

**Submitted Via E-mail and Online Submittal Portal**

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Remediation and Redevelopment Program  
Wisconsin Department of Natural Resources  
141 NW Barstow Street, Room 160  
Waukesha, WI 53188

**OCTOBER 2023 GROUNDWATER SAMPLE RESULTS NOTIFICATION AND  
ADDITIONAL SITE ASSESSMENT/INVESTIGATION INFORMATION FOR VPLE  
PROGRAM REVIEW (REVISION 1), FORMER EXPRESS CLEANERS SITE,  
3921-3941 N. MAIN STREET, RACINE, WISCONSIN  
BRRTS #02-52-547631, FID #252010000, VPLE #06-52-576325**

Dear Ms. Laube-Anderson:

This letter provides updated information from recent groundwater sampling activities conducted at the former Express Cleaners Site located at 3921-3941 N. Main Street, Racine, Wisconsin (the "Site"). Ramboll Americas Engineering Solutions, Inc. (Ramboll) conducted confirmation groundwater sampling on October 18, 2023, as recommended in the September 2023 Groundwater Sample Results Notification letter submitted on October 19, 2023. Groundwater was resampled at monitoring wells MW-4, MW-7, and MW-12 to confirm the analytical results from samples collected at these locations during the September 2023 sampling event. This letter is also being submitted to comply with the sample result notification requirements of Wisconsin Administrative Code (WAC) NR 716.14(2) and to provide updated site assessment information as discussed during our telephone call held on September 1, 2023.

November 6, 2023

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**GROUNDWATER MONITORING RESULTS**

Observations from the groundwater analytical results from the samples collected in October 2023 are discussed in detail as follows:

- MW-4: Vinyl chloride (VC) was not detected in the October 2023 sample; this is consistent with the four groundwater sampling events prior to the September 2023 event.
- MW-7: Tetrachloroethylene (PCE) was not detected in the October 2023 sample; this is consistent with the three groundwater sampling events prior to the September 2023 event. Cis-1,2-dichloroethene (cis-1,2-DCE) was detected at a concentration of 7.7 micrograms per liter ( $\mu\text{g}/\text{L}$ ), slightly above the WAC NR 140 Preventive Action Limit (PAL) of 7.0  $\mu\text{g}/\text{L}$  and this concentration is consistent with the September 2023 sampling result. Trans-1,2-dichloroethene (trans-1,2-DCE) was detected at an estimated ("J"-flagged by the laboratory) concentration of 0.57J  $\mu\text{g}/\text{L}$ , below the PAL of 20  $\mu\text{g}/\text{L}$ . Trans-1,2-DCE was not detected in the sample collected during the four prior sampling events.
- MW-12: PCE was detected at a concentration of 12.4  $\mu\text{g}/\text{L}$ , above the WAC NR 140 Enforcement Standard (ES), trichloroethylene (TCE) was detected at a concentration of 1.9  $\mu\text{g}/\text{L}$ , above the WAC NR 140 PAL, and cis-1,2-DCE was

Ref. 1690004905

detected at a concentration of 7.1 µg/L, above the WAC NR 140 PAL. These concentrations are consistent with the decreasing trends in concentrations observed at MW-12 between 2018 and 2020. Trans-1,2-DCE and VC were not detected in the October 2023 groundwater sample.

The historical groundwater analytical results, including the October 2023 sampling event results, are presented in Table 1. The volatile organic compound (VOC) groundwater analytical results dating back to 2007, where sampled, is provided as Figure 1D. The groundwater analytical laboratory report is included as Attachment A.

### **REVISED RESIDUAL SOIL CONTAMINATION FIGURE**

A revised figure (Figure B.2.b) illustrating the extent of WAC NR 720 Residual Contaminant Level (RCL) exceedances in residual soil contamination at the Site is provided. This figure was updated to show the inferred extent (dashed) of soil RCL exceedances at the Site. Based on the soil sample data collected to date, residual soil contamination above the WAC NR 720 non-industrial direct contact RCL is present around post-treatment soil sample location CB-7. Residual soil contamination above the WAC NR 720 groundwater pathway RCL is generally located around the soil treatment area and extending east toward MW-6 and MW-13.

### **VAPOR INTRUSION EVALUATION**

#### Potential for Vapor Migration Along Utilities in North Bay Drive

Based on the September and October 2023 groundwater sample data, no WAC NR 140 ES exceedances were detected in any of the six eastern monitoring wells (MW-5, MW-6, MW-7, MW-11, MW-13, and MW-16) at the Site. One or more WAC NR 140 PAL exceedances were detected in eastern monitoring wells MW-6, MW-7, and MW-13 and no WAC NR 140 exceedances were detected in eastern monitoring wells MW-5, MW-13, and MW-16. Concentrations of PCE have been steadily decreasing at MW-6 (14.4 µg/L in April 2019 to 4.7 µg/L in September 2023). TCE and cis-1,2-DCE have also been detected at MW-6, but concentrations are historically below WAC NR 140 ESs and have been decreasing since the October 2019 sampling event. VC was below detection levels during the last two sampling events (October 2020 and October 2023). No groundwater chlorinated VOC (CVOC) impacts have been detected in sentinel well MW-16 located downgradient across North Bay Drive. Based on the extent of CVOC impacts defined in groundwater on the eastern side of the Site and considering no CVOCs were detected above their respective ESs, the utilities and the associated utility backfill in North Bay Drive are not likely to contain significant concentrations of CVOCs and/or PCE vapor. Therefore, any contaminant migration that could potentially be occurring within the utilities/utility backfill in North Bay Drive is inconsequential and further investigation of this pathway is not warranted.

#### Former Pugh Oil Building

As previously reported, monitoring well MW-10, located between the former Express Cleaners site and the building on the former Pugh Oil Co. property north of the Site, detected cis-1,2-DCE at an estimated concentration of 0.86 J µg/L, below WAC NR 140 standards during the September 2023 event. No VOC detections were reported in the three prior groundwater samples collected at this location. Based on the continued lack of PCE and TCE detections in groundwater at MW-10, it appears that the PCE and TCE sub-slab vapor concentrations detected beneath the former Pugh Oil Co. building in September 2016 and May 2021 are likely related to other sources of contamination and are not from groundwater impacts or contamination remaining on the former Express Cleaners site. As the former Pugh Oil Co. site was a gas station and an auto repair shop and now operates as a dry-cleaning facility, it is possible that the compounds detected in the sub-slab vapor samples are coming from potential contaminant sources on the former Pugh Oil Co. property.

**CONCLUSION**

The October 2023 sample data from monitoring wells MW-4 and MW-7 are generally consistent with the September 2023 sample data with the exception that PCE and VC were not detected at MW-7 and MW-4. Low concentrations of these compounds were previously reported from the September 2023 sampling event. Concentrations at MW-12 reported from the October 2023 sampling event are more consistent with the decreasing trends in concentrations observed at MW-12 between 2018 and 2020. Based on the September 2023 and October 2023 sample data, no WAC NR 140 ES exceedances were detected in any of the wells located on the eastern part of the Site, suggesting no elevated impacts to the North Bay Drive right-of-way that may pose a potential vapor intrusion risk to the neighboring residential buildings or utilities/utility backfill. Furthermore, the continued lack of PCE and TCE in groundwater at MW-10 located on the former Pugh Oil site suggests that the PCE and TCE sub-slab vapor concentrations detected beneath the former Pugh Oil Co. building in September 2016 and May 2021 are likely related to other sources of contamination and are not from groundwater impacts or contamination remaining on the former Express Cleaners site.

If you have any questions or comments regarding these results, please contact us.

Yours sincerely,

Ramboll Americas Engineering Solutions, Inc.



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cc: William P. Scott, Attorney at Law

## TABLE

**REVISED - Table 1. Historical Analytical Groundwater Results**

Former Express Cleaners

3941 N Main Street, Racine, Wisconsin

Parameters		Chloroethane	Chloroform	Chloromethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Methylene chloride	Tetrachloroethene	Trichloroethene	Vinyl chloride		
CAS	75-00-3	67-66-3	74-87-3	75-35-4	156-59-2	156-60-5	75-09-2	127-18-4	79-01-6	75-01-4			
<b>NR 140 ES Standard</b>	400	6	30	7	70	100	5	5	5	0.2			
<b>NR 140 PAL Standard</b>	80	0.6	3	0.7	7	20	0.5	0.5	0.5	0.02			
MW-1	4/27/2007 1/15/2008 4/7/2011 9/15/2016 4/20/2017 10/18/2017 4/25/2018 10/24/2018 4/11/2019 10/14/2019 4/9/2020 10/22/2020 9/28/2023	#N/A #N/A <1.4 <0.75 <0.75 <18.7 <0.75 <2.7 <67.1 <67.1 <6.7 <6.7 <6.9	<4.8 (<4.8) <0.49 <5.0 <5.0 <125 <5.0 <2.5 <63.7 <63.7 <6.4 <6.4 <2.5	#N/A #N/A <1.9 <1.0 <1.0 <25.0 <1.0 <4.4 <109 <109 <10.9 <10.9 <8.2	13.6 13.9 15.3 96.3 39.4 5.670 8.2 28,700 4,120 3,150 367 1,050 46.3	1 J J 0.79 5.1 3 47.7 147 594 124 23.9 16.9 47.9 6.9	<9.5 <9.5 <1.1 <0.47 <0.47 <11.6 <0.47 <1.2 <29.0 <29.0 <2.9 <2.9 <1.6	#N/A #N/A 193 15.5 98.6 86.0 138 192 16.8 185 58.1 55.5 8.4 2.8	330 179 173 4.9 384 86.0 138 42.2 16.8 3,770 83.4 367 174 1,520 1,670	<4.4 <4.4 <0.18 <0.35 <0.35 <8.8 122 16.8 3,770 83.4 367 174 1,520 1,670	<2 <2 <0.18 <0.35 <0.35 <8.8 122 16.8 3,770 83.4 367 174 1,520 1,670		
MW-1 DUP	10/18/2017 4/25/2018	<18.7 (<0.75)	<25.0 (<5.0)	<20.5 1.9 J 7.0 8,990	5,550 38.1 147	J J <0.47	<11.6 (<0.47)	96.7 166 283 55.9	166 108	<8.8			
MW-2 <sup>(1)</sup>	4/27/2007 1/15/2008 4/7/2011 9/14/2016	#N/A #N/A <1.4 <0.37	<4.8 (<4.8) <0.49 (<2.5)	#N/A #N/A <0.6 0.52 J <0.41	<6.8 21.1 22.7 29.7	J J 0.86 1.6	<9.5 (<9.5) <1.1 <0.23	370 16.2 223 14.7 94 47.1	16.2 14.7 9 14 47.1 14	<2 <2 <0.18 <0.18			
MW-3 <sup>(1)</sup>	4/27/2007 1/15/2008 4/7/2011 9/15/2016	#N/A #N/A <70 <3.7	<24 (<24) <24.5 <25.0	#N/A #N/A #N/A (<5.0)	1,100 1,090 600 175	<47.5 (<47.5) (<39.5) 9.4	J J J J	2,520 2,410 770 437	279 284 82 34.5	<10 <10 <9 <1.8			
MW-3R <sup>(1)</sup>	4/20/2017 10/18/2017 4/25/2018 10/24/2018 4/11/2019 10/15/2019 4/10/2020 10/22/2020 9/28/2023	<7.5 (<18.7) (<18.7) (<2.5) (<67.1) (<67.1) (<53.7) (<13.4) (<13.8)	<50.0 (<25.0) (<25.0) (<20.5) (<10.0) (<10.0) (<8.2) (<8.2) (<5.0)	<10.0 (<20.5) (<20.5) (<12.2) (<12.2) (<12.2) (<9.8) (<21.9) (<16.4)	1,620 6,060 3,850 3,290 2,340 1,650 1,150 1,500 220	<5.1 20.6 12.8 54.5 54.5 43.6 <4.6 <4.6 (<5.8)	J J J J J J J J J	<11.6 (<11.6) (<11.6) (<29.0) (<29.0) (<23.2) (<5.8) (<5.8) (<3.2)	<10.0 (<25.0) (<25.0) (<16.3) (<16.3) (<13.1) (<3.3) (<3.3) (<4.1)	23.3 49.9 48.5 24.6 26.5 15.4 18.5 15.5 675	11.1 J J J J J J J J	<2 <2 <0.18 (<12.8) (<12.8) (<10.2) (<8.5) (<10.5) 675	
MW-4	4/27/2007 1/15/2008 4/7/2011 9/14/2016 9/28/2023 10/18/2023	#N/A #N/A (<1.4) (<0.37) (<1.4) (<1.4)	<0.48 (<4.8) (<0.49) (<2.5) (<0.50) (<0.50)	#N/A #N/A #N/A (<0.50) (<1.6) (<1.6)	<0.68 (<0.68) (<0.68) (<0.41) (<0.26) (<0.47)	<0.95 (<0.95) (<0.95) (<0.79) (<0.26) (<0.53)	J J J J J J	<0.52 (<0.52) (<0.52) (<0.44) (<0.32) (<0.41)	<0.44 (<0.44) (<0.44) (<0.47) (<0.33) (<0.32)	<0.2 (<0.2) (<0.18) (<0.18) (<0.17) (<0.17)			
MW-5	1/15/2008 4/7/2011 9/15/2016 9/27/2023	#N/A (<1.4) (<0.37) (<1.4)	<0.48 (<0.49) (<2.5) (<0.50)	#N/A (<1.9) (<0.6) (<1.6)	<0.68 (<0.74) (<0.74) (<0.58)	<0.95 (<0.79) (<0.79) (<0.53)	J J J J	#N/A (<1.1) (<0.50) (<0.41)	<0.52 (<0.44) (<0.47) (<0.41)	<0.44 (<0.44) (<0.18) (<0.33) (<0.32)	<0.2 (<0.2) (<0.18) (<0.18) (<0.17)		
MW-6	1/15/2008 4/7/2011 9/15/2016 4/19/2017 10/17/2017 4/24/2018 10/23/2018 4/10/2019 10/14/2019 4/9/2020 10/22/2020 9/27/2023	#N/A (<1.4) (<0.37) (<0.37) (<0.37) (<0.37) (<1.3) (<1.3) (<1.3) (<1.3) (<1.3) (<1.4)	<0.48 (<0.49) (<2.5) (<2.5) (<2.5) (<2.5) (<1.3) (<1.3) (<1.3) (<1.3) (<1.3) (<0.50)	#N/A (<1.9) (<0.50) (<0.50) (<0.50) (<0.50) (<2.2) (<2.2) (<2.2) (<2.2) (<2.2) (<1.6)	<0.68 19.1 4.5 2.2 3.3 1.3 9.2 12.3 18.5 15.3 11.1 3.2	<0.95 (<0.79) 0.53 (<0.26) (<0.23) (<0.26) (<1.1) (<1.1) (<1.1) (<0.58) (<0.57) (<0.53)	J J J J J J J J J J J J	<1.1 (<1.1) (<0.23) (<0.23) (<0.23) (<0.23) (<0.58) (<0.58) (<0.58) (<0.58) (<0.57) (<0.32)	2.42 6.5 7.8 14.9 9.3 8.1 15.4 14.4 13.1 11.3 7.6 4.7	1.67 J 2.9 2.7 2.9 2.6 3.8 4.2 4.8 4.1 3.6 1.9	<0.2 (<0.2) (<0.18) (<0.18) (<0.18) (<0.18) (<0.17) (<0.17) (<0.17) (<0.17) (<0.17) (<0.17)		
MW-7	1/15/2008 4/7/2011 9/15/2016 9/27/2023 10/18/2023	#N/A (<1.4) (<0.37) (<1.4) (<1.4)	<0.48 (<0.49) (<2.5) (<1.0) (<0.50)	#N/A (<1.9) (<0.6) (<0.41) (<0.26)	<0.68 (<0.74) (<0.74) (<0.58) (<0.58)	<0.95 (<0.79) (<0.79) (<0.53) (<0.53)	J J J J J	#N/A (<1.1) (<0.50) (<0.41) (<0.32)	<0.52 (<0.44) (<0.47) (<0.41) (<0.41)	<0.44 (<0.44) (<0.18) (<0.33) (<0.32)	<0.2 (<0.2) (<0.18) (<0.18) (<0.17)		
MW-8	1/15/2008 4/7/2011 9/15/2016 4/20/2017 10/18/2017 4/25/2018 10/24/2018 4/11/2019 10/15/2019 4/10/2020 10/22/2020 9/28/2023	#N/A (<70) (<3.7) (<0.94) (<3.7) (<1.3) (<13.4) (<12.7) (<12.7) (<12.7) (<13.4) (<13.8)	0.55 (<95) (<5.0) (<6.2) (<25.0) (<5.0) (<25.0) (<21.9) (<21.9) (<21.9) (<12.7) (<5.0)	#N/A (<30) (<4.1) (<1.2) (<0.50) (<4.1) (<5.0) (<4.1) (<2.4) (<2.4) (<2.4) (<16.4)	220 99 71.4 173 866 761 1,300 25.4 1,040 228 820 23.1 930 24.5 48.3	8.6 (<39.5) 4.9 J 10 16.8 15.3 15.5 21.5 15.1 15.1 23.1 24.5 15.8 25.0	J J J J J J J J J J J J J J J	<55 (<2.3) (<2.3) (<2.3) (<2.3) (<2.3) (<2.3) (<5.8) (<5.8) (<5.8) (<5.8) (<5.8) (<3.3) (<3.3) (<3.3)	826 810 920 49 371 0.69 J 4.2 11.3 4.1 7.6 3.6 4.7 1.9	36 J 39.9 0.69 J 4.4 J J J J J J J J J J	<0.2 (<0.2) (<1.8) (<1.8) (<1.8) (<1.8) (<1.8) (<1.8) (<1.8) (<1.8) (<1.8) (<1.8) (<1.8) (<1.8) (<1.8)		

**REVISED - Table 1. Historical Analytical Groundwater Results**

Former Express Cleaners

3941 N Main Street, Racine, Wisconsin

Parameters		Chloroethane	Chloroform	Chloromethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Methylene chloride	Tetrachloroethene	Trichloroethene	Vinyl chloride
CAS	75-00-3	67-66-3	74-87-3	75-35-4	156-59-2	156-60-5	75-09-2	127-18-4	79-01-6	75-01-4	
<b>NR 140 ES Standard</b>	400	6	30	7	70	100	5	5	5	0.2	
<b>NR 140 PAL Standard</b>	80	0.6	3	0.7	7	20	0.5	0.5	0.5	0.02	
MW-9	1/15/2008 4/7/2011 9/14/2016 4/20/2017 10/17/2017 4/24/2018 10/23/2018 4/10/2019 10/14/2019 4/9/2020 10/22/2020 9/28/2023	#N/A <1.4 <0.37 <0.37 <0.37 <0.37 <1.3 <1.3 <13.4 <1.3 <1.3 <1.4	<0.48 <0.49 <2.5 <2.5 <2.5 <2.5 <1.3 <1.3 <12.7 <2.2 <2.2 <0.50	#N/A <1.9 <0.50 <0.50 <0.50 <0.50 <0.50 <2.2 <2.2 <21.9 <0.41 <0.41 <0.58	<0.68 <0.74 <0.26 <0.26 <0.26 <0.26 <0.24 <0.24 <0.24 <0.24 <0.24 <0.58	<0.95 <0.79 <0.23 <0.23 <0.26 <0.26 <b>32.4</b> <b>387</b> <b>53.7</b> <b>612</b> <b>156</b> <b>46.2</b> <b>42.2</b>	#N/A <1.1 <b>0.88 J</b> <b>4.9</b> <b>4.2</b> <b>2.6</b> <b>5.7</b> <b>0.49 J</b> <b>10.9</b> <b>6.9</b> <b>7.3</b> <b>7.8</b>	<0.52 <b>1.52</b> <b>0.33</b> <b>&lt;0.33</b> <b>&lt;0.33</b> <b>&lt;0.33</b> <b>2.6</b> <b>0.49 J</b> <b>1.3</b> <b>9.0 J</b> <b>0.24 J</b> <b>1.4</b>	<0.44 <0.47 <0.18 <0.18 <0.18 <0.18 <b>&lt;0.17</b> <b>1.3</b> <b>&lt;0.17</b>	<0.2	
MW-9 DUP	4/20/2017 10/17/2017 4/24/2018 4/10/2019 10/14/2019 4/9/2020 10/22/2020 9/28/2023	<0.37 <0.37 <0.37 <1.3 <1.3 <1.3 <1.3 <1.4	<2.5 <2.5 <2.5 <2.2 <2.2 <2.2 <2.2 <0.50	<0.50 <0.50 <0.41 <b>36.0</b> <b>52.1</b> <b>629</b> <b>153</b> <b>44.7</b> <b>42.5</b>	<0.41 <0.26 <0.26 <0.24 <0.24 <0.24 <0.24 <0.58	<0.26 <0.26 <0.23 <b>&lt;1.1</b> <b>&lt;0.58</b> <b>11.3</b> <b>4.1</b> <b>1.2 J</b>	<b>5.4</b> <b>5.2</b> <b>2.8</b> <b>2.8</b> <b>10.9</b> <b>6.9</b> <b>7.3</b> <b>8.1</b>	<0.33 <0.33 <0.33 <b>&lt;0.33</b> <b>1.2</b> <b>11.5</b> <b>9.9</b> <b>1.5</b>	<0.18 <0.18 <0.18 <0.18 <b>&lt;0.17</b> <b>0.25 J</b>		
MW-10	1/15/2008 4/7/2011 9/15/2016 9/28/2023	#N/A <1.4 <0.37 <1.4	<0.48 <0.49 <2.5 <0.50	#N/A <1.9 <b>0.79 J</b> <1.6	<0.68 <0.74 <0.41 <0.58	<0.95 <0.79 <0.23 <b>0.86 J</b> <0.53	#N/A <1.1 <0.50 <0.32	<0.52 <0.44 <0.41 <0.41	<0.44 <0.47 <0.33 <0.32	<0.2 <0.18 <0.18 <0.17	
MW-11	5/19/2009 4/7/2011 9/15/2016 9/27/2023	<1.5 <1.4 <0.37 <1.4	<1.48 <0.49 <2.5 <0.50	<0.5 <1.9 <b>0.57 J</b> <1.6	<0.47 <0.61 <0.41 <0.58	<0.68 <0.61 <0.26 <0.53	<1.5 <1.1 <0.26 <0.32	<0.42 <0.44 <0.50 <0.41	<0.39 <0.47 <0.33 <0.32	<0.2 <0.18 <0.18 <0.17	
MW-12	5/19/2009 4/7/2011 9/15/2016 4/19/2017 10/17/2017 4/24/2018 10/23/2018 4/10/2019 10/14/2019 4/9/2020 10/22/2020 9/27/2023 10/18/2023	<1.5 <1.4 <0.37 <0.37 <0.37 <0.37 <1.3 <1.3 <1.3 <1.3 <1.3 <1.3 <b>2.2 J</b> <1.4	<1.48 <0.49 <2.5 <2.5 <2.5 <2.5 <1.3 <1.3 <1.3 <1.3 <1.3 <1.3 <0.50 <0.50	<0.5 <1.9 <b>0.58 J</b> <0.50 <0.50 <0.50 <2.2 <0.41 <b>92.8</b> <b>41.5</b> <b>76.2</b> <b>31.2</b> <b>34.2</b> <b>1.6 J</b>	<0.47 <0.6 <0.41 <0.41 <0.41 <0.41 <0.24 <0.24 <b>7.3</b> <b>1.91 J</b> <b>5</b> <b>3.2</b> <b>1.1</b> <b>1.6 J</b>	<0.61 <0.79 <0.23 <0.23 <0.23 <0.23 <0.58 <0.58 <b>22.6</b> <b>5.4</b> <b>25.7</b> <b>69.5</b> <b>20.2</b> <b>31.0</b> <b>4.0</b>	<1.5 <b>2.5</b> <b>36</b> <b>7.6</b> <b>3.0</b> <b>4.0</b> <b>1.2</b>	<0.47 <0.18 <0.18 <0.18 <0.18 <0.17			
MW-13	5/19/2009 4/7/2011 9/15/2016 4/19/2017 10/17/2017 4/24/2018 10/23/2018 4/10/2019 10/14/2019 4/9/2020 10/22/2020 9/27/2023	<1.5 <1.4 <0.37 <0.37 <0.37 <0.37 <1.3 <1.3 <1.3 <1.3 <1.3 <1.3 <b>2.2 J</b> <1.4	<1.48 <0.49 <2.5 <2.5 <2.5 <2.5 <1.3 <1.3 <1.3 <1.3 <1.3 <1.3 <0.50 <0.50	<0.5 <1.9 <b>0.77 J</b> <0.50 <0.41 <0.41 <0.24 <0.24 <b>4.7</b> <b>0.56 J</b> <b>4.2</b> <b>0.52 J</b> <b>2.9</b> <b>6.7</b> <b>11.0</b> <b>4.1</b> <b>0.50 J</b>	<0.47 <0.74 <0.41 <0.26 <0.26 <0.26 <0.24 <0.24 <b>&lt;0.68</b> <b>&lt;0.79</b> <b>5</b> <b>2.1</b> <b>3.2</b> <b>1.1</b> <b>1.4 J</b> <b>0.58</b> <b>0.30 J</b>	<0.61 <0.79 <0.23 <0.23 <0.23 <0.23 <0.58 <0.58 <b>22.6</b> <b>5.4</b> <b>25.7</b> <b>36</b> <b>69.5</b> <b>7.6</b> <b>3.0</b> <b>4.0</b> <b>0.39 J</b>	<1.5 <b>2.5</b> <b>2.6</b> <b>2.6</b> <b>0.33</b> <b>0.33</b> <b>0.33</b> <b>0.33</b> <b>0.33</b>	<0.47 <0.18 <0.18 <0.18 <0.18 <0.18 <0.18 <0.18 <0.17			
MW-13 DUP	9/27/2023	<1.4	<0.50	<1.6	<0.58	<b>30.7</b>	<b>2.7</b>	<0.32	<0.41	<0.32	<b>0.29 J</b>
MW-14	4/7/2011 9/14/2016 9/27/2023	<1.4 <0.37 <1.4	<0.49 <2.5 <0.50	<1.9 <0.50 <0.41	<0.6 <0.26 <0.24	<0.74 <0.26 <0.24	<0.79 <0.26 <0.23	<1.1 <0.50 <0.53	<0.44 <0.50 <0.41	<0.47 <0.33 <0.32	<0.18 <0.18 <0.17
MW-15	4/7/2011 9/14/2016 4/19/2017 10/17/2017 4/24/2018 10/24/2018 4/10/2019 10/14/2019 4/9/2020 10/22/2020 9/27/2023	<1.4 <0.37 <0.37 <0.37 <0.37 <0.37 <1.3 <1.3 <1.3 <1.3 <1.3 <1.3 <b>2.2 J</b> <1.4	<0.49 <2.5 <0.50 <0.50 <0.50 <0.50 <1.3 <1.3 <1.3 <1.3 <1.3 <1.3 <0.50 <0.50	<1.9 <0.41 <0.41 <0.41 <0.41 <0.41 <2.2 <0.24 <b>0.74</b> <b>&lt;0.79</b> <b>1.1</b> <b>&lt;0.58</b> <b>&lt;0.33</b> <b>&lt;0.26</b> <b>&lt;0.17</b>	<0.6 <0.26 <0.26 <0.26 <0.26 <0.26 <0.24 <0.24 <b>&lt;0.74</b> <b>&lt;0.79</b> <b>1.1</b> <b>&lt;0.58</b> <b>&lt;0.33</b> <b>&lt;0.26</b> <b>&lt;0.17</b>	<1.1 <0.50 <0.53 <0.53 <0.53 <0.53 <b>0.44</b> <b>0.47</b> <b>0.33</b> <b>0.33</b> <b>0.33</b> <b>0.33</b> <b>0.33</b>	<0.44 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50	<0.18 <0.18 <0.18 <0.18 <0.18 <0.18 <0.18 <0.18 <0.17			

**REVISED - Table 1. Historical Analytical Groundwater Results**

Former Express Cleaners  
3941 N Main Street, Racine, Wisconsin

Parameters		Chloroethane	Chloroform	Chloromethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Methylene chloride	Tetrachloroethene	Trichloroethene	Vinyl chloride
<b>CAS</b>	75-00-3	67-66-3	74-87-3	75-35-4	156-59-2	156-60-5	75-09-2	127-18-4	79-01-6	75-01-4	
<b>NR 140 ES Standard</b>	400	6	30	7	70	100	5	5	5	0.2	
<b>NR 140 PAL Standard</b>	80	0.6	3	0.7	7	20	0.5	0.5	0.5	0.02	
MW-16	4/20/2017	<0.37	<2.5	<0.50	<0.41	<0.26	<0.26	<0.23	<0.50	<0.33	<0.18
	10/18/2017	<0.37	<2.5	<0.50	<0.41	<0.26	<0.26	<0.23	<0.50	<0.33	<0.18
	4/25/2018	<0.37	<2.5	<b>1.1</b>	<0.41	<0.26	<0.26	<0.23	<0.50	<0.33	<0.18
	10/24/2018	<1.3	<1.3	<2.2	<0.24	<0.27	<1.1	<0.58	<0.33	<0.26	<0.17
	4/10/2019	<1.3	<1.3	<2.2	<0.24	<0.27	<1.1	<0.58	<0.33	<0.26	<0.17
	10/14/2019	<1.3	<1.3	<2.2	<0.24	<0.27	<1.1	<0.58	<0.33	<0.26	<0.17
	4/9/2020	<1.3	<1.3	<2.2	<0.24	<0.27	<0.46	<0.58	<0.33	<0.26	<0.17
	10/22/2020	<1.3	<1.3	<2.2	<0.24	<0.27	<0.46	<0.58	<0.33	<0.26	<0.17
	9/27/2023	<1.4	<0.50	<1.6	<0.58	<0.47	<0.53	<0.32	<0.41	<0.32	<0.17
PZ-1	4/27/2007	#N/A	<4.8	#N/A	#N/A	<0.68	<9.5	#N/A	<0.52	<0.44	<2
	1/15/2008	#N/A	<0.48	#N/A	#N/A	<0.68	<0.95	#N/A	<b>1.16 J</b>	<0.44	<0.2
	4/7/2011	<1.4	<0.49	<1.9	<0.6	<0.74	<0.79	<1.1	<b>2.34</b>	<0.47	<0.18
	9/15/2016	<0.37	<2.5	<0.50	<0.41	<0.26	<0.26	<0.23	<b>5.7</b>	<0.33	<0.18
	10/18/2017	<0.37	<2.5	<0.50	<0.41	<0.26	<0.26	<0.23	<b>0.76 J</b>	<0.33	<0.18
	4/25/2018	<0.37	<2.5	<b>1.9</b>	<0.41	<0.26	<0.26	<0.23	<b>0.57 J</b>	<0.33	<0.18
	10/23/2018	<1.3	<1.3	<2.2	<0.24	<b>1.2</b>	<1.1	<0.58	<b>0.93 J</b>	<0.26	<0.17
	4/11/2019	<1.3	<1.3	<2.2	<0.24	0.64 J	<1.1	<0.58	<b>0.70 J</b>	<0.26	<0.17
	10/15/2019	<1.3	<1.3	<2.2	<0.24	4.2	<1.1	<0.58	<b>0.90 J</b>	0.28 J	<0.17
	4/9/2020	<1.3	<1.3	<2.2	<0.24	2.3	<0.46	<0.58	<b>0.65 J</b>	<0.26	<0.17
	10/22/2020	<1.3	<1.3	<2.2	<0.24	7.5	<b>0.56 J</b>	<0.58	<b>0.89 J</b>	0.33 J	<0.17
	9/28/2023	<1.4	<0.50	<1.6	<0.58	<0.47	<0.53	<0.32	<0.41	<0.32	<0.17

**Notes:**

VOCs = Volatile Organic compounds

ug/L = micrograms per Liter

ES = Enforcement Standard

PAL = Preventive Action Limit

**Bold value** = NR 140 ES Exceedance

*Italic Value* = NR 140 PAL Exceedance

-- = No NR 140 ES or PAL established.

#N/A = Not analyzed

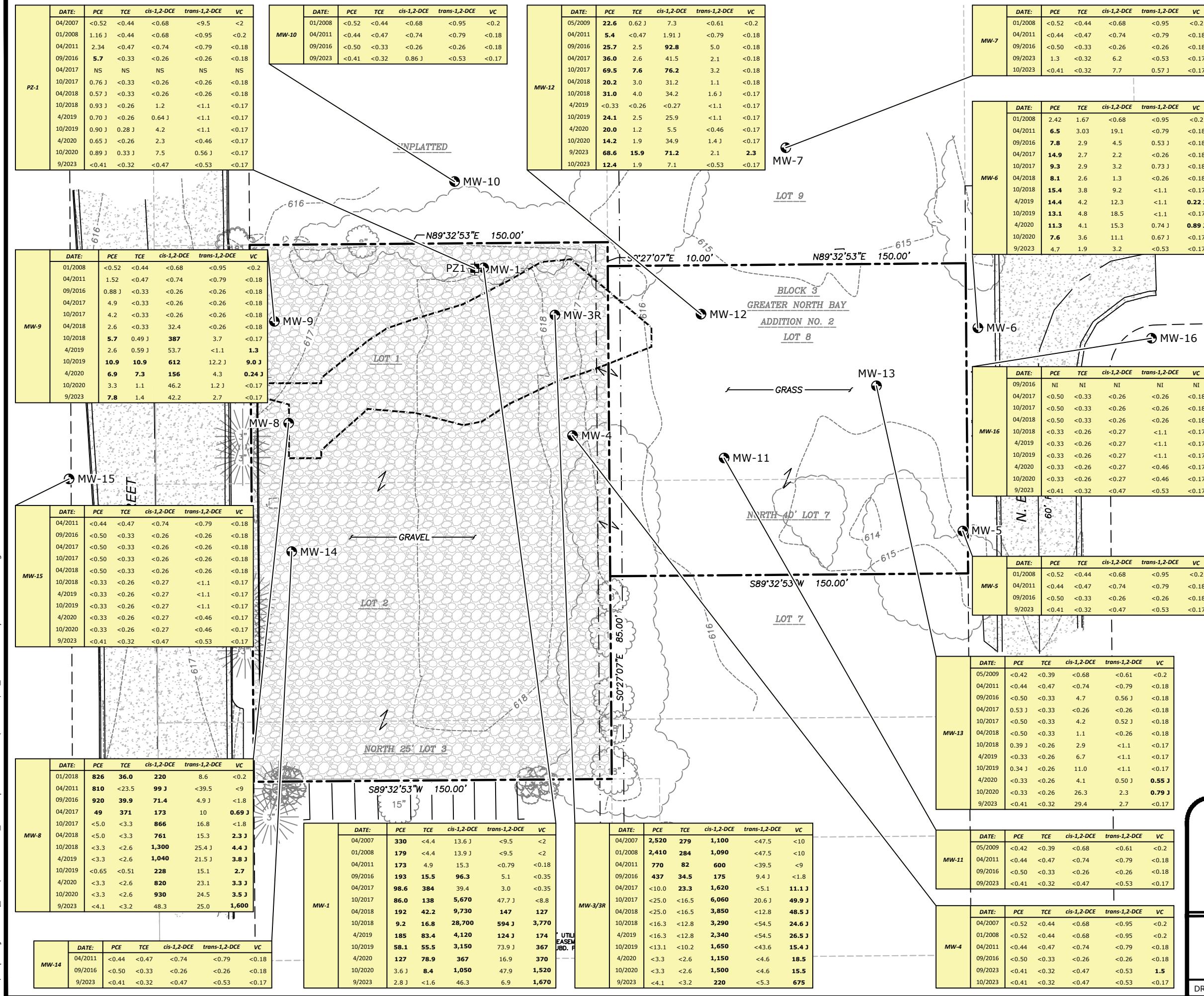
J = Estimated concentration. Laboratory results reported between the method detection limit and limit of quantification.

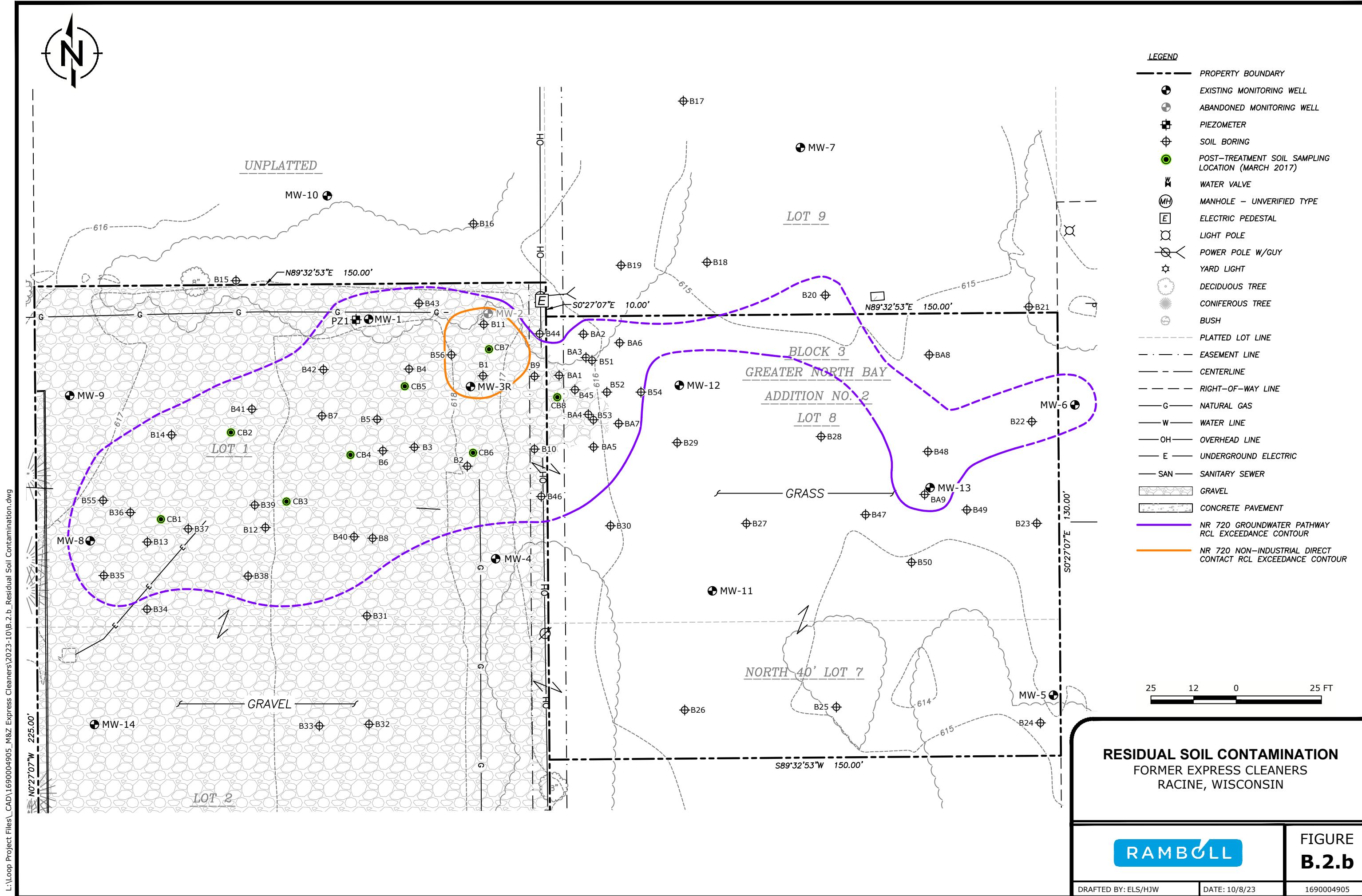
<sup>1</sup> MW-2 and MW-3 were abandoned in October 2016. Replacement well MW-3R was installed in March 2017 following soil treatment.

Analytical results are displayed for detected parameters only.

The most recent groundwater sampling event was conducted on September 27 and September 28, 2023.

## FIGURES





**ATTACHMENT A**

**GROUNDWATER LABORATORY ANALYTICAL REPORT**



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

October 25, 2023

Stan Popelar  
Ramboll  
333 W. Wacker Dr  
Chicago, IL 60606

RE: Project: 1690004905-CONV EXPRESS CLEANE  
Pace Project No.: 40269898

Dear Stan Popelar:

Enclosed are the analytical results for sample(s) received by the laboratory on October 20, 2023. 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,

Steven Mleczko  
steve.mleczko@pacelabs.com  
(920)469-2436  
Project Manager

Enclosures

cc: Tyler Burgett, Ramboll US Consulting, Inc.  
Brian Schneider, Ramboll  
Scott Tarmann, Ramboll US Consulting, Inc.



## REPORT OF LABORATORY ANALYSIS

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

## CERTIFICATIONS

Project: 1690004905-CONV EXPRESS CLEANE  
Pace Project No.: 40269898

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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

South Carolina Certification #: 83006001  
Texas Certification #: T104704529-21-8  
Virginia VELAP Certification ID: 11873  
Wisconsin Certification #: 405132750  
Wisconsin DATCP Certification #: 105-444  
USDA Soil Permit #: P330-21-00008  
Federal Fish & Wildlife Permit #: 51774A

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

## SAMPLE SUMMARY

Project: 1690004905-CONV EXPRESS CLEANE

Pace Project No.: 40269898

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40269898001	MW-7	Water	10/18/23 13:08	10/20/23 08:55
40269898002	MW-12	Water	10/18/23 13:45	10/20/23 08:55
40269898003	MW-4	Water	10/18/23 14:25	10/20/23 08:55
40269898004	EB-01	Water	10/18/23 14:45	10/20/23 08:55
40269898005	TRIP BLANK	Water	10/18/23 00:00	10/20/23 08:55

## REPORT OF LABORATORY ANALYSIS

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## SAMPLE ANALYTE COUNT

Project: 1690004905-CONV EXPRESS CLEANE

Pace Project No.: 40269898

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40269898001	MW-7	EPA 8260	CXJ	65	PASI-G
40269898002	MW-12	EPA 8260	CXJ	65	PASI-G
40269898003	MW-4	EPA 8260	CXJ	65	PASI-G
40269898004	EB-01	EPA 8260	CXJ	65	PASI-G
40269898005	TRIP BLANK	EPA 8260	CXJ	65	PASI-G

PASI-G = Pace Analytical Services - Green Bay

## REPORT OF LABORATORY ANALYSIS

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## SUMMARY OF DETECTION

Project: 1690004905-CONV EXPRESS CLEANE

Pace Project No.: 40269898

Lab Sample ID	Client Sample ID	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>40269898001</b>	<b>MW-7</b>						
EPA 8260	cis-1,2-Dichloroethene		7.7	ug/L	1.0	10/23/23 23:19	
EPA 8260	trans-1,2-Dichloroethene		0.57J	ug/L	1.0	10/23/23 23:19	
<b>40269898002</b>	<b>MW-12</b>						
EPA 8260	cis-1,2-Dichloroethene		7.1	ug/L	1.0	10/23/23 23:39	
EPA 8260	Tetrachloroethene		12.4	ug/L	1.0	10/23/23 23:39	
EPA 8260	Trichloroethene		1.9	ug/L	1.0	10/23/23 23:39	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 1690004905-CONV EXPRESS CLEANE

Pace Project No.: 40269898

Sample: MW-7	Lab ID: 40269898001	Collected: 10/18/23 13:08	Received: 10/20/23 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								
Benzene	<0.30	ug/L	1.0	0.30	1		10/23/23 23:19	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		10/23/23 23:19	108-86-1	
Bromoform	<0.43	ug/L	1.0	0.43	1		10/23/23 23:19	75-25-2	
Bromochloromethane	<0.36	ug/L	1.0	0.36	1		10/23/23 23:19	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/23/23 23:19	75-27-4	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/23/23 23:19	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		10/23/23 23:19	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		10/23/23 23:19	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		10/23/23 23:19	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/23/23 23:19	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/23/23 23:19	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/23/23 23:19	75-00-3	
Chloroform	<0.50	ug/L	5.0	0.50	1		10/23/23 23:19	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/23/23 23:19	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/23/23 23:19	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/23/23 23:19	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		10/23/23 23:19	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/23/23 23:19	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		10/23/23 23:19	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		10/23/23 23:19	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		10/23/23 23:19	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		10/23/23 23:19	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		10/23/23 23:19	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		10/23/23 23:19	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		10/23/23 23:19	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/23/23 23:19	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/23/23 23:19	75-35-4	
cis-1,2-Dichloroethene	7.7	ug/L	1.0	0.47	1		10/23/23 23:19	156-59-2	
trans-1,2-Dichloroethene	0.57J	ug/L	1.0	0.53	1		10/23/23 23:19	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/23/23 23:19	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		10/23/23 23:19	142-28-9	
2,2-Dichloropropane	<0.42	ug/L	1.0	0.42	1		10/23/23 23:19	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		10/23/23 23:19	563-58-6	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		10/23/23 23:19	10061-01-5	
trans-1,3-Dichloropropene	<0.27	ug/L	1.0	0.27	1		10/23/23 23:19	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		10/23/23 23:19	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/23/23 23:19	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		10/23/23 23:19	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		10/23/23 23:19	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		10/23/23 23:19	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/23/23 23:19	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		10/23/23 23:19	1634-04-4	
Naphthalene	<1.9	ug/L	5.0	1.9	1		10/23/23 23:19	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		10/23/23 23:19	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		10/23/23 23:19	100-42-5	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 1690004905-CONV EXPRESS CLEANE

Pace Project No.: 40269898

Sample: MW-7 Lab ID: 40269898001 Collected: 10/18/23 13:08 Received: 10/20/23 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								
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		10/23/23 23:19	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/23/23 23:19	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/23/23 23:19	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		10/23/23 23:19	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		10/23/23 23:19	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		10/23/23 23:19	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		10/23/23 23:19	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		10/23/23 23:19	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		10/23/23 23:19	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		10/23/23 23:19	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	1.0	0.56	1		10/23/23 23:19	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		10/23/23 23:19	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		10/23/23 23:19	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/23/23 23:19	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/23/23 23:19	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		10/23/23 23:19	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		10/23/23 23:19	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99	%	70-130		1		10/23/23 23:19	460-00-4	
1,2-Dichlorobenzene-d4 (S)	107	%	70-130		1		10/23/23 23:19	2199-69-1	
Toluene-d8 (S)	99	%	70-130		1		10/23/23 23:19	2037-26-5	

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## ANALYTICAL RESULTS

Project: 1690004905-CONV EXPRESS CLEANE

Pace Project No.: 40269898

Sample: MW-12	Lab ID: 40269898002	Collected: 10/18/23 13:45	Received: 10/20/23 08:55	Matrix: Water
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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	<0.30	ug/L	1.0	0.30	1		10/23/23 23:39	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		10/23/23 23:39	108-86-1	
Bromoform	<0.43	ug/L	1.0	0.43	1		10/23/23 23:39	75-25-2	
Bromochloromethane	<0.36	ug/L	1.0	0.36	1		10/23/23 23:39	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/23/23 23:39	75-27-4	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/23/23 23:39	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		10/23/23 23:39	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		10/23/23 23:39	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		10/23/23 23:39	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/23/23 23:39	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/23/23 23:39	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/23/23 23:39	75-00-3	
Chloroform	<0.50	ug/L	5.0	0.50	1		10/23/23 23:39	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/23/23 23:39	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/23/23 23:39	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/23/23 23:39	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		10/23/23 23:39	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/23/23 23:39	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		10/23/23 23:39	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		10/23/23 23:39	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		10/23/23 23:39	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		10/23/23 23:39	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		10/23/23 23:39	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		10/23/23 23:39	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		10/23/23 23:39	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/23/23 23:39	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/23/23 23:39	75-35-4	
cis-1,2-Dichloroethene	7.1	ug/L	1.0	0.47	1		10/23/23 23:39	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/23/23 23:39	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/23/23 23:39	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		10/23/23 23:39	142-28-9	
2,2-Dichloropropane	<0.42	ug/L	1.0	0.42	1		10/23/23 23:39	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		10/23/23 23:39	563-58-6	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		10/23/23 23:39	10061-01-5	
trans-1,3-Dichloropropene	<0.27	ug/L	1.0	0.27	1		10/23/23 23:39	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		10/23/23 23:39	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/23/23 23:39	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		10/23/23 23:39	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		10/23/23 23:39	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		10/23/23 23:39	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/23/23 23:39	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		10/23/23 23:39	1634-04-4	
Naphthalene	<1.9	ug/L	5.0	1.9	1		10/23/23 23:39	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		10/23/23 23:39	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		10/23/23 23:39	100-42-5	

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## ANALYTICAL RESULTS

Project: 1690004905-CONV EXPRESS CLEANE

Pace Project No.: 40269898

Sample: MW-12 Lab ID: 40269898002 Collected: 10/18/23 13:45 Received: 10/20/23 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								
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		10/23/23 23:39	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/23/23 23:39	79-34-5	
Tetrachloroethene	12.4	ug/L	1.0	0.41	1		10/23/23 23:39	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		10/23/23 23:39	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		10/23/23 23:39	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		10/23/23 23:39	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		10/23/23 23:39	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		10/23/23 23:39	79-00-5	
Trichloroethene	1.9	ug/L	1.0	0.32	1		10/23/23 23:39	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		10/23/23 23:39	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	1.0	0.56	1		10/23/23 23:39	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		10/23/23 23:39	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		10/23/23 23:39	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/23/23 23:39	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/23/23 23:39	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		10/23/23 23:39	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		10/23/23 23:39	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	101	%	70-130		1		10/23/23 23:39	460-00-4	
1,2-Dichlorobenzene-d4 (S)	110	%	70-130		1		10/23/23 23:39	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		10/23/23 23:39	2037-26-5	

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## ANALYTICAL RESULTS

Project: 1690004905-CONV EXPRESS CLEANE  
 Pace Project No.: 40269898

Sample: MW-4	Lab ID: 40269898003	Collected: 10/18/23 14:25	Received: 10/20/23 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								
Benzene	<0.30	ug/L	1.0	0.30	1			10/23/23 23:59	71-43-2
Bromobenzene	<0.36	ug/L	1.0	0.36	1			10/23/23 23:59	108-86-1
Bromoform	<0.43	ug/L	1.0	0.43	1			10/23/23 23:59	75-25-2
Bromochloromethane	<0.36	ug/L	1.0	0.36	1			10/23/23 23:59	74-97-5
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1			10/23/23 23:59	75-27-4
Bromomethane	<1.2	ug/L	5.0	1.2	1			10/23/23 23:59	74-83-9
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1			10/23/23 23:59	104-51-8
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1			10/23/23 23:59	135-98-8
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1			10/23/23 23:59	98-06-6
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1			10/23/23 23:59	56-23-5
Chlorobenzene	<0.86	ug/L	1.0	0.86	1			10/23/23 23:59	108-90-7
Chloroethane	<1.4	ug/L	5.0	1.4	1			10/23/23 23:59	75-00-3
Chloroform	<0.50	ug/L	5.0	0.50	1			10/23/23 23:59	67-66-3
Chloromethane	<1.6	ug/L	5.0	1.6	1			10/23/23 23:59	74-87-3
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1			10/23/23 23:59	95-49-8
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1			10/23/23 23:59	106-43-4
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1			10/23/23 23:59	96-12-8
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1			10/23/23 23:59	124-48-1
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1			10/23/23 23:59	106-93-4
Dibromomethane	<0.99	ug/L	5.0	0.99	1			10/23/23 23:59	74-95-3
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1			10/23/23 23:59	95-50-1
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1			10/23/23 23:59	541-73-1
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1			10/23/23 23:59	106-46-7
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1			10/23/23 23:59	75-71-8
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1			10/23/23 23:59	75-34-3
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1			10/23/23 23:59	107-06-2
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1			10/23/23 23:59	75-35-4
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1			10/23/23 23:59	156-59-2
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1			10/23/23 23:59	156-60-5
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1			10/23/23 23:59	78-87-5
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1			10/23/23 23:59	142-28-9
2,2-Dichloropropane	<0.42	ug/L	1.0	0.42	1			10/23/23 23:59	594-20-7
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1			10/23/23 23:59	563-58-6
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1			10/23/23 23:59	10061-01-5
trans-1,3-Dichloropropene	<0.27	ug/L	1.0	0.27	1			10/23/23 23:59	10061-02-6
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1			10/23/23 23:59	108-20-3
Ethylbenzene	<0.33	ug/L	1.0	0.33	1			10/23/23 23:59	100-41-4
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1			10/23/23 23:59	87-68-3
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1			10/23/23 23:59	98-82-8
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1			10/23/23 23:59	99-87-6
Methylene Chloride	<0.32	ug/L	5.0	0.32	1			10/23/23 23:59	75-09-2
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1			10/23/23 23:59	1634-04-4
Naphthalene	<1.9	ug/L	5.0	1.9	1			10/23/23 23:59	91-20-3
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1			10/23/23 23:59	103-65-1
Styrene	<0.36	ug/L	1.0	0.36	1			10/23/23 23:59	100-42-5

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## ANALYTICAL RESULTS

Project: 1690004905-CONV EXPRESS CLEANE

Pace Project No.: 40269898

Sample: MW-4 Lab ID: 40269898003 Collected: 10/18/23 14:25 Received: 10/20/23 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								
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		10/23/23 23:59	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/23/23 23:59	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/23/23 23:59	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		10/23/23 23:59	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		10/23/23 23:59	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		10/23/23 23:59	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		10/23/23 23:59	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		10/23/23 23:59	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		10/23/23 23:59	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		10/23/23 23:59	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	1.0	0.56	1		10/23/23 23:59	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		10/23/23 23:59	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		10/23/23 23:59	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/23/23 23:59	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/23/23 23:59	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		10/23/23 23:59	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		10/23/23 23:59	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99	%	70-130		1		10/23/23 23:59	460-00-4	
1,2-Dichlorobenzene-d4 (S)	107	%	70-130		1		10/23/23 23:59	2199-69-1	
Toluene-d8 (S)	99	%	70-130		1		10/23/23 23:59	2037-26-5	

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## ANALYTICAL RESULTS

Project: 1690004905-CONV EXPRESS CLEANE  
 Pace Project No.: 40269898

Sample: EB-01	Lab ID: 40269898004	Collected: 10/18/23 14:45	Received: 10/20/23 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								
Benzene	<0.30	ug/L	1.0	0.30	1		10/23/23 20:22	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		10/23/23 20:22	108-86-1	
Bromoform	<0.43	ug/L	1.0	0.43	1		10/23/23 20:22	75-25-2	
Bromochloromethane	<0.36	ug/L	1.0	0.36	1		10/23/23 20:22	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/23/23 20:22	75-27-4	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/23/23 20:22	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		10/23/23 20:22	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		10/23/23 20:22	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		10/23/23 20:22	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/23/23 20:22	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/23/23 20:22	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/23/23 20:22	75-00-3	
Chloroform	<0.50	ug/L	5.0	0.50	1		10/23/23 20:22	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/23/23 20:22	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/23/23 20:22	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/23/23 20:22	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		10/23/23 20:22	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/23/23 20:22	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		10/23/23 20:22	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		10/23/23 20:22	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		10/23/23 20:22	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		10/23/23 20:22	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		10/23/23 20:22	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		10/23/23 20:22	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		10/23/23 20:22	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/23/23 20:22	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/23/23 20:22	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		10/23/23 20:22	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/23/23 20:22	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/23/23 20:22	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		10/23/23 20:22	142-28-9	
2,2-Dichloropropane	<0.42	ug/L	1.0	0.42	1		10/23/23 20:22	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		10/23/23 20:22	563-58-6	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		10/23/23 20:22	10061-01-5	
trans-1,3-Dichloropropene	<0.27	ug/L	1.0	0.27	1		10/23/23 20:22	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		10/23/23 20:22	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/23/23 20:22	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		10/23/23 20:22	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		10/23/23 20:22	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		10/23/23 20:22	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/23/23 20:22	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		10/23/23 20:22	1634-04-4	
Naphthalene	<1.9	ug/L	5.0	1.9	1		10/23/23 20:22	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		10/23/23 20:22	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		10/23/23 20:22	100-42-5	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 1690004905-CONV EXPRESS CLEANE

Pace Project No.: 40269898

Sample: EB-01 Lab ID: 40269898004 Collected: 10/18/23 14:45 Received: 10/20/23 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								
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		10/23/23 20:22	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/23/23 20:22	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/23/23 20:22	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		10/23/23 20:22	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		10/23/23 20:22	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		10/23/23 20:22	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		10/23/23 20:22	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		10/23/23 20:22	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		10/23/23 20:22	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		10/23/23 20:22	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	1.0	0.56	1		10/23/23 20:22	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		10/23/23 20:22	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		10/23/23 20:22	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/23/23 20:22	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/23/23 20:22	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		10/23/23 20:22	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		10/23/23 20:22	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	98	%	70-130		1		10/23/23 20:22	460-00-4	
1,2-Dichlorobenzene-d4 (S)	108	%	70-130		1		10/23/23 20:22	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		10/23/23 20:22	2037-26-5	

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## ANALYTICAL RESULTS

Project: 1690004905-CONV EXPRESS CLEANE

Pace Project No.: 40269898

Sample: TRIP BLANK	Lab ID: 40269898005	Collected: 10/18/23 00:00	Received: 10/20/23 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								
Benzene	<0.30	ug/L	1.0	0.30	1		10/23/23 20:42	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		10/23/23 20:42	108-86-1	
Bromoform	<0.43	ug/L	1.0	0.43	1		10/23/23 20:42	75-25-2	
Bromochloromethane	<0.36	ug/L	1.0	0.36	1		10/23/23 20:42	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/23/23 20:42	75-27-4	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/23/23 20:42	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		10/23/23 20:42	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		10/23/23 20:42	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		10/23/23 20:42	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/23/23 20:42	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/23/23 20:42	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/23/23 20:42	75-00-3	
Chloroform	<0.50	ug/L	5.0	0.50	1		10/23/23 20:42	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/23/23 20:42	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/23/23 20:42	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/23/23 20:42	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		10/23/23 20:42	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/23/23 20:42	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		10/23/23 20:42	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		10/23/23 20:42	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		10/23/23 20:42	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		10/23/23 20:42	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		10/23/23 20:42	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		10/23/23 20:42	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		10/23/23 20:42	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/23/23 20:42	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/23/23 20:42	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		10/23/23 20:42	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/23/23 20:42	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/23/23 20:42	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		10/23/23 20:42	142-28-9	
2,2-Dichloropropane	<0.42	ug/L	1.0	0.42	1		10/23/23 20:42	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		10/23/23 20:42	563-58-6	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		10/23/23 20:42	10061-01-5	
trans-1,3-Dichloropropene	<0.27	ug/L	1.0	0.27	1		10/23/23 20:42	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		10/23/23 20:42	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/23/23 20:42	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		10/23/23 20:42	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		10/23/23 20:42	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		10/23/23 20:42	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/23/23 20:42	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		10/23/23 20:42	1634-04-4	
Naphthalene	<1.9	ug/L	5.0	1.9	1		10/23/23 20:42	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		10/23/23 20:42	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		10/23/23 20:42	100-42-5	

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## ANALYTICAL RESULTS

Project: 1690004905-CONV EXPRESS CLEANE

Pace Project No.: 40269898

Sample: TRIP BLANK Lab ID: 40269898005 Collected: 10/18/23 00:00 Received: 10/20/23 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								
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		10/23/23 20:42	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/23/23 20:42	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/23/23 20:42	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		10/23/23 20:42	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		10/23/23 20:42	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		10/23/23 20:42	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		10/23/23 20:42	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		10/23/23 20:42	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		10/23/23 20:42	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		10/23/23 20:42	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	1.0	0.56	1		10/23/23 20:42	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		10/23/23 20:42	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		10/23/23 20:42	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/23/23 20:42	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/23/23 20:42	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		10/23/23 20:42	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		10/23/23 20:42	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	98	%	70-130		1		10/23/23 20:42	460-00-4	
1,2-Dichlorobenzene-d4 (S)	109	%	70-130		1		10/23/23 20:42	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		10/23/23 20:42	2037-26-5	

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## QUALITY CONTROL DATA

Project: 1690004905-CONV EXPRESS CLEANE

Pace Project No.: 40269898

QC Batch:	458278	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
		Laboratory:	Pace Analytical Services - Green Bay
Associated Lab Samples:	40269898001, 40269898002, 40269898003, 40269898004, 40269898005		

METHOD BLANK: 2632317 Matrix: Water

Associated Lab Samples: 40269898001, 40269898002, 40269898003, 40269898004, 40269898005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.36	1.0	10/23/23 14:48	
1,1,1-Trichloroethane	ug/L	<0.30	1.0	10/23/23 14:48	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	1.0	10/23/23 14:48	
1,1,2-Trichloroethane	ug/L	<0.34	1.0	10/23/23 14:48	
1,1-Dichloroethane	ug/L	<0.30	1.0	10/23/23 14:48	
1,1-Dichloroethene	ug/L	<0.58	1.0	10/23/23 14:48	
1,1-Dichloropropene	ug/L	<0.41	1.0	10/23/23 14:48	
1,2,3-Trichlorobenzene	ug/L	<1.0	5.0	10/23/23 14:48	
1,2,3-Trichloropropane	ug/L	<0.56	1.0	10/23/23 14:48	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	10/23/23 14:48	
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	10/23/23 14:48	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	10/23/23 14:48	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	10/23/23 14:48	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	10/23/23 14:48	
1,2-Dichloroethane	ug/L	<0.29	1.0	10/23/23 14:48	
1,2-Dichloropropane	ug/L	<0.45	1.0	10/23/23 14:48	
1,3,5-Trimethylbenzene	ug/L	<0.36	1.0	10/23/23 14:48	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	10/23/23 14:48	
1,3-Dichloropropane	ug/L	<0.30	1.0	10/23/23 14:48	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	10/23/23 14:48	
2,2-Dichloropropane	ug/L	<0.42	1.0	10/23/23 14:48	
2-Chlorotoluene	ug/L	<0.89	5.0	10/23/23 14:48	
4-Chlorotoluene	ug/L	<0.89	5.0	10/23/23 14:48	
Benzene	ug/L	<0.30	1.0	10/23/23 14:48	
Bromobenzene	ug/L	<0.36	1.0	10/23/23 14:48	
Bromochloromethane	ug/L	<0.36	1.0	10/23/23 14:48	
Bromodichloromethane	ug/L	<0.42	1.0	10/23/23 14:48	
Bromoform	ug/L	<0.43	1.0	10/23/23 14:48	
Bromomethane	ug/L	<1.2	5.0	10/23/23 14:48	
Carbon tetrachloride	ug/L	<0.37	1.0	10/23/23 14:48	
Chlorobenzene	ug/L	<0.86	1.0	10/23/23 14:48	
Chloroethane	ug/L	<1.4	5.0	10/23/23 14:48	
Chloroform	ug/L	<0.50	5.0	10/23/23 14:48	
Chloromethane	ug/L	<1.6	5.0	10/23/23 14:48	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	10/23/23 14:48	
cis-1,3-Dichloropropene	ug/L	<0.24	1.0	10/23/23 14:48	
Dibromochloromethane	ug/L	<2.6	5.0	10/23/23 14:48	
Dibromomethane	ug/L	<0.99	5.0	10/23/23 14:48	
Dichlorodifluoromethane	ug/L	<0.46	5.0	10/23/23 14:48	
Diisopropyl ether	ug/L	<1.1	5.0	10/23/23 14:48	

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: 1690004905-CONV EXPRESS CLEANE

Pace Project No.: 40269898

METHOD BLANK: 2632317

Matrix: Water

Associated Lab Samples: 40269898001, 40269898002, 40269898003, 40269898004, 40269898005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.33	1.0	10/23/23 14:48	
Hexachloro-1,3-butadiene	ug/L	<2.7	5.0	10/23/23 14:48	
Isopropylbenzene (Cumene)	ug/L	<1.0	5.0	10/23/23 14:48	
m&p-Xylene	ug/L	<0.70	2.0	10/23/23 14:48	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	10/23/23 14:48	
Methylene Chloride	ug/L	<0.32	5.0	10/23/23 14:48	
n-Butylbenzene	ug/L	<0.86	1.0	10/23/23 14:48	
n-Propylbenzene	ug/L	<0.35	1.0	10/23/23 14:48	
Naphthalene	ug/L	<1.9	5.0	10/23/23 14:48	
o-Xylene	ug/L	<0.35	1.0	10/23/23 14:48	
p-Isopropyltoluene	ug/L	<1.0	5.0	10/23/23 14:48	
sec-Butylbenzene	ug/L	<0.42	1.0	10/23/23 14:48	
Styrene	ug/L	<0.36	1.0	10/23/23 14:48	
tert-Butylbenzene	ug/L	<0.59	1.0	10/23/23 14:48	
Tetrachloroethene	ug/L	<0.41	1.0	10/23/23 14:48	
Toluene	ug/L	<0.29	1.0	10/23/23 14:48	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	10/23/23 14:48	
trans-1,3-Dichloropropene	ug/L	<0.27	1.0	10/23/23 14:48	
Trichloroethene	ug/L	<0.32	1.0	10/23/23 14:48	
Trichlorofluoromethane	ug/L	<0.42	1.0	10/23/23 14:48	
Vinyl chloride	ug/L	<0.17	1.0	10/23/23 14:48	
Xylene (Total)	ug/L	<1.0	3.0	10/23/23 14:48	
1,2-Dichlorobenzene-d4 (S)	%	110	70-130	10/23/23 14:48	
4-Bromofluorobenzene (S)	%	98	70-130	10/23/23 14:48	
Toluene-d8 (S)	%	99	70-130	10/23/23 14:48	

LABORATORY CONTROL SAMPLE: 2632318

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	54.6	109	70-132	
1,1,2,2-Tetrachloroethane	ug/L	50	53.4	107	70-130	
1,1,2-Trichloroethane	ug/L	50	55.7	111	70-130	
1,1-Dichloroethane	ug/L	50	54.6	109	70-130	
1,1-Dichloroethene	ug/L	50	52.3	105	73-140	
1,2,4-Trichlorobenzene	ug/L	50	41.4	83	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	42.5	85	58-130	
1,2-Dibromoethane (EDB)	ug/L	50	49.5	99	70-130	
1,2-Dichlorobenzene	ug/L	50	52.1	104	70-130	
1,2-Dichloroethane	ug/L	50	54.1	108	70-130	
1,2-Dichloropropane	ug/L	50	60.1	120	77-127	
1,3-Dichlorobenzene	ug/L	50	47.1	94	70-130	
1,4-Dichlorobenzene	ug/L	50	50.0	100	70-130	
Benzene	ug/L	50	54.7	109	70-130	
Bromodichloromethane	ug/L	50	54.5	109	70-130	

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## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: 1690004905-CONV EXPRESS CLEANE

Pace Project No.: 40269898

LABORATORY CONTROL SAMPLE: 2632318

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/L	50	53.5	107	70-130	
Bromomethane	ug/L	50	45.4	91	22-141	
Carbon tetrachloride	ug/L	50	55.7	111	70-135	
Chlorobenzene	ug/L	50	54.9	110	70-130	
Chloroethane	ug/L	50	47.4	95	59-141	
Chloroform	ug/L	50	54.3	109	80-124	
Chloromethane	ug/L	50	41.5	83	29-150	
cis-1,2-Dichloroethene	ug/L	50	48.3	97	70-130	
cis-1,3-Dichloropropene	ug/L	50	50.0	100	70-130	
Dibromochloromethane	ug/L	50	50.4	101	70-130	
Dichlorodifluoromethane	ug/L	50	17.7	35	10-147	
Ethylbenzene	ug/L	50	56.2	112	80-125	
Isopropylbenzene (Cumene)	ug/L	50	56.7	113	70-130	
m&p-Xylene	ug/L	100	117	117	70-130	
Methyl-tert-butyl ether	ug/L	50	46.2	92	64-131	
Methylene Chloride	ug/L	50	57.5	115	70-137	
o-Xylene	ug/L	50	56.6	113	70-130	
Styrene	ug/L	50	62.8	126	70-130	
Tetrachloroethene	ug/L	50	52.0	104	70-130	
Toluene	ug/L	50	53.4	107	80-120	
trans-1,2-Dichloroethene	ug/L	50	49.8	100	70-131	
trans-1,3-Dichloropropene	ug/L	50	52.1	104	70-130	
Trichloroethene	ug/L	50	52.7	105	70-130	
Trichlorofluoromethane	ug/L	50	49.7	99	69-141	
Vinyl chloride	ug/L	50	43.5	87	51-145	
Xylene (Total)	ug/L	150	174	116	70-130	
1,2-Dichlorobenzene-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			102	70-130	
Toluene-d8 (S)	%			102	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2632486 2632487

Parameter	Units	MS		MSD		MS		MSD		% Rec		Max	
		40269839015	Spike Result	Spike Conc.	Conc.	Result	% Rec	Result	% Rec	Limits	RPD	RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.30	50	50	52.5	54.9	105	110	70-132	4	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.38	50	50	52.9	55.9	106	112	70-131	6	20		
1,1,2-Trichloroethane	ug/L	<0.34	50	50	53.2	57.3	106	115	70-130	7	20		
1,1-Dichloroethane	ug/L	<0.30	50	50	53.6	55.5	107	111	70-131	4	20		
1,1-Dichloroethene	ug/L	<0.58	50	50	53.4	52.9	107	106	69-146	1	20		
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	42.8	46.8	86	94	70-130	9	20		
1,2-Dibromo-3-chloropropane	ug/L	<2.4	50	50	44.6	47.6	89	95	56-130	7	20		
1,2-Dibromoethane (EDB)	ug/L	<0.31	50	50	46.6	51.1	93	102	70-130	9	20		
1,2-Dichlorobenzene	ug/L	<0.33	50	50	51.9	57.5	104	115	70-130	10	20		
1,2-Dichloroethane	ug/L	<0.29	50	50	56.1	54.4	112	109	70-130	3	20		

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## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: 1690004905-CONV EXPRESS CLEANE

Pace Project No.: 40269898

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:		2632486		2632487									
Parameter	Units	MS		MSD		MS		MSD		% Rec		Max	
		40269839015	Spike Conc.	Spike Conc.	MS Result	MSD Result	% Rec	MSD % Rec	Limits	RPD	RPD	Qual	
1,2-Dichloropropane	ug/L	<0.45	50	50	58.0	58.2	116	116	77-129	0	20		
1,3-Dichlorobenzene	ug/L	<0.35	50	50	48.0	51.6	96	103	70-130	7	20		
1,4-Dichlorobenzene	ug/L	<0.89	50	50	51.1	55.1	102	110	70-130	8	20		
Benzene	ug/L	<0.30	50	50	53.8	56.7	108	113	70-130	5	20		
Bromodichloromethane	ug/L	<0.42	50	50	52.4	55.5	105	111	70-130	6	20		
Bromoform	ug/L	<0.43	50	50	52.5	57.6	105	115	70-130	9	20		
Bromomethane	ug/L	<1.2	50	50	40.6	48.3	81	97	12-159	17	26		
Carbon tetrachloride	ug/L	<0.37	50	50	54.6	58.0	109	116	70-135	6	20		
Chlorobenzene	ug/L	<0.86	50	50	52.7	56.3	105	113	70-130	7	20		
Chloroethane	ug/L	<1.4	50	50	43.5	45.7	87	91	56-143	5	20		
Chloroform	ug/L	<0.50	50	50	53.0	55.4	106	111	80-126	4	20		
Chloromethane	ug/L	<1.6	50	50	34.9	34.6	70	69	22-156	1	20		
cis-1,2-Dichloroethene	ug/L	<0.47	50	50	46.8	50.7	94	101	70-130	8	20		
cis-1,3-Dichloropropene	ug/L	<0.24	50	50	50.8	53.0	102	106	70-130	4	20		
Dibromochloromethane	ug/L	<2.6	50	50	48.5	51.7	97	103	70-130	6	20		
Dichlorodifluoromethane	ug/L	<0.46	50	50	12.9	12.5	26	25	10-147	3	20		
Ethylbenzene	ug/L	<0.33	50	50	53.0	57.5	106	115	80-126	8	20		
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50	52.1	58.1	104	116	70-130	11	20		
m&p-Xylene	ug/L	<0.70	100	100	112	123	112	123	70-130	9	20		
Methyl-tert-butyl ether	ug/L	<1.1	50	50	46.7	47.8	93	96	64-136	2	20		
Methylene Chloride	ug/L	<0.32	50	50	53.9	57.4	108	115	70-137	6	20		
o-Xylene	ug/L	<0.35	50	50	54.5	58.6	109	117	70-130	7	20		
Styrene	ug/L	<0.36	50	50	59.0	64.9	118	130	70-133	10	20		
Tetrachloroethene	ug/L	<0.41	50	50	50.2	54.1	100	108	70-131	8	20		
Toluene	ug/L	<0.29	50	50	50.8	55.1	102	110	80-121	8	20		
trans-1,2-Dichloroethene	ug/L	<0.53	50	50	48.9	50.8	98	102	70-135	4	20		
trans-1,3-Dichloropropene	ug/L	<0.27	50	50	52.2	55.6	104	111	70-130	6	20		
Trichloroethene	ug/L	<0.32	50	50	51.2	53.2	102	106	70-130	4	20		
Trichlorofluoromethane	ug/L	<0.42	50	50	47.7	48.3	95	97	67-142	1	20		
Vinyl chloride	ug/L	<0.17	50	50	37.8	37.9	76	76	45-147	0	20		
Xylene (Total)	ug/L	<1.0	150	150	167	182	111	121	70-130	9	20		
1,2-Dichlorobenzene-d4 (S)	%						100	103	70-130				
4-Bromofluorobenzene (S)	%						104	105	70-130				
Toluene-d8 (S)	%						99	103	70-130				

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## REPORT OF LABORATORY ANALYSIS

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## QUALIFIERS

Project: 1690004905-CONV EXPRESS CLEANE

Pace Project No.: 40269898

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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.

DL - Adjusted Method Detection Limit.

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.

## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1690004905-CONV EXPRESS CLEANE

Pace Project No.: 40269898

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40269898001	MW-7	EPA 8260	458278		
40269898002	MW-12	EPA 8260	458278		
40269898003	MW-4	EPA 8260	458278		
40269898004	EB-01	EPA 8260	458278		
40269898005	TRIP BLANK	EPA 8260	458278		

## REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)		
Company Name:	RAMBOLL (RAES)	
Branch/Location:	MILWAUKEE, WI	
Project Contact:	SCOTT TARMAN	
Phone:		
Project Number:	1690004905-CANV	
Project Name:	EXPRESS CLEANERS	
Project State:	WISCONSIN	
Sampled By (Print):	D GLASFORD	
Sampled By (Sign):	D. Glaford	
PO #:	Regulatory Program:	
<b>Data Package Options</b> (billable)		<b>MS/MSD</b>
<input type="checkbox"/> EPA Level III <input type="checkbox"/> EPA Level IV		<input type="checkbox"/> On your sample (billable) <input type="checkbox"/> NOT needed on your sample
		A = Air B = Biota C = Charcoal O = Oil S = Soil Sl = Sludge
PACE LAB #	<b>CLIENT FIELD ID</b>	
	COLL DATE	
	MW-7	10-18-23
	MW-1Z	
	MW-4	
	E B-01	▼
	TRIP BLANK	
Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge) Date Needed:		
Transmit Prelim Rush Results by (complete what you want):		
Email #1:	Relind	
Email #2:	Relind	
Telephone:	Relind	
Fax:	Relind	
Samples on HOLD are subject to special pricing and release of liability		



UPPER MIDWEST REGION

MN: 612-607-1700 WI: 920-469-2436

Page 1 of

40209898

# **CHAIN OF CUSTODY**

<u><b>Preservation Codes</b></u>						
A=None	B=HCl	C=H <sub>2</sub> SO <sub>4</sub>	D=HNO <sub>3</sub>	E=DI Water	F=Methanol	G=NaOH
H=Sodium Bisulfate Solution	I=Sodium Thiosulfate	J=Other				

<b>Quote #:</b>		
<b>Mail To Contact:</b>		
<b>Mail To Company:</b>		
<b>Mail To Address:</b>		
<b>Invoice To Contact:</b>		
<b>Invoice To Company:</b>		
<b>Invoice To Address:</b>		
<b>Invoice To Phone:</b>		
<b>CLIENT COMMENTS</b>	<b>LAB COMMENTS (Lab Use Only)</b>	<b>Profile #</b>
	001 002 003 004 005	
<b>LOGISTICS</b>	Date/Time	PACE Project No.
<i>Logistics</i>	10/19/23 13:00	
<b>Doce</b>	Date/Time	Receipt Temp = °C
<i>Doce</i>	10/20/23 08:55	
<b>Date</b>	Date/Time	Sample Receipt pH
<i>Date</i>		OK / Adjusted
<b>Date</b>	Date/Time	Cooler Custody Seal
<i>Date</i>		Present / Not Present
<b>Date</b>	Date/Time	Intact / Not Intact
<i>Date</i>		Page 22 of 24

Version 6.0 06/14/06

ORIGINAL

Client Name: Ramboll

All containers needing preservation have been checked and noted below.

Lab Lot#/ of pH paper

## Sample Preservation Receipt Form

Project #

40269898 Yes No N/A

Lab Std #ID of preservation (if pH adjusted).

Initial when completed

Date/  
Time:

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	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	BP2Z	VG9C	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WG FU	WPFU	SP5T	ZPLC	GN 1	GN 2	
001																												2.5 / 5
002																												2.5 / 5
003																												2.5 / 5
004																												2.5 / 5
005																												2.5 / 5
006																												2.5 / 5
007																												2.5 / 5
008																												2.5 / 5
009																												2.5 / 5
010																												2.5 / 5
011																												2.5 / 5
012																												2.5 / 5
013																												2.5 / 5
014																												2.5 / 5
015																												2.5 / 5
016																												2.5 / 5
017																												2.5 / 5
018																												2.5 / 5
019																												2.5 / 5
020																												2.5 / 5

Exceptions to preservation check. VOA, Coliform, TOC, TOX, TOH, O&amp;G, WI DRO, Phenolics, Other:

Headspace in VOA Vials (>6mm) :  Yes  No  N/A

\*If yes look in headspace column

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	VG9C	40 mL clear ascorbic w/ HCl	JGFU	4 oz amber jar unpres
BG1U	1 liter clear glass	BP3U	250 mL plastic unpres	DG9T	40 mL amber Na Thio	JG9U	9 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP3B	250 mL plastic NaOH	VG9U	40 mL clear vial unpres	WG FU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9H	40 mL clear vial HCL	WPFU	4 oz plastic jar unpres
AG5U	100 mL amber glass unpres	BP3S	250 mL plastic H2SO4	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH + Zn	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres					GN 1	
						GN 2	

Page 1 of 2

## Sample Condition Upon Receipt Form (SCUR)

Project #:

Client Name: RambollCourier:  CS Logistics  FedEx  Speedee  UPS  Waltco Client  Pace Other:Tracking #: 5092 4032 3041WO# : **40269898**

40269898

Custody Seal on Cooler/Box Present:  yes  no Seals intact:  yes  noCustody Seal on Samples Present:  yes  no Seals intact:  yes  noPacking Material:  Bubble Wrap  Bubble Bags  None  OtherThermometer Used SR - 129 Type of Ice: Wet Blue Dry None  Meltwater OnlyCooler Temperature Uncorr: 1.0 ICorr: 1.0Temp Blank Present:  yes  noBiological 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: 10/20/23 /Initials: TJWLabeled By Initials: YJ

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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
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: - DI VOA Samples frozen upon receipt	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5. Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume: For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
Correct Type: Pace Green Bay, Pace IR, Non-Pace		
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	11.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <u>W</u>	12.
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13. <u>Trip blank added to COC by lab 10/20/23 TJW</u>
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):	<u>508</u>	

## 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 logit

Page 2 of 2