14:34	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		05/18/20 14:34	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		05/18/20 14:34	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		05/18/20 14:34	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		05/18/20 14:34	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		05/18/20 14:34	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		05/18/20 14:34	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		05/18/20 14:34	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		05/18/20 14:34	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		05/18/20 14:34	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		05/18/20 14:34	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		05/18/20 14:34	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		05/18/20 14:34	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		05/18/20 14:34	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		05/18/20 14:34	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		05/18/20 14:34	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		05/18/20 14:34	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		05/18/20 14:34	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		05/18/20 14:34	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		05/18/20 14:34	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		05/18/20 14:34	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		05/18/20 14:34	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		05/18/20 14:34	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		05/18/20 14:34	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		05/18/20 14:34	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		05/18/20 14:34	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		05/18/20 14:34	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		05/18/20 14:34	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		05/18/20 14:34	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		05/18/20 14:34	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		05/18/20 14:34	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		05/18/20 14:34	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		05/18/20 14:34	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		05/18/20 14:34	10061-02-6	

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### ANALYTICAL RESULTS

Project: 8318 V&L STRIPPING  
Pace Project No.: 40207818

**Sample: MW 1000**      **Lab ID: 40207818003**      Collected: 05/13/20 07:30      Received: 05/15/20 08:55      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		05/18/20 14:34	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		05/18/20 14:34	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		05/18/20 14:34	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		05/18/20 14:34	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		05/18/20 14:34	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		05/18/20 14:34	75-09-2	
Methyl-tert-butyl ether	129	ug/L	4.2	1.2	1		05/18/20 14:34	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		05/18/20 14:34	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		05/18/20 14:34	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		05/18/20 14:34	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		05/18/20 14:34	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		05/18/20 14:34	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		05/18/20 14:34	127-18-4	
Toluene	<0.27	ug/L	0.90	0.27	1		05/18/20 14:34	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		05/18/20 14:34	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		05/18/20 14:34	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		05/18/20 14:34	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		05/18/20 14:34	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		05/18/20 14:34	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		05/18/20 14:34	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		05/18/20 14:34	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		05/18/20 14:34	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		05/18/20 14:34	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		05/18/20 14:34	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		05/18/20 14:34	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		05/18/20 14:34	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	89	%	70-130		1		05/18/20 14:34	460-00-4	
Dibromofluoromethane (S)	97	%	70-130		1		05/18/20 14:34	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		05/18/20 14:34	2037-26-5	
<b>Iron, Ferrous</b>									
Analytical Method: HACH 8146									
Pace Analytical Services - Green Bay									
Iron, Ferrous	<0.021	mg/L	0.069	0.021	1		05/15/20 16:44		H6
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Chloride	113	mg/L	10.0	2.2	5		05/18/20 12:10	16887-00-6	
Nitrate as N	2.2	mg/L	0.15	0.044	1		05/15/20 18:22	14797-55-8	H3
Sulfate	40.3	mg/L	2.0	0.44	1		05/15/20 18:22	14808-79-8	
<b>5310C TOC</b>									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	6.7	mg/L	0.50	0.14	1		05/19/20 15:45	7440-44-0	

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### ANALYTICAL RESULTS

Project: 8318 V&L STRIPPING  
Pace Project No.: 40207818

**Sample: MW 3200**      **Lab ID: 40207818004**      Collected: 05/13/20 08:00      Received: 05/15/20 08:55      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Ethane	<1.2	ug/L	5.6	1.2	1		05/26/20 10:02	74-84-0	
Ethene	<1.2	ug/L	5.0	1.2	1		05/26/20 10:02	74-85-1	
Methane	3150	ug/L	56.0	13.3	20		05/26/20 12:14	74-82-8	
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010      Preparation Method: EPA 3010 Pace Analytical Services - Green Bay									
Manganese	16.6	ug/L	5.1	1.5	1	05/17/20 20:14	05/18/20 05:12	7439-96-5	
<b>8260 MSV</b>									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		05/18/20 13:29	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		05/18/20 13:29	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		05/18/20 13:29	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		05/18/20 13:29	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		05/18/20 13:29	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		05/18/20 13:29	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		05/18/20 13:29	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		05/18/20 13:29	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		05/18/20 13:29	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		05/18/20 13:29	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		05/18/20 13:29	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		05/18/20 13:29	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		05/18/20 13:29	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		05/18/20 13:29	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		05/18/20 13:29	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		05/18/20 13:29	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		05/18/20 13:29	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		05/18/20 13:29	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		05/18/20 13:29	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		05/18/20 13:29	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		05/18/20 13:29	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		05/18/20 13:29	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		05/18/20 13:29	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		05/18/20 13:29	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		05/18/20 13:29	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		05/18/20 13:29	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		05/18/20 13:29	75-35-4	M1
cis-1,2-Dichloroethene	0.29J	ug/L	1.0	0.27	1		05/18/20 13:29	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		05/18/20 13:29	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		05/18/20 13:29	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		05/18/20 13:29	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		05/18/20 13:29	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		05/18/20 13:29	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		05/18/20 13:29	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		05/18/20 13:29	10061-02-6	

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### ANALYTICAL RESULTS

Project: 8318 V&L STRIPPING

Pace Project No.: 40207818

**Sample: MW 3200**      **Lab ID: 40207818004**      Collected: 05/13/20 08:00      Received: 05/15/20 08:55      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		05/18/20 13:29	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		05/18/20 13:29	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		05/18/20 13:29	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		05/18/20 13:29	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		05/18/20 13:29	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		05/18/20 13:29	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		05/18/20 13:29	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		05/18/20 13:29	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		05/18/20 13:29	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		05/18/20 13:29	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		05/18/20 13:29	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		05/18/20 13:29	79-34-5	
Tetrachloroethene	0.55J	ug/L	1.1	0.33	1		05/18/20 13:29	127-18-4	
Toluene	<0.27	ug/L	0.90	0.27	1		05/18/20 13:29	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		05/18/20 13:29	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		05/18/20 13:29	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		05/18/20 13:29	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		05/18/20 13:29	79-00-5	
Trichloroethene	0.52J	ug/L	1.0	0.26	1		05/18/20 13:29	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		05/18/20 13:29	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		05/18/20 13:29	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		05/18/20 13:29	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		05/18/20 13:29	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		05/18/20 13:29	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		05/18/20 13:29	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		05/18/20 13:29	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	89	%	70-130		1		05/18/20 13:29	460-00-4	
Dibromofluoromethane (S)	96	%	70-130		1		05/18/20 13:29	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		05/18/20 13:29	2037-26-5	
<b>Iron, Ferrous</b>									
Analytical Method: HACH 8146									
Pace Analytical Services - Green Bay									
Iron, Ferrous	<0.021	mg/L	0.069	0.021	1		05/15/20 16:44		H6
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Chloride	2.5	mg/L	2.0	0.43	1		05/15/20 18:36	16887-00-6	
Nitrate as N	<0.044	mg/L	0.15	0.044	1		05/15/20 18:36	14797-55-8	H3
Sulfate	<0.44	mg/L	2.0	0.44	1		05/15/20 18:36	14808-79-8	
<b>5310C TOC</b>									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	6.1	mg/L	0.50	0.14	1		05/19/20 16:04	7440-44-0	

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## ANALYTICAL RESULTS

Project: 8318 V&L STRIPPING  
Pace Project No.: 40207818

**Sample: MW 2000R**      **Lab ID: 40207818005**      Collected: 05/13/20 08:30      Received: 05/15/20 08:55      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Ethane	<1.2	ug/L	5.6	1.2	1		05/26/20 10:09	74-84-0	
Ethene	<1.2	ug/L	5.0	1.2	1		05/26/20 10:09	74-85-1	
Methane	15.4	ug/L	2.8	0.66	1		05/26/20 10:09	74-82-8	
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010      Preparation Method: EPA 3010 Pace Analytical Services - Green Bay									
Manganese	320	ug/L	5.1	1.5	1	05/17/20 20:14	05/18/20 05:15	7439-96-5	
<b>8260 MSV</b>									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		05/18/20 14:55	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		05/18/20 14:55	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		05/18/20 14:55	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		05/18/20 14:55	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		05/18/20 14:55	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		05/18/20 14:55	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		05/18/20 14:55	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		05/18/20 14:55	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		05/18/20 14:55	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		05/18/20 14:55	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		05/18/20 14:55	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		05/18/20 14:55	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		05/18/20 14:55	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		05/18/20 14:55	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		05/18/20 14:55	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		05/18/20 14:55	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		05/18/20 14:55	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		05/18/20 14:55	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		05/18/20 14:55	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		05/18/20 14:55	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		05/18/20 14:55	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		05/18/20 14:55	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		05/18/20 14:55	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		05/18/20 14:55	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		05/18/20 14:55	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		05/18/20 14:55	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		05/18/20 14:55	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		05/18/20 14:55	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		05/18/20 14:55	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		05/18/20 14:55	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		05/18/20 14:55	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		05/18/20 14:55	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		05/18/20 14:55	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		05/18/20 14:55	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		05/18/20 14:55	10061-02-6	

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### ANALYTICAL RESULTS

Project: 8318 V&L STRIPPING  
Pace Project No.: 40207818

**Sample: MW 2000R**      **Lab ID: 40207818005**      Collected: 05/13/20 08:30      Received: 05/15/20 08:55      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		05/18/20 14:55	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		05/18/20 14:55	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		05/18/20 14:55	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		05/18/20 14:55	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		05/18/20 14:55	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		05/18/20 14:55	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		05/18/20 14:55	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		05/18/20 14:55	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		05/18/20 14:55	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		05/18/20 14:55	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		05/18/20 14:55	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		05/18/20 14:55	79-34-5	
Tetrachloroethene	0.43J	ug/L	1.1	0.33	1		05/18/20 14:55	127-18-4	
Toluene	<0.27	ug/L	0.90	0.27	1		05/18/20 14:55	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		05/18/20 14:55	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		05/18/20 14:55	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		05/18/20 14:55	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		05/18/20 14:55	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		05/18/20 14:55	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		05/18/20 14:55	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		05/18/20 14:55	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		05/18/20 14:55	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		05/18/20 14:55	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		05/18/20 14:55	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		05/18/20 14:55	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		05/18/20 14:55	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	91	%	70-130		1		05/18/20 14:55	460-00-4	
Dibromofluoromethane (S)	96	%	70-130		1		05/18/20 14:55	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		05/18/20 14:55	2037-26-5	
<b>Iron, Ferrous</b>									
Analytical Method: HACH 8146									
Pace Analytical Services - Green Bay									
Iron, Ferrous	<0.021	mg/L	0.069	0.021	1		05/15/20 16:47		H6
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Chloride	31.0	mg/L	2.0	0.43	1		05/18/20 13:10	16887-00-6	
Nitrate as N	<0.044	mg/L	0.15	0.044	1		05/18/20 13:10	14797-55-8	H3
Sulfate	12.3	mg/L	2.0	0.44	1		05/18/20 13:10	14808-79-8	
<b>5310C TOC</b>									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	8.7	mg/L	0.50	0.14	1		05/19/20 16:22	7440-44-0	

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### ANALYTICAL RESULTS

Project: 8318 V&L STRIPPING

Pace Project No.: 40207818

**Sample: MW 600R**      **Lab ID: 40207818006**      Collected: 05/13/20 09:00      Received: 05/15/20 08:55      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Ethane	3.2J	ug/L	5.6	1.2	1		05/26/20 10:16	74-84-0	
Ethene	<1.2	ug/L	5.0	1.2	1		05/26/20 10:16	74-85-1	
Methane	1330	ug/L	28.0	6.6	10		05/26/20 12:21	74-82-8	
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010      Preparation Method: EPA 3010									
Pace Analytical Services - Green Bay									
Manganese	964	ug/L	5.1	1.5	1	05/17/20 20:14	05/18/20 05:17	7439-96-5	
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		05/19/20 15:27	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		05/19/20 15:27	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		05/19/20 15:27	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		05/19/20 15:27	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		05/19/20 15:27	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		05/19/20 15:27	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		05/19/20 15:27	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		05/19/20 15:27	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		05/19/20 15:27	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		05/19/20 15:27	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		05/19/20 15:27	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		05/19/20 15:27	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		05/19/20 15:27	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		05/19/20 15:27	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		05/19/20 15:27	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		05/19/20 15:27	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		05/19/20 15:27	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		05/19/20 15:27	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		05/19/20 15:27	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		05/19/20 15:27	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		05/19/20 15:27	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		05/19/20 15:27	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		05/19/20 15:27	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		05/19/20 15:27	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		05/19/20 15:27	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		05/19/20 15:27	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		05/19/20 15:27	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		05/19/20 15:27	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		05/19/20 15:27	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		05/19/20 15:27	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		05/19/20 15:27	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		05/19/20 15:27	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		05/19/20 15:27	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		05/19/20 15:27	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		05/19/20 15:27	10061-02-6	

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### ANALYTICAL RESULTS

Project: 8318 V&L STRIPPING  
Pace Project No.: 40207818

**Sample: MW 600R**      **Lab ID: 40207818006**      Collected: 05/13/20 09:00      Received: 05/15/20 08:55      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		05/19/20 15:27	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		05/19/20 15:27	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		05/19/20 15:27	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		05/19/20 15:27	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		05/19/20 15:27	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		05/19/20 15:27	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		05/19/20 15:27	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		05/19/20 15:27	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		05/19/20 15:27	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		05/19/20 15:27	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		05/19/20 15:27	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		05/19/20 15:27	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		05/19/20 15:27	127-18-4	
Toluene	<0.27	ug/L	0.90	0.27	1		05/19/20 15:27	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		05/19/20 15:27	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		05/19/20 15:27	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		05/19/20 15:27	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		05/19/20 15:27	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		05/19/20 15:27	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		05/19/20 15:27	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		05/19/20 15:27	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		05/19/20 15:27	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		05/19/20 15:27	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		05/19/20 15:27	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		05/19/20 15:27	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		05/19/20 15:27	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	88	%	70-130		1		05/19/20 15:27	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		05/19/20 15:27	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		05/19/20 15:27	2037-26-5	
<b>Iron, Ferrous</b>									
Analytical Method: HACH 8146									
Pace Analytical Services - Green Bay									
Iron, Ferrous	<0.021	mg/L	0.069	0.021	1		05/15/20 16:47		H6
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Chloride	491	mg/L	20.0	4.3	10		05/18/20 13:39	16887-00-6	
Nitrate as N	<0.44	mg/L	1.5	0.44	10		05/18/20 13:39	14797-55-8	D3,H1
Sulfate	260	mg/L	20.0	4.4	10		05/18/20 13:39	14808-79-8	
<b>5310C TOC</b>									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	5.5	mg/L	0.50	0.14	1		05/19/20 17:01	7440-44-0	

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### ANALYTICAL RESULTS

Project: 8318 V&L STRIPPING

Pace Project No.: 40207818

**Sample: MW 2100**      **Lab ID: 40207818007**      Collected: 05/13/20 09:30      Received: 05/15/20 08:55      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Ethane	<1.2	ug/L	5.6	1.2	1		05/26/20 12:58	74-84-0	
Ethene	<1.2	ug/L	5.0	1.2	1		05/26/20 12:58	74-85-1	
Methane	1.1J	ug/L	2.8	0.66	1		05/26/20 12:58	74-82-8	
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010      Preparation Method: EPA 3010 Pace Analytical Services - Green Bay									
Manganese	159	ug/L	5.1	1.5	1	05/17/20 20:14	05/18/20 05:20	7439-96-5	
<b>8260 MSV</b>									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		05/19/20 13:58	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		05/19/20 13:58	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		05/19/20 13:58	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		05/19/20 13:58	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		05/19/20 13:58	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		05/19/20 13:58	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		05/19/20 13:58	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		05/19/20 13:58	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		05/19/20 13:58	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		05/19/20 13:58	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		05/19/20 13:58	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		05/19/20 13:58	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		05/19/20 13:58	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		05/19/20 13:58	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		05/19/20 13:58	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		05/19/20 13:58	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		05/19/20 13:58	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		05/19/20 13:58	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		05/19/20 13:58	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		05/19/20 13:58	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		05/19/20 13:58	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		05/19/20 13:58	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		05/19/20 13:58	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		05/19/20 13:58	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		05/19/20 13:58	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		05/19/20 13:58	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		05/19/20 13:58	75-35-4	
cis-1,2-Dichloroethene	5.7	ug/L	1.0	0.27	1		05/19/20 13:58	156-59-2	
trans-1,2-Dichloroethene	0.69J	ug/L	1.5	0.46	1		05/19/20 13:58	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		05/19/20 13:58	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		05/19/20 13:58	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		05/19/20 13:58	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		05/19/20 13:58	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		05/19/20 13:58	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		05/19/20 13:58	10061-02-6	

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### ANALYTICAL RESULTS

Project: 8318 V&L STRIPPING  
Pace Project No.: 40207818

**Sample: MW 2100**      **Lab ID: 40207818007**      Collected: 05/13/20 09:30      Received: 05/15/20 08:55      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		05/19/20 13:58	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		05/19/20 13:58	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		05/19/20 13:58	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		05/19/20 13:58	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		05/19/20 13:58	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		05/19/20 13:58	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		05/19/20 13:58	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		05/19/20 13:58	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		05/19/20 13:58	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		05/19/20 13:58	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		05/19/20 13:58	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		05/19/20 13:58	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		05/19/20 13:58	127-18-4	
Toluene	<0.27	ug/L	0.90	0.27	1		05/19/20 13:58	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		05/19/20 13:58	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		05/19/20 13:58	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		05/19/20 13:58	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		05/19/20 13:58	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		05/19/20 13:58	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		05/19/20 13:58	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		05/19/20 13:58	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		05/19/20 13:58	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		05/19/20 13:58	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		05/19/20 13:58	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		05/19/20 13:58	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		05/19/20 13:58	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	89	%	70-130		1		05/19/20 13:58	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		05/19/20 13:58	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		05/19/20 13:58	2037-26-5	
<b>Iron, Ferrous</b>									
Analytical Method: HACH 8146									
Pace Analytical Services - Green Bay									
Iron, Ferrous	<0.021	mg/L	0.069	0.021	1		05/15/20 16:48		H6
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Chloride	69.1	mg/L	10.0	2.2	5		05/18/20 13:54	16887-00-6	
Nitrate as N	11.3	mg/L	0.75	0.22	5		05/18/20 13:54	14797-55-8	H1
Sulfate	25.8	mg/L	10.0	2.2	5		05/18/20 13:54	14808-79-8	
<b>5310C TOC</b>									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	3.0	mg/L	0.50	0.14	1		05/19/20 17:18	7440-44-0	

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## ANALYTICAL RESULTS

Project: 8318 V&L STRIPPING  
Pace Project No.: 40207818

**Sample: MW 1500**      **Lab ID: 40207818008**      Collected: 05/13/20 10:00      Received: 05/15/20 08:55      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Ethane	<1.2	ug/L	5.6	1.2	1		05/26/20 10:30	74-84-0	
Ethene	<1.2	ug/L	5.0	1.2	1		05/26/20 10:30	74-85-1	
Methane	4280	ug/L	112	26.6	40		05/26/20 13:05	74-82-8	
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010      Preparation Method: EPA 3010 Pace Analytical Services - Green Bay									
Manganese	510	ug/L	5.1	1.5	1	05/17/20 20:14	05/18/20 05:22	7439-96-5	
<b>8260 MSV</b>									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	2.2J	ug/L	5.0	1.2	5		05/19/20 13:14	71-43-2	
Bromobenzene	<1.2	ug/L	5.0	1.2	5		05/19/20 13:14	108-86-1	
Bromochloromethane	<1.8	ug/L	25.0	1.8	5		05/19/20 13:14	74-97-5	
Bromodichloromethane	<1.8	ug/L	6.1	1.8	5		05/19/20 13:14	75-27-4	
Bromoform	<19.9	ug/L	66.2	19.9	5		05/19/20 13:14	75-25-2	
Bromomethane	<4.9	ug/L	25.0	4.9	5		05/19/20 13:14	74-83-9	
n-Butylbenzene	<3.5	ug/L	11.8	3.5	5		05/19/20 13:14	104-51-8	
sec-Butylbenzene	<4.2	ug/L	25.0	4.2	5		05/19/20 13:14	135-98-8	
tert-Butylbenzene	<1.5	ug/L	5.1	1.5	5		05/19/20 13:14	98-06-6	
Carbon tetrachloride	<5.4	ug/L	17.9	5.4	5		05/19/20 13:14	56-23-5	
Chlorobenzene	<3.6	ug/L	11.8	3.6	5		05/19/20 13:14	108-90-7	
Chloroethane	<6.7	ug/L	25.0	6.7	5		05/19/20 13:14	75-00-3	
Chloroform	<6.4	ug/L	25.0	6.4	5		05/19/20 13:14	67-66-3	
Chloromethane	<10.9	ug/L	36.5	10.9	5		05/19/20 13:14	74-87-3	
2-Chlorotoluene	<4.6	ug/L	25.0	4.6	5		05/19/20 13:14	95-49-8	
4-Chlorotoluene	<3.8	ug/L	12.6	3.8	5		05/19/20 13:14	106-43-4	
1,2-Dibromo-3-chloropropane	<8.8	ug/L	29.4	8.8	5		05/19/20 13:14	96-12-8	
Dibromochloromethane	<13.0	ug/L	43.4	13.0	5		05/19/20 13:14	124-48-1	
1,2-Dibromoethane (EDB)	<4.1	ug/L	13.8	4.1	5		05/19/20 13:14	106-93-4	
Dibromomethane	<4.7	ug/L	15.6	4.7	5		05/19/20 13:14	74-95-3	
1,2-Dichlorobenzene	<3.5	ug/L	11.8	3.5	5		05/19/20 13:14	95-50-1	
1,3-Dichlorobenzene	<3.1	ug/L	10.5	3.1	5		05/19/20 13:14	541-73-1	
1,4-Dichlorobenzene	<4.7	ug/L	15.7	4.7	5		05/19/20 13:14	106-46-7	
Dichlorodifluoromethane	<2.5	ug/L	25.0	2.5	5		05/19/20 13:14	75-71-8	
1,1-Dichloroethane	<1.4	ug/L	5.0	1.4	5		05/19/20 13:14	75-34-3	
1,2-Dichloroethane	<1.4	ug/L	5.0	1.4	5		05/19/20 13:14	107-06-2	
1,1-Dichloroethene	<1.2	ug/L	5.0	1.2	5		05/19/20 13:14	75-35-4	
cis-1,2-Dichloroethene	760	ug/L	5.0	1.4	5		05/19/20 13:14	156-59-2	
trans-1,2-Dichloroethene	297	ug/L	7.7	2.3	5		05/19/20 13:14	156-60-5	
1,2-Dichloropropane	<1.4	ug/L	5.0	1.4	5		05/19/20 13:14	78-87-5	
1,3-Dichloropropane	<4.1	ug/L	13.8	4.1	5		05/19/20 13:14	142-28-9	
2,2-Dichloropropane	<11.3	ug/L	37.8	11.3	5		05/19/20 13:14	594-20-7	
1,1-Dichloropropene	<2.7	ug/L	9.0	2.7	5		05/19/20 13:14	563-58-6	
cis-1,3-Dichloropropene	<18.1	ug/L	60.5	18.1	5		05/19/20 13:14	10061-01-5	
trans-1,3-Dichloropropene	<21.9	ug/L	72.8	21.9	5		05/19/20 13:14	10061-02-6	

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### ANALYTICAL RESULTS

Project: 8318 V&L STRIPPING  
Pace Project No.: 40207818

**Sample: MW 1500**      **Lab ID: 40207818008**      Collected: 05/13/20 10:00      Received: 05/15/20 08:55      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Diisopropyl ether	<9.4	ug/L	31.5	9.4	5		05/19/20 13:14	108-20-3	
Ethylbenzene	<1.6	ug/L	5.3	1.6	5		05/19/20 13:14	100-41-4	
Hexachloro-1,3-butadiene	<7.3	ug/L	24.4	7.3	5		05/19/20 13:14	87-68-3	
Isopropylbenzene (Cumene)	<8.4	ug/L	28.1	8.4	5		05/19/20 13:14	98-82-8	
p-Isopropyltoluene	<4.0	ug/L	13.3	4.0	5		05/19/20 13:14	99-87-6	
Methylene Chloride	<2.9	ug/L	25.0	2.9	5		05/19/20 13:14	75-09-2	
Methyl-tert-butyl ether	<6.2	ug/L	20.8	6.2	5		05/19/20 13:14	1634-04-4	
Naphthalene	<5.9	ug/L	25.0	5.9	5		05/19/20 13:14	91-20-3	
n-Propylbenzene	<4.1	ug/L	25.0	4.1	5		05/19/20 13:14	103-65-1	
Styrene	<15.0	ug/L	50.2	15.0	5		05/19/20 13:14	100-42-5	
1,1,1,2-Tetrachloroethane	<1.3	ug/L	5.0	1.3	5		05/19/20 13:14	630-20-6	
1,1,2,2-Tetrachloroethane	<1.4	ug/L	5.0	1.4	5		05/19/20 13:14	79-34-5	
Tetrachloroethene	<1.6	ug/L	5.4	1.6	5		05/19/20 13:14	127-18-4	
Toluene	<1.3	ug/L	4.5	1.3	5		05/19/20 13:14	108-88-3	
1,2,3-Trichlorobenzene	<11.1	ug/L	36.8	11.1	5		05/19/20 13:14	87-61-6	
1,2,4-Trichlorobenzene	<4.8	ug/L	25.0	4.8	5		05/19/20 13:14	120-82-1	
1,1,1-Trichloroethane	<1.2	ug/L	5.0	1.2	5		05/19/20 13:14	71-55-6	
1,1,2-Trichloroethane	<2.8	ug/L	25.0	2.8	5		05/19/20 13:14	79-00-5	
Trichloroethene	<1.3	ug/L	5.0	1.3	5		05/19/20 13:14	79-01-6	
Trichlorofluoromethane	<1.1	ug/L	5.0	1.1	5		05/19/20 13:14	75-69-4	
1,2,3-Trichloropropane	<3.0	ug/L	25.0	3.0	5		05/19/20 13:14	96-18-4	
1,2,4-Trimethylbenzene	<4.2	ug/L	14.0	4.2	5		05/19/20 13:14	95-63-6	
1,3,5-Trimethylbenzene	<4.4	ug/L	14.6	4.4	5		05/19/20 13:14	108-67-8	
Vinyl chloride	2.0J	ug/L	5.0	0.87	5		05/19/20 13:14	75-01-4	
m&p-Xylene	<2.3	ug/L	10.0	2.3	5		05/19/20 13:14	179601-23-1	
o-Xylene	<1.3	ug/L	5.0	1.3	5		05/19/20 13:14	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	89	%	70-130		5		05/19/20 13:14	460-00-4	
Dibromofluoromethane (S)	95	%	70-130		5		05/19/20 13:14	1868-53-7	
Toluene-d8 (S)	99	%	70-130		5		05/19/20 13:14	2037-26-5	
<b>Iron, Ferrous</b>									
Analytical Method: HACH 8146									
Pace Analytical Services - Green Bay									
Iron, Ferrous	<0.021	mg/L	0.069	0.021	1		05/15/20 16:49		H6
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Chloride	111	mg/L	10.0	2.2	5		05/18/20 14:26	16887-00-6	
Nitrate as N	<0.044	mg/L	0.15	0.044	1		05/18/20 14:09	14797-55-8	H1
Sulfate	41.2	mg/L	2.0	0.44	1		05/18/20 14:09	14808-79-8	
<b>5310C TOC</b>									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	15.3	mg/L	1.5	0.42	3		05/19/20 17:33	7440-44-0	

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### ANALYTICAL RESULTS

Project: 8318 V&L STRIPPING  
Pace Project No.: 40207818

**Sample: MW 200**      **Lab ID: 40207818009**      Collected: 05/13/20 11:00      Received: 05/15/20 08:55      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Ethane	<1.2	ug/L	5.6	1.2	1		05/26/20 10:36	74-84-0	
Ethene	<1.2	ug/L	5.0	1.2	1		05/26/20 10:36	74-85-1	
Methane	4870	ug/L	112	26.6	40		05/26/20 13:11	74-82-8	
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Green Bay									
Manganese	169	ug/L	5.1	1.5	1	05/17/20 20:14	05/18/20 05:24	7439-96-5	
<b>8260 MSV</b>									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		05/19/20 13:36	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		05/19/20 13:36	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		05/19/20 13:36	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		05/19/20 13:36	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		05/19/20 13:36	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		05/19/20 13:36	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		05/19/20 13:36	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		05/19/20 13:36	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		05/19/20 13:36	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		05/19/20 13:36	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		05/19/20 13:36	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		05/19/20 13:36	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		05/19/20 13:36	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		05/19/20 13:36	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		05/19/20 13:36	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		05/19/20 13:36	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		05/19/20 13:36	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		05/19/20 13:36	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		05/19/20 13:36	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		05/19/20 13:36	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		05/19/20 13:36	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		05/19/20 13:36	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		05/19/20 13:36	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		05/19/20 13:36	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		05/19/20 13:36	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		05/19/20 13:36	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		05/19/20 13:36	75-35-4	
cis-1,2-Dichloroethene	90.0	ug/L	1.0	0.27	1		05/19/20 13:36	156-59-2	
trans-1,2-Dichloroethene	58.9	ug/L	1.5	0.46	1		05/19/20 13:36	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		05/19/20 13:36	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		05/19/20 13:36	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		05/19/20 13:36	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		05/19/20 13:36	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		05/19/20 13:36	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		05/19/20 13:36	10061-02-6	

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### ANALYTICAL RESULTS

Project: 8318 V&L STRIPPING  
Pace Project No.: 40207818

**Sample: MW 200**      **Lab ID: 40207818009**      Collected: 05/13/20 11:00      Received: 05/15/20 08:55      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		05/19/20 13:36	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		05/19/20 13:36	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		05/19/20 13:36	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		05/19/20 13:36	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		05/19/20 13:36	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		05/19/20 13:36	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		05/19/20 13:36	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		05/19/20 13:36	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		05/19/20 13:36	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		05/19/20 13:36	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		05/19/20 13:36	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		05/19/20 13:36	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		05/19/20 13:36	127-18-4	
Toluene	<0.27	ug/L	0.90	0.27	1		05/19/20 13:36	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		05/19/20 13:36	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		05/19/20 13:36	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		05/19/20 13:36	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		05/19/20 13:36	79-00-5	
Trichloroethene	5.3	ug/L	1.0	0.26	1		05/19/20 13:36	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		05/19/20 13:36	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		05/19/20 13:36	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		05/19/20 13:36	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		05/19/20 13:36	108-67-8	
Vinyl chloride	0.32J	ug/L	1.0	0.17	1		05/19/20 13:36	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		05/19/20 13:36	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		05/19/20 13:36	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	89	%	70-130		1		05/19/20 13:36	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		05/19/20 13:36	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		05/19/20 13:36	2037-26-5	
<b>Iron, Ferrous</b>									
Analytical Method: HACH 8146									
Pace Analytical Services - Green Bay									
Iron, Ferrous	<0.021	mg/L	0.069	0.021	1		05/15/20 16:52		H6
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Chloride	19.7	mg/L	2.0	0.43	1		05/15/20 12:08	16887-00-6	
Nitrate as N	<0.044	mg/L	0.15	0.044	1		05/15/20 12:08	14797-55-8	H1
Sulfate	<0.44	mg/L	2.0	0.44	1		05/15/20 12:08	14808-79-8	
<b>5310C TOC</b>									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	23.5	mg/L	1.0	0.28	2		05/19/20 17:50	7440-44-0	

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## ANALYTICAL RESULTS

Project: 8318 V&L STRIPPING

Pace Project No.: 40207818

**Sample: MW 300**      **Lab ID: 40207818010**      Collected: 05/13/20 11:30      Received: 05/15/20 08:55      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Ethane	8.7	ug/L	5.6	1.2	1		05/26/20 10:43	74-84-0	
Ethene	<1.2	ug/L	5.0	1.2	1		05/26/20 10:43	74-85-1	
Methane	13700	ug/L	280	66.5	100		05/26/20 13:18	74-82-8	
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010      Preparation Method: EPA 3010									
Pace Analytical Services - Green Bay									
Manganese	804	ug/L	5.1	1.5	1	05/17/20 20:14	05/18/20 05:27	7439-96-5	
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<1.2	ug/L	5.0	1.2	5		05/19/20 12:52	71-43-2	
Bromobenzene	<1.2	ug/L	5.0	1.2	5		05/19/20 12:52	108-86-1	
Bromochloromethane	<1.8	ug/L	25.0	1.8	5		05/19/20 12:52	74-97-5	
Bromodichloromethane	<1.8	ug/L	6.1	1.8	5		05/19/20 12:52	75-27-4	
Bromoform	<19.9	ug/L	66.2	19.9	5		05/19/20 12:52	75-25-2	
Bromomethane	<4.9	ug/L	25.0	4.9	5		05/19/20 12:52	74-83-9	
n-Butylbenzene	<3.5	ug/L	11.8	3.5	5		05/19/20 12:52	104-51-8	
sec-Butylbenzene	<4.2	ug/L	25.0	4.2	5		05/19/20 12:52	135-98-8	
tert-Butylbenzene	<1.5	ug/L	5.1	1.5	5		05/19/20 12:52	98-06-6	
Carbon tetrachloride	<5.4	ug/L	17.9	5.4	5		05/19/20 12:52	56-23-5	
Chlorobenzene	<3.6	ug/L	11.8	3.6	5		05/19/20 12:52	108-90-7	
Chloroethane	<6.7	ug/L	25.0	6.7	5		05/19/20 12:52	75-00-3	
Chloroform	<6.4	ug/L	25.0	6.4	5		05/19/20 12:52	67-66-3	
Chloromethane	<10.9	ug/L	36.5	10.9	5		05/19/20 12:52	74-87-3	
2-Chlorotoluene	<4.6	ug/L	25.0	4.6	5		05/19/20 12:52	95-49-8	
4-Chlorotoluene	<3.8	ug/L	12.6	3.8	5		05/19/20 12:52	106-43-4	
1,2-Dibromo-3-chloropropane	<8.8	ug/L	29.4	8.8	5		05/19/20 12:52	96-12-8	
Dibromochloromethane	<13.0	ug/L	43.4	13.0	5		05/19/20 12:52	124-48-1	
1,2-Dibromoethane (EDB)	<4.1	ug/L	13.8	4.1	5		05/19/20 12:52	106-93-4	
Dibromomethane	<4.7	ug/L	15.6	4.7	5		05/19/20 12:52	74-95-3	
1,2-Dichlorobenzene	<3.5	ug/L	11.8	3.5	5		05/19/20 12:52	95-50-1	
1,3-Dichlorobenzene	<3.1	ug/L	10.5	3.1	5		05/19/20 12:52	541-73-1	
1,4-Dichlorobenzene	<4.7	ug/L	15.7	4.7	5		05/19/20 12:52	106-46-7	
Dichlorodifluoromethane	<2.5	ug/L	25.0	2.5	5		05/19/20 12:52	75-71-8	
1,1-Dichloroethane	<1.4	ug/L	5.0	1.4	5		05/19/20 12:52	75-34-3	
1,2-Dichloroethane	<1.4	ug/L	5.0	1.4	5		05/19/20 12:52	107-06-2	
1,1-Dichloroethene	<1.2	ug/L	5.0	1.2	5		05/19/20 12:52	75-35-4	
cis-1,2-Dichloroethene	354	ug/L	5.0	1.4	5		05/19/20 12:52	156-59-2	
trans-1,2-Dichloroethene	443	ug/L	7.7	2.3	5		05/19/20 12:52	156-60-5	
1,2-Dichloropropane	<1.4	ug/L	5.0	1.4	5		05/19/20 12:52	78-87-5	
1,3-Dichloropropane	<4.1	ug/L	13.8	4.1	5		05/19/20 12:52	142-28-9	
2,2-Dichloropropane	<11.3	ug/L	37.8	11.3	5		05/19/20 12:52	594-20-7	
1,1-Dichloropropene	<2.7	ug/L	9.0	2.7	5		05/19/20 12:52	563-58-6	
cis-1,3-Dichloropropene	<18.1	ug/L	60.5	18.1	5		05/19/20 12:52	10061-01-5	
trans-1,3-Dichloropropene	<21.9	ug/L	72.8	21.9	5		05/19/20 12:52	10061-02-6	

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### ANALYTICAL RESULTS

Project: 8318 V&L STRIPPING  
Pace Project No.: 40207818

**Sample: MW 300**      **Lab ID: 40207818010**      Collected: 05/13/20 11:30      Received: 05/15/20 08:55      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Diisopropyl ether	<9.4	ug/L	31.5	9.4	5		05/19/20 12:52	108-20-3	
Ethylbenzene	<1.6	ug/L	5.3	1.6	5		05/19/20 12:52	100-41-4	
Hexachloro-1,3-butadiene	<7.3	ug/L	24.4	7.3	5		05/19/20 12:52	87-68-3	
Isopropylbenzene (Cumene)	<8.4	ug/L	28.1	8.4	5		05/19/20 12:52	98-82-8	
p-Isopropyltoluene	<4.0	ug/L	13.3	4.0	5		05/19/20 12:52	99-87-6	
Methylene Chloride	<2.9	ug/L	25.0	2.9	5		05/19/20 12:52	75-09-2	
Methyl-tert-butyl ether	<6.2	ug/L	20.8	6.2	5		05/19/20 12:52	1634-04-4	
Naphthalene	<5.9	ug/L	25.0	5.9	5		05/19/20 12:52	91-20-3	
n-Propylbenzene	<4.1	ug/L	25.0	4.1	5		05/19/20 12:52	103-65-1	
Styrene	<15.0	ug/L	50.2	15.0	5		05/19/20 12:52	100-42-5	
1,1,1,2-Tetrachloroethane	<1.3	ug/L	5.0	1.3	5		05/19/20 12:52	630-20-6	
1,1,2,2-Tetrachloroethane	<1.4	ug/L	5.0	1.4	5		05/19/20 12:52	79-34-5	
Tetrachloroethene	3.6J	ug/L	5.4	1.6	5		05/19/20 12:52	127-18-4	
Toluene	<1.3	ug/L	4.5	1.3	5		05/19/20 17:18	108-88-3	
1,2,3-Trichlorobenzene	<11.1	ug/L	36.8	11.1	5		05/19/20 12:52	87-61-6	
1,2,4-Trichlorobenzene	<4.8	ug/L	25.0	4.8	5		05/19/20 12:52	120-82-1	
1,1,1-Trichloroethane	<1.2	ug/L	5.0	1.2	5		05/19/20 12:52	71-55-6	
1,1,2-Trichloroethane	<2.8	ug/L	25.0	2.8	5		05/19/20 12:52	79-00-5	
Trichloroethene	1.4J	ug/L	5.0	1.3	5		05/19/20 12:52	79-01-6	
Trichlorofluoromethane	<1.1	ug/L	5.0	1.1	5		05/19/20 12:52	75-69-4	
1,2,3-Trichloropropane	<3.0	ug/L	25.0	3.0	5		05/19/20 12:52	96-18-4	
1,2,4-Trimethylbenzene	<4.2	ug/L	14.0	4.2	5		05/19/20 12:52	95-63-6	
1,3,5-Trimethylbenzene	<4.4	ug/L	14.6	4.4	5		05/19/20 12:52	108-67-8	
Vinyl chloride	29.4	ug/L	5.0	0.87	5		05/19/20 12:52	75-01-4	
m&p-Xylene	<2.3	ug/L	10.0	2.3	5		05/19/20 12:52	179601-23-1	
o-Xylene	<1.3	ug/L	5.0	1.3	5		05/19/20 12:52	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	92	%	70-130		5		05/19/20 12:52	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		5		05/19/20 12:52	1868-53-7	
Toluene-d8 (S)	99	%	70-130		5		05/19/20 12:52	2037-26-5	
<b>Iron, Ferrous</b>									
Analytical Method: HACH 8146									
Pace Analytical Services - Green Bay									
Iron, Ferrous	2.2	mg/L	1.7	0.52	25		05/15/20 16:21		H6,M0
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Chloride	67.7	mg/L	10.0	2.2	5		05/15/20 11:23	16887-00-6	
Nitrate as N	<0.22	mg/L	0.75	0.22	5		05/15/20 11:23	14797-55-8	D3
Sulfate	<2.2	mg/L	10.0	2.2	5		05/15/20 11:23	14808-79-8	D3
<b>5310C TOC</b>									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	494	mg/L	75.0	20.8	150		05/19/20 23:13	7440-44-0	

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## ANALYTICAL RESULTS

Project: 8318 V&L STRIPPING

Pace Project No.: 40207818

**Sample: MW 100**      **Lab ID: 40207818011**      Collected: 05/13/20 12:00      Received: 05/15/20 08:55      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Ethane	<1.2	ug/L	5.6	1.2	1		05/26/20 10:50	74-84-0	
Ethene	2.5J	ug/L	5.0	1.2	1		05/26/20 10:50	74-85-1	
Methane	11100	ug/L	280	66.5	100		05/26/20 13:25	74-82-8	
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Green Bay									
Manganese	350	ug/L	5.1	1.5	1	05/17/20 20:14	05/18/20 05:29	7439-96-5	
<b>8260 MSV</b>									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	<24.6	ug/L	100	24.6	100		05/19/20 03:37	71-43-2	
Bromobenzene	<24.1	ug/L	100	24.1	100		05/19/20 03:37	108-86-1	
Bromochloromethane	<36.2	ug/L	500	36.2	100		05/19/20 03:37	74-97-5	
Bromodichloromethane	<36.4	ug/L	121	36.4	100		05/19/20 03:37	75-27-4	
Bromoform	<397	ug/L	1320	397	100		05/19/20 03:37	75-25-2	
Bromomethane	<97.1	ug/L	500	97.1	100		05/19/20 03:37	74-83-9	
n-Butylbenzene	<70.8	ug/L	236	70.8	100		05/19/20 03:37	104-51-8	
sec-Butylbenzene	<84.9	ug/L	500	84.9	100		05/19/20 03:37	135-98-8	
tert-Butylbenzene	<30.4	ug/L	101	30.4	100		05/19/20 03:37	98-06-6	
Carbon tetrachloride	<108	ug/L	359	108	100		05/19/20 03:37	56-23-5	
Chlorobenzene	<71.1	ug/L	237	71.1	100		05/19/20 03:37	108-90-7	
Chloroethane	<134	ug/L	500	134	100		05/19/20 03:37	75-00-3	
Chloroform	<127	ug/L	500	127	100		05/19/20 03:37	67-66-3	
Chloromethane	<219	ug/L	730	219	100		05/19/20 03:37	74-87-3	
2-Chlorotoluene	<92.6	ug/L	500	92.6	100		05/19/20 03:37	95-49-8	
4-Chlorotoluene	<75.6	ug/L	252	75.6	100		05/19/20 03:37	106-43-4	
1,2-Dibromo-3-chloropropane	<176	ug/L	588	176	100		05/19/20 03:37	96-12-8	
Dibromochloromethane	<260	ug/L	867	260	100		05/19/20 03:37	124-48-1	
1,2-Dibromoethane (EDB)	<82.9	ug/L	276	82.9	100		05/19/20 03:37	106-93-4	
Dibromomethane	<93.7	ug/L	312	93.7	100		05/19/20 03:37	74-95-3	
1,2-Dichlorobenzene	<70.5	ug/L	235	70.5	100		05/19/20 03:37	95-50-1	
1,3-Dichlorobenzene	<62.8	ug/L	209	62.8	100		05/19/20 03:37	541-73-1	
1,4-Dichlorobenzene	<94.4	ug/L	315	94.4	100		05/19/20 03:37	106-46-7	
Dichlorodifluoromethane	<50.0	ug/L	500	50.0	100		05/19/20 03:37	75-71-8	
1,1-Dichloroethane	<27.3	ug/L	100	27.3	100		05/19/20 03:37	75-34-3	
1,2-Dichloroethane	<28.0	ug/L	100	28.0	100		05/19/20 03:37	107-06-2	
1,1-Dichloroethene	<24.5	ug/L	100	24.5	100		05/19/20 03:37	75-35-4	
cis-1,2-Dichloroethene	5470	ug/L	100	27.1	100		05/19/20 03:37	156-59-2	
trans-1,2-Dichloroethene	667	ug/L	155	46.4	100		05/19/20 03:37	156-60-5	
1,2-Dichloropropane	<28.3	ug/L	100	28.3	100		05/19/20 03:37	78-87-5	
1,3-Dichloropropane	<82.6	ug/L	275	82.6	100		05/19/20 03:37	142-28-9	
2,2-Dichloropropane	<227	ug/L	755	227	100		05/19/20 03:37	594-20-7	
1,1-Dichloropropene	<54.0	ug/L	180	54.0	100		05/19/20 03:37	563-58-6	
cis-1,3-Dichloropropene	<363	ug/L	1210	363	100		05/19/20 03:37	10061-01-5	
trans-1,3-Dichloropropene	<437	ug/L	1460	437	100		05/19/20 03:37	10061-02-6	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 8318 V&L STRIPPING  
Pace Project No.: 40207818

**Sample: MW 100**      **Lab ID: 40207818011**      Collected: 05/13/20 12:00      Received: 05/15/20 08:55      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Diisopropyl ether	<189	ug/L	629	189	100		05/19/20 03:37	108-20-3	
Ethylbenzene	<31.9	ug/L	106	31.9	100		05/19/20 03:37	100-41-4	
Hexachloro-1,3-butadiene	<146	ug/L	488	146	100		05/19/20 03:37	87-68-3	
Isopropylbenzene (Cumene)	<169	ug/L	562	169	100		05/19/20 03:37	98-82-8	
p-Isopropyltoluene	<80.0	ug/L	267	80.0	100		05/19/20 03:37	99-87-6	
Methylene Chloride	<58.1	ug/L	500	58.1	100		05/19/20 03:37	75-09-2	
Methyl-tert-butyl ether	<125	ug/L	415	125	100		05/19/20 03:37	1634-04-4	
Naphthalene	<118	ug/L	500	118	100		05/19/20 03:37	91-20-3	
n-Propylbenzene	<81.1	ug/L	500	81.1	100		05/19/20 03:37	103-65-1	
Styrene	<301	ug/L	1000	301	100		05/19/20 03:37	100-42-5	
1,1,1,2-Tetrachloroethane	<26.9	ug/L	100	26.9	100		05/19/20 03:37	630-20-6	
1,1,2,2-Tetrachloroethane	<27.5	ug/L	100	27.5	100		05/19/20 03:37	79-34-5	
Tetrachloroethene	<32.6	ug/L	109	32.6	100		05/19/20 03:37	127-18-4	
Toluene	<26.9	ug/L	89.8	26.9	100		05/19/20 03:37	108-88-3	
1,2,3-Trichlorobenzene	<221	ug/L	737	221	100		05/19/20 03:37	87-61-6	
1,2,4-Trichlorobenzene	<95.1	ug/L	500	95.1	100		05/19/20 03:37	120-82-1	
1,1,1-Trichloroethane	<24.5	ug/L	100	24.5	100		05/19/20 03:37	71-55-6	
1,1,2-Trichloroethane	<55.2	ug/L	500	55.2	100		05/19/20 03:37	79-00-5	
Trichloroethene	<25.5	ug/L	100	25.5	100		05/19/20 03:37	79-01-6	
Trichlorofluoromethane	<21.5	ug/L	100	21.5	100		05/19/20 03:37	75-69-4	
1,2,3-Trichloropropane	<59.1	ug/L	500	59.1	100		05/19/20 03:37	96-18-4	
1,2,4-Trimethylbenzene	<84.1	ug/L	280	84.1	100		05/19/20 03:37	95-63-6	
1,3,5-Trimethylbenzene	<87.3	ug/L	291	87.3	100		05/19/20 03:37	108-67-8	
Vinyl chloride	<17.5	ug/L	100	17.5	100		05/19/20 03:37	75-01-4	
m&p-Xylene	<46.5	ug/L	200	46.5	100		05/19/20 03:37	179601-23-1	
o-Xylene	<26.2	ug/L	100	26.2	100		05/19/20 03:37	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	85	%	70-130		100		05/19/20 03:37	460-00-4	
Dibromofluoromethane (S)	96	%	70-130		100		05/19/20 03:37	1868-53-7	
Toluene-d8 (S)	97	%	70-130		100		05/19/20 03:37	2037-26-5	
<b>Iron, Ferrous</b>									
Analytical Method: HACH 8146									
Pace Analytical Services - Green Bay									
Iron, Ferrous	4.6	mg/L	0.34	0.10	5		05/15/20 17:00		H6
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Chloride	48.1	mg/L	10.0	2.2	5		05/15/20 11:38	16887-00-6	
Nitrate as N	<0.22	mg/L	0.75	0.22	5		05/15/20 11:38	14797-55-8	D3
Sulfate	2.7J	mg/L	10.0	2.2	5		05/15/20 11:38	14808-79-8	D3
<b>5310C TOC</b>									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	47.6	mg/L	3.0	0.83	6		05/19/20 18:22	7440-44-0	

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### ANALYTICAL RESULTS

Project: 8318 V&L STRIPPING  
Pace Project No.: 40207818

**Sample: MW 800**      **Lab ID: 40207818012**      Collected: 05/13/20 12:30      Received: 05/15/20 08:55      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>		Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay							
Ethane	<1.2	ug/L	5.6	1.2	1		05/27/20 12:03	74-84-0	
Ethene	<1.2	ug/L	5.0	1.2	1		05/27/20 12:03	74-85-1	
Methane	403	ug/L	11.2	2.7	4		05/27/20 12:16	74-82-8	
<b>6010 MET ICP</b>		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Green Bay							
Manganese	513	ug/L	5.1	1.5	1	05/17/20 20:14	05/18/20 05:36	7439-96-5	
<b>8260 MSV</b>		Analytical Method: EPA 8260 Pace Analytical Services - Green Bay							
Benzene	<6.2	ug/L	25.0	6.2	25		05/19/20 03:58	71-43-2	
Bromobenzene	<6.0	ug/L	25.0	6.0	25		05/19/20 03:58	108-86-1	
Bromochloromethane	<9.1	ug/L	125	9.1	25		05/19/20 03:58	74-97-5	
Bromodichloromethane	<9.1	ug/L	30.3	9.1	25		05/19/20 03:58	75-27-4	
Bromoform	<99.3	ug/L	331	99.3	25		05/19/20 03:58	75-25-2	
Bromomethane	<24.3	ug/L	125	24.3	25		05/19/20 03:58	74-83-9	
n-Butylbenzene	<17.7	ug/L	59.0	17.7	25		05/19/20 03:58	104-51-8	
sec-Butylbenzene	<21.2	ug/L	125	21.2	25		05/19/20 03:58	135-98-8	
tert-Butylbenzene	<7.6	ug/L	25.3	7.6	25		05/19/20 03:58	98-06-6	
Carbon tetrachloride	<26.9	ug/L	89.7	26.9	25		05/19/20 03:58	56-23-5	
Chlorobenzene	<17.8	ug/L	59.2	17.8	25		05/19/20 03:58	108-90-7	
Chloroethane	<33.6	ug/L	125	33.6	25		05/19/20 03:58	75-00-3	
Chloroform	<31.8	ug/L	125	31.8	25		05/19/20 03:58	67-66-3	
Chloromethane	<54.7	ug/L	182	54.7	25		05/19/20 03:58	74-87-3	
2-Chlorotoluene	<23.2	ug/L	125	23.2	25		05/19/20 03:58	95-49-8	
4-Chlorotoluene	<18.9	ug/L	63.0	18.9	25		05/19/20 03:58	106-43-4	
1,2-Dibromo-3-chloropropane	<44.1	ug/L	147	44.1	25		05/19/20 03:58	96-12-8	
Dibromochloromethane	<65.0	ug/L	217	65.0	25		05/19/20 03:58	124-48-1	
1,2-Dibromoethane (EDB)	<20.7	ug/L	69.1	20.7	25		05/19/20 03:58	106-93-4	
Dibromomethane	<23.4	ug/L	78.1	23.4	25		05/19/20 03:58	74-95-3	
1,2-Dichlorobenzene	<17.6	ug/L	58.8	17.6	25		05/19/20 03:58	95-50-1	
1,3-Dichlorobenzene	<15.7	ug/L	52.3	15.7	25		05/19/20 03:58	541-73-1	
1,4-Dichlorobenzene	<23.6	ug/L	78.6	23.6	25		05/19/20 03:58	106-46-7	
Dichlorodifluoromethane	<12.5	ug/L	125	12.5	25		05/19/20 03:58	75-71-8	
1,1-Dichloroethane	<6.8	ug/L	25.0	6.8	25		05/19/20 03:58	75-34-3	
1,2-Dichloroethane	<7.0	ug/L	25.0	7.0	25		05/19/20 03:58	107-06-2	
1,1-Dichloroethene	<6.1	ug/L	25.0	6.1	25		05/19/20 03:58	75-35-4	
cis-1,2-Dichloroethene	4000	ug/L	25.0	6.8	25		05/19/20 03:58	156-59-2	
trans-1,2-Dichloroethene	336	ug/L	38.7	11.6	25		05/19/20 03:58	156-60-5	
1,2-Dichloropropane	<7.1	ug/L	25.0	7.1	25		05/19/20 03:58	78-87-5	
1,3-Dichloropropane	<20.6	ug/L	68.8	20.6	25		05/19/20 03:58	142-28-9	
2,2-Dichloropropane	<56.6	ug/L	189	56.6	25		05/19/20 03:58	594-20-7	
1,1-Dichloropropene	<13.5	ug/L	45.0	13.5	25		05/19/20 03:58	563-58-6	
cis-1,3-Dichloropropene	<90.7	ug/L	302	90.7	25		05/19/20 03:58	10061-01-5	
trans-1,3-Dichloropropene	<109	ug/L	364	109	25		05/19/20 03:58	10061-02-6	

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### ANALYTICAL RESULTS

Project: 8318 V&L STRIPPING

Pace Project No.: 40207818

**Sample: MW 800**      **Lab ID: 40207818012**      Collected: 05/13/20 12:30      Received: 05/15/20 08:55      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Diisopropyl ether	<47.2	ug/L	157	47.2	25		05/19/20 03:58	108-20-3	
Ethylbenzene	<8.0	ug/L	26.6	8.0	25		05/19/20 03:58	100-41-4	
Hexachloro-1,3-butadiene	<36.6	ug/L	122	36.6	25		05/19/20 03:58	87-68-3	
Isopropylbenzene (Cumene)	<42.2	ug/L	140	42.2	25		05/19/20 03:58	98-82-8	
p-Isopropyltoluene	<20.0	ug/L	66.7	20.0	25		05/19/20 03:58	99-87-6	
Methylene Chloride	<14.5	ug/L	125	14.5	25		05/19/20 03:58	75-09-2	
Methyl-tert-butyl ether	<31.1	ug/L	104	31.1	25		05/19/20 03:58	1634-04-4	
Naphthalene	<29.4	ug/L	125	29.4	25		05/19/20 03:58	91-20-3	
n-Propylbenzene	<20.3	ug/L	125	20.3	25		05/19/20 03:58	103-65-1	
Styrene	<75.2	ug/L	251	75.2	25		05/19/20 03:58	100-42-5	
1,1,1,2-Tetrachloroethane	<6.7	ug/L	25.0	6.7	25		05/19/20 03:58	630-20-6	
1,1,2,2-Tetrachloroethane	<6.9	ug/L	25.0	6.9	25		05/19/20 03:58	79-34-5	
Tetrachloroethene	21100	ug/L	544	163	500		05/19/20 11:31	127-18-4	
Toluene	<6.7	ug/L	22.4	6.7	25		05/19/20 03:58	108-88-3	
1,2,3-Trichlorobenzene	<55.3	ug/L	184	55.3	25		05/19/20 03:58	87-61-6	
1,2,4-Trichlorobenzene	<23.8	ug/L	125	23.8	25		05/19/20 03:58	120-82-1	
1,1,1-Trichloroethane	<6.1	ug/L	25.0	6.1	25		05/19/20 03:58	71-55-6	
1,1,2-Trichloroethane	<13.8	ug/L	125	13.8	25		05/19/20 03:58	79-00-5	
Trichloroethene	5320	ug/L	25.0	6.4	25		05/19/20 03:58	79-01-6	
Trichlorofluoromethane	<5.4	ug/L	25.0	5.4	25		05/19/20 03:58	75-69-4	
1,2,3-Trichloropropane	<14.8	ug/L	125	14.8	25		05/19/20 03:58	96-18-4	
1,2,4-Trimethylbenzene	<21.0	ug/L	70.0	21.0	25		05/19/20 03:58	95-63-6	
1,3,5-Trimethylbenzene	<21.8	ug/L	72.8	21.8	25		05/19/20 03:58	108-67-8	
Vinyl chloride	4.6J	ug/L	25.0	4.4	25		05/19/20 03:58	75-01-4	
m&p-Xylene	<11.6	ug/L	50.0	11.6	25		05/19/20 03:58	179601-23-1	
o-Xylene	<6.5	ug/L	25.0	6.5	25		05/19/20 03:58	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	86	%	70-130		25		05/19/20 03:58	460-00-4	
Dibromofluoromethane (S)	97	%	70-130		25		05/19/20 03:58	1868-53-7	
Toluene-d8 (S)	99	%	70-130		25		05/19/20 03:58	2037-26-5	
<b>Iron, Ferrous</b>									
Analytical Method: HACH 8146									
Pace Analytical Services - Green Bay									
Iron, Ferrous	<0.021	mg/L	0.069	0.021	1		05/15/20 17:00		H6
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Chloride	91.1	mg/L	10.0	2.2	5		05/18/20 10:26	16887-00-6	
Nitrate as N	<0.044	mg/L	0.15	0.044	1		05/15/20 11:53	14797-55-8	
Sulfate	30.1	mg/L	2.0	0.44	1		05/15/20 11:53	14808-79-8	
<b>5310C TOC</b>									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	13.9	mg/L	3.0	0.83	6		05/19/20 18:39	7440-44-0	

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 8318 V&L STRIPPING  
Pace Project No.: 40207818

QC Batch:	355743	Analysis Method:	EPA 8015B Modified
QC Batch Method:	EPA 8015B Modified	Analysis Description:	Methane, Ethane, Ethene GCV
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40207818001, 40207818002, 40207818003, 40207818004, 40207818005, 40207818006, 40207818007, 40207818008, 40207818009, 40207818010, 40207818011

METHOD BLANK: 2058045 Matrix: Water  
Associated Lab Samples: 40207818001, 40207818002, 40207818003, 40207818004, 40207818005, 40207818006, 40207818007, 40207818008, 40207818009, 40207818010, 40207818011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethane	ug/L	<1.2	5.6	05/26/20 07:48	
Ethene	ug/L	<1.2	5.0	05/26/20 07:48	
Methane	ug/L	<0.66	2.8	05/26/20 07:48	

LABORATORY CONTROL SAMPLE & LCSD: 2058046 2058047

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Ethane	ug/L	53.6	54.5	53.9	102	101	80-120	1	20	
Ethene	ug/L	50	50.2	49.8	100	100	80-120	1	20	
Methane	ug/L	28.6	27.4	27.0	96	95	79-120	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2058048 2058049

Parameter	Units	40207767014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Ethane	ug/L	<61.2	2680	2680	2660	2770	99	103	79-120	4	20	
Ethene	ug/L	<60.0	2500	2500	2430	2510	97	100	79-120	3	20	
Methane	ug/L	5270	1430	1430	18600	22400	936	1200	10-200	18	20	E,M1

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### QUALITY CONTROL DATA

Project: 8318 V&L STRIPPING  
Pace Project No.: 40207818

QC Batch: 355882	Analysis Method: EPA 8015B Modified
QC Batch Method: EPA 8015B Modified	Analysis Description: Methane, Ethane, Ethene GCV
	Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40207818012

METHOD BLANK: 2058501 Matrix: Water

Associated Lab Samples: 40207818012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethane	ug/L	<1.2	5.6	05/27/20 07:40	
Ethene	ug/L	<1.2	5.0	05/27/20 07:40	
Methane	ug/L	<0.66	2.8	05/27/20 07:40	

LABORATORY CONTROL SAMPLE & LCSD: 2058502

2058503

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Ethane	ug/L	53.6	54.6	54.6	102	102	80-120	0	20	
Ethene	ug/L	50	50.5	50.5	101	101	80-120	0	20	
Methane	ug/L	28.6	28.0	28.0	98	98	79-120	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2058504

2058505

Parameter	Units	40207767019 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Ethane	ug/L	<1.2	53.6	53.6	49.7	51.4	93	96	79-120	3	20	
Ethene	ug/L	<1.2	50	50	45.5	46.8	91	94	79-120	3	20	
Methane	ug/L	228	28.6	28.6	531	529	1060	1050	10-200	0	20	E,M1

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### QUALITY CONTROL DATA

Project: 8318 V&L STRIPPING

Pace Project No.: 40207818

QC Batch: 355128

Analysis Method: EPA 6010

QC Batch Method: EPA 3010

Analysis Description: 6010 MET

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40207818001, 40207818002, 40207818003, 40207818004, 40207818005, 40207818006, 40207818007, 40207818008, 40207818009, 40207818010, 40207818011, 40207818012

METHOD BLANK: 2054892

Matrix: Water

Associated Lab Samples: 40207818001, 40207818002, 40207818003, 40207818004, 40207818005, 40207818006, 40207818007, 40207818008, 40207818009, 40207818010, 40207818011, 40207818012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Manganese	ug/L	<1.5	5.1	05/18/20 04:51	

LABORATORY CONTROL SAMPLE: 2054893

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Manganese	ug/L	500	490	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2054894 2054895

Parameter	Units	40207818001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Manganese	ug/L	1180	500	500	1690	1700	102	105	75-125	1	20	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 8318 V&L STRIPPING  
Pace Project No.: 40207818

QC Batch: 355158 Analysis Method: EPA 8260  
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV  
Laboratory: Pace Analytical Services - Green Bay  
Associated Lab Samples: 40207818001, 40207818002, 40207818003, 40207818004, 40207818005

METHOD BLANK: 2054966 Matrix: Water  
Associated Lab Samples: 40207818001, 40207818002, 40207818003, 40207818004, 40207818005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	05/18/20 07:45	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	05/18/20 07:45	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	05/18/20 07:45	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	05/18/20 07:45	
1,1-Dichloroethane	ug/L	<0.27	1.0	05/18/20 07:45	
1,1-Dichloroethene	ug/L	<0.24	1.0	05/18/20 07:45	
1,1-Dichloropropene	ug/L	<0.54	1.8	05/18/20 07:45	
1,2,3-Trichlorobenzene	ug/L	<2.2	7.4	05/18/20 07:45	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	05/18/20 07:45	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	05/18/20 07:45	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	05/18/20 07:45	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	05/18/20 07:45	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	05/18/20 07:45	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	05/18/20 07:45	
1,2-Dichloroethane	ug/L	<0.28	1.0	05/18/20 07:45	
1,2-Dichloropropane	ug/L	<0.28	1.0	05/18/20 07:45	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	05/18/20 07:45	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	05/18/20 07:45	
1,3-Dichloropropane	ug/L	<0.83	2.8	05/18/20 07:45	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	05/18/20 07:45	
2,2-Dichloropropane	ug/L	<2.3	7.6	05/18/20 07:45	
2-Chlorotoluene	ug/L	<0.93	5.0	05/18/20 07:45	
4-Chlorotoluene	ug/L	<0.76	2.5	05/18/20 07:45	
Benzene	ug/L	<0.25	1.0	05/18/20 07:45	
Bromobenzene	ug/L	<0.24	1.0	05/18/20 07:45	
Bromochloromethane	ug/L	<0.36	5.0	05/18/20 07:45	
Bromodichloromethane	ug/L	<0.36	1.2	05/18/20 07:45	
Bromoform	ug/L	<4.0	13.2	05/18/20 07:45	
Bromomethane	ug/L	<0.97	5.0	05/18/20 07:45	
Carbon tetrachloride	ug/L	<1.1	3.6	05/18/20 07:45	
Chlorobenzene	ug/L	<0.71	2.4	05/18/20 07:45	
Chloroethane	ug/L	<1.3	5.0	05/18/20 07:45	
Chloroform	ug/L	<1.3	5.0	05/18/20 07:45	
Chloromethane	ug/L	<2.2	7.3	05/18/20 07:45	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	05/18/20 07:45	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	05/18/20 07:45	
Dibromochloromethane	ug/L	<2.6	8.7	05/18/20 07:45	
Dibromomethane	ug/L	<0.94	3.1	05/18/20 07:45	
Dichlorodifluoromethane	ug/L	<0.50	5.0	05/18/20 07:45	
Diisopropyl ether	ug/L	<1.9	6.3	05/18/20 07:45	

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### QUALITY CONTROL DATA

Project: 8318 V&L STRIPPING  
Pace Project No.: 40207818

METHOD BLANK: 2054966 Matrix: Water  
Associated Lab Samples: 40207818001, 40207818002, 40207818003, 40207818004, 40207818005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.32	1.1	05/18/20 07:45	
Hexachloro-1,3-butadiene	ug/L	<1.5	4.9	05/18/20 07:45	
Isopropylbenzene (Cumene)	ug/L	<1.7	5.6	05/18/20 07:45	
m&p-Xylene	ug/L	<0.47	2.0	05/18/20 07:45	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	05/18/20 07:45	
Methylene Chloride	ug/L	<0.58	5.0	05/18/20 07:45	
n-Butylbenzene	ug/L	<0.71	2.4	05/18/20 07:45	
n-Propylbenzene	ug/L	<0.81	5.0	05/18/20 07:45	
Naphthalene	ug/L	<1.2	5.0	05/18/20 07:45	
o-Xylene	ug/L	<0.26	1.0	05/18/20 07:45	
p-Isopropyltoluene	ug/L	<0.80	2.7	05/18/20 07:45	
sec-Butylbenzene	ug/L	<0.85	5.0	05/18/20 07:45	
Styrene	ug/L	<3.0	10.0	05/18/20 07:45	
tert-Butylbenzene	ug/L	<0.30	1.0	05/18/20 07:45	
Tetrachloroethene	ug/L	<0.33	1.1	05/18/20 07:45	
Toluene	ug/L	<0.27	0.90	05/18/20 07:45	
trans-1,2-Dichloroethene	ug/L	<0.46	1.5	05/18/20 07:45	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	05/18/20 07:45	
Trichloroethene	ug/L	<0.26	1.0	05/18/20 07:45	
Trichlorofluoromethane	ug/L	<0.21	1.0	05/18/20 07:45	
Vinyl chloride	ug/L	<0.17	1.0	05/18/20 07:45	
4-Bromofluorobenzene (S)	%	91	70-130	05/18/20 07:45	
Dibromofluoromethane (S)	%	95	70-130	05/18/20 07:45	
Toluene-d8 (S)	%	102	70-130	05/18/20 07:45	

LABORATORY CONTROL SAMPLE: 2054967

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	45.8	92	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	55.6	111	64-131	
1,1,2-Trichloroethane	ug/L	50	49.5	99	70-130	
1,1-Dichloroethane	ug/L	50	49.1	98	69-163	
1,1-Dichloroethene	ug/L	50	40.1	80	77-123	
1,2,4-Trichlorobenzene	ug/L	50	52.5	105	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	49.3	99	63-130	
1,2-Dibromoethane (EDB)	ug/L	50	51.7	103	70-130	
1,2-Dichlorobenzene	ug/L	50	51.9	104	70-130	
1,2-Dichloroethane	ug/L	50	45.8	92	78-142	
1,2-Dichloropropane	ug/L	50	46.4	93	86-134	
1,3-Dichlorobenzene	ug/L	50	50.6	101	70-130	
1,4-Dichlorobenzene	ug/L	50	47.9	96	70-130	
Benzene	ug/L	50	45.6	91	70-130	
Bromodichloromethane	ug/L	50	45.7	91	70-130	
Bromoform	ug/L	50	42.7	85	70-130	

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### QUALITY CONTROL DATA

Project: 8318 V&L STRIPPING

Pace Project No.: 40207818

LABORATORY CONTROL SAMPLE: 2054967

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromomethane	ug/L	50	34.4	69	39-129	
Carbon tetrachloride	ug/L	50	43.2	86	70-132	
Chlorobenzene	ug/L	50	48.3	97	70-130	
Chloroethane	ug/L	50	48.7	97	66-140	
Chloroform	ug/L	50	43.6	87	75-132	
Chloromethane	ug/L	50	42.6	85	32-143	
cis-1,2-Dichloroethene	ug/L	50	44.2	88	70-130	
cis-1,3-Dichloropropene	ug/L	50	42.4	85	70-130	
Dibromochloromethane	ug/L	50	45.8	92	70-130	
Dichlorodifluoromethane	ug/L	50	42.2	84	10-141	
Ethylbenzene	ug/L	50	50.5	101	80-120	
Isopropylbenzene (Cumene)	ug/L	50	49.2	98	70-130	
m&p-Xylene	ug/L	100	98.8	99	70-130	
Methyl-tert-butyl ether	ug/L	50	47.2	94	61-129	
Methylene Chloride	ug/L	50	46.9	94	70-130	
o-Xylene	ug/L	50	47.9	96	70-130	
Styrene	ug/L	50	43.8	88	70-130	
Tetrachloroethene	ug/L	50	50.7	101	70-130	
Toluene	ug/L	50	47.8	96	80-120	
trans-1,2-Dichloroethene	ug/L	50	48.9	98	70-130	
trans-1,3-Dichloropropene	ug/L	50	41.4	83	69-130	
Trichloroethene	ug/L	50	47.9	96	70-130	
Trichlorofluoromethane	ug/L	50	51.4	103	75-145	
Vinyl chloride	ug/L	50	45.1	90	51-140	
4-Bromofluorobenzene (S)	%			96	70-130	
Dibromofluoromethane (S)	%			97	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2055048 2055049

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40207818004 Result	Spike Conc.	Spike Conc.	Conc.								
1,1,1-Trichloroethane	ug/L	<0.24	50	50	50	45.5	45.4	91	91	70-130	0	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	50	55.6	56.6	111	113	64-137	2	20	
1,1,2-Trichloroethane	ug/L	<0.55	50	50	50	50.1	51.3	100	103	70-137	2	20	
1,1-Dichloroethane	ug/L	<0.27	50	50	50	46.8	46.6	94	93	69-163	0	20	
1,1-Dichloroethene	ug/L	<0.24	50	50	50	36.0	37.1	72	74	77-129	3	20	M1
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	50	53.4	53.8	107	108	68-130	1	20	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	50	52.0	51.0	104	102	60-130	2	20	
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	50	50.6	51.7	101	103	70-130	2	20	
1,2-Dichlorobenzene	ug/L	<0.71	50	50	50	52.4	53.2	105	106	70-130	2	20	
1,2-Dichloroethane	ug/L	<0.28	50	50	50	44.5	45.3	89	91	78-145	2	20	
1,2-Dichloropropane	ug/L	<0.28	50	50	50	45.7	47.3	91	95	86-135	3	20	
1,3-Dichlorobenzene	ug/L	<0.63	50	50	50	51.5	50.6	103	101	70-130	2	20	

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### QUALITY CONTROL DATA

Project: 8318 V&L STRIPPING  
Pace Project No.: 40207818

Parameter	Units	2055048		2055049		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40207818004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
1,4-Dichlorobenzene	ug/L	<0.94	50	50	48.2	48.7	96	97	70-130	1	20	
Benzene	ug/L	<0.25	50	50	44.6	45.0	89	90	70-136	1	20	
Bromodichloromethane	ug/L	<0.36	50	50	46.5	46.6	93	93	70-130	0	20	
Bromoform	ug/L	<4.0	50	50	43.4	42.9	87	86	69-130	1	20	
Bromomethane	ug/L	<0.97	50	50	28.8	30.2	58	60	39-138	5	20	
Carbon tetrachloride	ug/L	<1.1	50	50	42.1	41.9	84	84	70-142	0	20	
Chlorobenzene	ug/L	<0.71	50	50	48.5	49.3	97	99	70-130	2	20	
Chloroethane	ug/L	<1.3	50	50	34.0	35.2	68	70	61-149	4	20	
Chloroform	ug/L	<1.3	50	50	43.5	43.4	87	87	75-133	0	20	
Chloromethane	ug/L	<2.2	50	50	23.3	23.3	47	47	32-143	0	20	
cis-1,2-Dichloroethene	ug/L	0.29J	50	50	44.3	45.0	88	90	70-130	2	20	
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	43.2	43.2	86	86	70-130	0	20	
Dibromochloromethane	ug/L	<2.6	50	50	45.6	46.0	91	92	70-130	1	20	
Dichlorodifluoromethane	ug/L	<0.50	50	50	13.6	13.9	27	28	10-141	2	20	
Ethylbenzene	ug/L	<0.32	50	50	49.5	51.0	99	102	80-120	3	20	
Isopropylbenzene (Cumene)	ug/L	<1.7	50	50	48.4	49.7	97	99	70-130	3	20	
m&p-Xylene	ug/L	<0.47	100	100	97.4	98.6	97	99	70-130	1	20	
Methyl-tert-butyl ether	ug/L	<1.2	50	50	46.5	45.5	93	91	61-136	2	20	
Methylene Chloride	ug/L	<0.58	50	50	44.3	44.0	89	88	68-137	1	20	
o-Xylene	ug/L	<0.26	50	50	46.9	47.4	94	95	70-130	1	20	
Styrene	ug/L	<3.0	50	50	42.4	43.7	85	87	70-130	3	20	
Tetrachloroethene	ug/L	0.55J	50	50	50.2	51.1	99	101	70-130	2	20	
Toluene	ug/L	<0.27	50	50	46.2	47.5	92	95	80-120	3	20	
trans-1,2-Dichloroethene	ug/L	<0.46	50	50	44.2	44.9	88	90	70-130	2	20	
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	41.5	43.7	83	87	69-130	5	20	
Trichloroethene	ug/L	0.52J	50	50	45.7	46.1	90	91	70-130	1	20	
Trichlorofluoromethane	ug/L	<0.21	50	50	40.8	40.4	82	81	74-157	1	20	
Vinyl chloride	ug/L	<0.17	50	50	30.1	30.8	60	62	51-140	2	20	
4-Bromofluorobenzene (S)	%						95	99	70-130			
Dibromofluoromethane (S)	%						100	95	70-130			
Toluene-d8 (S)	%						99	99	70-130			

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### QUALITY CONTROL DATA

Project: 8318 V&L STRIPPING  
Pace Project No.: 40207818

QC Batch: 355225 Analysis Method: EPA 8260  
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV  
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40207818011, 40207818012

METHOD BLANK: 2055219 Matrix: Water

Associated Lab Samples: 40207818011, 40207818012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	05/18/20 16:52	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	05/18/20 16:52	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	05/18/20 16:52	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	05/18/20 16:52	
1,1-Dichloroethane	ug/L	<0.27	1.0	05/18/20 16:52	
1,1-Dichloroethene	ug/L	<0.24	1.0	05/18/20 16:52	
1,1-Dichloropropene	ug/L	<0.54	1.8	05/18/20 16:52	
1,2,3-Trichlorobenzene	ug/L	<2.2	7.4	05/18/20 16:52	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	05/18/20 16:52	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	05/18/20 16:52	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	05/18/20 16:52	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	05/18/20 16:52	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	05/18/20 16:52	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	05/18/20 16:52	
1,2-Dichloroethane	ug/L	<0.28	1.0	05/18/20 16:52	
1,2-Dichloropropane	ug/L	<0.28	1.0	05/18/20 16:52	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	05/18/20 16:52	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	05/18/20 16:52	
1,3-Dichloropropane	ug/L	<0.83	2.8	05/18/20 16:52	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	05/18/20 16:52	
2,2-Dichloropropane	ug/L	<2.3	7.6	05/18/20 16:52	
2-Chlorotoluene	ug/L	<0.93	5.0	05/18/20 16:52	
4-Chlorotoluene	ug/L	<0.76	2.5	05/18/20 16:52	
Benzene	ug/L	<0.25	1.0	05/18/20 16:52	
Bromobenzene	ug/L	<0.24	1.0	05/18/20 16:52	
Bromochloromethane	ug/L	<0.36	5.0	05/18/20 16:52	
Bromodichloromethane	ug/L	<0.36	1.2	05/18/20 16:52	
Bromoform	ug/L	<4.0	13.2	05/18/20 16:52	
Bromomethane	ug/L	<0.97	5.0	05/18/20 16:52	
Carbon tetrachloride	ug/L	<1.1	3.6	05/18/20 16:52	
Chlorobenzene	ug/L	<0.71	2.4	05/18/20 16:52	
Chloroethane	ug/L	<1.3	5.0	05/18/20 16:52	
Chloroform	ug/L	<1.3	5.0	05/18/20 16:52	
Chloromethane	ug/L	<2.2	7.3	05/18/20 16:52	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	05/18/20 16:52	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	05/18/20 16:52	
Dibromochloromethane	ug/L	<2.6	8.7	05/18/20 16:52	
Dibromomethane	ug/L	<0.94	3.1	05/18/20 16:52	
Dichlorodifluoromethane	ug/L	<0.50	5.0	05/18/20 16:52	
Diisopropyl ether	ug/L	<1.9	6.3	05/18/20 16:52	

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### QUALITY CONTROL DATA

Project: 8318 V&L STRIPPING

Pace Project No.: 40207818

METHOD BLANK: 2055219

Matrix: Water

Associated Lab Samples: 40207818011, 40207818012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.32	1.1	05/18/20 16:52	
Hexachloro-1,3-butadiene	ug/L	<1.5	4.9	05/18/20 16:52	
Isopropylbenzene (Cumene)	ug/L	<1.7	5.6	05/18/20 16:52	
m&p-Xylene	ug/L	<0.47	2.0	05/18/20 16:52	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	05/18/20 16:52	
Methylene Chloride	ug/L	<0.58	5.0	05/18/20 16:52	
n-Butylbenzene	ug/L	<0.71	2.4	05/18/20 16:52	
n-Propylbenzene	ug/L	<0.81	5.0	05/18/20 16:52	
Naphthalene	ug/L	<1.2	5.0	05/18/20 16:52	
o-Xylene	ug/L	<0.26	1.0	05/18/20 16:52	
p-Isopropyltoluene	ug/L	<0.80	2.7	05/18/20 16:52	
sec-Butylbenzene	ug/L	<0.85	5.0	05/18/20 16:52	
Styrene	ug/L	<3.0	10.0	05/18/20 16:52	
tert-Butylbenzene	ug/L	<0.30	1.0	05/18/20 16:52	
Tetrachloroethene	ug/L	<0.33	1.1	05/18/20 16:52	
Toluene	ug/L	<0.27	0.90	05/18/20 16:52	
trans-1,2-Dichloroethene	ug/L	<0.46	1.5	05/18/20 16:52	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	05/18/20 16:52	
Trichloroethene	ug/L	<0.26	1.0	05/18/20 16:52	
Trichlorofluoromethane	ug/L	<0.21	1.0	05/18/20 16:52	
Vinyl chloride	ug/L	<0.17	1.0	05/18/20 16:52	
4-Bromofluorobenzene (S)	%	88	70-130	05/18/20 16:52	
Dibromofluoromethane (S)	%	95	70-130	05/18/20 16:52	
Toluene-d8 (S)	%	99	70-130	05/18/20 16:52	

LABORATORY CONTROL SAMPLE: 2055220

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	49.2	98	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	54.9	110	64-131	
1,1,2-Trichloroethane	ug/L	50	50.8	102	70-130	
1,1-Dichloroethane	ug/L	50	53.3	107	69-163	
1,1-Dichloroethene	ug/L	50	50.2	100	77-123	
1,2,4-Trichlorobenzene	ug/L	50	52.7	105	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	46.2	92	63-130	
1,2-Dibromoethane (EDB)	ug/L	50	51.8	104	70-130	
1,2-Dichlorobenzene	ug/L	50	53.0	106	70-130	
1,2-Dichloroethane	ug/L	50	46.8	94	78-142	
1,2-Dichloropropane	ug/L	50	46.0	92	86-134	
1,3-Dichlorobenzene	ug/L	50	52.1	104	70-130	
1,4-Dichlorobenzene	ug/L	50	47.8	96	70-130	
Benzene	ug/L	50	47.9	96	70-130	
Bromodichloromethane	ug/L	50	48.1	96	70-130	
Bromoform	ug/L	50	41.8	84	70-130	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 8318 V&L STRIPPING  
Pace Project No.: 40207818

LABORATORY CONTROL SAMPLE: 2055220

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromomethane	ug/L	50	38.3	77	39-129	
Carbon tetrachloride	ug/L	50	44.9	90	70-132	
Chlorobenzene	ug/L	50	51.1	102	70-130	
Chloroethane	ug/L	50	46.0	92	66-140	
Chloroform	ug/L	50	46.7	93	75-132	
Chloromethane	ug/L	50	45.4	91	32-143	
cis-1,2-Dichloroethene	ug/L	50	49.4	99	70-130	
cis-1,3-Dichloropropene	ug/L	50	42.0	84	70-130	
Dibromochloromethane	ug/L	50	47.7	95	70-130	
Dichlorodifluoromethane	ug/L	50	43.5	87	10-141	
Ethylbenzene	ug/L	50	52.3	105	80-120	
Isopropylbenzene (Cumene)	ug/L	50	51.1	102	70-130	
m&p-Xylene	ug/L	100	100	100	70-130	
Methyl-tert-butyl ether	ug/L	50	48.2	96	61-129	
Methylene Chloride	ug/L	50	50.4	101	70-130	
o-Xylene	ug/L	50	49.1	98	70-130	
Styrene	ug/L	50	44.5	89	70-130	
Tetrachloroethene	ug/L	50	52.7	105	70-130	
Toluene	ug/L	50	48.8	98	80-120	
trans-1,2-Dichloroethene	ug/L	50	50.6	101	70-130	
trans-1,3-Dichloropropene	ug/L	50	41.5	83	69-130	
Trichloroethene	ug/L	50	48.0	96	70-130	
Trichlorofluoromethane	ug/L	50	56.7	113	75-145	
Vinyl chloride	ug/L	50	50.9	102	51-140	
4-Bromofluorobenzene (S)	%			97	70-130	
Dibromofluoromethane (S)	%			98	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2055224 2055225

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40207846004	Result	Spike Conc.	Spike Conc.								
1,1,1-Trichloroethane	ug/L	<0.24	50	50	50	47.9	40.0	96	80	70-130	18	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	50	54.5	45.1	109	90	64-137	19	20	
1,1,2-Trichloroethane	ug/L	<0.55	50	50	50	50.4	40.4	101	81	70-137	22	20	R1
1,1-Dichloroethane	ug/L	0.31J	50	50	50	50.8	42.8	101	85	69-163	17	20	
1,1-Dichloroethene	ug/L	<0.24	50	50	50	48.9	39.9	98	80	77-129	20	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	50	52.3	42.1	105	84	68-130	22	20	R1
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	50	47.6	42.1	95	84	60-130	12	20	
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	50	51.3	42.1	103	84	70-130	20	20	
1,2-Dichlorobenzene	ug/L	<0.71	50	50	50	53.5	42.5	107	85	70-130	23	20	R1
1,2-Dichloroethane	ug/L	<0.28	50	50	50	46.5	38.7	93	77	78-145	18	20	M1
1,2-Dichloropropane	ug/L	<0.28	50	50	50	47.5	37.9	95	76	86-135	22	20	M1,R1
1,3-Dichlorobenzene	ug/L	<0.63	50	50	50	51.7	42.1	103	84	70-130	20	20	

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### QUALITY CONTROL DATA

Project: 8318 V&L STRIPPING  
Pace Project No.: 40207818

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2055224		2055225		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40207846004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
1,4-Dichlorobenzene	ug/L	<0.94	50	50	48.4	39.1	97	78	70-130	21	20	R1	
Benzene	ug/L	<0.25	50	50	47.0	39.5	94	79	70-136	17	20		
Bromodichloromethane	ug/L	<0.36	50	50	48.0	39.3	96	79	70-130	20	20		
Bromoform	ug/L	<4.0	50	50	43.0	35.6	86	71	69-130	19	20		
Bromomethane	ug/L	<0.97	50	50	38.0	34.0	76	68	39-138	11	20		
Carbon tetrachloride	ug/L	<1.1	50	50	44.3	37.4	89	75	70-142	17	20		
Chlorobenzene	ug/L	<0.71	50	50	50.0	41.0	100	82	70-130	20	20		
Chloroethane	ug/L	<1.3	50	50	45.5	38.2	91	76	61-149	17	20		
Chloroform	ug/L	<1.3	50	50	45.8	38.3	92	77	75-133	18	20		
Chloromethane	ug/L	<2.2	50	50	43.9	38.3	88	77	32-143	14	20		
cis-1,2-Dichloroethene	ug/L	<0.27	50	50	47.6	39.5	95	79	70-130	19	20		
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	42.4	35.2	85	70	70-130	19	20		
Dibromochloromethane	ug/L	<2.6	50	50	46.4	37.8	93	76	70-130	20	20		
Dichlorodifluoromethane	ug/L	<0.50	50	50	41.8	36.7	84	73	10-141	13	20		
Ethylbenzene	ug/L	<0.32	50	50	50.7	41.8	101	84	80-120	19	20		
Isopropylbenzene (Cumene)	ug/L	<1.7	50	50	49.1	40.0	98	80	70-130	20	20		
m&p-Xylene	ug/L	<0.47	100	100	99.0	80.2	99	80	70-130	21	20	R1	
Methyl-tert-butyl ether	ug/L	<1.2	50	50	47.2	39.8	94	80	61-136	17	20		
Methylene Chloride	ug/L	<0.58	50	50	49.2	41.7	98	83	68-137	17	20		
o-Xylene	ug/L	<0.26	50	50	47.3	38.4	95	77	70-130	21	20	R1	
Styrene	ug/L	<3.0	50	50	43.4	35.8	87	72	70-130	19	20		
Tetrachloroethene	ug/L	0.58J	50	50	50.7	42.4	100	84	70-130	18	20		
Toluene	ug/L	<0.27	50	50	48.1	39.3	96	79	80-120	20	20	M1	
trans-1,2-Dichloroethene	ug/L	<0.46	50	50	50.2	42.2	100	84	70-130	17	20		
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	41.0	34.4	82	69	69-130	18	20		
Trichloroethene	ug/L	<0.26	50	50	48.7	39.6	97	79	70-130	21	20	R1	
Trichlorofluoromethane	ug/L	<0.21	50	50	54.5	44.7	109	89	74-157	20	20		
Vinyl chloride	ug/L	<0.17	50	50	48.1	41.1	96	82	51-140	16	20		
4-Bromofluorobenzene (S)	%						94	95	70-130				
Dibromofluoromethane (S)	%						98	100	70-130				
Toluene-d8 (S)	%						98	98	70-130				

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### QUALITY CONTROL DATA

Project: 8318 V&L STRIPPING  
Pace Project No.: 40207818

QC Batch: 355285 Analysis Method: EPA 8260  
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV  
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40207818006, 40207818007, 40207818008, 40207818009, 40207818010

METHOD BLANK: 2055411 Matrix: Water  
Associated Lab Samples: 40207818006, 40207818007, 40207818008, 40207818009, 40207818010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	05/19/20 08:44	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	05/19/20 08:44	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	05/19/20 08:44	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	05/19/20 08:44	
1,1-Dichloroethane	ug/L	<0.27	1.0	05/19/20 08:44	
1,1-Dichloroethene	ug/L	<0.24	1.0	05/19/20 08:44	
1,1-Dichloropropene	ug/L	<0.54	1.8	05/19/20 08:44	
1,2,3-Trichlorobenzene	ug/L	<2.2	7.4	05/19/20 08:44	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	05/19/20 08:44	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	05/19/20 08:44	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	05/19/20 08:44	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	05/19/20 08:44	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	05/19/20 08:44	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	05/19/20 08:44	
1,2-Dichloroethane	ug/L	<0.28	1.0	05/19/20 08:44	
1,2-Dichloropropane	ug/L	<0.28	1.0	05/19/20 08:44	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	05/19/20 08:44	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	05/19/20 08:44	
1,3-Dichloropropane	ug/L	<0.83	2.8	05/19/20 08:44	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	05/19/20 08:44	
2,2-Dichloropropane	ug/L	<2.3	7.6	05/19/20 08:44	
2-Chlorotoluene	ug/L	<0.93	5.0	05/19/20 08:44	
4-Chlorotoluene	ug/L	<0.76	2.5	05/19/20 08:44	
Benzene	ug/L	<0.25	1.0	05/19/20 08:44	
Bromobenzene	ug/L	<0.24	1.0	05/19/20 08:44	
Bromochloromethane	ug/L	<0.36	5.0	05/19/20 08:44	
Bromodichloromethane	ug/L	<0.36	1.2	05/19/20 08:44	
Bromoform	ug/L	<4.0	13.2	05/19/20 08:44	
Bromomethane	ug/L	<0.97	5.0	05/19/20 08:44	
Carbon tetrachloride	ug/L	<1.1	3.6	05/19/20 08:44	
Chlorobenzene	ug/L	<0.71	2.4	05/19/20 08:44	
Chloroethane	ug/L	<1.3	5.0	05/19/20 08:44	
Chloroform	ug/L	<1.3	5.0	05/19/20 08:44	
Chloromethane	ug/L	<2.2	7.3	05/19/20 08:44	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	05/19/20 08:44	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	05/19/20 08:44	
Dibromochloromethane	ug/L	<2.6	8.7	05/19/20 08:44	
Dibromomethane	ug/L	<0.94	3.1	05/19/20 08:44	
Dichlorodifluoromethane	ug/L	<0.50	5.0	05/19/20 08:44	
Diisopropyl ether	ug/L	<1.9	6.3	05/19/20 08:44	

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### QUALITY CONTROL DATA

Project: 8318 V&L STRIPPING  
Pace Project No.: 40207818

METHOD BLANK: 2055411 Matrix: Water  
Associated Lab Samples: 40207818006, 40207818007, 40207818008, 40207818009, 40207818010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.32	1.1	05/19/20 08:44	
Hexachloro-1,3-butadiene	ug/L	<1.5	4.9	05/19/20 08:44	
Isopropylbenzene (Cumene)	ug/L	<1.7	5.6	05/19/20 08:44	
m&p-Xylene	ug/L	<0.47	2.0	05/19/20 08:44	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	05/19/20 08:44	
Methylene Chloride	ug/L	<0.58	5.0	05/19/20 08:44	
n-Butylbenzene	ug/L	<0.71	2.4	05/19/20 08:44	
n-Propylbenzene	ug/L	<0.81	5.0	05/19/20 08:44	
Naphthalene	ug/L	<1.2	5.0	05/19/20 08:44	
o-Xylene	ug/L	<0.26	1.0	05/19/20 08:44	
p-Isopropyltoluene	ug/L	<0.80	2.7	05/19/20 08:44	
sec-Butylbenzene	ug/L	<0.85	5.0	05/19/20 08:44	
Styrene	ug/L	<3.0	10.0	05/19/20 08:44	
tert-Butylbenzene	ug/L	<0.30	1.0	05/19/20 08:44	
Tetrachloroethene	ug/L	<0.33	1.1	05/19/20 08:44	
Toluene	ug/L	<0.27	0.90	05/19/20 08:44	
trans-1,2-Dichloroethene	ug/L	<0.46	1.5	05/19/20 08:44	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	05/19/20 08:44	
Trichloroethene	ug/L	<0.26	1.0	05/19/20 08:44	
Trichlorofluoromethane	ug/L	<0.21	1.0	05/19/20 08:44	
Vinyl chloride	ug/L	<0.17	1.0	05/19/20 08:44	
4-Bromofluorobenzene (S)	%	90	70-130	05/19/20 08:44	
Dibromofluoromethane (S)	%	101	70-130	05/19/20 08:44	
Toluene-d8 (S)	%	100	70-130	05/19/20 08:44	

LABORATORY CONTROL SAMPLE: 2055412

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	52.6	105	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	55.2	110	64-131	
1,1,2-Trichloroethane	ug/L	50	55.0	110	70-130	
1,1-Dichloroethane	ug/L	50	51.9	104	69-163	
1,1-Dichloroethene	ug/L	50	51.5	103	77-123	
1,2,4-Trichlorobenzene	ug/L	50	41.6	83	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	53.8	108	63-130	
1,2-Dibromoethane (EDB)	ug/L	50	53.9	108	70-130	
1,2-Dichlorobenzene	ug/L	50	50.9	102	70-130	
1,2-Dichloroethane	ug/L	50	47.0	94	78-142	
1,2-Dichloropropane	ug/L	50	53.3	107	86-134	
1,3-Dichlorobenzene	ug/L	50	50.7	101	70-130	
1,4-Dichlorobenzene	ug/L	50	51.1	102	70-130	
Benzene	ug/L	50	48.0	96	70-130	
Bromodichloromethane	ug/L	50	51.8	104	70-130	
Bromoform	ug/L	50	53.8	108	70-130	

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### QUALITY CONTROL DATA

Project: 8318 V&L STRIPPING

Pace Project No.: 40207818

LABORATORY CONTROL SAMPLE: 2055412

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromomethane	ug/L	50	23.5	47	39-129	
Carbon tetrachloride	ug/L	50	56.0	112	70-132	
Chlorobenzene	ug/L	50	53.4	107	70-130	
Chloroethane	ug/L	50	49.2	98	66-140	
Chloroform	ug/L	50	51.3	103	75-132	
Chloromethane	ug/L	50	54.3	109	32-143	
cis-1,2-Dichloroethene	ug/L	50	50.2	100	70-130	
cis-1,3-Dichloropropene	ug/L	50	51.0	102	70-130	
Dibromochloromethane	ug/L	50	52.1	104	70-130	
Dichlorodifluoromethane	ug/L	50	40.3	81	10-141	
Ethylbenzene	ug/L	50	56.0	112	80-120	
Isopropylbenzene (Cumene)	ug/L	50	57.0	114	70-130	
m&p-Xylene	ug/L	100	115	115	70-130	
Methyl-tert-butyl ether	ug/L	50	49.5	99	61-129	
Methylene Chloride	ug/L	50	50.3	101	70-130	
o-Xylene	ug/L	50	55.2	110	70-130	
Styrene	ug/L	50	57.1	114	70-130	
Tetrachloroethene	ug/L	50	51.9	104	70-130	
Toluene	ug/L	50	53.9	108	80-120	
trans-1,2-Dichloroethene	ug/L	50	51.2	102	70-130	
trans-1,3-Dichloropropene	ug/L	50	50.9	102	69-130	
Trichloroethene	ug/L	50	53.1	106	70-130	
Trichlorofluoromethane	ug/L	50	54.8	110	75-145	
Vinyl chloride	ug/L	50	48.0	96	51-140	
4-Bromofluorobenzene (S)	%			100	70-130	
Dibromofluoromethane (S)	%			98	70-130	
Toluene-d8 (S)	%			100	70-130	

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### QUALITY CONTROL DATA

Project: 8318 V&L STRIPPING  
Pace Project No.: 40207818

QC Batch:	355098	Analysis Method:	HACH 8146
QC Batch Method:	HACH 8146	Analysis Description:	Iron, Ferrous
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40207818001, 40207818002, 40207818003, 40207818004, 40207818005, 40207818006, 40207818007, 40207818008, 40207818009, 40207818010, 40207818011, 40207818012

METHOD BLANK: 2054624 Matrix: Water  
Associated Lab Samples: 40207818001, 40207818002, 40207818003, 40207818004, 40207818005, 40207818006, 40207818007, 40207818008, 40207818009, 40207818010, 40207818011, 40207818012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron, Ferrous	mg/L	<0.021	0.069	05/15/20 16:38	H6

LABORATORY CONTROL SAMPLE: 2054625

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	0.6	0.65	108	80-120	H6

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2054626 2054627

Parameter	Units	40207818001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Ferrous	mg/L	<0.10	3	3	3.4	3.4	110	110	80-120	0	20	H6

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2054628 2054629

Parameter	Units	40207818010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Ferrous	mg/L	2.2	15	15	21.0	21.2	126	126	80-120	1	20	H6,M0

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

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 8318 V&L STRIPPING  
Pace Project No.: 40207818

QC Batch:	355093	Analysis Method:	EPA 300.0
QC Batch Method:	EPA 300.0	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40207818001, 40207818002, 40207818003, 40207818004, 40207818005, 40207818006, 40207818007, 40207818008, 40207818009, 40207818010, 40207818011, 40207818012

METHOD BLANK: 2054435 Matrix: Water  
Associated Lab Samples: 40207818001, 40207818002, 40207818003, 40207818004, 40207818005, 40207818006, 40207818007, 40207818008, 40207818009, 40207818010, 40207818011, 40207818012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<0.43	2.0	05/15/20 09:54	
Nitrate as N	mg/L	<0.044	0.15	05/15/20 09:54	
Sulfate	mg/L	<0.44	2.0	05/15/20 09:54	

LABORATORY CONTROL SAMPLE: 2054436

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	20	21.0	105	90-110	
Nitrate as N	mg/L	1.5	1.6	105	90-110	
Sulfate	mg/L	20	21.0	105	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2054437 2054438

Parameter	Units	40207778004		2054438		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Chloride	mg/L	561	400	992	927	108	92	90-110	7	15	
Nitrate as N	mg/L	<0.75	7.5	8.6	8.6	107	107	90-110	0	15	
Sulfate	mg/L	25.7	100	139	139	114	113	90-110	0	15 M0	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2054439 2054440

Parameter	Units	40207818002		2054440		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Chloride	mg/L	42.0	100	151	151	109	109	90-110	0	15	
Nitrate as N	mg/L	<0.044	1.5	2.1	2.1	142	141	90-110	0	15 M0	
Sulfate	mg/L	44.2	100	153	153	109	109	90-110	0	15	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 8318 V&L STRIPPING  
Pace Project No.: 40207818

QC Batch: 355272 Analysis Method: SM 5310C  
QC Batch Method: SM 5310C Analysis Description: 5310C Total Organic Carbon  
Laboratory: Pace Analytical Services - Green Bay  
Associated Lab Samples: 40207818001, 40207818002, 40207818003, 40207818004, 40207818005, 40207818006, 40207818007, 40207818008, 40207818009, 40207818010, 40207818011, 40207818012

METHOD BLANK: 2055392 Matrix: Water  
Associated Lab Samples: 40207818001, 40207818002, 40207818003, 40207818004, 40207818005, 40207818006, 40207818007, 40207818008, 40207818009, 40207818010, 40207818011, 40207818012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	<0.14	0.50	05/19/20 12:59	

LABORATORY CONTROL SAMPLE: 2055393

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	12.5	12.6	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2055394 2055395

Parameter	Units	40207673014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	2.4	6	6	8.7	8.7	104	104	80-120	0	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2055396 2055397

Parameter	Units	40207821001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	4470 ug/L	6	6	10.9	10.8	106	105	80-120	1	10	

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## QUALIFIERS

Project: 8318 V&L STRIPPING

Pace Project No.: 40207818

---

### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### ANALYTE QUALIFIERS

- D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
- E Analyte concentration exceeded the calibration range. The reported result is estimated.
- H1 Analysis conducted outside the recognized method holding time.
- H3 Sample was received or analysis requested beyond the recognized method holding time.
- H6 Analysis initiated outside of the 15 minute EPA required holding time.
- M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
- M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
- R1 RPD value was outside control limits.

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 8318 V&L STRIPPING  
Pace Project No.: 40207818

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40207818001	TW 1400	EPA 8015B Modified	355743		
40207818002	PZ 1700	EPA 8015B Modified	355743		
40207818003	MW 1000	EPA 8015B Modified	355743		
40207818004	MW 3200	EPA 8015B Modified	355743		
40207818005	MW 2000R	EPA 8015B Modified	355743		
40207818006	MW 600R	EPA 8015B Modified	355743		
40207818007	MW 2100	EPA 8015B Modified	355743		
40207818008	MW 1500	EPA 8015B Modified	355743		
40207818009	MW 200	EPA 8015B Modified	355743		
40207818010	MW 300	EPA 8015B Modified	355743		
40207818011	MW 100	EPA 8015B Modified	355743		
40207818012	MW 800	EPA 8015B Modified	355882		
40207818001	TW 1400	EPA 3010	355128	EPA 6010	355133
40207818002	PZ 1700	EPA 3010	355128	EPA 6010	355133
40207818003	MW 1000	EPA 3010	355128	EPA 6010	355133
40207818004	MW 3200	EPA 3010	355128	EPA 6010	355133
40207818005	MW 2000R	EPA 3010	355128	EPA 6010	355133
40207818006	MW 600R	EPA 3010	355128	EPA 6010	355133
40207818007	MW 2100	EPA 3010	355128	EPA 6010	355133
40207818008	MW 1500	EPA 3010	355128	EPA 6010	355133
40207818009	MW 200	EPA 3010	355128	EPA 6010	355133
40207818010	MW 300	EPA 3010	355128	EPA 6010	355133
40207818011	MW 100	EPA 3010	355128	EPA 6010	355133
40207818012	MW 800	EPA 3010	355128	EPA 6010	355133
40207818001	TW 1400	EPA 8260	355158		
40207818002	PZ 1700	EPA 8260	355158		
40207818003	MW 1000	EPA 8260	355158		
40207818004	MW 3200	EPA 8260	355158		
40207818005	MW 2000R	EPA 8260	355158		
40207818006	MW 600R	EPA 8260	355285		
40207818007	MW 2100	EPA 8260	355285		
40207818008	MW 1500	EPA 8260	355285		
40207818009	MW 200	EPA 8260	355285		
40207818010	MW 300	EPA 8260	355285		
40207818011	MW 100	EPA 8260	355225		
40207818012	MW 800	EPA 8260	355225		
40207818001	TW 1400	HACH 8146	355098		
40207818002	PZ 1700	HACH 8146	355098		
40207818003	MW 1000	HACH 8146	355098		
40207818004	MW 3200	HACH 8146	355098		
40207818005	MW 2000R	HACH 8146	355098		
40207818006	MW 600R	HACH 8146	355098		
40207818007	MW 2100	HACH 8146	355098		
40207818008	MW 1500	HACH 8146	355098		
40207818009	MW 200	HACH 8146	355098		
40207818010	MW 300	HACH 8146	355098		

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 8318 V&L STRIPPING  
Pace Project No.: 40207818

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40207818011	MW 100	HACH 8146	355098		
40207818012	MW 800	HACH 8146	355098		
40207818001	TW 1400	EPA 300.0	355093		
40207818002	PZ 1700	EPA 300.0	355093		
40207818003	MW 1000	EPA 300.0	355093		
40207818004	MW 3200	EPA 300.0	355093		
40207818005	MW 2000R	EPA 300.0	355093		
40207818006	MW 600R	EPA 300.0	355093		
40207818007	MW 2100	EPA 300.0	355093		
40207818008	MW 1500	EPA 300.0	355093		
40207818009	MW 200	EPA 300.0	355093		
40207818010	MW 300	EPA 300.0	355093		
40207818011	MW 100	EPA 300.0	355093		
40207818012	MW 800	EPA 300.0	355093		
40207818001	TW 1400	SM 5310C	355272		
40207818002	PZ 1700	SM 5310C	355272		
40207818003	MW 1000	SM 5310C	355272		
40207818004	MW 3200	SM 5310C	355272		
40207818005	MW 2000R	SM 5310C	355272		
40207818006	MW 600R	SM 5310C	355272		
40207818007	MW 2100	SM 5310C	355272		
40207818008	MW 1500	SM 5310C	355272		
40207818009	MW 200	SM 5310C	355272		
40207818010	MW 300	SM 5310C	355272		
40207818011	MW 100	SM 5310C	355272		
40207818012	MW 800	SM 5310C	355272		

### REPORT OF LABORATORY ANALYSIS

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**Company Name:** RET  
**Branch/Location:** Law Saw  
**Project Contact:** Andy DeFoyge  
**Phone:** 715 675 9784  
**Project Number:** 8318  
**Project Name:** V9C STRIPPING  
**Project State:** WI  
**Sampled By (Print):** Paul Busker  
**Sampled By (Sign):** *[Signature]*  
**PO #:**

**Data Package Options**  
 EPA Level III  
 EPA Level IV  
 On your sample (billable)  
 NOT needed on your sample  
**Matrix Codes**  
 W = Water  
 DW = Drinking Water  
 GW = Ground Water  
 SW = Surface Water  
 WP = Waste Water  
 SI = Sludge  
 A = Air  
 B = Biota  
 C = Charcoal  
 O = Oil  
 S = Soil

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
001	TW1400	5/30	10:20	GW
002	P21700		7:00	
003	MW1000		7:30	
004	MW3200		8:00	
005	MW2000		8:30	
006	MW600		9:00	
007	MW200		9:30	
008	MW1500		10:00	
009	MW200		11:00	
010	MW300		11:30	
011	MW100		12:00	
012	MW800		12:30	

**Rush Turnaround Time Requested - Prelims**  
 (Rush TAT subject to approval/surcharge)  
**Date Needed:**  
 Transmit Prelim Rush Results by (complete what you want):  
**Email #1:**  
**Email #2:**  
**Telephone:**  
**Fax:**  
 Samples on HOLD are subject to special pricing and release of liability

# CHAIN OF CUSTODY

\*Preservation Codes  
 A=None B=HCL C=H2SO4 D=HNO3 E=D1 Water F=Methanol G=NaOH  
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Y/N	Pick Letter	ANALYSES REQUESTED
N	B	NO3, sulfate
N	J	Nitrate, sulfate
N	J	chloride, ferrous Fe
N	N	TOC
N	N	Methanol, Ethanol
N	W	ethers

Y/N	Pick Letter	ANALYSES REQUESTED
N	B	NO3, sulfate
N	J	Nitrate, sulfate
N	J	chloride, ferrous Fe
N	N	TOC
N	N	Methanol, Ethanol
N	W	ethers

**Quote #:**  
**Mail To Contact:** Andy DeFoyge  
**Mail To Company:** RET  
**Mail To Address:** 4080 N Lincoln Ave  
 SAA  
 SAA  
**Invoice To Contact:** SAA  
**Invoice To Company:** SAA  
**Invoice To Address:** SAA  
**Invoice To Phone:** SAA  
**CLIENT COMMENTS**  
**LAB COMMENTS (Lab Use Only)**  
**Profile #**

**PACE Project No.:** 40207818  
**Receipt Temp =** 60.5 °C  
**Sample Receipt pH:** 6.7 adjusted  
**Cooler Custody Seal:** Present / Not Present  
**Intact / Not Intact**

Received By:	Date/Time:
[Signature]	5/14/20 3:20 PM
Waitco	5/15/20 0855
[Signature]	5/15/20 0855
[Signature]	5/15/20 0855
[Signature]	5/15/20 0855
[Signature]	5/15/20 0855

**Relinquished By:**  
**Date/Time:**  
**Relinquished By:**  
**Date/Time:**  
**Relinquished By:**  
**Date/Time:**  
**Relinquished By:**  
**Date/Time:**

### Sample Preservation Receipt Form

Project # 4020788

Client Name: REI

Initial when completed: SMW

Date/Time: \_\_\_\_\_

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


Lab Lot# of pH paper: LOUS2791 Lab Std #ID of preservation (if pH adjusted): \_\_\_\_\_

Pace Lab #	Glass					Plastic					Vials					Jars		General		VOA Vials (>6mm) *	H2SO4 pH 52	NaOH+Zn Act pH 29	NaOH pH 212	HNO3 pH 52	pH after adjusted	Volume (mL)											
	AG1U	BG1U	AG1H	AG4S	AG4U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU								JG9U	WGFU	WPFU	SP5T	ZPLC	GN					
001																										2.5/5/10						X					
002																											2.5/5/10						X				
003																											2.5/5/10						X				
004																										2.5/5/10						X					
005																										2.5/5/10						X					
006																										2.5/5/10						X					
007																										2.5/5/10						X					
008																										2.5/5/10						X					
009																										2.5/5/10						X					
010																										2.5/5/10						X					
011																										2.5/5/10						X					
012																										2.5/5/10						X					
013																										2.5/5/10						X					
014																										2.5/5/10						X					
015																										2.5/5/10						X					
016																										2.5/5/10						X					
017																										2.5/5/10						X					
018																										2.5/5/10						X					
019																										2.5/5/10						X					
020																										2.5/5/10						X					

*Handwritten notes:*  
 SP5T  
 ZPLC


Exceptions to preservation check:  Coliform,  TOX, TOH, O&G, W/DRO, Phenolics, Other: \_\_\_\_\_

	Glass					Plastic					Vials					Jars		General		VOA Vials (>6mm) *	H2SO4 pH 52	NaOH+Zn Act pH 29	NaOH pH 212	HNO3 pH 52	pH after adjusted	Volume (mL)
AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	VG9A	40 mL clear ascorbic	JGFU	4 oz amber jar unpres																		2.5/5/10	
BG1U	1 liter clear glass	BP3U	250 mL plastic unpres	DG9T	40 mL amber Na Thio	JG9U	9 oz amber jar unpres																		2.5/5/10	
AG1H	1 liter amber glass HCL	BP3B	250 mL plastic NaOH	VG9U	40 mL clear vial unpres	WGFU	4 oz clear jar unpres																		2.5/5/10	
AG4S	125 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9H	40 mL clear vial HCL	WPFU	4 oz plastic jar unpres																		2.5/5/10	
AG4U	120 mL amber glass unpres	BP3S	250 mL plastic H2SO4	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate																		2.5/5/10	
AG5U	100 mL amber glass unpres			VG9D	40 mL clear vial DI	ZPLC	ziploc bag																		2.5/5/10	
AG2S	500 mL amber glass H2SO4					GN																			2.5/5/10	
BG3U	250 mL clear glass unpres																								2.5/5/10	

 1241 Bellevue Street, Green Bay, WI 54302	Document Name: <b>Sample Condition Upon Receipt (SCUR)</b>	Document Revised: 26Mar2020
	Document No.: <b>ENV-FRM-GBAY-0014-Rev.00</b>	Author: Pace Green Bay Quality Office

### Sample Condition Upon Receipt Form (SCUR)

**Client Name:** REI  
**Courier:**  CS Logistics  Fed Ex  Speedee  UPS  Waltco  
 Client  Pace Other: \_\_\_\_\_

Project #:  
**WO# : 40207818**  
  
 40207818

**Tracking #:** 2434660-1  
**Custody Seal on Cooler/Box Present:**  yes  no    **Seals intact:**  yes  no  
**Custody Seal on Samples Present:**  yes  no    **Seals intact:**  yes  no  
**Packing Material:**  Bubble Wrap  Bubble Bags  None  Other Paper  
**Thermometer Used:** SR-NA    **Type of Ice:** Wet Blue Dry None  Samples on ice, cooling process has begun  
**Cooler Temperature:** Uncorr: ROT /Corr: \_\_\_\_\_

**Temp Blank Present:**  yes  no    **Biological Tissue is Frozen:**  yes  no  
 Temp should be above freezing to 6°C.  
 Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

**Person examining contents:**  
 Date: 5/15/20 /Initials: SMW  
 Labeled By Initials: SMW

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.	
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2.	<u>No pg #</u>
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.	
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.	
Samples Arrived within Hold Time:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5.	<u>Per PM run past hold</u>
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:	
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	6.	
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.	
Sufficient Volume:		8.	
For Analysis:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
MS/MSD:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.	
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.	
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.	
Sample Labels match COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12.	<u>007 ID "MW 2100H"</u>
-Includes date/time/ID/Analysis Matrix:	<u>W</u>		<u>012 1 vial ID and time barely readable</u>
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	13.	<u>Poly 3 vials written in pencil</u>
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		<u>Majority of</u>
Pace Trip Blank Lot # (if purchased):	_____		<u>SMW 5/15/20</u>

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

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample logir

September 18, 2020

Andy Delforge  
REI  
4080 North 20th Avenue  
Wausau, WI 54401

RE: Project: 8318 U&L STRIPPING  
Pace Project No.: 40214184

Dear Andy Delforge:

Enclosed are the analytical results for sample(s) received by the laboratory on September 05, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Brian Basten  
brian.basten@pacelabs.com  
(920)469-2436  
Project Manager

Enclosures



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: 8318 U&L STRIPPING

Pace Project No.: 40214184

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### **Pace Analytical Services Green Bay**

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: 8318 U&L STRIPPING  
Pace Project No.: 40214184

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40214184001	TW1400	Water	09/03/20 08:40	09/05/20 08:20
40214184002	PZ1700	Water	09/03/20 08:00	09/05/20 08:20
40214184003	MW1000	Water	09/03/20 09:15	09/05/20 08:20
40214184004	MW3200	Water	09/03/20 08:20	09/05/20 08:20
40214184005	MW2000R	Water	09/03/20 10:00	09/05/20 08:20
40214184006	MW600R	Water	09/03/20 08:55	09/05/20 08:20
40214184007	MW2100	Water	09/03/20 09:30	09/05/20 08:20
40214184008	MW1500	Water	09/03/20 10:15	09/05/20 08:20
40214184009	MW200	Water	09/03/20 10:30	09/05/20 08:20
40214184010	MW300	Water	09/03/20 10:45	09/05/20 08:20
40214184011	MW100	Water	09/03/20 11:00	09/05/20 08:20
40214184012	MW800R	Water	09/03/20 11:15	09/05/20 08:20

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### SAMPLE ANALYTE COUNT

Project: 8318 U&L STRIPPING  
Pace Project No.: 40214184

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40214184001	TW1400	EPA 8260	HNW	64	PASI-G
40214184002	PZ1700	EPA 8015B Modified	ALD	3	PASI-G
		EPA 6010	TXW	1	PASI-G
		EPA 8260	HNW	64	PASI-G
		HACH 8146	DEY	1	PASI-G
		EPA 300.0	HMB	3	PASI-G
40214184003	MW1000	EPA 8015B Modified	ALD	3	PASI-G
		EPA 6010	TXW	1	PASI-G
		EPA 8260	HNW	64	PASI-G
		HACH 8146	DEY	1	PASI-G
		EPA 300.0	HMB	3	PASI-G
40214184004	MW3200	EPA 8015B Modified	ALD	3	PASI-G
		EPA 6010	TXW	1	PASI-G
		EPA 8260	HNW	64	PASI-G
		HACH 8146	DEY	1	PASI-G
		EPA 300.0	HMB	3	PASI-G
40214184005	MW2000R	EPA 8015B Modified	ALD	3	PASI-G
		EPA 6010	TXW	1	PASI-G
		EPA 8260	HNW	64	PASI-G
		HACH 8146	DEY	1	PASI-G
		EPA 300.0	HMB	3	PASI-G
40214184006	MW600R	EPA 8015B Modified	ALD	3	PASI-G
		EPA 6010	TXW	1	PASI-G
		EPA 8260	HNW	64	PASI-G
		HACH 8146	DEY	1	PASI-G
		EPA 300.0	HMB	3	PASI-G
40214184007	MW2100	EPA 8015B Modified	ALD	3	PASI-G
		EPA 6010	TXW	1	PASI-G
		EPA 8260	HNW	64	PASI-G
		HACH 8146	DEY	1	PASI-G
		EPA 300.0	HMB	3	PASI-G
40214184008	MW1500	EPA 8015B Modified	ALD	3	PASI-G
		EPA 6010	TXW	1	PASI-G
		EPA 8260	HNW	64	PASI-G
		HACH 8146	DEY	1	PASI-G
		EPA 300.0	HMB	3	PASI-G
40214184009	MW200	EPA 8260	HNW	64	PASI-G

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### SAMPLE ANALYTE COUNT

Project: 8318 U&L STRIPPING  
Pace Project No.: 40214184

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40214184010	MW300	EPA 8015B Modified	ALD	3	PASI-G
		EPA 8260	HNW	64	PASI-G
40214184011	MW100	EPA 8015B Modified	ALD	3	PASI-G
		EPA 6010	TXW	1	PASI-G
		EPA 8260	HNW	64	PASI-G
		HACH 8146	DEY	1	PASI-G
		EPA 300.0	HMB	3	PASI-G
40214184012	MW800R	EPA 8015B Modified	ALD	3	PASI-G
		EPA 6010	TXW	1	PASI-G
		EPA 8260	HNW	64	PASI-G
		HACH 8146	DEY	1	PASI-G
		EPA 300.0	HMB	3	PASI-G

PASI-G = Pace Analytical Services - Green Bay

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 8318 U&L STRIPPING

Pace Project No.: 40214184

**Sample: TW1400**      **Lab ID: 40214184001**      Collected: 09/03/20 08:40      Received: 09/05/20 08:20      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.99	ug/L	4.0	0.99	4		09/10/20 11:00	71-43-2	
Bromobenzene	<0.96	ug/L	4.0	0.96	4		09/10/20 11:00	108-86-1	
Bromochloromethane	<1.4	ug/L	20.0	1.4	4		09/10/20 11:00	74-97-5	
Bromodichloromethane	<1.5	ug/L	4.8	1.5	4		09/10/20 11:00	75-27-4	
Bromoform	<15.9	ug/L	53.0	15.9	4		09/10/20 11:00	75-25-2	
Bromomethane	<3.9	ug/L	20.0	3.9	4		09/10/20 11:00	74-83-9	
n-Butylbenzene	<2.8	ug/L	9.4	2.8	4		09/10/20 11:00	104-51-8	
sec-Butylbenzene	<3.4	ug/L	20.0	3.4	4		09/10/20 11:00	135-98-8	
tert-Butylbenzene	<1.2	ug/L	4.1	1.2	4		09/10/20 11:00	98-06-6	
Carbon tetrachloride	<4.3	ug/L	14.4	4.3	4		09/10/20 11:00	56-23-5	
Chlorobenzene	<2.8	ug/L	9.5	2.8	4		09/10/20 11:00	108-90-7	
Chloroethane	<5.4	ug/L	20.0	5.4	4		09/10/20 11:00	75-00-3	
Chloroform	<5.1	ug/L	20.0	5.1	4		09/10/20 11:00	67-66-3	
Chloromethane	<8.8	ug/L	29.2	8.8	4		09/10/20 11:00	74-87-3	
2-Chlorotoluene	<3.7	ug/L	20.0	3.7	4		09/10/20 11:00	95-49-8	
4-Chlorotoluene	<3.0	ug/L	10.1	3.0	4		09/10/20 11:00	106-43-4	
1,2-Dibromo-3-chloropropane	<7.1	ug/L	23.5	7.1	4		09/10/20 11:00	96-12-8	
Dibromochloromethane	<10.4	ug/L	34.7	10.4	4		09/10/20 11:00	124-48-1	
1,2-Dibromoethane (EDB)	<3.3	ug/L	11.1	3.3	4		09/10/20 11:00	106-93-4	
Dibromomethane	<3.7	ug/L	12.5	3.7	4		09/10/20 11:00	74-95-3	
1,2-Dichlorobenzene	<2.8	ug/L	9.4	2.8	4		09/10/20 11:00	95-50-1	
1,3-Dichlorobenzene	<2.5	ug/L	8.4	2.5	4		09/10/20 11:00	541-73-1	
1,4-Dichlorobenzene	<3.8	ug/L	12.6	3.8	4		09/10/20 11:00	106-46-7	
Dichlorodifluoromethane	<2.0	ug/L	20.0	2.0	4		09/10/20 11:00	75-71-8	
1,1-Dichloroethane	<1.1	ug/L	4.0	1.1	4		09/10/20 11:00	75-34-3	
1,2-Dichloroethane	<1.1	ug/L	4.0	1.1	4		09/10/20 11:00	107-06-2	
1,1-Dichloroethene	<0.98	ug/L	4.0	0.98	4		09/10/20 11:00	75-35-4	
cis-1,2-Dichloroethene	184	ug/L	4.0	1.1	4		09/10/20 11:00	156-59-2	
trans-1,2-Dichloroethene	26.9	ug/L	6.2	1.9	4		09/10/20 11:00	156-60-5	
1,2-Dichloropropane	<1.1	ug/L	4.0	1.1	4		09/10/20 11:00	78-87-5	
1,3-Dichloropropane	<3.3	ug/L	11.0	3.3	4		09/10/20 11:00	142-28-9	
2,2-Dichloropropane	<9.1	ug/L	30.2	9.1	4		09/10/20 11:00	594-20-7	
1,1-Dichloropropene	<2.2	ug/L	7.2	2.2	4		09/10/20 11:00	563-58-6	
cis-1,3-Dichloropropene	<14.5	ug/L	48.4	14.5	4		09/10/20 11:00	10061-01-5	
trans-1,3-Dichloropropene	<17.5	ug/L	58.3	17.5	4		09/10/20 11:00	10061-02-6	
Diisopropyl ether	<7.6	ug/L	25.2	7.6	4		09/10/20 11:00	108-20-3	
Ethylbenzene	<1.3	ug/L	4.2	1.3	4		09/10/20 11:00	100-41-4	
Hexachloro-1,3-butadiene	<5.9	ug/L	19.5	5.9	4		09/10/20 11:00	87-68-3	
Isopropylbenzene (Cumene)	<6.7	ug/L	22.5	6.7	4		09/10/20 11:00	98-82-8	
p-Isopropyltoluene	<3.2	ug/L	10.7	3.2	4		09/10/20 11:00	99-87-6	
Methylene Chloride	<2.3	ug/L	20.0	2.3	4		09/10/20 11:00	75-09-2	
Methyl-tert-butyl ether	<5.0	ug/L	16.6	5.0	4		09/10/20 11:00	1634-04-4	
Naphthalene	<4.7	ug/L	20.0	4.7	4		09/10/20 11:00	91-20-3	
n-Propylbenzene	<3.2	ug/L	20.0	3.2	4		09/10/20 11:00	103-65-1	
Styrene	<12.0	ug/L	40.1	12.0	4		09/10/20 11:00	100-42-5	

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 8318 U&L STRIPPING

Pace Project No.: 40214184

**Sample: TW1400**      **Lab ID: 40214184001**      Collected: 09/03/20 08:40      Received: 09/05/20 08:20      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<1.1	ug/L	4.0	1.1	4		09/10/20 11:00	630-20-6	
1,1,2,2-Tetrachloroethane	<1.1	ug/L	4.0	1.1	4		09/10/20 11:00	79-34-5	
Tetrachloroethene	161	ug/L	4.4	1.3	4		09/10/20 11:00	127-18-4	
Toluene	<1.1	ug/L	4.0	1.1	4		09/10/20 11:00	108-88-3	
1,2,3-Trichlorobenzene	<8.8	ug/L	29.5	8.8	4		09/10/20 11:00	87-61-6	
1,2,4-Trichlorobenzene	<3.8	ug/L	20.0	3.8	4		09/10/20 11:00	120-82-1	
1,1,1-Trichloroethane	<0.98	ug/L	4.0	0.98	4		09/10/20 11:00	71-55-6	
1,1,2-Trichloroethane	<2.2	ug/L	20.0	2.2	4		09/10/20 11:00	79-00-5	
Trichloroethene	17.5	ug/L	4.0	1.0	4		09/10/20 11:00	79-01-6	
Trichlorofluoromethane	<0.86	ug/L	4.0	0.86	4		09/10/20 11:00	75-69-4	
1,2,3-Trichloropropane	<2.4	ug/L	20.0	2.4	4		09/10/20 11:00	96-18-4	
1,2,4-Trimethylbenzene	<3.4	ug/L	11.2	3.4	4		09/10/20 11:00	95-63-6	
1,3,5-Trimethylbenzene	<3.5	ug/L	11.6	3.5	4		09/10/20 11:00	108-67-8	
Vinyl chloride	<0.70	ug/L	4.0	0.70	4		09/10/20 11:00	75-01-4	
m&p-Xylene	<1.9	ug/L	8.0	1.9	4		09/10/20 11:00	179601-23-1	
o-Xylene	<1.0	ug/L	4.0	1.0	4		09/10/20 11:00	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	100	%	70-130		4		09/10/20 11:00	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		4		09/10/20 11:00	1868-53-7	
Toluene-d8 (S)	100	%	70-130		4		09/10/20 11:00	2037-26-5	

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## ANALYTICAL RESULTS

Project: 8318 U&L STRIPPING

Pace Project No.: 40214184

**Sample: PZ1700**      **Lab ID: 40214184002**      Collected: 09/03/20 08:00      Received: 09/05/20 08:20      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Ethane	<1.2	ug/L	5.6	1.2	1		09/15/20 09:30	74-84-0	
Ethene	<1.2	ug/L	5.0	1.2	1		09/15/20 09:30	74-85-1	
Methane	1290	ug/L	56.0	13.3	20		09/15/20 14:59	74-82-8	
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Green Bay									
Manganese	15.5	ug/L	5.1	1.5	1	09/09/20 06:08	09/09/20 18:18	7439-96-5	
<b>8260 MSV</b>									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		09/10/20 09:08	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		09/10/20 09:08	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		09/10/20 09:08	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		09/10/20 09:08	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		09/10/20 09:08	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		09/10/20 09:08	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		09/10/20 09:08	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		09/10/20 09:08	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		09/10/20 09:08	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		09/10/20 09:08	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		09/10/20 09:08	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		09/10/20 09:08	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		09/10/20 09:08	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		09/10/20 09:08	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		09/10/20 09:08	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		09/10/20 09:08	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		09/10/20 09:08	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		09/10/20 09:08	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		09/10/20 09:08	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		09/10/20 09:08	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		09/10/20 09:08	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		09/10/20 09:08	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		09/10/20 09:08	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		09/10/20 09:08	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		09/10/20 09:08	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		09/10/20 09:08	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		09/10/20 09:08	75-35-4	
cis-1,2-Dichloroethene	0.89J	ug/L	1.0	0.27	1		09/10/20 09:08	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		09/10/20 09:08	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		09/10/20 09:08	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		09/10/20 09:08	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		09/10/20 09:08	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		09/10/20 09:08	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		09/10/20 09:08	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		09/10/20 09:08	10061-02-6	

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### ANALYTICAL RESULTS

Project: 8318 U&L STRIPPING

Pace Project No.: 40214184

**Sample: PZ1700**      **Lab ID: 40214184002**      Collected: 09/03/20 08:00      Received: 09/05/20 08:20      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		09/10/20 09:08	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		09/10/20 09:08	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		09/10/20 09:08	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		09/10/20 09:08	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		09/10/20 09:08	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		09/10/20 09:08	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		09/10/20 09:08	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		09/10/20 09:08	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		09/10/20 09:08	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		09/10/20 09:08	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		09/10/20 09:08	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		09/10/20 09:08	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		09/10/20 09:08	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		09/10/20 09:08	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		09/10/20 09:08	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		09/10/20 09:08	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		09/10/20 09:08	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		09/10/20 09:08	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		09/10/20 09:08	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		09/10/20 09:08	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		09/10/20 09:08	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		09/10/20 09:08	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		09/10/20 09:08	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		09/10/20 09:08	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		09/10/20 09:08	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		09/10/20 09:08	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99	%	70-130		1		09/10/20 09:08	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		09/10/20 09:08	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		09/10/20 09:08	2037-26-5	
<b>Iron, Ferrous</b>									
Analytical Method: HACH 8146									
Pace Analytical Services - Green Bay									
Iron, Ferrous	<0.021	mg/L	0.069	0.021	1		09/10/20 15:57		H6
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Chloride	2.8	mg/L	2.0	0.43	1		09/08/20 22:02	16887-00-6	
Nitrate as N	<0.044	mg/L	0.15	0.044	1		09/08/20 22:02	14797-55-8	H3
Sulfate	0.48J	mg/L	2.0	0.44	1		09/08/20 22:02	14808-79-8	

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## ANALYTICAL RESULTS

Project: 8318 U&L STRIPPING

Pace Project No.: 40214184

**Sample: MW1000**      **Lab ID: 40214184003**      Collected: 09/03/20 09:15      Received: 09/05/20 08:20      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Ethane	<1.2	ug/L	5.6	1.2	1		09/15/20 09:36	74-84-0	
Ethene	<1.2	ug/L	5.0	1.2	1		09/15/20 09:36	74-85-1	
Methane	1.0J	ug/L	2.8	0.66	1		09/15/20 09:36	74-82-8	
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010      Preparation Method: EPA 3010 Pace Analytical Services - Green Bay									
Manganese	11000	ug/L	5.1	1.5	1	09/09/20 06:08	09/09/20 18:20	7439-96-5	
<b>8260 MSV</b>									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		09/11/20 11:16	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		09/11/20 11:16	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		09/11/20 11:16	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		09/11/20 11:16	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		09/11/20 11:16	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		09/11/20 11:16	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		09/11/20 11:16	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		09/11/20 11:16	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		09/11/20 11:16	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		09/11/20 11:16	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		09/11/20 11:16	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		09/11/20 11:16	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		09/11/20 11:16	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		09/11/20 11:16	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		09/11/20 11:16	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		09/11/20 11:16	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		09/11/20 11:16	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		09/11/20 11:16	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		09/11/20 11:16	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		09/11/20 11:16	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		09/11/20 11:16	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		09/11/20 11:16	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		09/11/20 11:16	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		09/11/20 11:16	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		09/11/20 11:16	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		09/11/20 11:16	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		09/11/20 11:16	75-35-4	
cis-1,2-Dichloroethene	0.33J	ug/L	1.0	0.27	1		09/11/20 11:16	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		09/11/20 11:16	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		09/11/20 11:16	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		09/11/20 11:16	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		09/11/20 11:16	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		09/11/20 11:16	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		09/11/20 11:16	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		09/11/20 11:16	10061-02-6	

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### ANALYTICAL RESULTS

Project: 8318 U&L STRIPPING  
Pace Project No.: 40214184

**Sample: MW1000**      **Lab ID: 40214184003**      Collected: 09/03/20 09:15      Received: 09/05/20 08:20      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		09/11/20 11:16	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		09/11/20 11:16	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		09/11/20 11:16	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		09/11/20 11:16	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		09/11/20 11:16	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		09/11/20 11:16	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		09/11/20 11:16	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		09/11/20 11:16	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		09/11/20 11:16	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		09/11/20 11:16	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		09/11/20 11:16	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		09/11/20 11:16	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		09/11/20 11:16	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		09/11/20 11:16	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		09/11/20 11:16	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		09/11/20 11:16	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		09/11/20 11:16	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		09/11/20 11:16	79-00-5	
Trichloroethene	0.47J	ug/L	1.0	0.26	1		09/11/20 11:16	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		09/11/20 11:16	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		09/11/20 11:16	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		09/11/20 11:16	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		09/11/20 11:16	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		09/11/20 11:16	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		09/11/20 11:16	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		09/11/20 11:16	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	101	%	70-130		1		09/11/20 11:16	460-00-4	
Dibromofluoromethane (S)	106	%	70-130		1		09/11/20 11:16	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		09/11/20 11:16	2037-26-5	
<b>Iron, Ferrous</b>									
Analytical Method: HACH 8146									
Pace Analytical Services - Green Bay									
Iron, Ferrous	<0.021	mg/L	0.069	0.021	1		09/10/20 16:04		H6
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Chloride	94.3	mg/L	10.0	2.2	5		09/08/20 22:45	16887-00-6	
Nitrate as N	0.42J	mg/L	0.75	0.22	5		09/08/20 22:45	14797-55-8	D3,H1
Sulfate	54.4	mg/L	10.0	2.2	5		09/08/20 22:45	14808-79-8	

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## ANALYTICAL RESULTS

Project: 8318 U&L STRIPPING  
Pace Project No.: 40214184

**Sample: MW3200**      **Lab ID: 40214184004**      Collected: 09/03/20 08:20      Received: 09/05/20 08:20      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Ethane	<1.2	ug/L	5.6	1.2	1		09/15/20 09:43	74-84-0	
Ethene	<1.2	ug/L	5.0	1.2	1		09/15/20 09:43	74-85-1	
Methane	48.8	ug/L	2.8	0.66	1		09/15/20 09:43	74-82-8	
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010    Preparation Method: EPA 3010 Pace Analytical Services - Green Bay									
Manganese	138	ug/L	5.1	1.5	1	09/09/20 06:08	09/09/20 18:23	7439-96-5	
<b>8260 MSV</b>									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		09/11/20 11:39	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		09/11/20 11:39	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		09/11/20 11:39	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		09/11/20 11:39	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		09/11/20 11:39	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		09/11/20 11:39	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		09/11/20 11:39	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		09/11/20 11:39	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		09/11/20 11:39	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		09/11/20 11:39	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		09/11/20 11:39	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		09/11/20 11:39	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		09/11/20 11:39	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		09/11/20 11:39	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		09/11/20 11:39	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		09/11/20 11:39	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		09/11/20 11:39	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		09/11/20 11:39	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		09/11/20 11:39	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		09/11/20 11:39	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		09/11/20 11:39	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		09/11/20 11:39	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		09/11/20 11:39	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		09/11/20 11:39	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		09/11/20 11:39	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		09/11/20 11:39	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		09/11/20 11:39	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		09/11/20 11:39	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		09/11/20 11:39	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		09/11/20 11:39	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		09/11/20 11:39	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		09/11/20 11:39	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		09/11/20 11:39	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		09/11/20 11:39	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		09/11/20 11:39	10061-02-6	

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### ANALYTICAL RESULTS

Project: 8318 U&L STRIPPING

Pace Project No.: 40214184

Sample: **MW3200** Lab ID: **40214184004** Collected: 09/03/20 08:20 Received: 09/05/20 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		09/11/20 11:39	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		09/11/20 11:39	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		09/11/20 11:39	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		09/11/20 11:39	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		09/11/20 11:39	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		09/11/20 11:39	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		09/11/20 11:39	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		09/11/20 11:39	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		09/11/20 11:39	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		09/11/20 11:39	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		09/11/20 11:39	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		09/11/20 11:39	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		09/11/20 11:39	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		09/11/20 11:39	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		09/11/20 11:39	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		09/11/20 11:39	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		09/11/20 11:39	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		09/11/20 11:39	79-00-5	
Trichloroethene	0.69J	ug/L	1.0	0.26	1		09/11/20 11:39	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		09/11/20 11:39	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		09/11/20 11:39	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		09/11/20 11:39	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		09/11/20 11:39	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		09/11/20 11:39	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		09/11/20 11:39	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		09/11/20 11:39	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	100	%	70-130		1		09/11/20 11:39	460-00-4	
Dibromofluoromethane (S)	105	%	70-130		1		09/11/20 11:39	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		09/11/20 11:39	2037-26-5	
<b>Iron, Ferrous</b>									
Analytical Method: HACH 8146									
Pace Analytical Services - Green Bay									
Iron, Ferrous	<0.021	mg/L	0.069	0.021	1		09/10/20 16:04		H6
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Chloride	58.8	mg/L	10.0	2.2	5		09/08/20 22:59	16887-00-6	
Nitrate as N	<0.22	mg/L	0.75	0.22	5		09/08/20 22:59	14797-55-8	D3,H1
Sulfate	72.9	mg/L	10.0	2.2	5		09/08/20 22:59	14808-79-8	

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## ANALYTICAL RESULTS

Project: 8318 U&L STRIPPING  
Pace Project No.: 40214184

**Sample: MW2000R**      **Lab ID: 40214184005**      Collected: 09/03/20 10:00      Received: 09/05/20 08:20      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Ethane	<1.2	ug/L	5.6	1.2	1		09/15/20 09:50	74-84-0	
Ethene	<1.2	ug/L	5.0	1.2	1		09/15/20 09:50	74-85-1	
Methane	1310	ug/L	56.0	13.3	20		09/15/20 14:51	74-82-8	
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Green Bay									
Manganese	137	ug/L	5.1	1.5	1	09/09/20 06:08	09/09/20 18:25	7439-96-5	
<b>8260 MSV</b>									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		09/10/20 13:38	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		09/10/20 13:38	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		09/10/20 13:38	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		09/10/20 13:38	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		09/10/20 13:38	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		09/10/20 13:38	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		09/10/20 13:38	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		09/10/20 13:38	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		09/10/20 13:38	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		09/10/20 13:38	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		09/10/20 13:38	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		09/10/20 13:38	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		09/10/20 13:38	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		09/10/20 13:38	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		09/10/20 13:38	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		09/10/20 13:38	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		09/10/20 13:38	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		09/10/20 13:38	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		09/10/20 13:38	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		09/10/20 13:38	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		09/10/20 13:38	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		09/10/20 13:38	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		09/10/20 13:38	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		09/10/20 13:38	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		09/10/20 13:38	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		09/10/20 13:38	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		09/10/20 13:38	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		09/10/20 13:38	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		09/10/20 13:38	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		09/10/20 13:38	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		09/10/20 13:38	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		09/10/20 13:38	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		09/10/20 13:38	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		09/10/20 13:38	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		09/10/20 13:38	10061-02-6	

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### ANALYTICAL RESULTS

Project: 8318 U&L STRIPPING  
Pace Project No.: 40214184

**Sample: MW2000R**      **Lab ID: 40214184005**      Collected: 09/03/20 10:00      Received: 09/05/20 08:20      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		09/10/20 13:38	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		09/10/20 13:38	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		09/10/20 13:38	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		09/10/20 13:38	98-82-8	
p-Isopropyltoluene	3.7	ug/L	2.7	0.80	1		09/10/20 13:38	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		09/10/20 13:38	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		09/10/20 13:38	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		09/10/20 13:38	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		09/10/20 13:38	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		09/10/20 13:38	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		09/10/20 13:38	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		09/10/20 13:38	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		09/10/20 13:38	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		09/10/20 13:38	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		09/10/20 13:38	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		09/10/20 13:38	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		09/10/20 13:38	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		09/10/20 13:38	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		09/10/20 13:38	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		09/10/20 13:38	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		09/10/20 13:38	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		09/10/20 13:38	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		09/10/20 13:38	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		09/10/20 13:38	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		09/10/20 13:38	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		09/10/20 13:38	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	101	%	70-130		1		09/10/20 13:38	460-00-4	
Dibromofluoromethane (S)	105	%	70-130		1		09/10/20 13:38	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		09/10/20 13:38	2037-26-5	
<b>Iron, Ferrous</b>									
Analytical Method: HACH 8146									
Pace Analytical Services - Green Bay									
Iron, Ferrous	<0.021	mg/L	0.069	0.021	1		09/10/20 16:04		H6
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Chloride	33.6	mg/L	10.0	2.2	5		09/08/20 23:14	16887-00-6	
Nitrate as N	<0.22	mg/L	0.75	0.22	5		09/08/20 23:14	14797-55-8	D3,H1
Sulfate	22.7	mg/L	10.0	2.2	5		09/08/20 23:14	14808-79-8	

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## ANALYTICAL RESULTS

Project: 8318 U&L STRIPPING

Pace Project No.: 40214184

**Sample: MW600R**      **Lab ID: 40214184006**      Collected: 09/03/20 08:55      Received: 09/05/20 08:20      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>		Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay							
Ethane	3.7J	ug/L	5.6	1.2	1		09/15/20 09:57	74-84-0	
Ethene	<1.2	ug/L	5.0	1.2	1		09/15/20 09:57	74-85-1	
Methane	2600	ug/L	28.0	6.6	10		09/15/20 13:23	74-82-8	
<b>6010 MET ICP</b>		Analytical Method: EPA 6010      Preparation Method: EPA 3010 Pace Analytical Services - Green Bay							
Manganese	920	ug/L	5.1	1.5	1	09/09/20 06:08	09/09/20 18:28	7439-96-5	
<b>8260 MSV</b>		Analytical Method: EPA 8260 Pace Analytical Services - Green Bay							
Benzene	0.51J	ug/L	1.0	0.25	1		09/10/20 14:00	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		09/10/20 14:00	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		09/10/20 14:00	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		09/10/20 14:00	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		09/10/20 14:00	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		09/10/20 14:00	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		09/10/20 14:00	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		09/10/20 14:00	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		09/10/20 14:00	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		09/10/20 14:00	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		09/10/20 14:00	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		09/10/20 14:00	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		09/10/20 14:00	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		09/10/20 14:00	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		09/10/20 14:00	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		09/10/20 14:00	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		09/10/20 14:00	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		09/10/20 14:00	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		09/10/20 14:00	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		09/10/20 14:00	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		09/10/20 14:00	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		09/10/20 14:00	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		09/10/20 14:00	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		09/10/20 14:00	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		09/10/20 14:00	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		09/10/20 14:00	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		09/10/20 14:00	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		09/10/20 14:00	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		09/10/20 14:00	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		09/10/20 14:00	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		09/10/20 14:00	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		09/10/20 14:00	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		09/10/20 14:00	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		09/10/20 14:00	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		09/10/20 14:00	10061-02-6	

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### ANALYTICAL RESULTS

Project: 8318 U&L STRIPPING  
Pace Project No.: 40214184

**Sample: MW600R**      **Lab ID: 40214184006**      Collected: 09/03/20 08:55      Received: 09/05/20 08:20      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		09/10/20 14:00	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		09/10/20 14:00	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		09/10/20 14:00	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		09/10/20 14:00	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		09/10/20 14:00	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		09/10/20 14:00	75-09-2	
Methyl-tert-butyl ether	128	ug/L	4.2	1.2	1		09/10/20 14:00	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		09/10/20 14:00	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		09/10/20 14:00	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		09/10/20 14:00	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		09/10/20 14:00	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		09/10/20 14:00	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		09/10/20 14:00	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		09/10/20 14:00	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		09/10/20 14:00	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		09/10/20 14:00	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		09/10/20 14:00	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		09/10/20 14:00	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		09/10/20 14:00	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		09/10/20 14:00	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		09/10/20 14:00	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		09/10/20 14:00	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		09/10/20 14:00	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		09/10/20 14:00	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		09/10/20 14:00	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		09/10/20 14:00	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99	%	70-130		1		09/10/20 14:00	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		09/10/20 14:00	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		09/10/20 14:00	2037-26-5	
<b>Iron, Ferrous</b>									
Analytical Method: HACH 8146									
Pace Analytical Services - Green Bay									
Iron, Ferrous	<0.021	mg/L	0.069	0.021	1		09/10/20 16:06		H6
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Chloride	469	mg/L	40.0	8.6	20		09/09/20 12:46	16887-00-6	
Nitrate as N	<0.22	mg/L	0.75	0.22	5		09/09/20 00:11	14797-55-8	D3,H1
Sulfate	265	mg/L	10.0	2.2	5		09/09/20 00:11	14808-79-8	

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### ANALYTICAL RESULTS

Project: 8318 U&L STRIPPING  
Pace Project No.: 40214184

**Sample: MW2100**      **Lab ID: 40214184007**      Collected: 09/03/20 09:30      Received: 09/05/20 08:20      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>		Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay							
Ethane	<1.2	ug/L	5.6	1.2	1		09/15/20 10:04	74-84-0	
Ethene	<1.2	ug/L	5.0	1.2	1		09/15/20 10:04	74-85-1	
Methane	107	ug/L	2.8	0.66	1		09/15/20 10:04	74-82-8	
<b>6010 MET ICP</b>		Analytical Method: EPA 6010      Preparation Method: EPA 3010 Pace Analytical Services - Green Bay							
Manganese	225	ug/L	5.1	1.5	1	09/09/20 06:08	09/09/20 18:30	7439-96-5	
<b>8260 MSV</b>		Analytical Method: EPA 8260 Pace Analytical Services - Green Bay							
Benzene	<0.25	ug/L	1.0	0.25	1		09/10/20 09:30	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		09/10/20 09:30	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		09/10/20 09:30	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		09/10/20 09:30	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		09/10/20 09:30	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		09/10/20 09:30	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		09/10/20 09:30	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		09/10/20 09:30	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		09/10/20 09:30	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		09/10/20 09:30	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		09/10/20 09:30	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		09/10/20 09:30	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		09/10/20 09:30	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		09/10/20 09:30	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		09/10/20 09:30	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		09/10/20 09:30	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		09/10/20 09:30	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		09/10/20 09:30	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		09/10/20 09:30	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		09/10/20 09:30	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		09/10/20 09:30	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		09/10/20 09:30	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		09/10/20 09:30	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		09/10/20 09:30	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		09/10/20 09:30	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		09/10/20 09:30	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		09/10/20 09:30	75-35-4	
cis-1,2-Dichloroethene	126	ug/L	1.0	0.27	1		09/10/20 09:30	156-59-2	
trans-1,2-Dichloroethene	6.0	ug/L	1.5	0.46	1		09/10/20 09:30	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		09/10/20 09:30	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		09/10/20 09:30	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		09/10/20 09:30	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		09/10/20 09:30	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		09/10/20 09:30	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		09/10/20 09:30	10061-02-6	

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### ANALYTICAL RESULTS

Project: 8318 U&L STRIPPING  
Pace Project No.: 40214184

**Sample: MW2100**      **Lab ID: 40214184007**      Collected: 09/03/20 09:30      Received: 09/05/20 08:20      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		09/10/20 09:30	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		09/10/20 09:30	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		09/10/20 09:30	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		09/10/20 09:30	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		09/10/20 09:30	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		09/10/20 09:30	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		09/10/20 09:30	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		09/10/20 09:30	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		09/10/20 09:30	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		09/10/20 09:30	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		09/10/20 09:30	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		09/10/20 09:30	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		09/10/20 09:30	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		09/10/20 09:30	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		09/10/20 09:30	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		09/10/20 09:30	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		09/10/20 09:30	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		09/10/20 09:30	79-00-5	
Trichloroethene	0.52J	ug/L	1.0	0.26	1		09/10/20 09:30	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		09/10/20 09:30	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		09/10/20 09:30	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		09/10/20 09:30	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		09/10/20 09:30	108-67-8	
Vinyl chloride	0.90J	ug/L	1.0	0.17	1		09/10/20 09:30	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		09/10/20 09:30	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		09/10/20 09:30	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	100	%	70-130		1		09/10/20 09:30	460-00-4	
Dibromofluoromethane (S)	105	%	70-130		1		09/10/20 09:30	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		09/10/20 09:30	2037-26-5	
<b>Iron, Ferrous</b>									
Analytical Method: HACH 8146									
Pace Analytical Services - Green Bay									
Iron, Ferrous	<0.021	mg/L	0.069	0.021	1		09/10/20 16:12		H6
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Chloride	397	mg/L	200	43.1	100		09/09/20 13:01	16887-00-6	
Nitrate as N	0.56	mg/L	0.15	0.044	1		09/09/20 00:26	14797-55-8	H1
Sulfate	32.9	mg/L	2.0	0.44	1		09/09/20 00:26	14808-79-8	

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## ANALYTICAL RESULTS

Project: 8318 U&L STRIPPING

Pace Project No.: 40214184

**Sample: MW1500**      **Lab ID: 40214184008**      Collected: 09/03/20 10:15      Received: 09/05/20 08:20      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Ethane	<1.2	ug/L	5.6	1.2	1		09/15/20 10:11	74-84-0	
Ethene	1.4J	ug/L	5.0	1.2	1		09/15/20 10:11	74-85-1	
Methane	6730	ug/L	112	26.6	40		09/15/20 13:30	74-82-8	
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Green Bay									
Manganese	599	ug/L	5.1	1.5	1	09/09/20 06:08	09/09/20 18:33	7439-96-5	
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<1.2	ug/L	5.0	1.2	5		09/10/20 11:23	71-43-2	
Bromobenzene	<1.2	ug/L	5.0	1.2	5		09/10/20 11:23	108-86-1	
Bromochloromethane	<1.8	ug/L	25.0	1.8	5		09/10/20 11:23	74-97-5	
Bromodichloromethane	<1.8	ug/L	6.1	1.8	5		09/10/20 11:23	75-27-4	
Bromoform	<19.9	ug/L	66.2	19.9	5		09/10/20 11:23	75-25-2	
Bromomethane	<4.9	ug/L	25.0	4.9	5		09/10/20 11:23	74-83-9	
n-Butylbenzene	<3.5	ug/L	11.8	3.5	5		09/10/20 11:23	104-51-8	
sec-Butylbenzene	<4.2	ug/L	25.0	4.2	5		09/10/20 11:23	135-98-8	
tert-Butylbenzene	<1.5	ug/L	5.1	1.5	5		09/10/20 11:23	98-06-6	
Carbon tetrachloride	<5.4	ug/L	17.9	5.4	5		09/10/20 11:23	56-23-5	
Chlorobenzene	<3.6	ug/L	11.8	3.6	5		09/10/20 11:23	108-90-7	
Chloroethane	<6.7	ug/L	25.0	6.7	5		09/10/20 11:23	75-00-3	
Chloroform	<6.4	ug/L	25.0	6.4	5		09/10/20 11:23	67-66-3	
Chloromethane	<10.9	ug/L	36.5	10.9	5		09/10/20 11:23	74-87-3	
2-Chlorotoluene	<4.6	ug/L	25.0	4.6	5		09/10/20 11:23	95-49-8	
4-Chlorotoluene	<3.8	ug/L	12.6	3.8	5		09/10/20 11:23	106-43-4	
1,2-Dibromo-3-chloropropane	<8.8	ug/L	29.4	8.8	5		09/10/20 11:23	96-12-8	
Dibromochloromethane	<13.0	ug/L	43.4	13.0	5		09/10/20 11:23	124-48-1	
1,2-Dibromoethane (EDB)	<4.1	ug/L	13.8	4.1	5		09/10/20 11:23	106-93-4	
Dibromomethane	<4.7	ug/L	15.6	4.7	5		09/10/20 11:23	74-95-3	
1,2-Dichlorobenzene	<3.5	ug/L	11.8	3.5	5		09/10/20 11:23	95-50-1	
1,3-Dichlorobenzene	<3.1	ug/L	10.5	3.1	5		09/10/20 11:23	541-73-1	
1,4-Dichlorobenzene	<4.7	ug/L	15.7	4.7	5		09/10/20 11:23	106-46-7	
Dichlorodifluoromethane	<2.5	ug/L	25.0	2.5	5		09/10/20 11:23	75-71-8	
1,1-Dichloroethane	<1.4	ug/L	5.0	1.4	5		09/10/20 11:23	75-34-3	
1,2-Dichloroethane	<1.4	ug/L	5.0	1.4	5		09/10/20 11:23	107-06-2	
1,1-Dichloroethene	<1.2	ug/L	5.0	1.2	5		09/10/20 11:23	75-35-4	
cis-1,2-Dichloroethene	427	ug/L	5.0	1.4	5		09/10/20 11:23	156-59-2	
trans-1,2-Dichloroethene	168	ug/L	7.7	2.3	5		09/10/20 11:23	156-60-5	
1,2-Dichloropropane	<1.4	ug/L	5.0	1.4	5		09/10/20 11:23	78-87-5	
1,3-Dichloropropane	<4.1	ug/L	13.8	4.1	5		09/10/20 11:23	142-28-9	
2,2-Dichloropropane	<11.3	ug/L	37.8	11.3	5		09/10/20 11:23	594-20-7	
1,1-Dichloropropene	<2.7	ug/L	9.0	2.7	5		09/10/20 11:23	563-58-6	
cis-1,3-Dichloropropene	<18.1	ug/L	60.5	18.1	5		09/10/20 11:23	10061-01-5	
trans-1,3-Dichloropropene	<21.9	ug/L	72.8	21.9	5		09/10/20 11:23	10061-02-6	

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### ANALYTICAL RESULTS

Project: 8318 U&L STRIPPING  
Pace Project No.: 40214184

**Sample: MW1500**      **Lab ID: 40214184008**      Collected: 09/03/20 10:15      Received: 09/05/20 08:20      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Diisopropyl ether	<9.4	ug/L	31.5	9.4	5		09/10/20 11:23	108-20-3	
Ethylbenzene	<1.6	ug/L	5.3	1.6	5		09/10/20 11:23	100-41-4	
Hexachloro-1,3-butadiene	<7.3	ug/L	24.4	7.3	5		09/10/20 11:23	87-68-3	
Isopropylbenzene (Cumene)	<8.4	ug/L	28.1	8.4	5		09/10/20 11:23	98-82-8	
p-Isopropyltoluene	<4.0	ug/L	13.3	4.0	5		09/10/20 11:23	99-87-6	
Methylene Chloride	<2.9	ug/L	25.0	2.9	5		09/10/20 11:23	75-09-2	
Methyl-tert-butyl ether	<6.2	ug/L	20.8	6.2	5		09/10/20 11:23	1634-04-4	
Naphthalene	<5.9	ug/L	25.0	5.9	5		09/10/20 11:23	91-20-3	
n-Propylbenzene	<4.1	ug/L	25.0	4.1	5		09/10/20 11:23	103-65-1	
Styrene	<15.0	ug/L	50.2	15.0	5		09/10/20 11:23	100-42-5	
1,1,1,2-Tetrachloroethane	<1.3	ug/L	5.0	1.3	5		09/10/20 11:23	630-20-6	
1,1,2,2-Tetrachloroethane	<1.4	ug/L	5.0	1.4	5		09/10/20 11:23	79-34-5	
Tetrachloroethene	<1.6	ug/L	5.4	1.6	5		09/10/20 11:23	127-18-4	
Toluene	<1.3	ug/L	5.0	1.3	5		09/10/20 11:23	108-88-3	
1,2,3-Trichlorobenzene	<11.1	ug/L	36.8	11.1	5		09/10/20 11:23	87-61-6	
1,2,4-Trichlorobenzene	<4.8	ug/L	25.0	4.8	5		09/10/20 11:23	120-82-1	
1,1,1-Trichloroethane	<1.2	ug/L	5.0	1.2	5		09/10/20 11:23	71-55-6	
1,1,2-Trichloroethane	<2.8	ug/L	25.0	2.8	5		09/10/20 11:23	79-00-5	
Trichloroethene	<1.3	ug/L	5.0	1.3	5		09/10/20 11:23	79-01-6	
Trichlorofluoromethane	<1.1	ug/L	5.0	1.1	5		09/10/20 11:23	75-69-4	
1,2,3-Trichloropropane	<3.0	ug/L	25.0	3.0	5		09/10/20 11:23	96-18-4	
1,2,4-Trimethylbenzene	<4.2	ug/L	14.0	4.2	5		09/10/20 11:23	95-63-6	
1,3,5-Trimethylbenzene	<4.4	ug/L	14.6	4.4	5		09/10/20 11:23	108-67-8	
Vinyl chloride	7.0	ug/L	5.0	0.87	5		09/10/20 11:23	75-01-4	
m&p-Xylene	<2.3	ug/L	10.0	2.3	5		09/10/20 11:23	179601-23-1	
o-Xylene	<1.3	ug/L	5.0	1.3	5		09/10/20 11:23	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99	%	70-130		5		09/10/20 11:23	460-00-4	
Dibromofluoromethane (S)	105	%	70-130		5		09/10/20 11:23	1868-53-7	
Toluene-d8 (S)	99	%	70-130		5		09/10/20 11:23	2037-26-5	
<b>Iron, Ferrous</b>									
Analytical Method: HACH 8146									
Pace Analytical Services - Green Bay									
Iron, Ferrous	<0.021	mg/L	0.069	0.021	1		09/10/20 16:12		H6
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Chloride	130	mg/L	10.0	2.2	5		09/09/20 13:15	16887-00-6	
Nitrate as N	<0.044	mg/L	0.15	0.044	1		09/09/20 00:40	14797-55-8	H1
Sulfate	10.7	mg/L	2.0	0.44	1		09/09/20 00:40	14808-79-8	

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### ANALYTICAL RESULTS

Project: 8318 U&L STRIPPING  
Pace Project No.: 40214184

**Sample: MW200**      **Lab ID: 40214184009**      Collected: 09/03/20 10:30      Received: 09/05/20 08:20      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<2.5	ug/L	10.0	2.5	10		09/10/20 17:32	71-43-2	
Bromobenzene	<2.4	ug/L	10.0	2.4	10		09/10/20 17:32	108-86-1	
Bromochloromethane	<3.6	ug/L	50.0	3.6	10		09/10/20 17:32	74-97-5	
Bromodichloromethane	<3.6	ug/L	12.1	3.6	10		09/10/20 17:32	75-27-4	
Bromoform	<39.7	ug/L	132	39.7	10		09/10/20 17:32	75-25-2	
Bromomethane	<9.7	ug/L	50.0	9.7	10		09/10/20 17:32	74-83-9	
n-Butylbenzene	<7.1	ug/L	23.6	7.1	10		09/10/20 17:32	104-51-8	
sec-Butylbenzene	<8.5	ug/L	50.0	8.5	10		09/10/20 17:32	135-98-8	
tert-Butylbenzene	<3.0	ug/L	10.1	3.0	10		09/10/20 17:32	98-06-6	
Carbon tetrachloride	<10.8	ug/L	35.9	10.8	10		09/10/20 17:32	56-23-5	
Chlorobenzene	<7.1	ug/L	23.7	7.1	10		09/10/20 17:32	108-90-7	
Chloroethane	<13.4	ug/L	50.0	13.4	10		09/10/20 17:32	75-00-3	
Chloroform	<12.7	ug/L	50.0	12.7	10		09/10/20 17:32	67-66-3	
Chloromethane	<21.9	ug/L	73.0	21.9	10		09/10/20 17:32	74-87-3	
2-Chlorotoluene	<9.3	ug/L	50.0	9.3	10		09/10/20 17:32	95-49-8	
4-Chlorotoluene	<7.6	ug/L	25.2	7.6	10		09/10/20 17:32	106-43-4	
1,2-Dibromo-3-chloropropane	<17.6	ug/L	58.8	17.6	10		09/10/20 17:32	96-12-8	
Dibromochloromethane	<26.0	ug/L	86.7	26.0	10		09/10/20 17:32	124-48-1	
1,2-Dibromoethane (EDB)	<8.3	ug/L	27.6	8.3	10		09/10/20 17:32	106-93-4	
Dibromomethane	<9.4	ug/L	31.2	9.4	10		09/10/20 17:32	74-95-3	
1,2-Dichlorobenzene	<7.1	ug/L	23.5	7.1	10		09/10/20 17:32	95-50-1	
1,3-Dichlorobenzene	<6.3	ug/L	20.9	6.3	10		09/10/20 17:32	541-73-1	
1,4-Dichlorobenzene	<9.4	ug/L	31.5	9.4	10		09/10/20 17:32	106-46-7	
Dichlorodifluoromethane	<5.0	ug/L	50.0	5.0	10		09/10/20 17:32	75-71-8	
1,1-Dichloroethane	<2.7	ug/L	10.0	2.7	10		09/10/20 17:32	75-34-3	
1,2-Dichloroethane	<2.8	ug/L	10.0	2.8	10		09/10/20 17:32	107-06-2	
1,1-Dichloroethene	<2.4	ug/L	10.0	2.4	10		09/10/20 17:32	75-35-4	
cis-1,2-Dichloroethene	512	ug/L	10.0	2.7	10		09/10/20 17:32	156-59-2	
trans-1,2-Dichloroethene	670	ug/L	15.5	4.6	10		09/10/20 17:32	156-60-5	
1,2-Dichloropropane	<2.8	ug/L	10.0	2.8	10		09/10/20 17:32	78-87-5	
1,3-Dichloropropane	<8.3	ug/L	27.5	8.3	10		09/10/20 17:32	142-28-9	
2,2-Dichloropropane	<22.7	ug/L	75.5	22.7	10		09/10/20 17:32	594-20-7	
1,1-Dichloropropene	<5.4	ug/L	18.0	5.4	10		09/10/20 17:32	563-58-6	
cis-1,3-Dichloropropene	<36.3	ug/L	121	36.3	10		09/10/20 17:32	10061-01-5	
trans-1,3-Dichloropropene	<43.7	ug/L	146	43.7	10		09/10/20 17:32	10061-02-6	
Diisopropyl ether	<18.9	ug/L	62.9	18.9	10		09/10/20 17:32	108-20-3	
Ethylbenzene	<3.2	ug/L	10.6	3.2	10		09/10/20 17:32	100-41-4	
Hexachloro-1,3-butadiene	<14.6	ug/L	48.8	14.6	10		09/10/20 17:32	87-68-3	
Isopropylbenzene (Cumene)	<16.9	ug/L	56.2	16.9	10		09/10/20 17:32	98-82-8	
p-Isopropyltoluene	<8.0	ug/L	26.7	8.0	10		09/10/20 17:32	99-87-6	
Methylene Chloride	<5.8	ug/L	50.0	5.8	10		09/10/20 17:32	75-09-2	
Methyl-tert-butyl ether	<12.5	ug/L	41.5	12.5	10		09/10/20 17:32	1634-04-4	
Naphthalene	<11.8	ug/L	50.0	11.8	10		09/10/20 17:32	91-20-3	
n-Propylbenzene	<8.1	ug/L	50.0	8.1	10		09/10/20 17:32	103-65-1	
Styrene	<30.1	ug/L	100	30.1	10		09/10/20 17:32	100-42-5	

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### ANALYTICAL RESULTS

Project: 8318 U&L STRIPPING

Pace Project No.: 40214184

**Sample: MW200**      **Lab ID: 40214184009**      Collected: 09/03/20 10:30      Received: 09/05/20 08:20      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<2.7	ug/L	10.0	2.7	10		09/10/20 17:32	630-20-6	
1,1,2,2-Tetrachloroethane	<2.8	ug/L	10.0	2.8	10		09/10/20 17:32	79-34-5	
Tetrachloroethene	<3.3	ug/L	10.9	3.3	10		09/10/20 17:32	127-18-4	
Toluene	<2.7	ug/L	10.0	2.7	10		09/10/20 17:32	108-88-3	
1,2,3-Trichlorobenzene	<22.1	ug/L	73.7	22.1	10		09/10/20 17:32	87-61-6	
1,2,4-Trichlorobenzene	<9.5	ug/L	50.0	9.5	10		09/10/20 17:32	120-82-1	
1,1,1-Trichloroethane	<2.4	ug/L	10.0	2.4	10		09/10/20 17:32	71-55-6	
1,1,2-Trichloroethane	<5.5	ug/L	50.0	5.5	10		09/10/20 17:32	79-00-5	
Trichloroethene	<2.6	ug/L	10.0	2.6	10		09/10/20 17:32	79-01-6	
Trichlorofluoromethane	<2.1	ug/L	10.0	2.1	10		09/10/20 17:32	75-69-4	
1,2,3-Trichloropropane	<5.9	ug/L	50.0	5.9	10		09/10/20 17:32	96-18-4	
1,2,4-Trimethylbenzene	<8.4	ug/L	28.0	8.4	10		09/10/20 17:32	95-63-6	
1,3,5-Trimethylbenzene	<8.7	ug/L	29.1	8.7	10		09/10/20 17:32	108-67-8	
Vinyl chloride	22.9	ug/L	10.0	1.7	10		09/10/20 17:32	75-01-4	
m&p-Xylene	<4.7	ug/L	20.0	4.7	10		09/10/20 17:32	179601-23-1	
o-Xylene	<2.6	ug/L	10.0	2.6	10		09/10/20 17:32	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99	%	70-130		10		09/10/20 17:32	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		10		09/10/20 17:32	1868-53-7	
Toluene-d8 (S)	99	%	70-130		10		09/10/20 17:32	2037-26-5	

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## ANALYTICAL RESULTS

Project: 8318 U&L STRIPPING

Pace Project No.: 40214184

**Sample: MW300**      **Lab ID: 40214184010**      Collected: 09/03/20 10:45      Received: 09/05/20 08:20      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Ethane	<1.2	ug/L	5.6	1.2	1		09/15/20 10:18	74-84-0	
Ethene	1.9J	ug/L	5.0	1.2	1		09/15/20 10:18	74-85-1	
Methane	11200	ug/L	280	66.5	100		09/15/20 13:37	74-82-8	
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<1.2	ug/L	5.0	1.2	5		09/10/20 11:45	71-43-2	
Bromobenzene	<1.2	ug/L	5.0	1.2	5		09/10/20 11:45	108-86-1	
Bromochloromethane	<1.8	ug/L	25.0	1.8	5		09/10/20 11:45	74-97-5	
Bromodichloromethane	<1.8	ug/L	6.1	1.8	5		09/10/20 11:45	75-27-4	
Bromoform	<19.9	ug/L	66.2	19.9	5		09/10/20 11:45	75-25-2	
Bromomethane	<4.9	ug/L	25.0	4.9	5		09/10/20 11:45	74-83-9	
n-Butylbenzene	<3.5	ug/L	11.8	3.5	5		09/10/20 11:45	104-51-8	
sec-Butylbenzene	<4.2	ug/L	25.0	4.2	5		09/10/20 11:45	135-98-8	
tert-Butylbenzene	<1.5	ug/L	5.1	1.5	5		09/10/20 11:45	98-06-6	
Carbon tetrachloride	<5.4	ug/L	17.9	5.4	5		09/10/20 11:45	56-23-5	
Chlorobenzene	<3.6	ug/L	11.8	3.6	5		09/10/20 11:45	108-90-7	
Chloroethane	<6.7	ug/L	25.0	6.7	5		09/10/20 11:45	75-00-3	
Chloroform	<6.4	ug/L	25.0	6.4	5		09/10/20 11:45	67-66-3	
Chloromethane	<10.9	ug/L	36.5	10.9	5		09/10/20 11:45	74-87-3	
2-Chlorotoluene	<4.6	ug/L	25.0	4.6	5		09/10/20 11:45	95-49-8	
4-Chlorotoluene	<3.8	ug/L	12.6	3.8	5		09/10/20 11:45	106-43-4	
1,2-Dibromo-3-chloropropane	<8.8	ug/L	29.4	8.8	5		09/10/20 11:45	96-12-8	
Dibromochloromethane	<13.0	ug/L	43.4	13.0	5		09/10/20 11:45	124-48-1	
1,2-Dibromoethane (EDB)	<4.1	ug/L	13.8	4.1	5		09/10/20 11:45	106-93-4	
Dibromomethane	<4.7	ug/L	15.6	4.7	5		09/10/20 11:45	74-95-3	
1,2-Dichlorobenzene	<3.5	ug/L	11.8	3.5	5		09/10/20 11:45	95-50-1	
1,3-Dichlorobenzene	<3.1	ug/L	10.5	3.1	5		09/10/20 11:45	541-73-1	
1,4-Dichlorobenzene	<4.7	ug/L	15.7	4.7	5		09/10/20 11:45	106-46-7	
Dichlorodifluoromethane	<2.5	ug/L	25.0	2.5	5		09/10/20 11:45	75-71-8	
1,1-Dichloroethane	<1.4	ug/L	5.0	1.4	5		09/10/20 11:45	75-34-3	
1,2-Dichloroethane	<1.4	ug/L	5.0	1.4	5		09/10/20 11:45	107-06-2	
1,1-Dichloroethene	<1.2	ug/L	5.0	1.2	5		09/10/20 11:45	75-35-4	
cis-1,2-Dichloroethene	268	ug/L	5.0	1.4	5		09/10/20 11:45	156-59-2	
trans-1,2-Dichloroethene	371	ug/L	7.7	2.3	5		09/10/20 11:45	156-60-5	
1,2-Dichloropropane	<1.4	ug/L	5.0	1.4	5		09/10/20 11:45	78-87-5	
1,3-Dichloropropane	<4.1	ug/L	13.8	4.1	5		09/10/20 11:45	142-28-9	
2,2-Dichloropropane	<11.3	ug/L	37.8	11.3	5		09/10/20 11:45	594-20-7	
1,1-Dichloropropene	<2.7	ug/L	9.0	2.7	5		09/10/20 11:45	563-58-6	
cis-1,3-Dichloropropene	<18.1	ug/L	60.5	18.1	5		09/10/20 11:45	10061-01-5	
trans-1,3-Dichloropropene	<21.9	ug/L	72.8	21.9	5		09/10/20 11:45	10061-02-6	
Diisopropyl ether	<9.4	ug/L	31.5	9.4	5		09/10/20 11:45	108-20-3	
Ethylbenzene	<1.6	ug/L	5.3	1.6	5		09/10/20 11:45	100-41-4	
Hexachloro-1,3-butadiene	<7.3	ug/L	24.4	7.3	5		09/10/20 11:45	87-68-3	
Isopropylbenzene (Cumene)	<8.4	ug/L	28.1	8.4	5		09/10/20 11:45	98-82-8	

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## ANALYTICAL RESULTS

Project: 8318 U&L STRIPPING

Pace Project No.: 40214184

**Sample: MW300**      **Lab ID: 40214184010**      Collected: 09/03/20 10:45      Received: 09/05/20 08:20      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
p-Isopropyltoluene	<4.0	ug/L	13.3	4.0	5		09/10/20 11:45	99-87-6	
Methylene Chloride	<2.9	ug/L	25.0	2.9	5		09/10/20 11:45	75-09-2	
Methyl-tert-butyl ether	<6.2	ug/L	20.8	6.2	5		09/10/20 11:45	1634-04-4	
Naphthalene	<5.9	ug/L	25.0	5.9	5		09/10/20 11:45	91-20-3	
n-Propylbenzene	<4.1	ug/L	25.0	4.1	5		09/10/20 11:45	103-65-1	
Styrene	<15.0	ug/L	50.2	15.0	5		09/10/20 11:45	100-42-5	
1,1,1,2-Tetrachloroethane	<1.3	ug/L	5.0	1.3	5		09/10/20 11:45	630-20-6	
1,1,2,2-Tetrachloroethane	<1.4	ug/L	5.0	1.4	5		09/10/20 11:45	79-34-5	
Tetrachloroethene	8.8	ug/L	5.4	1.6	5		09/10/20 11:45	127-18-4	
Toluene	<1.3	ug/L	5.0	1.3	5		09/10/20 11:45	108-88-3	
1,2,3-Trichlorobenzene	<11.1	ug/L	36.8	11.1	5		09/10/20 11:45	87-61-6	
1,2,4-Trichlorobenzene	<4.8	ug/L	25.0	4.8	5		09/10/20 11:45	120-82-1	
1,1,1-Trichloroethane	<1.2	ug/L	5.0	1.2	5		09/10/20 11:45	71-55-6	
1,1,2-Trichloroethane	<2.8	ug/L	25.0	2.8	5		09/10/20 11:45	79-00-5	
Trichloroethene	1.5J	ug/L	5.0	1.3	5		09/10/20 11:45	79-01-6	
Trichlorofluoromethane	<1.1	ug/L	5.0	1.1	5		09/10/20 11:45	75-69-4	
1,2,3-Trichloropropane	<3.0	ug/L	25.0	3.0	5		09/10/20 11:45	96-18-4	
1,2,4-Trimethylbenzene	<4.2	ug/L	14.0	4.2	5		09/10/20 11:45	95-63-6	
1,3,5-Trimethylbenzene	<4.4	ug/L	14.6	4.4	5		09/10/20 11:45	108-67-8	
Vinyl chloride	21.2	ug/L	5.0	0.87	5		09/10/20 11:45	75-01-4	
m&p-Xylene	<2.3	ug/L	10.0	2.3	5		09/10/20 11:45	179601-23-1	
o-Xylene	<1.3	ug/L	5.0	1.3	5		09/10/20 11:45	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	100	%	70-130		5		09/10/20 11:45	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		5		09/10/20 11:45	1868-53-7	
Toluene-d8 (S)	100	%	70-130		5		09/10/20 11:45	2037-26-5	

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## ANALYTICAL RESULTS

Project: 8318 U&L STRIPPING  
Pace Project No.: 40214184

**Sample: MW100**      **Lab ID: 40214184011**      Collected: 09/03/20 11:00      Received: 09/05/20 08:20      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>		Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay							
Ethane	<1.2	ug/L	5.6	1.2	1		09/15/20 10:25	74-84-0	
Ethene	1.6J	ug/L	5.0	1.2	1		09/15/20 10:25	74-85-1	
Methane	9370	ug/L	140	33.2	50		09/15/20 13:44	74-82-8	
<b>6010 MET ICP</b>		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Green Bay							
Manganese	365	ug/L	5.1	1.5	1	09/09/20 06:08	09/09/20 18:35	7439-96-5	
<b>8260 MSV</b>		Analytical Method: EPA 8260 Pace Analytical Services - Green Bay							
Benzene	<24.6	ug/L	100	24.6	100		09/10/20 12:08	71-43-2	
Bromobenzene	<24.1	ug/L	100	24.1	100		09/10/20 12:08	108-86-1	
Bromochloromethane	<36.2	ug/L	500	36.2	100		09/10/20 12:08	74-97-5	
Bromodichloromethane	<36.4	ug/L	121	36.4	100		09/10/20 12:08	75-27-4	
Bromoform	<397	ug/L	1320	397	100		09/10/20 12:08	75-25-2	
Bromomethane	<97.1	ug/L	500	97.1	100		09/10/20 12:08	74-83-9	
n-Butylbenzene	<70.8	ug/L	236	70.8	100		09/10/20 12:08	104-51-8	
sec-Butylbenzene	<84.9	ug/L	500	84.9	100		09/10/20 12:08	135-98-8	
tert-Butylbenzene	<30.4	ug/L	101	30.4	100		09/10/20 12:08	98-06-6	
Carbon tetrachloride	<108	ug/L	359	108	100		09/10/20 12:08	56-23-5	
Chlorobenzene	<71.1	ug/L	237	71.1	100		09/10/20 12:08	108-90-7	
Chloroethane	<134	ug/L	500	134	100		09/10/20 12:08	75-00-3	
Chloroform	<127	ug/L	500	127	100		09/10/20 12:08	67-66-3	
Chloromethane	<219	ug/L	730	219	100		09/10/20 12:08	74-87-3	
2-Chlorotoluene	<92.6	ug/L	500	92.6	100		09/10/20 12:08	95-49-8	
4-Chlorotoluene	<75.6	ug/L	252	75.6	100		09/10/20 12:08	106-43-4	
1,2-Dibromo-3-chloropropane	<176	ug/L	588	176	100		09/10/20 12:08	96-12-8	
Dibromochloromethane	<260	ug/L	867	260	100		09/10/20 12:08	124-48-1	
1,2-Dibromoethane (EDB)	<82.9	ug/L	276	82.9	100		09/10/20 12:08	106-93-4	
Dibromomethane	<93.7	ug/L	312	93.7	100		09/10/20 12:08	74-95-3	
1,2-Dichlorobenzene	<70.5	ug/L	235	70.5	100		09/10/20 12:08	95-50-1	
1,3-Dichlorobenzene	<62.8	ug/L	209	62.8	100		09/10/20 12:08	541-73-1	
1,4-Dichlorobenzene	<94.4	ug/L	315	94.4	100		09/10/20 12:08	106-46-7	
Dichlorodifluoromethane	<50.0	ug/L	500	50.0	100		09/10/20 12:08	75-71-8	
1,1-Dichloroethane	<27.3	ug/L	100	27.3	100		09/10/20 12:08	75-34-3	
1,2-Dichloroethane	<28.0	ug/L	100	28.0	100		09/10/20 12:08	107-06-2	
1,1-Dichloroethene	<24.5	ug/L	100	24.5	100		09/10/20 12:08	75-35-4	
cis-1,2-Dichloroethene	10300	ug/L	100	27.1	100		09/10/20 12:08	156-59-2	
trans-1,2-Dichloroethene	537	ug/L	155	46.4	100		09/10/20 12:08	156-60-5	
1,2-Dichloropropane	<28.3	ug/L	100	28.3	100		09/10/20 12:08	78-87-5	
1,3-Dichloropropane	<82.6	ug/L	275	82.6	100		09/10/20 12:08	142-28-9	
2,2-Dichloropropane	<227	ug/L	755	227	100		09/10/20 12:08	594-20-7	
1,1-Dichloropropene	<54.0	ug/L	180	54.0	100		09/10/20 12:08	563-58-6	
cis-1,3-Dichloropropene	<363	ug/L	1210	363	100		09/10/20 12:08	10061-01-5	
trans-1,3-Dichloropropene	<437	ug/L	1460	437	100		09/10/20 12:08	10061-02-6	

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### ANALYTICAL RESULTS

Project: 8318 U&L STRIPPING

Pace Project No.: 40214184

**Sample: MW100**      **Lab ID: 40214184011**      Collected: 09/03/20 11:00      Received: 09/05/20 08:20      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Diisopropyl ether	<189	ug/L	629	189	100		09/10/20 12:08	108-20-3	
Ethylbenzene	<31.9	ug/L	106	31.9	100		09/10/20 12:08	100-41-4	
Hexachloro-1,3-butadiene	<146	ug/L	488	146	100		09/10/20 12:08	87-68-3	
Isopropylbenzene (Cumene)	<169	ug/L	562	169	100		09/10/20 12:08	98-82-8	
p-Isopropyltoluene	<80.0	ug/L	267	80.0	100		09/10/20 12:08	99-87-6	
Methylene Chloride	<58.1	ug/L	500	58.1	100		09/10/20 12:08	75-09-2	
Methyl-tert-butyl ether	<125	ug/L	415	125	100		09/10/20 12:08	1634-04-4	
Naphthalene	<118	ug/L	500	118	100		09/10/20 12:08	91-20-3	
n-Propylbenzene	<81.1	ug/L	500	81.1	100		09/10/20 12:08	103-65-1	
Styrene	<301	ug/L	1000	301	100		09/10/20 12:08	100-42-5	
1,1,1,2-Tetrachloroethane	<26.9	ug/L	100	26.9	100		09/10/20 12:08	630-20-6	
1,1,2,2-Tetrachloroethane	<27.5	ug/L	100	27.5	100		09/10/20 12:08	79-34-5	
Tetrachloroethene	96.8J	ug/L	109	32.6	100		09/10/20 12:08	127-18-4	
Toluene	54.5J	ug/L	100	26.9	100		09/10/20 12:08	108-88-3	
1,2,3-Trichlorobenzene	<221	ug/L	737	221	100		09/10/20 12:08	87-61-6	
1,2,4-Trichlorobenzene	<95.1	ug/L	500	95.1	100		09/10/20 12:08	120-82-1	
1,1,1-Trichloroethane	<24.5	ug/L	100	24.5	100		09/10/20 12:08	71-55-6	
1,1,2-Trichloroethane	<55.2	ug/L	500	55.2	100		09/10/20 12:08	79-00-5	
Trichloroethene	103	ug/L	100	25.5	100		09/10/20 12:08	79-01-6	
Trichlorofluoromethane	<21.5	ug/L	100	21.5	100		09/10/20 12:08	75-69-4	
1,2,3-Trichloropropane	<59.1	ug/L	500	59.1	100		09/10/20 12:08	96-18-4	
1,2,4-Trimethylbenzene	<84.1	ug/L	280	84.1	100		09/10/20 12:08	95-63-6	
1,3,5-Trimethylbenzene	<87.3	ug/L	291	87.3	100		09/10/20 12:08	108-67-8	
Vinyl chloride	44.2J	ug/L	100	17.5	100		09/10/20 12:08	75-01-4	
m&p-Xylene	<46.5	ug/L	200	46.5	100		09/10/20 12:08	179601-23-1	
o-Xylene	<26.2	ug/L	100	26.2	100		09/10/20 12:08	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	100	%	70-130		100		09/10/20 12:08	460-00-4	
Dibromofluoromethane (S)	105	%	70-130		100		09/10/20 12:08	1868-53-7	
Toluene-d8 (S)	99	%	70-130		100		09/10/20 12:08	2037-26-5	
<b>Iron, Ferrous</b>									
Analytical Method: HACH 8146									
Pace Analytical Services - Green Bay									
Iron, Ferrous	6.3	mg/L	1.7	0.52	25		09/10/20 16:25		H6
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Chloride	56.0	mg/L	10.0	2.2	5		09/09/20 00:54	16887-00-6	
Nitrate as N	<0.22	mg/L	0.75	0.22	5		09/09/20 00:54	14797-55-8	D3,H1
Sulfate	4.8J	mg/L	10.0	2.2	5		09/09/20 00:54	14808-79-8	D3

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### ANALYTICAL RESULTS

Project: 8318 U&L STRIPPING  
Pace Project No.: 40214184

**Sample: MW800R**      **Lab ID: 40214184012**      Collected: 09/03/20 11:15      Received: 09/05/20 08:20      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Ethane	<1.2	ug/L	5.6	1.2	1		09/15/20 10:32	74-84-0	
Ethene	1.7J	ug/L	5.0	1.2	1		09/15/20 10:32	74-85-1	
Methane	3020	ug/L	56.0	13.3	20		09/15/20 13:51	74-82-8	
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Green Bay									
Manganese	475	ug/L	5.1	1.5	1	09/09/20 06:08	09/09/20 18:38	7439-96-5	
<b>8260 MSV</b>									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	<6.2	ug/L	25.0	6.2	25		09/10/20 12:30	71-43-2	
Bromobenzene	<6.0	ug/L	25.0	6.0	25		09/10/20 12:30	108-86-1	
Bromochloromethane	<9.1	ug/L	125	9.1	25		09/10/20 12:30	74-97-5	
Bromodichloromethane	<9.1	ug/L	30.3	9.1	25		09/10/20 12:30	75-27-4	
Bromoform	<99.3	ug/L	331	99.3	25		09/10/20 12:30	75-25-2	
Bromomethane	<24.3	ug/L	125	24.3	25		09/10/20 12:30	74-83-9	
n-Butylbenzene	<17.7	ug/L	59.0	17.7	25		09/10/20 12:30	104-51-8	
sec-Butylbenzene	<21.2	ug/L	125	21.2	25		09/10/20 12:30	135-98-8	
tert-Butylbenzene	<7.6	ug/L	25.3	7.6	25		09/10/20 12:30	98-06-6	
Carbon tetrachloride	<26.9	ug/L	89.7	26.9	25		09/10/20 12:30	56-23-5	
Chlorobenzene	<17.8	ug/L	59.2	17.8	25		09/10/20 12:30	108-90-7	
Chloroethane	<33.6	ug/L	125	33.6	25		09/10/20 12:30	75-00-3	
Chloroform	<31.8	ug/L	125	31.8	25		09/10/20 12:30	67-66-3	
Chloromethane	<54.7	ug/L	182	54.7	25		09/10/20 12:30	74-87-3	
2-Chlorotoluene	<23.2	ug/L	125	23.2	25		09/10/20 12:30	95-49-8	
4-Chlorotoluene	<18.9	ug/L	63.0	18.9	25		09/10/20 12:30	106-43-4	
1,2-Dibromo-3-chloropropane	<44.1	ug/L	147	44.1	25		09/10/20 12:30	96-12-8	
Dibromochloromethane	<65.0	ug/L	217	65.0	25		09/10/20 12:30	124-48-1	
1,2-Dibromoethane (EDB)	<20.7	ug/L	69.1	20.7	25		09/10/20 12:30	106-93-4	
Dibromomethane	<23.4	ug/L	78.1	23.4	25		09/10/20 12:30	74-95-3	
1,2-Dichlorobenzene	<17.6	ug/L	58.8	17.6	25		09/10/20 12:30	95-50-1	
1,3-Dichlorobenzene	<15.7	ug/L	52.3	15.7	25		09/10/20 12:30	541-73-1	
1,4-Dichlorobenzene	<23.6	ug/L	78.6	23.6	25		09/10/20 12:30	106-46-7	
Dichlorodifluoromethane	<12.5	ug/L	125	12.5	25		09/10/20 12:30	75-71-8	
1,1-Dichloroethane	<6.8	ug/L	25.0	6.8	25		09/10/20 12:30	75-34-3	
1,2-Dichloroethane	<7.0	ug/L	25.0	7.0	25		09/10/20 12:30	107-06-2	
1,1-Dichloroethene	<6.1	ug/L	25.0	6.1	25		09/10/20 12:30	75-35-4	
cis-1,2-Dichloroethene	4930	ug/L	25.0	6.8	25		09/10/20 12:30	156-59-2	
trans-1,2-Dichloroethene	662	ug/L	38.7	11.6	25		09/10/20 12:30	156-60-5	
1,2-Dichloropropane	<7.1	ug/L	25.0	7.1	25		09/10/20 12:30	78-87-5	
1,3-Dichloropropane	<20.6	ug/L	68.8	20.6	25		09/10/20 12:30	142-28-9	
2,2-Dichloropropane	<56.6	ug/L	189	56.6	25		09/10/20 12:30	594-20-7	
1,1-Dichloropropene	<13.5	ug/L	45.0	13.5	25		09/10/20 12:30	563-58-6	
cis-1,3-Dichloropropene	<90.7	ug/L	302	90.7	25		09/10/20 12:30	10061-01-5	
trans-1,3-Dichloropropene	<109	ug/L	364	109	25		09/10/20 12:30	10061-02-6	

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### ANALYTICAL RESULTS

Project: 8318 U&L STRIPPING  
Pace Project No.: 40214184

**Sample: MW800R**      **Lab ID: 40214184012**      Collected: 09/03/20 11:15      Received: 09/05/20 08:20      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Diisopropyl ether	<47.2	ug/L	157	47.2	25		09/10/20 12:30	108-20-3	
Ethylbenzene	<8.0	ug/L	26.6	8.0	25		09/10/20 12:30	100-41-4	
Hexachloro-1,3-butadiene	<36.6	ug/L	122	36.6	25		09/10/20 12:30	87-68-3	
Isopropylbenzene (Cumene)	<42.2	ug/L	140	42.2	25		09/10/20 12:30	98-82-8	
p-Isopropyltoluene	<20.0	ug/L	66.7	20.0	25		09/10/20 12:30	99-87-6	
Methylene Chloride	<14.5	ug/L	125	14.5	25		09/10/20 12:30	75-09-2	
Methyl-tert-butyl ether	<31.1	ug/L	104	31.1	25		09/10/20 12:30	1634-04-4	
Naphthalene	<29.4	ug/L	125	29.4	25		09/10/20 12:30	91-20-3	
n-Propylbenzene	<20.3	ug/L	125	20.3	25		09/10/20 12:30	103-65-1	
Styrene	<75.2	ug/L	251	75.2	25		09/10/20 12:30	100-42-5	
1,1,1,2-Tetrachloroethane	<6.7	ug/L	25.0	6.7	25		09/10/20 12:30	630-20-6	
1,1,2,2-Tetrachloroethane	<6.9	ug/L	25.0	6.9	25		09/10/20 12:30	79-34-5	
Tetrachloroethene	4680	ug/L	27.2	8.2	25		09/10/20 12:30	127-18-4	
Toluene	<6.7	ug/L	25.0	6.7	25		09/10/20 12:30	108-88-3	
1,2,3-Trichlorobenzene	<55.3	ug/L	184	55.3	25		09/10/20 12:30	87-61-6	
1,2,4-Trichlorobenzene	<23.8	ug/L	125	23.8	25		09/10/20 12:30	120-82-1	
1,1,1-Trichloroethane	<6.1	ug/L	25.0	6.1	25		09/10/20 12:30	71-55-6	
1,1,2-Trichloroethane	<13.8	ug/L	125	13.8	25		09/10/20 12:30	79-00-5	
Trichloroethene	5620	ug/L	25.0	6.4	25		09/10/20 12:30	79-01-6	
Trichlorofluoromethane	<5.4	ug/L	25.0	5.4	25		09/10/20 12:30	75-69-4	
1,2,3-Trichloropropane	<14.8	ug/L	125	14.8	25		09/10/20 12:30	96-18-4	
1,2,4-Trimethylbenzene	<21.0	ug/L	70.0	21.0	25		09/10/20 12:30	95-63-6	
1,3,5-Trimethylbenzene	<21.8	ug/L	72.8	21.8	25		09/10/20 12:30	108-67-8	
Vinyl chloride	30.3	ug/L	25.0	4.4	25		09/10/20 12:30	75-01-4	
m&p-Xylene	<11.6	ug/L	50.0	11.6	25		09/10/20 12:30	179601-23-1	
o-Xylene	<6.5	ug/L	25.0	6.5	25		09/10/20 12:30	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	100	%	70-130		25		09/10/20 12:30	460-00-4	
Dibromofluoromethane (S)	106	%	70-130		25		09/10/20 12:30	1868-53-7	
Toluene-d8 (S)	99	%	70-130		25		09/10/20 12:30	2037-26-5	
<b>Iron, Ferrous</b>									
Analytical Method: HACH 8146									
Pace Analytical Services - Green Bay									
Iron, Ferrous	<0.021	mg/L	0.069	0.021	1		09/10/20 16:14		H6
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Chloride	112	mg/L	10.0	2.2	5		09/09/20 14:12	16887-00-6	
Nitrate as N	<0.044	mg/L	0.15	0.044	1		09/09/20 01:09	14797-55-8	H1
Sulfate	23.9	mg/L	2.0	0.44	1		09/09/20 01:09	14808-79-8	

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### QUALITY CONTROL DATA

Project: 8318 U&L STRIPPING  
Pace Project No.: 40214184

QC Batch:	365429	Analysis Method:	EPA 8015B Modified
QC Batch Method:	EPA 8015B Modified	Analysis Description:	Methane, Ethane, Ethene GCV
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40214184002, 40214184003, 40214184004, 40214184005, 40214184006, 40214184007, 40214184008, 40214184010, 40214184011, 40214184012

METHOD BLANK: 2111827 Matrix: Water  
Associated Lab Samples: 40214184002, 40214184003, 40214184004, 40214184005, 40214184006, 40214184007, 40214184008, 40214184010, 40214184011, 40214184012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethane	ug/L	<1.2	5.6	09/15/20 08:54	
Ethene	ug/L	<1.2	5.0	09/15/20 08:54	
Methane	ug/L	<0.66	2.8	09/15/20 08:54	

LABORATORY CONTROL SAMPLE & LCSD: 2111828 2111829

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Ethane	ug/L	53.6	54.3	55.0	101	103	80-120	1	20	
Ethene	ug/L	50	49.8	50.5	100	101	80-120	1	20	
Methane	ug/L	28.6	28.6	29.2	100	102	79-120	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2111830 2111831

Parameter	Units	40214331003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Ethane	ug/L	<1.2	53.6	53.6	54.6	55.0	102	103	79-120	1	20	
Ethene	ug/L	<1.2	50	50	49.5	50.3	99	101	79-120	2	20	
Methane	ug/L	218	28.6	28.6	590	563	1300	1210	10-200	5	20	E,M1

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

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### QUALITY CONTROL DATA

Project: 8318 U&L STRIPPING  
Pace Project No.: 40214184

QC Batch:	364926	Analysis Method:	EPA 6010
QC Batch Method:	EPA 3010	Analysis Description:	6010 MET
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40214184002, 40214184003, 40214184004, 40214184005, 40214184006, 40214184007, 40214184008, 40214184011, 40214184012

METHOD BLANK: 2108964 Matrix: Water  
Associated Lab Samples: 40214184002, 40214184003, 40214184004, 40214184005, 40214184006, 40214184007, 40214184008, 40214184011, 40214184012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Manganese	ug/L	<1.5	5.1	09/10/20 14:50	

LABORATORY CONTROL SAMPLE: 2108965

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Manganese	ug/L	500	500	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2108966 2108967

Parameter	Units	40214107001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Manganese	ug/L	3650	500	500	4270	4190	125	109	75-125	2	20	

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### QUALITY CONTROL DATA

Project: 8318 U&L STRIPPING  
Pace Project No.: 40214184

QC Batch:	364844	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40214184001, 40214184002, 40214184003, 40214184004, 40214184005, 40214184006, 40214184007, 40214184008, 40214184009, 40214184010, 40214184011, 40214184012

METHOD BLANK: 2108644 Matrix: Water  
Associated Lab Samples: 40214184001, 40214184002, 40214184003, 40214184004, 40214184005, 40214184006, 40214184007, 40214184008, 40214184009, 40214184010, 40214184011, 40214184012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	09/10/20 06:53	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	09/10/20 06:53	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	09/10/20 06:53	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	09/10/20 06:53	
1,1-Dichloroethane	ug/L	<0.27	1.0	09/10/20 06:53	
1,1-Dichloroethene	ug/L	<0.24	1.0	09/10/20 06:53	
1,1-Dichloropropene	ug/L	<0.54	1.8	09/10/20 06:53	
1,2,3-Trichlorobenzene	ug/L	<2.2	7.4	09/10/20 06:53	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	09/10/20 06:53	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	09/10/20 06:53	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	09/10/20 06:53	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	09/10/20 06:53	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	09/10/20 06:53	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	09/10/20 06:53	
1,2-Dichloroethane	ug/L	<0.28	1.0	09/10/20 06:53	
1,2-Dichloropropane	ug/L	<0.28	1.0	09/10/20 06:53	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	09/10/20 06:53	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	09/10/20 06:53	
1,3-Dichloropropane	ug/L	<0.83	2.8	09/10/20 06:53	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	09/10/20 06:53	
2,2-Dichloropropane	ug/L	<2.3	7.6	09/10/20 06:53	
2-Chlorotoluene	ug/L	<0.93	5.0	09/10/20 06:53	
4-Chlorotoluene	ug/L	<0.76	2.5	09/10/20 06:53	
Benzene	ug/L	<0.25	1.0	09/10/20 06:53	
Bromobenzene	ug/L	<0.24	1.0	09/10/20 06:53	
Bromochloromethane	ug/L	<0.36	5.0	09/10/20 06:53	
Bromodichloromethane	ug/L	<0.36	1.2	09/10/20 06:53	
Bromoform	ug/L	<4.0	13.2	09/10/20 06:53	
Bromomethane	ug/L	<0.97	5.0	09/10/20 06:53	
Carbon tetrachloride	ug/L	<1.1	3.6	09/10/20 06:53	
Chlorobenzene	ug/L	<0.71	2.4	09/10/20 06:53	
Chloroethane	ug/L	<1.3	5.0	09/10/20 06:53	
Chloroform	ug/L	<1.3	5.0	09/10/20 06:53	
Chloromethane	ug/L	<2.2	7.3	09/10/20 06:53	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	09/10/20 06:53	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	09/10/20 06:53	
Dibromochloromethane	ug/L	<2.6	8.7	09/10/20 06:53	
Dibromomethane	ug/L	<0.94	3.1	09/10/20 06:53	
Dichlorodifluoromethane	ug/L	<0.50	5.0	09/10/20 06:53	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 8318 U&L STRIPPING  
Pace Project No.: 40214184

METHOD BLANK: 2108644 Matrix: Water  
Associated Lab Samples: 40214184001, 40214184002, 40214184003, 40214184004, 40214184005, 40214184006, 40214184007, 40214184008, 40214184009, 40214184010, 40214184011, 40214184012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	ug/L	<1.9	6.3	09/10/20 06:53	
Ethylbenzene	ug/L	<0.32	1.1	09/10/20 06:53	
Hexachloro-1,3-butadiene	ug/L	1.6J	4.9	09/10/20 06:53	
Isopropylbenzene (Cumene)	ug/L	<1.7	5.6	09/10/20 06:53	
m&p-Xylene	ug/L	<0.47	2.0	09/10/20 06:53	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	09/10/20 06:53	
Methylene Chloride	ug/L	<0.58	5.0	09/10/20 06:53	
n-Butylbenzene	ug/L	<0.71	2.4	09/10/20 06:53	
n-Propylbenzene	ug/L	<0.81	5.0	09/10/20 06:53	
Naphthalene	ug/L	<1.2	5.0	09/10/20 06:53	
o-Xylene	ug/L	<0.26	1.0	09/10/20 06:53	
p-Isopropyltoluene	ug/L	<0.80	2.7	09/10/20 06:53	
sec-Butylbenzene	ug/L	<0.85	5.0	09/10/20 06:53	
Styrene	ug/L	<3.0	10.0	09/10/20 06:53	
tert-Butylbenzene	ug/L	<0.30	1.0	09/10/20 06:53	
Tetrachloroethene	ug/L	<0.33	1.1	09/10/20 06:53	
Toluene	ug/L	<0.27	1.0	09/10/20 06:53	
trans-1,2-Dichloroethene	ug/L	<0.46	1.5	09/10/20 06:53	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	09/10/20 06:53	
Trichloroethene	ug/L	<0.26	1.0	09/10/20 06:53	
Trichlorofluoromethane	ug/L	<0.21	1.0	09/10/20 06:53	
Vinyl chloride	ug/L	<0.17	1.0	09/10/20 06:53	
4-Bromofluorobenzene (S)	%	100	70-130	09/10/20 06:53	
Dibromofluoromethane (S)	%	104	70-130	09/10/20 06:53	
Toluene-d8 (S)	%	100	70-130	09/10/20 06:53	

LABORATORY CONTROL SAMPLE: 2108645

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	48.4	97	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	47.7	95	64-131	
1,1,2-Trichloroethane	ug/L	50	49.9	100	70-130	
1,1-Dichloroethane	ug/L	50	50.6	101	69-163	
1,1-Dichloroethene	ug/L	50	47.3	95	77-123	
1,2,4-Trichlorobenzene	ug/L	50	46.4	93	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	39.2	78	63-130	
1,2-Dibromoethane (EDB)	ug/L	50	47.5	95	70-130	
1,2-Dichlorobenzene	ug/L	50	48.2	96	70-130	
1,2-Dichloroethane	ug/L	50	48.8	98	78-142	
1,2-Dichloropropane	ug/L	50	47.3	95	86-134	
1,3-Dichlorobenzene	ug/L	50	48.7	97	70-130	
1,4-Dichlorobenzene	ug/L	50	48.8	98	70-130	
Benzene	ug/L	50	49.3	99	70-130	

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### QUALITY CONTROL DATA

Project: 8318 U&L STRIPPING

Pace Project No.: 40214184

LABORATORY CONTROL SAMPLE: 2108645

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/L	50	51.3	103	70-130	
Bromoform	ug/L	50	52.1	104	70-130	
Bromomethane	ug/L	50	29.2	58	39-129	
Carbon tetrachloride	ug/L	50	50.0	100	70-132	
Chlorobenzene	ug/L	50	50.7	101	70-130	
Chloroethane	ug/L	50	43.5	87	66-140	
Chloroform	ug/L	50	52.5	105	75-132	
Chloromethane	ug/L	50	29.6	59	32-143	
cis-1,2-Dichloroethene	ug/L	50	49.1	98	70-130	
cis-1,3-Dichloropropene	ug/L	50	45.3	91	70-130	
Dibromochloromethane	ug/L	50	49.4	99	70-130	
Dichlorodifluoromethane	ug/L	50	30.9	62	10-141	
Ethylbenzene	ug/L	50	51.6	103	80-120	
Isopropylbenzene (Cumene)	ug/L	50	49.9	100	70-130	
m&p-Xylene	ug/L	100	99.9	100	70-130	
Methyl-tert-butyl ether	ug/L	50	42.5	85	61-129	
Methylene Chloride	ug/L	50	48.9	98	70-130	
o-Xylene	ug/L	50	49.1	98	70-130	
Styrene	ug/L	50	48.5	97	70-130	
Tetrachloroethene	ug/L	50	51.6	103	70-130	
Toluene	ug/L	50	49.3	99	80-120	
trans-1,2-Dichloroethene	ug/L	50	48.9	98	70-130	
trans-1,3-Dichloropropene	ug/L	50	41.8	84	69-130	
Trichloroethene	ug/L	50	52.4	105	70-130	
Trichlorofluoromethane	ug/L	50	52.2	104	75-145	
Vinyl chloride	ug/L	50	38.3	77	51-140	
4-Bromofluorobenzene (S)	%			102	70-130	
Dibromofluoromethane (S)	%			103	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2109162 2109163

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40214184002 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
1,1,1-Trichloroethane	ug/L	<0.24	50	50	49.1	50.8	98	102	70-130	3	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	48.9	50.3	98	101	64-137	3	20	
1,1,2-Trichloroethane	ug/L	<0.55	50	50	50.6	52.0	101	104	70-137	3	20	
1,1-Dichloroethane	ug/L	<0.27	50	50	51.3	52.3	103	105	69-163	2	20	
1,1-Dichloroethene	ug/L	<0.24	50	50	47.9	49.0	96	98	77-129	2	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	47.8	48.5	95	97	68-130	1	20	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	42.7	43.0	85	86	60-130	1	20	
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	48.6	50.5	97	101	70-130	4	20	
1,2-Dichlorobenzene	ug/L	<0.71	50	50	48.7	49.4	97	99	70-130	1	20	
1,2-Dichloroethane	ug/L	<0.28	50	50	49.3	50.6	99	101	78-145	3	20	

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### QUALITY CONTROL DATA

Project: 8318 U&L STRIPPING  
Pace Project No.: 40214184

Parameter	Units	2109162		2109163		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40214184002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
1,2-Dichloropropane	ug/L	<0.28	50	50	47.8	48.8	96	98	86-135	2	20	
1,3-Dichlorobenzene	ug/L	<0.63	50	50	49.5	49.9	99	100	70-130	1	20	
1,4-Dichlorobenzene	ug/L	<0.94	50	50	49.1	50.0	98	100	70-130	2	20	
Benzene	ug/L	<0.25	50	50	49.7	51.0	99	102	70-136	3	20	
Bromodichloromethane	ug/L	<0.36	50	50	51.8	53.0	104	106	70-130	2	20	
Bromoform	ug/L	<4.0	50	50	53.6	55.8	107	112	69-130	4	20	
Bromomethane	ug/L	<0.97	50	50	30.9	34.0	61	68	39-138	10	20	
Carbon tetrachloride	ug/L	<1.1	50	50	51.2	52.9	102	106	70-142	3	20	
Chlorobenzene	ug/L	<0.71	50	50	50.2	51.9	100	104	70-130	3	20	
Chloroethane	ug/L	<1.3	50	50	44.3	45.7	89	91	61-149	3	20	
Chloroform	ug/L	<1.3	50	50	52.6	54.3	105	109	75-133	3	20	
Chloromethane	ug/L	<2.2	50	50	29.9	30.6	60	61	32-143	2	20	
cis-1,2-Dichloroethene	ug/L	0.89J	50	50	50.2	51.4	99	101	70-130	2	20	
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	45.9	46.9	92	94	70-130	2	20	
Dibromochloromethane	ug/L	<2.6	50	50	49.7	51.9	99	104	70-130	4	20	
Dichlorodifluoromethane	ug/L	<0.50	50	50	31.3	32.0	63	64	10-141	2	20	
Ethylbenzene	ug/L	<0.32	50	50	51.1	52.6	102	105	80-120	3	20	
Isopropylbenzene (Cumene)	ug/L	<1.7	50	50	49.5	50.9	99	102	70-130	3	20	
m&p-Xylene	ug/L	<0.47	100	100	99.1	103	99	103	70-130	3	20	
Methyl-tert-butyl ether	ug/L	<1.2	50	50	43.7	45.4	87	91	61-136	4	20	
Methylene Chloride	ug/L	<0.58	50	50	49.2	50.5	98	101	68-137	3	20	
o-Xylene	ug/L	<0.26	50	50	48.4	50.3	97	101	70-130	4	20	
Styrene	ug/L	<3.0	50	50	48.2	49.5	96	99	70-130	3	20	
Tetrachloroethene	ug/L	<0.33	50	50	51.7	53.3	103	107	70-130	3	20	
Toluene	ug/L	<0.27	50	50	49.1	50.4	98	101	80-120	3	20	
trans-1,2-Dichloroethene	ug/L	<0.46	50	50	49.6	51.1	99	102	70-130	3	20	
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	42.7	44.0	85	88	69-130	3	20	
Trichloroethene	ug/L	<0.26	50	50	52.4	53.5	104	107	70-130	2	20	
Trichlorofluoromethane	ug/L	<0.21	50	50	53.3	54.4	107	109	74-157	2	20	
Vinyl chloride	ug/L	<0.17	50	50	39.3	40.6	79	81	51-140	3	20	
4-Bromofluorobenzene (S)	%						101	102	70-130			
Dibromofluoromethane (S)	%						105	106	70-130			
Toluene-d8 (S)	%						99	99	70-130			

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 8318 U&L STRIPPING  
Pace Project No.: 40214184

QC Batch:	365158	Analysis Method:	HACH 8146
QC Batch Method:	HACH 8146	Analysis Description:	Iron, Ferrous
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40214184002, 40214184003, 40214184004, 40214184005, 40214184006, 40214184007, 40214184008, 40214184011, 40214184012

METHOD BLANK: 2110232 Matrix: Water  
Associated Lab Samples: 40214184002, 40214184003, 40214184004, 40214184005, 40214184006, 40214184007, 40214184008, 40214184011, 40214184012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron, Ferrous	mg/L	<0.021	0.069	09/10/20 15:55	H6

LABORATORY CONTROL SAMPLE: 2110233

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	0.6	0.60	100	80-120	H6

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2110234 2110235

Parameter	Units	40214184002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Ferrous	mg/L	<0.021	0.6	0.6	0.63	0.60	106	100	80-120	5	20	H6

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### QUALITY CONTROL DATA

Project: 8318 U&L STRIPPING

Pace Project No.: 40214184

QC Batch:	364868	Analysis Method:	EPA 300.0
QC Batch Method:	EPA 300.0	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40214184002, 40214184003, 40214184004, 40214184005, 40214184006, 40214184007, 40214184008, 40214184011, 40214184012

METHOD BLANK: 2108750 Matrix: Water

Associated Lab Samples: 40214184002, 40214184003, 40214184004, 40214184005, 40214184006, 40214184007, 40214184008, 40214184011, 40214184012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<0.43	2.0	09/08/20 21:33	
Nitrate as N	mg/L	<0.044	0.15	09/08/20 21:33	
Sulfate	mg/L	<0.44	2.0	09/08/20 21:33	

LABORATORY CONTROL SAMPLE: 2108751

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	20	20.8	104	90-110	
Nitrate as N	mg/L	1.5	1.6	104	90-110	
Sulfate	mg/L	20	20.9	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2108752 2108753

Parameter	Units	2108752		2108753		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Chloride	mg/L	2.8	20	24.0	24.1	106	106	90-110	1	15	
Nitrate as N	mg/L	<0.044	1.5	1.6	1.6	106	107	90-110	1	15	
Sulfate	mg/L	0.48J	20	22.1	22.2	108	109	90-110	1	15	

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## QUALIFIERS

Project: 8318 U&L STRIPPING

Pace Project No.: 40214184

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### ANALYTE QUALIFIERS

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

E Analyte concentration exceeded the calibration range. The reported result is estimated.

H1 Analysis conducted outside the recognized method holding time.

H3 Sample was received or analysis requested beyond the recognized method holding time.

H6 Analysis initiated outside of the 15 minute EPA required holding time.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 8318 U&L STRIPPING  
Pace Project No.: 40214184

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40214184002	PZ1700	EPA 8015B Modified	365429		
40214184003	MW1000	EPA 8015B Modified	365429		
40214184004	MW3200	EPA 8015B Modified	365429		
40214184005	MW2000R	EPA 8015B Modified	365429		
40214184006	MW600R	EPA 8015B Modified	365429		
40214184007	MW2100	EPA 8015B Modified	365429		
40214184008	MW1500	EPA 8015B Modified	365429		
40214184010	MW300	EPA 8015B Modified	365429		
40214184011	MW100	EPA 8015B Modified	365429		
40214184012	MW800R	EPA 8015B Modified	365429		
40214184002	PZ1700	EPA 3010	364926	EPA 6010	365015
40214184003	MW1000	EPA 3010	364926	EPA 6010	365015
40214184004	MW3200	EPA 3010	364926	EPA 6010	365015
40214184005	MW2000R	EPA 3010	364926	EPA 6010	365015
40214184006	MW600R	EPA 3010	364926	EPA 6010	365015
40214184007	MW2100	EPA 3010	364926	EPA 6010	365015
40214184008	MW1500	EPA 3010	364926	EPA 6010	365015
40214184011	MW100	EPA 3010	364926	EPA 6010	365015
40214184012	MW800R	EPA 3010	364926	EPA 6010	365015
40214184001	TW1400	EPA 8260	364844		
40214184002	PZ1700	EPA 8260	364844		
40214184003	MW1000	EPA 8260	364844		
40214184004	MW3200	EPA 8260	364844		
40214184005	MW2000R	EPA 8260	364844		
40214184006	MW600R	EPA 8260	364844		
40214184007	MW2100	EPA 8260	364844		
40214184008	MW1500	EPA 8260	364844		
40214184009	MW200	EPA 8260	364844		
40214184010	MW300	EPA 8260	364844		
40214184011	MW100	EPA 8260	364844		
40214184012	MW800R	EPA 8260	364844		
40214184002	PZ1700	HACH 8146	365158		
40214184003	MW1000	HACH 8146	365158		
40214184004	MW3200	HACH 8146	365158		
40214184005	MW2000R	HACH 8146	365158		
40214184006	MW600R	HACH 8146	365158		
40214184007	MW2100	HACH 8146	365158		
40214184008	MW1500	HACH 8146	365158		
40214184011	MW100	HACH 8146	365158		
40214184012	MW800R	HACH 8146	365158		
40214184002	PZ1700	EPA 300.0	364868		
40214184003	MW1000	EPA 300.0	364868		
40214184004	MW3200	EPA 300.0	364868		
40214184005	MW2000R	EPA 300.0	364868		
40214184006	MW600R	EPA 300.0	364868		
40214184007	MW2100	EPA 300.0	364868		
40214184008	MW1500	EPA 300.0	364868		

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 8318 U&L STRIPPING

Pace Project No.: 40214184

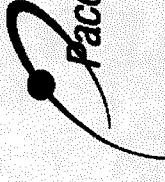
Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40214184011	MW100	EPA 300.0	364868		
40214184012	MW800R	EPA 300.0	364868		

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(Please Print Clearly)

**Company Name:** RCT  
**Branch/Location:** Warsaw  
**Project Contact:** Andy DeForse  
**Phone:** 715 675 9784  
**Project Number:** 8318  
**Project Name:** UGL Stripping  
**Project State:** WI  
**Sampled By (Print):** Paul Bush  
**Sampled By (Sign):** *[Signature]*



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### CHAIN OF CUSTODY

**\*Preservation Codes**  
A=None B=HCl C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH  
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

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

Regulatory Program:

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

**MS/MSD**  
 On your sample (billable)  
 NOT needed on your sample

**Matrix Codes**  
W=Water  
DW=Drinking Water  
GW=Ground Water  
SW=Surface Water  
WP=Waste Water  
SL=Sludge

PAGE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
001	TW1400	9-3-20	8:40	GW
002	PZ1700		8:00	
003	MW1000		9:15	
004	MW3200		8:30	
005	MW200R		6:00	
006	MW600R		8:55	
007	MW200*		8:30	
008	MW1500		10:15	
009	MW200		10:30	
010	MW300		10:45	
011	MW100		11:00	
012	MW800R		11:15	

UPPER MIDWEST REGION  
 MN: 612-607-1700 WI: 920-469-2436  
 Page 1 of 44

Quote #: 6044184

Mail To Contact:	APELLERZECKE ENGINEERING INC
Mail To Company:	RET
Mail To Address:	
Invoice To Contact:	SAA
Invoice To Company:	SAA
Invoice To Address:	SAA
Invoice To Phone:	SAA
LAB COMMENTS	(Lab Use Only)
CLIENT COMMENTS	

Y/N	Pick Letter	ANALYSES REQUESTED	DATE	TIME	MATRIX
		VOC's			
		Chloride, Ferric Chloride			
		TOC			
		Methane Ethane Ethene			

<b>Rush Turnaround Time Requested - Prelims</b> (Rush TAT subject to approval/surcharge)		Date Needed:	9/3/20 12:30 pm	Relinquished By:	
Transmit Prelim Rush Results by (complete what you want):		Date Needed:	9/15/20 08:30	Relinquished By:	WAT 1700
Email #1:		Date/Time:		Relinquished By:	
Email #2:		Date/Time:		Relinquished By:	
Telephone:		Date/Time:		Relinquished By:	
Fax:		Date/Time:		Relinquished By:	

Version 6.0 09/14/06 ORIGINAL

**Sample Preservation Receipt Form**

Client Name: REI

Project # 204184

Initial when completed: gnw Date: \_\_\_\_\_ Time: \_\_\_\_\_

All containers needing preservation have been checked and noted below: Yes  No  N/A   
 Lab Lot# of pH paper: 6080111 Lab Std #ID of preservation (if pH adjusted): 125082

Pace Lab #	Glass					Plastic					Vials					Jars					General			VOA Vials (>6mm) *	H2SO4 pH ≤ 2	NaOH+Zn Act pH ≥ 9	NaOH pH ≥ 12	HNO3 pH ≤ 2	pH after adjusted	Volume (mL)								
	AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JG9U	WG9U	WPFU	SP5T								ZPLC	GN						
001																														2.5/5/10								
002																																						
003																																						
004																																						
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017																																						
018																																						
019																																						
020																																						

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

AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JG9U	WG9U	WPFU	SP5T	ZPLC	GN	
1 liter amber glass	1 liter clear glass	1 liter amber glass HCL	125 mL amber glass H2SO4	120 mL amber glass unpres	100 mL amber glass unpres	500 mL amber glass H2SO4	250 mL clear glass unpres	1 liter plastic unpres	250 mL plastic unpres	250 mL plastic NaOH	250 mL plastic HNO3	250 mL plastic H2SO4	40 mL clear vial DI	40 mL clear vial DI	40 mL clear vial MeOH	40 mL clear vial HCL	40 mL clear vial unpres	40 mL clear vial unpres	4 oz amber jar unpres	4 oz amber jar unpres	4 oz clear jar unpres	4 oz plastic jar unpres	120 mL plastic Na Thiosulfate	ziploc bag	

gnw  
 1/21/20  
 Page 1 of 3



1241 Bellevue Street, Green Bay, WI 54302

Document Name:  
Sample Condition Upon Receipt (SCUR)

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

Document Revised: 25Apr2018

Issuing Authority:  
Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Client Name: REI Project # 40214184

Additional Comments/Resolution: 002  $\frac{1}{2}$  004 Nitrates

EMW  
9/15/20

EMW  
9/15/20

sampled 9/3/20 past hold. arrived past hold

EMW  
9/15/20

EMW  
9/15/20

001, 009,  $\frac{1}{2}$  010 no volume for BP1U, BP3S,  
and BP3N received for required analysis.

3 vials received for 001 and 2 vials received  
for 009.

EMW  
9/15/20

001 ID "MW 1400", 006 ID on 1 vial

"MW 000R" and time on 1 vial "0805"

EMW  
9/15/20

Project Manager Review: \_\_\_\_\_

Date: \_\_\_\_\_





1241 Bellevue Street, Green Bay, WI 54302

Document Name:  
Sample Condition Upon Receipt (SCUR)

Document Revised: 26Mar2020

Document No.:  
ENV-FRM-GBAY-0014-Rev.00

Author:  
Pace Green Bay Quality Office

### Sample Condition Upon Receipt Form (SCUR)

Client Name:

REI

Project #:

WO#: **40214184**



40214184

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

Tracking #: 2563649-1

Custody Seal on Cooler/Box Present:  yes  no    Seals intact:  yes  no

Custody Seal on Samples Present:  yes  no    Seals intact:  yes  no

Packing Material:  Bubble Wrap  Bubble Bags  None  Other

Thermometer Used: SR - NA    Type of Ice:  Wet  Blue  Dry  None

Samples on ice, cooling process has begun

Cooler Temperature: Unconn. REI / Corr: \_\_\_\_\_

Temp Blank Present:  yes  no

Biological Tissue is Frozen:  yes  no

Person examining contents:  
Date: 9/15/20 Initials: EMW

Temp should be above freezing to 6°C.

Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Labeled By Initials: EMW

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.	
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2.	<u>No pg#</u>
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.	
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.	
Samples Arrived within Hold Time:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5.	<u>* See attached sheet</u>
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:	<u>EMW 9/15/20</u>
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	6.	
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.	
Sufficient Volume:		8.	<u>* See attached sheet</u>
For Analysis: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No    MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			<u>EMW 9/15/20</u>
Correct Containers Used:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	9.	<u>No amber glass for FOC</u>
- Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		<u>EMW 9/15/20</u>
- Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.	
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.	
Sample Labels match COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12.	<u>* See attached sheet</u>
- Includes date/time/ID/Analysis    Matrix: <u>W</u>			<u>EMW 9/15/20</u>
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	13.	
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
Pace Trip Blank Lot # (if purchased):			

#### Client Notification/ Resolution:

If checked, see attached form for additional comments

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
Comments/ Resolution: \_\_\_\_\_

PM Review is documented electronically in LIMS. By releasing the project, the PM acknowledges they have reviewed the sample logir

**ATTACHMENT D**

**VAPOR ANALYTICAL REPORT**



# Synergy Environmental Lab, INC

1990 Prospect Ct., Appleton, WI 54914 \*P 920-830-2455 \* F 920-733-0631

ANDY DELFORGE  
REI  
4080 N. 20TH AVENUE  
WAUSAU, WI 54401

Report Date 25-Sep-20

Project Name V&L STRIPPING  
Project # 8318

Invoice # E38461

Lab Code 5038461A  
Sample ID WEST  
Sample Matrix Air  
Sample Date 9/3/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	< 0.897	ug/m3	0.897	2.85	3	TO-15		9/17/2020	CJR	1
Acrolein	3.03	ug/m3	0.282	0.897	3	TO-15		9/17/2020	CJR	1
Benzene	56	ug/m3	0.408	1.299	3	TO-15		9/17/2020	CJR	1
Benzyl Chloride	< 0.627	ug/m3	0.627	1.995	3	TO-15		9/17/2020	CJR	1
Bromodichloromethane	< 1.122	ug/m3	1.122	3.57	3	TO-15		9/17/2020	CJR	1
Bromoform	< 1.242	ug/m3	1.242	3.96	3	TO-15		9/17/2020	CJR	1
Bromomethane	< 0.6	ug/m3	0.6	1.911	3	TO-15		9/17/2020	CJR	1
1,3-Butadiene	< 0.429	ug/m3	0.429	1.362	3	TO-15		9/17/2020	CJR	1
Carbon Disulfide	20.2	ug/m3	0.414	1.32	3	TO-15		9/17/2020	CJR	1
Carbon Tetrachloride	< 0.921	ug/m3	0.921	2.934	3	TO-15		9/17/2020	CJR	1
Chlorobenzene	< 0.753	ug/m3	0.753	2.394	3	TO-15		9/17/2020	CJR	1
Chloroethane	< 0.477	ug/m3	0.477	1.521	3	TO-15		9/17/2020	CJR	1
Chloroform	< 0.9	ug/m3	0.9	2.859	3	TO-15		9/17/2020	CJR	1
Chloromethane	< 2.493	ug/m3	2.493	7.92	3	TO-15		9/17/2020	CJR	1
Cyclohexane	13.5	ug/m3	0.636	2.022	3	TO-15		9/17/2020	CJR	1
Dibromochloromethane	< 1.128	ug/m3	1.128	3.6	3	TO-15		9/17/2020	CJR	1
1,4-Dichlorobenzene	1.8 "J"	ug/m3	0.906	2.88	3	TO-15		9/17/2020	CJR	1
1,3-Dichlorobenzene	< 0.906	ug/m3	0.906	2.88	3	TO-15		9/17/2020	CJR	1
1,2-Dichlorobenzene	< 0.705	ug/m3	0.705	2.247	3	TO-15		9/17/2020	CJR	1
Dichlorodifluoromethane	3.11	ug/m3	0.789	2.508	3	TO-15		9/17/2020	CJR	1
1,2-Dichloroethane	< 0.72	ug/m3	0.72	2.289	3	TO-15		9/17/2020	CJR	1
1,1-Dichloroethane	< 0.561	ug/m3	0.561	1.788	3	TO-15		9/17/2020	CJR	1
1,1-Dichloroethene	< 0.63	ug/m3	0.63	2.004	3	TO-15		9/17/2020	CJR	1
cis-1,2-Dichloroethene	< 0.591	ug/m3	0.591	1.878	3	TO-15		9/17/2020	CJR	1
trans-1,2-Dichloroethene	< 0.693	ug/m3	0.693	2.202	3	TO-15		9/17/2020	CJR	1

Project Name V&L STRIPPING  
Project # 8318

Invoice # E38461

Lab Code 5038461A  
Sample ID WEST  
Sample Matrix Air  
Sample Date 9/3/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2-Dichloropropane	< 0.84	ug/m3	0.84	2.67	3	TO-15		9/17/2020	CJR	1
trans-1,3-Dichloropropene	< 0.594	ug/m3	0.594	1.89	3	TO-15		9/17/2020	CJR	1
cis-1,3-Dichloropropene	< 0.702	ug/m3	0.702	2.235	3	TO-15		9/17/2020	CJR	1
1,2-Dichlorotetrafluoroethane	< 1.338	ug/m3	1.338	4.26	3	TO-15		9/17/2020	CJR	1
1,4-Dioxane	< 0.471	ug/m3	0.471	1.5	3	TO-15		9/17/2020	CJR	1
EDB (1,2-Dibromoethane)	< 1.026	ug/m3	1.026	3.27	3	TO-15		9/17/2020	CJR	1
Ethanol	130	ug/m3	0.456	1.446	3	TO-15		9/17/2020	CJR	1
Ethyl Acetate	< 0.528	ug/m3	0.528	1.677	3	TO-15		9/17/2020	CJR	1
Ethylbenzene	38	ug/m3	0.609	1.935	3	TO-15		9/17/2020	CJR	1
4-Ethyltoluene	15.3	ug/m3	0.642	2.043	3	TO-15		9/17/2020	CJR	1
Heptane	46	ug/m3	0.795	2.535	3	TO-15		9/17/2020	CJR	1
Hexachlorobutadiene	< 1.467	ug/m3	1.467	4.68	3	TO-15		9/17/2020	CJR	1
Hexane	45	ug/m3	0.705	2.244	3	TO-15		9/17/2020	CJR	1
2-Hexanone	< 0.666	ug/m3	0.666	2.121	3	TO-15		9/17/2020	CJR	1
Isopropyl Alcohol	< 0.327	ug/m3	0.327	1.041	3	TO-15		9/17/2020	CJR	1
Methyl ethyl ketone (MEK)	4.8	ug/m3	0.534	1.701	3	TO-15		9/17/2020	CJR	1
Methyl isobutyl ketone (MIBK)	< 0.504	ug/m3	0.504	1.608	3	TO-15		9/17/2020	CJR	1
Methyl Methacrylate	< 0.651	ug/m3	0.651	2.07	3	TO-15		9/17/2020	CJR	1
Methylene chloride	< 45	ug/m3	0.477	1.518	3	TO-15		9/17/2020	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.48	ug/m3	0.48	1.527	3	TO-15		9/17/2020	CJR	1
Naphthalene	7.8	ug/m3	2.025	6.45	3	TO-15		9/17/2020	CJR	1
Propene	< 0.237	ug/m3	0.237	0.753	3	TO-15		9/17/2020	CJR	1
Styrene	0.64 "J"	ug/m3	0.543	1.731	3	TO-15		9/17/2020	CJR	1
1,1,2,2-Tetrachloroethane	< 0.975	ug/m3	0.975	3.09	3	TO-15		9/17/2020	CJR	1
Tetrachloroethene	5.7	ug/m3	0.834	2.652	3	TO-15		9/17/2020	CJR	1
Tetrahydrofuran	< 0.393	ug/m3	0.393	1.251	3	TO-15		9/17/2020	CJR	1
Toluene	245	ug/m3	0.552	1.755	3	TO-15		9/17/2020	CJR	1
1,2,4-Trichlorobenzene	< 1.971	ug/m3	1.971	6.27	3	TO-15		9/17/2020	CJR	1
1,1,1-Trichloroethane	< 0.747	ug/m3	0.747	2.379	3	TO-15		9/17/2020	CJR	1
1,1,2-Trichloroethane	< 0.774	ug/m3	0.774	2.466	3	TO-15		9/17/2020	CJR	1
Trichloroethene (TCE)	< 0.711	ug/m3	0.711	2.262	3	TO-15		9/17/2020	CJR	1
Trichlorofluoromethane	2.36 "J"	ug/m3	1.011	3.21	3	TO-15		9/17/2020	CJR	1
Trichlorotrifluoroethane	< 1.206	ug/m3	1.206	3.84	3	TO-15		9/17/2020	CJR	1
1,2,4-Trimethylbenzene	54	ug/m3	0.849	2.697	3	TO-15		9/17/2020	CJR	1
1,3,5-Trimethylbenzene	12.2	ug/m3	0.696	2.217	3	TO-15		9/17/2020	CJR	1
Vinyl acetate	< 0.609	ug/m3	0.609	1.935	3	TO-15		9/17/2020	CJR	1
Vinyl Chloride	< 0.444	ug/m3	0.444	1.416	3	TO-15		9/17/2020	CJR	1
m&p-Xylene	137	ug/m3	1.131	3.6	3	TO-15		9/17/2020	CJR	1
o-Xylene	51	ug/m3	0.654	2.085	3	TO-15		9/17/2020	CJR	1

Project Name V&L STRIPPING  
 Project # 8318

Invoice # E38461

Lab Code 5038461B  
 Sample ID CENTER  
 Sample Matrix Air  
 Sample Date 9/3/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	20.6	ug/m3	0.598	1.9	2	TO-15		9/17/2020	CJR	1
Acrolein	< 0.188	ug/m3	0.188	0.598	2	TO-15		9/17/2020	CJR	1
Benzene	54	ug/m3	0.272	0.866	2	TO-15		9/17/2020	CJR	1
Benzyl Chloride	< 0.418	ug/m3	0.418	1.33	2	TO-15		9/17/2020	CJR	1
Bromodichloromethane	< 0.748	ug/m3	0.748	2.38	2	TO-15		9/17/2020	CJR	1
Bromoform	< 0.828	ug/m3	0.828	2.64	2	TO-15		9/17/2020	CJR	1
Bromomethane	< 0.4	ug/m3	0.4	1.274	2	TO-15		9/17/2020	CJR	1
1,3-Butadiene	< 0.286	ug/m3	0.286	0.908	2	TO-15		9/17/2020	CJR	1
Carbon Disulfide	2.86	ug/m3	0.276	0.88	2	TO-15		9/17/2020	CJR	1
Carbon Tetrachloride	< 0.614	ug/m3	0.614	1.956	2	TO-15		9/17/2020	CJR	1
Chlorobenzene	< 0.502	ug/m3	0.502	1.596	2	TO-15		9/17/2020	CJR	1
Chloroethane	< 0.318	ug/m3	0.318	1.014	2	TO-15		9/17/2020	CJR	1
Chloroform	< 0.6	ug/m3	0.6	1.906	2	TO-15		9/17/2020	CJR	1
Chloromethane	< 1.662	ug/m3	1.662	5.28	2	TO-15		9/17/2020	CJR	1
Cyclohexane	12.5	ug/m3	0.424	1.348	2	TO-15		9/17/2020	CJR	1
Dibromochloromethane	< 0.752	ug/m3	0.752	2.4	2	TO-15		9/17/2020	CJR	1
1,4-Dichlorobenzene	0.96 "J"	ug/m3	0.604	1.92	2	TO-15		9/17/2020	CJR	1
1,3-Dichlorobenzene	< 0.604	ug/m3	0.604	1.92	2	TO-15		9/17/2020	CJR	1
1,2-Dichlorobenzene	< 0.47	ug/m3	0.47	1.498	2	TO-15		9/17/2020	CJR	1
Dichlorodifluoromethane	3.2	ug/m3	0.526	1.672	2	TO-15		9/17/2020	CJR	1
1,2-Dichloroethane	< 0.48	ug/m3	0.48	1.526	2	TO-15		9/17/2020	CJR	1
1,1-Dichloroethane	< 0.374	ug/m3	0.374	1.192	2	TO-15		9/17/2020	CJR	1
1,1-Dichloroethene	< 0.42	ug/m3	0.42	1.336	2	TO-15		9/17/2020	CJR	1
cis-1,2-Dichloroethene	< 0.394	ug/m3	0.394	1.252	2	TO-15		9/17/2020	CJR	1
trans-1,2-Dichloroethene	< 0.462	ug/m3	0.462	1.468	2	TO-15		9/17/2020	CJR	1
1,2-Dichloropropane	< 0.56	ug/m3	0.56	1.78	2	TO-15		9/17/2020	CJR	1
trans-1,3-Dichloropropene	< 0.396	ug/m3	0.396	1.26	2	TO-15		9/17/2020	CJR	1
cis-1,3-Dichloropropene	< 0.468	ug/m3	0.468	1.49	2	TO-15		9/17/2020	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.892	ug/m3	0.892	2.84	2	TO-15		9/17/2020	CJR	1
1,4-Dioxane	< 0.314	ug/m3	0.314	1	2	TO-15		9/17/2020	CJR	1
EDB (1,2-Dibromoethane)	< 0.684	ug/m3	0.684	2.18	2	TO-15		9/17/2020	CJR	1
Ethanol	109	ug/m3	0.304	0.964	2	TO-15		9/17/2020	CJR	1
Ethyl Acetate	< 0.352	ug/m3	0.352	1.118	2	TO-15		9/17/2020	CJR	1
Ethylbenzene	37	ug/m3	0.406	1.29	2	TO-15		9/17/2020	CJR	1
4-Ethyltoluene	15	ug/m3	0.428	1.362	2	TO-15		9/17/2020	CJR	1
Heptane	44	ug/m3	0.53	1.69	2	TO-15		9/17/2020	CJR	1
Hexachlorobutadiene	< 0.978	ug/m3	0.978	3.12	2	TO-15		9/17/2020	CJR	1
Hexane	39	ug/m3	0.47	1.496	2	TO-15		9/17/2020	CJR	1
2-Hexanone	< 0.444	ug/m3	0.444	1.414	2	TO-15		9/17/2020	CJR	1
Isopropyl Alcohol	< 0.218	ug/m3	0.218	0.694	2	TO-15		9/17/2020	CJR	1
Methyl ethyl ketone (MEK)	5.4	ug/m3	0.356	1.134	2	TO-15		9/17/2020	CJR	1
Methyl isobutyl ketone (MIBK)	1.15	ug/m3	0.336	1.072	2	TO-15		9/17/2020	CJR	1
Methyl Methacrylate	< 0.434	ug/m3	0.434	1.38	2	TO-15		9/17/2020	CJR	1
Methylene chloride	< 30	ug/m3	0.318	1.012	2	TO-15		9/17/2020	CJR	1

**Project Name** V&L STRIPPING  
**Project #** 8318

**Invoice #** E38461

**Lab Code** 5038461B  
**Sample ID** CENTER  
**Sample Matrix** Air  
**Sample Date** 9/3/2020

	<b>Result</b>	<b>Unit</b>	<b>LOD</b>	<b>LOQ</b>	<b>Dil</b>	<b>Method</b>	<b>Ext Date</b>	<b>Run Date</b>	<b>Analyst</b>	<b>Code</b>
Methyl tert-butyl ether (MTBE)	< 0.32	ug/m3	0.32	1.018	2	TO-15		9/17/2020	CJR	1
Naphthalene	6.2	ug/m3	1.35	4.3	2	TO-15		9/17/2020	CJR	1
Propene	< 0.158	ug/m3	0.158	0.502	2	TO-15		9/17/2020	CJR	1
Styrene	0.6 "J"	ug/m3	0.362	1.154	2	TO-15		9/17/2020	CJR	1
1,1,2,2-Tetrachloroethane	< 0.65	ug/m3	0.65	2.06	2	TO-15		9/17/2020	CJR	1
Tetrachloroethene	8.7	ug/m3	0.556	1.768	2	TO-15		9/17/2020	CJR	1
Tetrahydrofuran	< 0.262	ug/m3	0.262	0.834	2	TO-15		9/17/2020	CJR	1
Toluene	236	ug/m3	0.368	1.17	2	TO-15		9/17/2020	CJR	1
1,2,4-Trichlorobenzene	< 1.314	ug/m3	1.314	4.18	2	TO-15		9/17/2020	CJR	1
1,1,1-Trichloroethane	< 0.498	ug/m3	0.498	1.586	2	TO-15		9/17/2020	CJR	1
1,1,2-Trichloroethane	< 0.516	ug/m3	0.516	1.644	2	TO-15		9/17/2020	CJR	1
Trichloroethene (TCE)	1.71	ug/m3	0.474	1.508	2	TO-15		9/17/2020	CJR	1
Trichlorofluoromethane	2.13 "J"	ug/m3	0.674	2.14	2	TO-15		9/17/2020	CJR	1
Trichlorotrifluoroethane	< 0.804	ug/m3	0.804	2.56	2	TO-15		9/17/2020	CJR	1
1,2,4-Trimethylbenzene	52	ug/m3	0.566	1.798	2	TO-15		9/17/2020	CJR	1
1,3,5-Trimethylbenzene	11.6	ug/m3	0.464	1.478	2	TO-15		9/17/2020	CJR	1
Vinyl acetate	< 0.406	ug/m3	0.406	1.29	2	TO-15		9/17/2020	CJR	1
Vinyl Chloride	< 0.296	ug/m3	0.296	0.944	2	TO-15		9/17/2020	CJR	1
m&p-Xylene	132	ug/m3	0.754	2.4	2	TO-15		9/17/2020	CJR	1
o-Xylene	50	ug/m3	0.436	1.39	2	TO-15		9/17/2020	CJR	1

Project Name V&L STRIPPING  
 Project # 8318

Invoice # E38461

Lab Code 5038461C  
 Sample ID EAST  
 Sample Matrix Air  
 Sample Date 9/3/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	45	ug/m3	0.598	1.9	2	TO-15		9/22/2020	CJR	1
Acrolein	< 0.188	ug/m3	0.188	0.598	2	TO-15		9/22/2020	CJR	1
Benzene	54	ug/m3	0.272	0.866	2	TO-15		9/22/2020	CJR	1
Benzyl Chloride	< 0.418	ug/m3	0.418	1.33	2	TO-15		9/22/2020	CJR	1
Bromodichloromethane	< 0.748	ug/m3	0.748	2.38	2	TO-15		9/22/2020	CJR	1
Bromoform	< 0.828	ug/m3	0.828	2.64	2	TO-15		9/22/2020	CJR	1
Bromomethane	< 0.4	ug/m3	0.4	1.274	2	TO-15		9/22/2020	CJR	1
1,3-Butadiene	< 0.286	ug/m3	0.286	0.908	2	TO-15		9/22/2020	CJR	1
Carbon Disulfide	3.2	ug/m3	0.276	0.88	2	TO-15		9/22/2020	CJR	1
Carbon Tetrachloride	0.63 "J"	ug/m3	0.614	1.956	2	TO-15		9/22/2020	CJR	1
Chlorobenzene	< 0.502	ug/m3	0.502	1.596	2	TO-15		9/22/2020	CJR	1
Chloroethane	< 0.318	ug/m3	0.318	1.014	2	TO-15		9/22/2020	CJR	1
Chloroform	< 0.6	ug/m3	0.6	1.906	2	TO-15		9/22/2020	CJR	1
Chloromethane	< 1.662	ug/m3	1.662	5.28	2	TO-15		9/22/2020	CJR	1
Cyclohexane	12.6	ug/m3	0.424	1.348	2	TO-15		9/22/2020	CJR	1
Dibromochloromethane	< 0.752	ug/m3	0.752	2.4	2	TO-15		9/22/2020	CJR	1
1,4-Dichlorobenzene	1.2 "J"	ug/m3	0.604	1.92	2	TO-15		9/22/2020	CJR	1
1,3-Dichlorobenzene	< 0.604	ug/m3	0.604	1.92	2	TO-15		9/22/2020	CJR	1
1,2-Dichlorobenzene	< 0.47	ug/m3	0.47	1.498	2	TO-15		9/22/2020	CJR	1
Dichlorodifluoromethane	3.2	ug/m3	0.526	1.672	2	TO-15		9/22/2020	CJR	1
1,2-Dichloroethane	< 0.48	ug/m3	0.48	1.526	2	TO-15		9/22/2020	CJR	1
1,1-Dichloroethane	< 0.374	ug/m3	0.374	1.192	2	TO-15		9/22/2020	CJR	1
1,1-Dichloroethene	< 0.42	ug/m3	0.42	1.336	2	TO-15		9/22/2020	CJR	1
cis-1,2-Dichloroethene	< 0.394	ug/m3	0.394	1.252	2	TO-15		9/22/2020	CJR	1
trans-1,2-Dichloroethene	< 0.462	ug/m3	0.462	1.468	2	TO-15		9/22/2020	CJR	1
1,2-Dichloropropane	< 0.56	ug/m3	0.56	1.78	2	TO-15		9/22/2020	CJR	1
trans-1,3-Dichloropropene	< 0.396	ug/m3	0.396	1.26	2	TO-15		9/22/2020	CJR	1
cis-1,3-Dichloropropene	< 0.468	ug/m3	0.468	1.49	2	TO-15		9/22/2020	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.892	ug/m3	0.892	2.84	2	TO-15		9/22/2020	CJR	1
1,4-Dioxane	< 0.314	ug/m3	0.314	1	2	TO-15		9/22/2020	CJR	1
EDB (1,2-Dibromoethane)	< 0.684	ug/m3	0.684	2.18	2	TO-15		9/22/2020	CJR	1
Ethanol	104	ug/m3	0.304	0.964	2	TO-15		9/22/2020	CJR	1
Ethyl Acetate	< 0.352	ug/m3	0.352	1.118	2	TO-15		9/22/2020	CJR	1
Ethylbenzene	37	ug/m3	0.406	1.29	2	TO-15		9/22/2020	CJR	1
4-Ethyltoluene	15.5	ug/m3	0.428	1.362	2	TO-15		9/22/2020	CJR	1
Heptane	44	ug/m3	0.53	1.69	2	TO-15		9/22/2020	CJR	1
Hexachlorobutadiene	< 0.978	ug/m3	0.978	3.12	2	TO-15		9/22/2020	CJR	1
Hexane	39	ug/m3	0.47	1.496	2	TO-15		9/22/2020	CJR	1
2-Hexanone	< 0.444	ug/m3	0.444	1.414	2	TO-15		9/22/2020	CJR	1
Isopropyl Alcohol	< 0.218	ug/m3	0.218	0.694	2	TO-15		9/22/2020	CJR	1
Methyl ethyl ketone (MEK)	4.1	ug/m3	0.356	1.134	2	TO-15		9/22/2020	CJR	1
Methyl isobutyl ketone (MIBK)	< 0.336	ug/m3	0.336	1.072	2	TO-15		9/22/2020	CJR	1
Methyl Methacrylate	< 0.434	ug/m3	0.434	1.38	2	TO-15		9/22/2020	CJR	1
Methylene chloride	< 30	ug/m3	0.318	1.012	2	TO-15		9/22/2020	CJR	1

**Project Name** V&L STRIPPING  
**Project #** 8318

**Invoice #** E38461

**Lab Code** 5038461C  
**Sample ID** EAST  
**Sample Matrix** Air  
**Sample Date** 9/3/2020

	<b>Result</b>	<b>Unit</b>	<b>LOD</b>	<b>LOQ</b>	<b>Dil</b>	<b>Method</b>	<b>Ext Date</b>	<b>Run Date</b>	<b>Analyst</b>	<b>Code</b>
Methyl tert-butyl ether (MTBE)	< 0.32	ug/m3	0.32	1.018	2	TO-15		9/22/2020	CJR	1
Naphthalene	5.9	ug/m3	1.35	4.3	2	TO-15		9/22/2020	CJR	1
Propene	< 0.158	ug/m3	0.158	0.502	2	TO-15		9/22/2020	CJR	1
Styrene	0.43 "J"	ug/m3	0.362	1.154	2	TO-15		9/22/2020	CJR	1
1,1,2,2-Tetrachloroethane	< 0.65	ug/m3	0.65	2.06	2	TO-15		9/22/2020	CJR	1
Tetrachloroethene	14.4	ug/m3	0.556	1.768	2	TO-15		9/22/2020	CJR	1
Tetrahydrofuran	< 0.262	ug/m3	0.262	0.834	2	TO-15		9/22/2020	CJR	1
Toluene	239	ug/m3	0.368	1.17	2	TO-15		9/22/2020	CJR	1
1,2,4-Trichlorobenzene	< 1.314	ug/m3	1.314	4.18	2	TO-15		9/22/2020	CJR	1
1,1,1-Trichloroethane	< 0.498	ug/m3	0.498	1.586	2	TO-15		9/22/2020	CJR	1
1,1,2-Trichloroethane	< 0.516	ug/m3	0.516	1.644	2	TO-15		9/22/2020	CJR	1
Trichloroethene (TCE)	< 0.474	ug/m3	0.474	1.508	2	TO-15		9/22/2020	CJR	1
Trichlorofluoromethane	2.02 "J"	ug/m3	0.674	2.14	2	TO-15		9/22/2020	CJR	1
Trichlorotrifluoroethane	< 0.804	ug/m3	0.804	2.56	2	TO-15		9/22/2020	CJR	1
1,2,4-Trimethylbenzene	55	ug/m3	0.566	1.798	2	TO-15		9/22/2020	CJR	1
1,3,5-Trimethylbenzene	12.5	ug/m3	0.464	1.478	2	TO-15		9/22/2020	CJR	1
Vinyl acetate	< 0.406	ug/m3	0.406	1.29	2	TO-15		9/22/2020	CJR	1
Vinyl Chloride	< 0.296	ug/m3	0.296	0.944	2	TO-15		9/22/2020	CJR	1
m&p-Xylene	134	ug/m3	0.754	2.4	2	TO-15		9/22/2020	CJR	1
o-Xylene	51	ug/m3	0.436	1.39	2	TO-15		9/22/2020	CJR	1



**Project Name** V&L STRIPPING  
**Project #** 8318

**Invoice #** E38461

**Lab Code** 5038461D  
**Sample ID** ENTRANCE  
**Sample Matrix** Air  
**Sample Date** 9/3/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	12	ug/m3	0.598	1.9	2	TO-15		9/22/2020	CJR	1
Acrolein	< 0.188	ug/m3	0.188	0.598	2	TO-15		9/22/2020	CJR	1
Benzene	52	ug/m3	0.272	0.866	2	TO-15		9/22/2020	CJR	1
Benzyl Chloride	< 0.418	ug/m3	0.418	1.33	2	TO-15		9/22/2020	CJR	1
Bromodichloromethane	< 0.748	ug/m3	0.748	2.38	2	TO-15		9/22/2020	CJR	1
Bromoform	< 0.828	ug/m3	0.828	2.64	2	TO-15		9/22/2020	CJR	1
Bromomethane	< 0.4	ug/m3	0.4	1.274	2	TO-15		9/22/2020	CJR	1
1,3-Butadiene	< 0.286	ug/m3	0.286	0.908	2	TO-15		9/22/2020	CJR	1
Carbon Disulfide	2.86	ug/m3	0.276	0.88	2	TO-15		9/22/2020	CJR	1
Carbon Tetrachloride	0.63 "J"	ug/m3	0.614	1.956	2	TO-15		9/22/2020	CJR	1
Chlorobenzene	< 0.502	ug/m3	0.502	1.596	2	TO-15		9/22/2020	CJR	1
Chloroethane	< 0.318	ug/m3	0.318	1.014	2	TO-15		9/22/2020	CJR	1
Chloroform	< 0.6	ug/m3	0.6	1.906	2	TO-15		9/22/2020	CJR	1
Chloromethane	< 1.662	ug/m3	1.662	5.28	2	TO-15		9/22/2020	CJR	1
Cyclohexane	11.7	ug/m3	0.424	1.348	2	TO-15		9/22/2020	CJR	1
Dibromochloromethane	< 0.752	ug/m3	0.752	2.4	2	TO-15		9/22/2020	CJR	1
1,4-Dichlorobenzene	1.2 "J"	ug/m3	0.604	1.92	2	TO-15		9/22/2020	CJR	1
1,3-Dichlorobenzene	< 0.604	ug/m3	0.604	1.92	2	TO-15		9/22/2020	CJR	1
1,2-Dichlorobenzene	< 0.47	ug/m3	0.47	1.498	2	TO-15		9/22/2020	CJR	1
Dichlorodifluoromethane	3.07	ug/m3	0.526	1.672	2	TO-15		9/22/2020	CJR	1
1,2-Dichloroethane	< 0.48	ug/m3	0.48	1.526	2	TO-15		9/22/2020	CJR	1
1,1-Dichloroethane	< 0.374	ug/m3	0.374	1.192	2	TO-15		9/22/2020	CJR	1
1,1-Dichloroethene	< 0.42	ug/m3	0.42	1.336	2	TO-15		9/22/2020	CJR	1
cis-1,2-Dichloroethene	< 0.394	ug/m3	0.394	1.252	2	TO-15		9/22/2020	CJR	1
trans-1,2-Dichloroethene	< 0.462	ug/m3	0.462	1.468	2	TO-15		9/22/2020	CJR	1
1,2-Dichloropropane	< 0.56	ug/m3	0.56	1.78	2	TO-15		9/22/2020	CJR	1
trans-1,3-Dichloropropene	< 0.396	ug/m3	0.396	1.26	2	TO-15		9/22/2020	CJR	1
cis-1,3-Dichloropropene	< 0.468	ug/m3	0.468	1.49	2	TO-15		9/22/2020	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.892	ug/m3	0.892	2.84	2	TO-15		9/22/2020	CJR	1
1,4-Dioxane	< 0.314	ug/m3	0.314	1	2	TO-15		9/22/2020	CJR	1
EDB (1,2-Dibromoethane)	< 0.684	ug/m3	0.684	2.18	2	TO-15		9/22/2020	CJR	1
Ethanol	87	ug/m3	0.304	0.964	2	TO-15		9/22/2020	CJR	1
Ethyl Acetate	< 0.352	ug/m3	0.352	1.118	2	TO-15		9/22/2020	CJR	1
Ethylbenzene	33	ug/m3	0.406	1.29	2	TO-15		9/22/2020	CJR	1
4-Ethyltoluene	11.6	ug/m3	0.428	1.362	2	TO-15		9/22/2020	CJR	1
Heptane	42	ug/m3	0.53	1.69	2	TO-15		9/22/2020	CJR	1
Hexachlorobutadiene	< 0.978	ug/m3	0.978	3.12	2	TO-15		9/22/2020	CJR	1
Hexane	36	ug/m3	0.47	1.496	2	TO-15		9/22/2020	CJR	1
2-Hexanone	< 0.444	ug/m3	0.444	1.414	2	TO-15		9/22/2020	CJR	1
Isopropyl Alcohol	< 0.218	ug/m3	0.218	0.694	2	TO-15		9/22/2020	CJR	1
Methyl ethyl ketone (MEK)	3.07	ug/m3	0.356	1.134	2	TO-15		9/22/2020	CJR	1
Methyl isobutyl ketone (MIBK)	< 0.336	ug/m3	0.336	1.072	2	TO-15		9/22/2020	CJR	1
Methyl Methacrylate	< 0.434	ug/m3	0.434	1.38	2	TO-15		9/22/2020	CJR	1
Methylene chloride	< 30	ug/m3	0.318	1.012	2	TO-15		9/22/2020	CJR	1

Project Name V&L STRIPPING  
Project # 8318

Invoice # E38461

Lab Code 5038461D  
Sample ID ENTRANCE  
Sample Matrix Air  
Sample Date 9/3/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Methyl tert-butyl ether (MTBE)	< 0.32	ug/m3	0.32	1.018	2	TO-15		9/22/2020	CJR	1
Naphthalene	3.7 "J"	ug/m3	1.35	4.3	2	TO-15		9/22/2020	CJR	1
Propene	< 0.158	ug/m3	0.158	0.502	2	TO-15		9/22/2020	CJR	1
Styrene	< 0.362	ug/m3	0.362	1.154	2	TO-15		9/22/2020	CJR	1
1,1,2,2-Tetrachloroethane	< 0.65	ug/m3	0.65	2.06	2	TO-15		9/22/2020	CJR	1
Tetrachloroethene	< 0.556	ug/m3	0.556	1.768	2	TO-15		9/22/2020	CJR	1
Tetrahydrofuran	< 0.262	ug/m3	0.262	0.834	2	TO-15		9/22/2020	CJR	1
Toluene	221	ug/m3	0.368	1.17	2	TO-15		9/22/2020	CJR	1
1,2,4-Trichlorobenzene	< 1.314	ug/m3	1.314	4.18	2	TO-15		9/22/2020	CJR	1
1,1,1-Trichloroethane	< 0.498	ug/m3	0.498	1.586	2	TO-15		9/22/2020	CJR	1
1,1,2-Trichloroethane	< 0.516	ug/m3	0.516	1.644	2	TO-15		9/22/2020	CJR	1
Trichloroethene (TCE)	< 0.474	ug/m3	0.474	1.508	2	TO-15		9/22/2020	CJR	1
Trichlorofluoromethane	1.8 "J"	ug/m3	0.674	2.14	2	TO-15		9/22/2020	CJR	1
Trichlorotrifluoroethane	< 0.804	ug/m3	0.804	2.56	2	TO-15		9/22/2020	CJR	1
1,2,4-Trimethylbenzene	37	ug/m3	0.566	1.798	2	TO-15		9/22/2020	CJR	1
1,3,5-Trimethylbenzene	8.3	ug/m3	0.464	1.478	2	TO-15		9/22/2020	CJR	1
Vinyl acetate	< 0.406	ug/m3	0.406	1.29	2	TO-15		9/22/2020	CJR	1
Vinyl Chloride	< 0.296	ug/m3	0.296	0.944	2	TO-15		9/22/2020	CJR	1
m&p-Xylene	117	ug/m3	0.754	2.4	2	TO-15		9/22/2020	CJR	1
o-Xylene	43	ug/m3	0.436	1.39	2	TO-15		9/22/2020	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

**Code**      **Comment**

1              Laboratory QC within limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature

Lab I.D. # \_\_\_\_\_  
 QUOTE # : \_\_\_\_\_  
 Project #: **8318**  
 Sampler: (signature) \_\_\_\_\_

www.synergy-lab.net  
 1990 Prospect Ct. • Appleton, WI 54914  
 920-830-2455 • mrsynergy@wi.twcbc.com

**Sample Handling Request**  
 Rush Analysis Date Required: \_\_\_\_\_  
 (Rushes accepted only with prior authorization)  
 Normal Turn Around

Project (Name / Location): **VELSTAR/D3/600-B3**  
 Reports To: **Nancy Decker**  
 Company: **fee**  
 Address: **4080 N. 20th Ave**  
 City State Zip: **WASHTON, WI 54984**  
 Phone: **715-675-9784**  
 Email: **APR@synergyenv.com**

Invoice To:  
 Company: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City State Zip: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Email: **APR@synergyenv.com**

Lab I.D.	Sample I.D.	Collection Date	Time	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 524.2)	VOC (EPA 8260)	VOC AIR (TO - 15)	8-PCRA METALS	PID/ FID	
A	WEST	4/3/20	8:09	N	1	A	---																	
B	CC-RN	4/3/20	8:07		1	A	---																	
C	EAST	4/3/20	8:12		1	A	---																	
D	EXTRN	4/3/20	8:15		1	A	---																	

Comments/Special Instructions (\*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge, etc.)

Relinquished By: (sign) \_\_\_\_\_ Time: **12:30** Date: **4/4/20**  
 Received By: (sign) \_\_\_\_\_ Time: \_\_\_\_\_ Date: \_\_\_\_\_  
 Received in Laboratory By: *[Signature]* Time: **12:30PM** Date: **4-11-20**

Sample Integrity - To be completed by receiving lab.  
 Method of Shipment: **Express**  
 Temp. of Temp. Blank: \_\_\_\_\_ °C On Ice: **Y**  
 Cooler seal intact upon receipt:  Yes  No