

Submitted Via E-mail and Online Submittal Portal

Ms. Shanna Laube-Anderson
 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, 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 1, 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:

Ref. 1690004905

- 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 (µg/L), slightly above the WAC NR 140 Preventive Action Limit (PAL) of 7.0 µg/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 µg/L, below the PAL of 20 µg/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 µg/L, above the WAC NR 140 Enforcement Standard (ES), trichloroethylene (TCE) was detected at a concentration of 1.9 µg/L, above the WAC NR 140 PAL, and cis-1,2-DCE was

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 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,

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TABLE

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
NR 140 ES Standard		400	6	30	7	70	100	5	5	5	0.2
NR 140 PAL Standard		80	0.6	3	0.7	7	20	0.5	0.5	0.5	0.02
MW-1	4/27/2007	#N/A	<4.8	#N/A	#N/A	<u>13.6</u> J	<9.5	#N/A	330	<4.4	<2
	1/15/2008	#N/A	<4.8	#N/A	#N/A	<u>13.9</u> J	<9.5	#N/A	179	<4.4	<2
	4/7/2011	<1.4	<0.49	<1.9	<0.6	<u>15.3</u>	<0.79	<1.1	173	4.9	<0.18
	9/15/2016	<0.75	<5.0	<1.0	<0.82	96.3	5.1	<0.47	193	15.5	<0.35
	4/20/2017	<0.75	<5.0	<1.0	<0.82	<u>39.4</u>	3	<0.47	98.6	38.4	<0.35
	10/18/2017	<18.7	<125	<25.0	<20.5	5,670	<u>47.7</u> J	<11.6	86.0	138	<8.8
	4/25/2018	<0.75	<5.0	<1.0	8.2	9,730	147	<0.47	192	42.2	127
	10/24/2018	<2.7	<2.5	<4.4	12.7	28,700	594 J	<1.2	9.2	16.8	3,770
	4/11/2019	<67.1	<63.7	<109	<12.2	4,120	124 J	<29.0	185	83.4	174
	10/14/2019	<67.1	<63.7	<109	<12.2	3,150	<u>73.9</u> J	<29.0	58.1	55.5	367
	4/9/2020	<6.7	<6.4	<10.9	<1.2	367	16.9	<2.9	127	78.9	370
10/22/2020	<6.7	<6.4	<10.9	<1.2	1,050	<u>47.9</u>	<2.9	<u>3.6</u> J	8.4	1,520	
9/28/2023	<6.9	<2.5	<8.2	<2.9	<u>46.3</u>	6.9	<1.6	<u>2.8</u> J	<1.6	1,670	
MW-1 DUP	10/18/2017	<18.7	<125	<25.0	<20.5	5,550	<u>38.1</u> J	<11.6	96.7	166	<8.8
	4/25/2018	<0.75	<5.0	1.9 J	7.0	8,990	147	<0.47	283	55.9	108
MW-2 ⁽¹⁾	4/27/2007	#N/A	<4.8	#N/A	#N/A	<6.8	<9.5	#N/A	370	16.2	<2
	1/15/2008	#N/A	<4.8	#N/A	#N/A	<u>21.1</u> J	<9.5	#N/A	223	14.7	<2
	4/7/2011	<1.4	<0.49	<1.9	<0.6	<u>22.7</u>	0.86 J	<1.1	94	9	<0.18
	9/14/2016	<0.37	<2.5	0.52 J	<0.41	<u>29.7</u>	1.6	<0.23	47.1	14	<0.18
MW-3 ⁽¹⁾	4/27/2007	#N/A	<24	#N/A	#N/A	1,100	<47.5	#N/A	2,520	279	<10
	1/15/2008	#N/A	<24	#N/A	#N/A	1,090	<47.5	#N/A	2,410	284	<10
	4/7/2011	<70	<24.5	<95	<30	600	<39.5	<55	770	82	<9
	9/15/2016	<3.7	<25.0	<5.0	<4.1	175	9.4 J	<2.3	437	34.5	<1.8
MW-3R ⁽¹⁾	4/20/2017	<7.5	<50.0	<10.0	<8.2	1,620	<5.1	<u>4.9</u> J	<10.0	23.3	11.1 J
	10/18/2017	<18.7	<125	<25.0	<20.5	6,060	<u>20.6</u> J	<11.6	<25.0	<16.5	49.9 J
	4/25/2018	<18.7	<125	<25.0	<20.5	3,850	<12.8	<11.6	<25.0	<16.5	48.5 J
	10/24/2018	<67.1	<63.7	<109	<12.2	3,290	<54.5	<29.0	<16.3	<12.8	24.6 J
	4/11/2019	<67.1	<63.7	<109	<12.2	2,340	<54.5	<29.0	<16.3	<12.8	26.5 J
	10/15/2019	<53.7	<51.0	<87.6	<9.8	1,650	<43.6	<23.2	<13.1	<10.2	15.4 J
	4/10/2020	<13.4	<12.7	<21.9	<2.4	1,150	<4.6	<5.8	<3.3	<2.6	18.5
	10/22/2020	<13.4	<12.7	<21.9	<2.4	1,500	<4.6	<5.8	<3.3	<2.6	15.5
9/28/2023	<13.8	<5.0	<16.4	<5.8	220	<5.3	<3.2	<4.1	<3.2	675	
MW-4	4/27/2007	#N/A	<0.48	#N/A	#N/A	<0.68	<0.95	#N/A	<0.52	<0.44	<0.2
	1/15/2008	#N/A	<4.8	#N/A	#N/A	<0.68	<0.95	#N/A	<0.52	<0.44	<0.2
	4/7/2011	<1.4	<0.49	<1.9	<0.6	<0.74	<0.79	<1.1	<0.44	<0.47	<0.18
	9/14/2016	<0.37	<2.5	<0.50	<0.41	<0.26	<0.26	<0.23	<0.50	<0.33	<0.18
	9/28/2023	<1.4	<0.50	<1.6	<0.58	<0.47	<0.53	<0.32	<0.41	<0.32	1.5
	10/18/2023	<1.4	<0.50	<1.6	<0.58	<0.47	<0.53	<0.32	<0.41	<0.32	<0.17
MW-5	1/15/2008	#N/A	<0.48	#N/A	#N/A	<0.68	<0.95	#N/A	<0.52	<0.44	<0.2
	4/7/2011	<1.4	<0.49	<1.9	<0.6	<0.74	<0.79	<1.1	<0.44	<0.47	<0.18
	9/15/2016	<0.37	<2.5	<0.50	<0.41	<0.26	<0.26	<0.23	<0.50	<0.33	<0.18
	9/27/2023	<1.4	<0.50	<1.6	<0.58	<0.47	<0.53	<0.32	<0.41	<0.32	<0.17
MW-6	1/15/2008	#N/A	<0.48	#N/A	#N/A	<0.68	<0.95	#N/A	<u>2.42</u>	<u>1.67</u>	<0.2
	4/7/2011	<1.4	<0.49	<1.9	<0.6	<u>19.1</u>	<0.79	<1.1	6.5	3.03	<0.18
	9/15/2016	<0.37	<2.5	<0.50	<0.41	4.5	0.53 J	<0.23	7.8	2.9	<0.18
	4/19/2017	<0.37	<2.5	<0.50	<0.41	2.2	<0.26	<0.23	14.9	2.7	<0.18
	10/17/2017	<0.37	<2.5	<0.50	<0.41	3.3	0.73 J	<0.23	9.3	2.9	<0.18
	4/24/2018	<0.37	<2.5	<0.50	<0.41	1.3	<0.26	<0.23	8.1	2.6	<0.18
	10/23/2018	<1.3	<1.3	<2.2	<0.24	<u>9.2</u>	<1.1	<0.58	15.4	3.8	<0.17
	4/10/2019	<1.3	<1.3	<2.2	<0.24	<u>12.3</u>	<1.1	<0.58	14.4	4.2	0.22 J
	10/14/2019	<1.3	<1.3	<2.2	<0.24	<u>18.5</u>	<1.1	<0.58	13.1	4.8	<0.17
	4/9/2020	<1.3	<1.3	<2.2	<0.24	<u>15.3</u>	0.74 J	<0.58	11.3	4.1	0.89 J
	10/22/2020	<1.3	<1.3	<2.2	<0.24	<u>11.1</u>	0.67 J	<0.58	7.6	3.6	<0.17
9/27/2023	<1.4	<0.50	<1.6	<0.58	3.2	<0.53	<0.32	<u>4.7</u>	<u>1.9</u>	<0.17	
MW-7	1/15/2008	#N/A	<0.48	#N/A	#N/A	<0.68	<0.95	#N/A	<0.52	<0.44	<0.2
	4/7/2011	<1.4	<0.49	<1.9	<0.6	<0.74	<0.79	<1.1	<0.44	<0.47	<0.18
	9/15/2016	<0.37	<2.5	1.0	<0.41	<0.26	<0.26	<0.23	<0.50	<0.33	<0.18
	9/27/2023	<1.4	<0.50	<1.6	<0.58	6.2	<0.53	<0.32	<u>1.3</u>	<0.32	<0.17
	10/18/2023	<1.4	<0.50	<1.6	<0.58	<u>7.7</u>	<u>0.57</u> J	<0.32	<0.41	<0.32	<0.17
MW-8	1/15/2008	#N/A	0.55 J	#N/A	#N/A	220	8.6	#N/A	826	36	<0.2
	4/7/2011	<70	<24.5	<95	<30	99 J	<39.5	<55	810	<23.5	<9
	9/15/2016	<3.7	<25.0	<5.0	<4.1	71.4	4.9 J	<2.3	920	39.9	<1.8
	4/20/2017	<0.94	<6.2	<1.2	<1.0	173	10	<u>0.69</u> J	49	371	0.69 J
	10/18/2017	<3.7	<25.0	<5.0	<4.1	866	16.8	<2.3	<5.0	<3.3	<1.8
	4/25/2018	<3.7	<25.0	<5.0	<4.1	761	15.3	<2.3	<5.0	<3.3	2.3 J
	10/24/2018	<13.4	<12.7	<21.9	<2.4	1,300	<u>25.4</u> J	<5.8	<3.3	<2.6	4.4 J
	4/11/2019	<13.4	<12.7	<21.9	<2.4	1,040	<u>21.5</u> J	<5.8	<3.3	<2.6	3.8 J
	10/15/2019	<2.7	<2.5	<4.4	<0.49	228	15.1	<1.2	<0.65	<0.51	2.7
	4/10/2020	<13.4	<12.7	<21.9	<2.4	820	<u>23.1</u>	<5.8	<3.3	<2.6	3.3 J
	10/22/2020	<13.4	<12.7	<21.9	<2.4	930	<u>24.5</u>	<5.8	<3.3	<2.6	3.5 J
9/28/2023	<13.8	<5.0	<16.4	<5.8	48.3	<u>25.0</u>	<3.2	<4.1	<3.2	1,600	

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
NR 140 ES Standard		400	6	30	7	70	100	5	5	5	0.2
NR 140 PAL Standard		80	0.6	3	0.7	7	20	0.5	0.5	0.5	0.02
MW-9	4/27/2007	#N/A	<4.8	#N/A	#N/A	13.6 J	<9.5	#N/A	330	<4.4	<2
	1/15/2008	#N/A	<0.48	#N/A	#N/A	<0.68	<0.95	#N/A	<0.52	<0.44	<0.2
	4/7/2011	<1.4	<0.49	<1.9	<0.6	<0.74	<0.79	<1.1	1.52	<0.47	<0.18
	9/14/2016	<0.37	<2.5	<0.50	<0.41	<0.26	<0.26	<0.23	0.88 J	<0.33	<0.18
	4/20/2017	<0.37	<2.5	<0.50	<0.41	<0.26	<0.26	<0.23	4.9	<0.33	<0.18
	10/17/2017	<0.37	<2.5	<0.50	<0.41	<0.26	<0.26	<0.23	4.2	<0.33	<0.18
	4/24/2018	<0.37	<2.5	<0.50	<0.41	32.4	<0.26	<0.23	2.6	<0.33	<0.18
	10/23/2018	<1.3	<1.3	<2.2	<0.24	387	3.7	<0.58	5.7	0.49 J	<0.17
	4/10/2019	<1.3	<1.3	<2.2	<0.24	53.7	<1.1	<0.58	2.6	0.59 J	1.3
	10/14/2019	<13.4	<12.7	<21.9	<2.4	612	12.2 J	<5.8	10.9	10.9 J	9.0 J
	4/9/2020	<1.3	<1.3	<2.2	<0.24	156	4.3	<0.58	6.9	7.3	0.24 J
	10/22/2020	<1.3	<1.3	<2.2	<0.24	46.2	1.2 J	<0.58	3.3	1.1	<0.17
9/28/2023	<1.4	<0.50	<1.6	<0.58	42.2	2.7	<0.32	7.8	1.4	<0.17	
MW-9 DUP	4/20/2017	<0.37	<2.5	<0.50	<0.41	<0.26	<0.26	<0.23	5.4	<0.33	<0.18
	10/17/2017	<0.37	<2.5	<0.50	<0.41	<0.26	<0.26	<0.23	5.2	<0.33	<0.18
	4/24/2018	<0.37	<2.5	<0.50	<0.41	36.0	<0.26	<0.23	2.8	<0.33	<0.18
	4/10/2019	<1.3	<1.3	<2.2	<0.24	52.1	<1.1	<0.58	2.8	0.64 J	1.2
	10/14/2019	<1.3	<1.3	<2.2	<0.24	629	11.3	<0.58	10.9	11.5	9.9
	4/9/2020	<1.3	<1.3	<2.2	<0.24	153	4.1	<0.58	6.9	7.3	0.25 J
	10/22/2020	<1.3	<1.3	<2.2	<0.24	44.7	1.2 J	<0.58	3.2	1.1	<0.17
	9/28/2023	<1.4	<0.50	<1.6	<0.58	42.5	2.9	<0.32	8.1	1.5	<0.17
MW-10	1/15/2008	#N/A	<0.48	#N/A	#N/A	<0.68	<0.95	#N/A	<0.52	<0.44	<0.2
	4/7/2011	<1.4	<0.49	<1.9	<0.6	<0.74	<0.79	<1.1	<0.44	<0.47	<0.18
	9/15/2016	<0.37	<2.5	0.79 J	<0.41	<0.26	<0.26	<0.23	<0.50	<0.33	<0.18
	9/28/2023	<1.4	<0.50	<1.6	<0.58	0.86 J	<0.53	<0.32	<0.41	<0.32	<0.17
MW-11	5/19/2009	<1.5	<1.48	<0.5	<0.47	<0.68	<0.61	<1.5	<0.42	<0.39	<0.2
	4/7/2011	<1.4	<0.49	<1.9	<0.6	<0.74	<0.79	<1.1	<0.44	<0.47	<0.18
	9/15/2016	<0.37	<2.5	0.57 J	<0.41	<0.26	<0.26	<0.23	<0.50	<0.33	<0.18
	9/27/2023	<1.4	<0.50	<1.6	<0.58	<0.47	<0.53	<0.32	<0.41	<0.32	<0.17
MW-12	5/19/2009	<1.5	<1.48	<0.5	<0.47	7.3	<0.61	<1.5	22.6	0.62 J	<0.2
	4/7/2011	<1.4	<0.49	<1.9	<0.6	1.91 J	<0.79	<1.1	5.4	<0.47	<0.18
	9/15/2016	<0.37	<2.5	0.58 J	<0.41	92.8	5	<0.23	25.7	2.5	<0.18
	4/19/2017	<0.37	<2.5	<0.50	<0.41	41.5	2.1	<0.23	36	2.6	<0.18
	10/17/2017	<0.37	<2.5	<0.50	<0.41	76.2	3.2	<0.23	69.5	7.6	<0.18
	4/24/2018	<0.37	<2.5	<0.50	<0.41	31.2	1.1	<0.23	20.2	3.0	<0.18
	10/23/2018	<1.3	<1.3	<2.2	<0.24	34.2	1.6 J	<0.58	31.0	4.0	<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	25.9	<1.1	<0.58	24.1	2.5	<0.17
	4/9/2020	<1.3	<1.3	<2.2	<0.24	5.5	<0.46	<0.58	20.0	1.2	<0.17
	10/22/2020	<1.3	<1.3	<2.2	<0.24	34.9	1.4 J	<0.58	14.2	1.9	<0.17
	9/27/2023	2.2 J	<0.50	<1.6	<0.58	71.2	2.1	<0.32	68.6	15.9	2.3
	10/18/2023	<1.4	<0.50	<1.6	<0.58	7.1	<0.53	<0.32	12.4	1.9	<0.17
MW-13	5/19/2009	<1.5	<1.48	<0.5	<0.47	<0.68	<0.61	<1.5	<0.42	<0.39	<0.2
	4/7/2011	<1.4	<0.49	<1.9	<0.6	<0.74	<0.79	<1.1	<0.44	<0.47	<0.18
	9/15/2016	<0.37	<2.5	0.77 J	<0.41	4.7	0.56 J	<0.23	<0.50	<0.33	<0.18
	4/19/2017	<0.37	<2.5	<0.50	<0.41	<0.26	<0.26	<0.23	0.53 J	<0.33	<0.18
	10/17/2017	<0.37	<2.5	<0.50	<0.41	4.2	0.52 J	<0.23	<0.50	<0.33	<0.18
	4/24/2018	<0.37	<2.5	<0.50	<0.41	1.1	<0.26	<0.23	<0.50	<0.33	<0.18
	10/23/2018	<1.3	<1.3	<2.2	<0.24	2.9	<1.1	<0.58	0.39 J	<0.26	<0.17
	4/10/2019	<1.3	<1.3	<2.2	<0.24	6.7	<1.1	<0.58	0.33	<0.26	<0.17
	10/14/2019	<1.3	<1.3	<2.2	<0.24	11.0	<1.1	<0.58	0.34 J	<0.26	<0.17
	4/9/2020	<1.3	<1.3	<2.2	<0.24	4.1	0.50 J	<0.58	<0.33	<0.26	0.55 J
	10/22/2020	<1.3	<1.3	<2.2	<0.24	26.3	2.3	<0.58	<0.33	<0.26	0.79 J
9/27/2023	<1.4	<0.50	<1.6	<0.58	29.4	2.7	<0.32	<0.41	<0.32	<0.17	
MW-13 DUP	9/27/2023	<1.4	<0.50	<1.6	<0.58	30.7	2.7	<0.32	<0.41	<0.32	0.29 J
MW-14	4/7/2011	<1.4	<0.49	<1.9	<0.6	<0.74	<0.79	<1.1	<0.44	<0.47	<0.18
	9/14/2016	<0.37	<2.5	<0.50	<0.41	<0.26	<0.26	<0.23	<0.50	<0.33	<0.18
	9/27/2023	<1.4	<0.50	<1.6	<0.58	<0.47	<0.53	<0.32	<0.41	<0.32	<0.17
MW-15	4/7/2011	<1.4	<0.49	<1.9	<0.6	<0.74	<0.79	<1.1	<0.44	<0.47	<0.18
	9/14/2016	<0.37	<2.5	<0.50	<0.41	<0.26	<0.26	<0.23	<0.50	<0.33	<0.18
	4/19/2017	<0.37	<2.5	<0.50	<0.41	<0.26	<0.26	<0.23	<0.50	<0.33	<0.18
	10/17/2017	<0.37	<2.5	<0.50	<0.41	<0.26	<0.26	<0.23	<0.50	<0.33	<0.18
	4/24/2018	<0.37	<2.5	<0.50	<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

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
NR 140 ES Standard		400	6	30	7	70	100	5	5	5	0.2
NR 140 PAL Standard		80	0.6	3	0.7	7	20	0.5	0.5	0.5	0.02
MW-16	4/27/2007	#N/A	<4.8	#N/A	#N/A	13.6 J	<9.5	#N/A	330	<4.4	<2
	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	1.1	<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	1.16 J	<0.44	<0.2
	4/7/2011	<1.4	<0.49	<1.9	<0.6	<0.74	<0.79	<1.1	2.34	<0.47	<0.18
	9/15/2016	<0.37	<2.5	<0.50	<0.41	<0.26	<0.26	<0.23	5.7	<0.33	<0.18
	10/18/2017	<0.37	<2.5	<0.50	<0.41	<0.26	<0.26	<0.23	0.76 J	<0.33	<0.18
	4/25/2018	<0.37	<2.5	1.9	<0.41	<0.26	<0.26	<0.23	0.57 J	<0.33	<0.18
	10/23/2018	<1.3	<1.3	<2.2	<0.24	1.2	<1.1	<0.58	0.93 J	<0.26	<0.17
	4/11/2019	<1.3	<1.3	<2.2	<0.24	0.64 J	<1.1	<0.58	0.70 J	<0.26	<0.17
	10/15/2019	<1.3	<1.3	<2.2	<0.24	4.2	<1.1	<0.58	0.90 J	0.28 J	<0.17
	4/9/2020	<1.3	<1.3	<2.2	<0.24	2.3	<0.46	<0.58	0.65 J	<0.26	<0.17
	10/22/2020	<1.3	<1.3	<2.2	<0.24	7.5	0.56 J	<0.58	0.89 J	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.

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

Only compounds that have been historically detected are displayed.

FIGURES

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DATE	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	VC
04/2007	<0.52	<0.44	<0.68	<0.95	<2
01/2008	1.16 J	<0.44	<0.68	<0.95	<0.2
04/2011	2.34	<0.47	<0.74	<0.79	<0.18
09/2016	5.7	<0.33	<0.26	<0.26	<0.18
04/2017	NS	NS	NS	NS	NS
10/2017	0.76 J	<0.33	<0.26	<0.26	<0.18
04/2018	0.57 J	<0.33	<0.26	<0.26	<0.18
10/2018	0.93 J	<0.26	1.2	<1.1	<0.17
4/2019	0.70 J	<0.26	0.64 J	<1.1	<0.17
10/2019	0.90 J	0.28 J	4.2	<1.1	<0.17
4/2020	0.65 J	<0.26	2.3	<0.46	<0.17
10/2020	0.89 J	0.33 J	7.5	0.56 J	<0.17
9/2023	<0.41	<0.32	<0.47	<0.53	<0.17

DATE	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	VC
01/2008	<0.52	<0.44	<0.68	<0.95	<0.2
04/2011	<0.44	<0.47	<0.74	<0.79	<0.18
09/2016	<0.50	<0.33	<0.26	<0.26	<0.18
09/2023	<0.41	<0.32	0.86 J	<0.53	<0.17

DATE	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	VC
05/2009	22.6	0.62 J	7.3	<0.61	<0.2
04/2011	5.4	<0.47	1.91 J	<0.79	<0.18
09/2016	25.7	2.5	92.8	5.0	<0.18
04/2017	36.0	2.6	41.5	2.1	<0.18
10/2017	69.5	7.6	76.2	3.2	<0.18
04/2018	20.2	3.0	31.2	1.1	<0.18
10/2018	31.0	4.0	34.2	1.6 J	<0.17
4/2019	<0.33	<0.26	<0.27	<1.1	<0.17
10/2019	24.1	2.5	25.9	<1.1	<0.17
4/2020	20.0	1.2	5.5	<0.46	<0.17
10/2020	14.2	1.9	34.9	1.4 J	<0.17
9/2023	68.6	15.9	71.2	2.1	2.3
10/2023	12.4	1.9	7.1	<0.53	<0.17

DATE	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	VC
01/2008	<0.52	<0.44	<0.68	<0.95	<0.2
04/2011	<0.44	<0.47	<0.74	<0.79	<0.18
09/2016	<0.50	<0.33	<0.26	<0.26	<0.18
09/2023	1.3	<0.32	6.2	<0.53	<0.17
10/2023	<0.41	<0.32	7.7	0.57 J	<0.17

DATE	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	VC
01/2008	2.42	1.67	<0.68	<0.95	<0.2
04/2011	6.5	3.03	19.1	<0.79	<0.18
09/2016	7.8	2.9	4.5	0.53 J	<0.18
04/2017	14.9	2.7	2.2	<0.26	<0.18
10/2017	9.3	2.9	3.2	0.73 J	<0.18
04/2018	8.1	2.6	1.3	<0.26	<0.18
10/2018	15.4	3.8	9.2	<1.1	<0.17
4/2019	14.4	4.2	12.3	<1.1	0.22 J
10/2019	13.1	4.8	18.5	<1.1	<0.17
4/2020	11.3	4.1	15.3	0.74 J	0.89 J
10/2020	7.6	3.6	11.1	0.67 J	<0.17
9/2023	4.7	1.9	3.2	<0.53	<0.17

DATE	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	VC
01/2008	<0.52	<0.44	<0.68	<0.95	<0.2
04/2011	1.52	<0.47	<0.74	<0.79	<0.18
09/2016	0.88 J	<0.33	<0.26	<0.26	<0.18
04/2017	4.9	<0.33	<0.26	<0.26	<0.18
10/2017	4.2	<0.33	<0.26	<0.26	<0.18
04/2018	2.6	<0.33	32.4	<0.26	<0.18
10/2018	5.7	0.49 J	387	3.7	<0.17
4/2019	2.6	0.59 J	53.7	<1.1	1.3
10/2019	10.9	10.9	612	12.2 J	9.0 J
4/2020	6.9	7.3	156	4.3	0.24 J
10/2020	3.3	1.1	46.2	1.2 J	<0.17
9/2023	7.8	1.4	42.2	2.7	<0.17

DATE	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	VC
09/2016	NI	NI	NI	NI	NI
04/2017	<0.50	<0.33	<0.26	<0.26	<0.18
10/2017	<0.50	<0.33	<0.26	<0.26	<0.18
04/2018	<0.50	<0.33	<0.26	<0.26	<0.18
10/2018	<0.33	<0.26	<0.27	<1.1	<0.17
4/2019	<0.33	<0.26	<0.27	<1.1	<0.17
10/2019	<0.33	<0.26	<0.27	<1.1	<0.17
4/2020	<0.33	<0.26	<0.27	<0.46	<0.17
10/2020	<0.33	<0.26	<0.27	<0.46	<0.17
9/2023	<0.41	<0.32	<0.47	<0.53	<0.17

DATE	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	VC
04/2011	<0.44	<0.47	<0.74	<0.79	<0.18
09/2016	<0.50	<0.33	<0.26	<0.26	<0.18
04/2017	<0.50	<0.33	<0.26	<0.26	<0.18
10/2017	<0.50	<0.33	<0.26	<0.26	<0.18
04/2018	<0.50	<0.33	<0.26	<0.26	<0.18
10/2018	<0.33	<0.26	<0.27	<1.1	<0.17
4/2019	<0.33	<0.26	<0.27	<1.1	<0.17
10/2019	<0.33	<0.26	<0.27	<1.1	<0.17
4/2020	<0.33	<0.26	<0.27	<0.46	<0.17
10/2020	<0.33	<0.26	<0.27	<0.46	<0.17
9/2023	<0.41	<0.32	<0.47	<0.53	<0.17

DATE	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	VC
04/2007	330	<4.4	13.6 J	<9.5	<2
01/2008	179	<4.4	13.9 J	<9.5	<2
04/2011	173	4.9	15.3	<0.79	<0.18
09/2016	193	15.5	96.3	5.1	<0.35
04/2017	98.6	384	39.4	3.0	<0.35
10/2017	86.0	138	5,670	47.7 J	<8.8
04/2018	192	42.2	9,730	147	127
10/2018	9.2	16.8	28,700	594 J	3,770
4/2019	185	83.4	4,120	124 J	174
10/2019	58.1	55.5	3,150	73.9 J	367
4/2020	127	78.9	367	16.9	370
10/2020	3.6 J	8.4	1,050	47.9	1,520
9/2023	2.8 J	<1.6	46.3	6.9	1,670

DATE	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	VC
04/2007	2,520	279	1,100	<47.5	<10
01/2008	2,410	284	1,090	<47.5	<10
04/2011	770	82	600	<39.5	<9
09/2016	437	34.5	175	9.4 J	<1.8
04/2017	<10.0	23.3	1,620	<5.1	11.1 J
10/2017	<25.0	<16.5	6,060	20.6 J	49.9 J
04/2018	<25.0	<16.5	3,850	<12.8	48.5 J
10/2018	<16.3	<12.8	3,290	<54.5	24.6 J
4/2019	<16.3	<12.8	2,340	<54.5	26.5 J
10/2019	<13.1	<10.2	1,650	<43.6	15.4 J
4/2020	<3.3	<2.6	1,150	<4.6	18.5
10/2020	<3.3	<2.6	1,500	<4.6	15.5
9/2023	<4.1	<3.2	220	<5.3	675

DATE	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	VC
09/2016	NI	NI	NI	NI	NI
04/2017	<0.50	<0.33	<0.26	<0.26	<0.18
10/2017	<0.50	<0.33	<0.26	<0.26	<0.18
04/2018	<0.50	<0.33	<0.26	<0.26	<0.18
10/2018	<0.33	<0.26	<0.27	<1.1	<0.17
4/2019	<0.33	<0.26	<0.27	<1.1	<0.17
10/2019	<0.33	<0.26	<0.27	<1.1	<0.17
4/2020	<0.33	<0.26	<0.27	<0.46	<0.17
10/2020	<0.33	<0.26	<0.27	<0.46	<0.17
9/2023	<0.41	<0.32	<0.47	<0.53	<0.17

DATE	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	VC
01/2008	<0.52	<0.44	<0.68	<0.95	<0.2
04/2011	<0.44	<0.47	<0.74	<0.79	<0.18
09/2016	<0.50	<0.33	<0.26	<0.26	<0.18
9/2023	<0.41	<0.32	<0.47	<0.53	<0.17

DATE	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	VC
05/2009	<0.42	<0.39	<0.68	<0.61	<0.2
04/2011	<0.44	<0.47	<0.74	<0.79	<0.18
09/2016	<0.50	<0.33	4.7	0.56 J	<0.18
04/2017	0.53 J	<0.33	<0.26	<0.26	<0.18
10/2017	<0.50	<0.33	4.2	0.52 J	<0.18
04/2018	<0.50	<0.33	1.1	<0.26	<0.18
10/2018	0.39 J	<0.26	2.9	<1.1	<0.17
4/2019	<0.33	<0.26	6.7	<1.1	<0.17
10/2019	0.34 J	<0.26	11.0	<1.1	<0.17
4/2020	<0.33	<0.26	4.1	0.50 J	0.55 J
10/2020	<0.33	<0.26	26.3	2.3	0.79 J
9/2023	<0.41	<0.32	29.4	2.7	<0.17

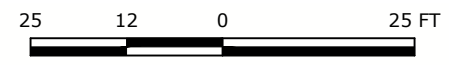
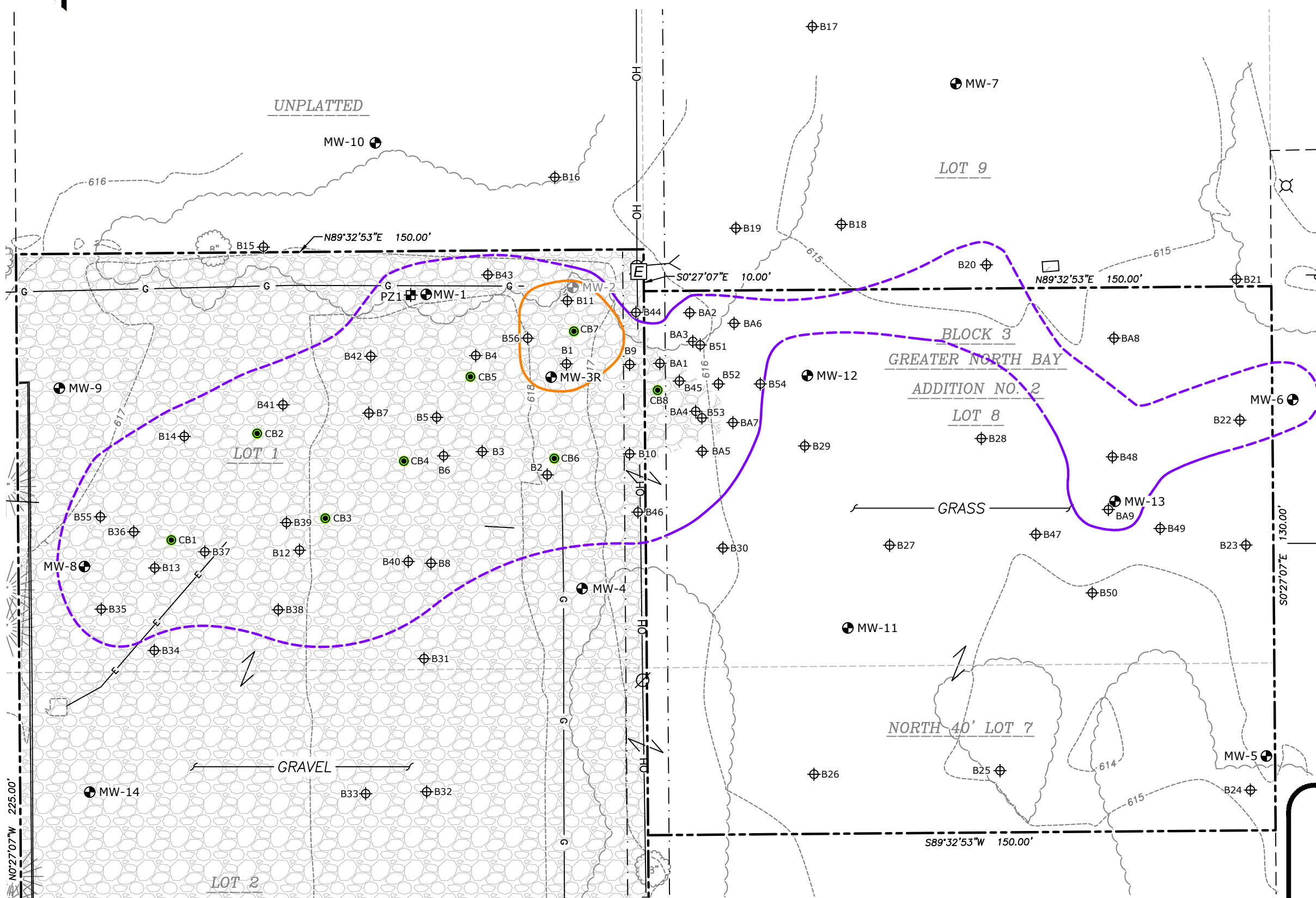
DATE	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	VC
04/2007	330	<4.4	13.6 J	<9.5	<2
01/2008	179	<4.4	13.9 J	<9.5	<2
04/2011	173	4.9	15.3	<0.79	<0.18
09/2016	193	15.5	96.3	5.1	<0.35
04/2017	98.6	384	39.4	3.0	<0.35
10/2017	86.0	138	5,670	47.7 J	<8.8
04/2018	192	42.2	9,730	147	127
10/2018	9.2	16.8	28,700	594 J	3,770
4/2019	185	83.4	4,120	124 J	174
10/2019	58.1	55.5	3,150	73.9 J	367
4/2020	127	78.9	367	16.9	370
10/2020	3.6 J	8.4	1,050	47.9	1,520
9/2023	2.8 J	<1.6	46.3	6.9	1,670

DATE	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	VC
04/2007	2,520	279	1,100	<47.5	<10
01/2008	2,410	284	1,090	<47.5	<10
04/2011	770	82	600	<39.5	<9
09/2016	437	34.5	175	9.4 J	<1.8
04/2017	<10.0	23.3	1,620	<5.	



LEGEND

- PROPERTY BOUNDARY
- EXISTING MONITORING WELL
- ABANDONED MONITORING WELL
- PIEZOMETER
- SOIL BORING
- POST-TREATMENT SOIL SAMPLING LOCATION (MARCH 2017)
- WATER VALVE
- MANHOLE - UNVERIFIED TYPE
- ELECTRIC PEDESTAL
- LIGHT POLE
- POWER POLE W/GUY
- YARD LIGHT
- DECIDUOUS TREE
- CONIFEROUS TREE
- BUSH
- PLATTED LOT LINE
- EASEMENT LINE
- CENTERLINE
- RIGHT-OF-WAY LINE
- NATURAL GAS
- WATER LINE
- OVERHEAD LINE
- UNDERGROUND ELECTRIC
- SANITARY SEWER
- GRAVEL
- CONCRETE PAVEMENT
- NR 720 GROUNDWATER PATHWAY RCL EXCEEDANCE CONTOUR
- NR 720 NON-INDUSTRIAL DIRECT CONTACT RCL EXCEEDANCE CONTOUR



RESIDUAL SOIL CONTAMINATION
 FORMER EXPRESS CLEANERS
 RACINE, WISCONSIN



FIGURE
B.2.b

DRAFTED BY: ELS/HJW

DATE: 10/8/23

1690004905

L:\Loop Project Files\CAD\1690004905_M&Z Express Cleaners\2023-10\B.2.b_Residual Soil Contamination.dwg



ATTACHMENT A

GROUNDWATER LABORATORY ANALYTICAL REPORT



October 25, 2023

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

RE: Project: 1690004905-CONV EXPRESS CLEAN
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 Mieczko
steve.mieczko@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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CERTIFICATIONS

Project: 1690004905-CONV EXPRESS CLEANE

Pace Project No.: 40269898

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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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

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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

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SUMMARY OF DETECTION

Project: 1690004905-CONV EXPRESS CLEANE

Pace Project No.: 40269898

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40269898001	MW-7					
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	
40269898002	MW-12					
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
8260 MSV									
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	
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	
Bromoform	<0.43	ug/L	1.0	0.43	1		10/23/23 23:19	75-25-2	
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
8260 MSV									
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	
Surrogates									
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	

REPORT OF LABORATORY ANALYSIS

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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
8260 MSV									
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	
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	
Bromoform	<0.43	ug/L	1.0	0.43	1		10/23/23 23:39	75-25-2	
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
8260 MSV									
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	
1,1,1,2-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	
Surrogates									
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
8260 MSV									
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	
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	
Bromoform	<0.43	ug/L	1.0	0.43	1		10/23/23 23:59	75-25-2	
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
8260 MSV									
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	
1,1,1,2-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	
Surrogates									
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
8260 MSV		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	
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	
Bromoform	<0.43	ug/L	1.0	0.43	1		10/23/23 20:22	75-25-2	
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	

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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
8260 MSV									
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	
1,1,1,2-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	
Surrogates									
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
8260 MSV									
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	
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	
Bromoform	<0.43	ug/L	1.0	0.43	1		10/23/23 20:42	75-25-2	
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	

REPORT OF LABORATORY ANALYSIS

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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
8260 MSV		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	
1,1,1,2-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	
Surrogates									
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	

REPORT OF LABORATORY ANALYSIS

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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	

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REPORT OF LABORATORY ANALYSIS

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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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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 Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40269839015	Result	Spike Conc.	Spike Conc.								
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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QUALITY CONTROL DATA

Project: 1690004905-CONV EXPRESS CLEANE

Pace Project No.: 40269898

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2632486 2632487												
Parameter	Units	40269839015		MS	MSD	MS		MSD		% Rec Limits	Max RPD	Qual
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec			
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			

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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QUALIFIERS

Project: 1690004905-CONV EXPRESS CLEANE

Pace Project No.: 40269898

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 TARMAJAN**
 Phone:
 Project Number: **1690004905-conv**
 Project Name: **EXPRESS CLEANERS**
 Project State: **WISCONSIN**
 Sampled By (Print): **D GLASFORD**
 Sampled By (Sign): *[Signature]*
 PO #:

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

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

Matrix Codes
 A = Air W = Water
 B = Biota DW = Drinking Water
 C = Charcoal GW = Ground Water
 O = Oil SW = Surface Water
 S = Soil WW = Waste Water
 SI = Sludge WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
	MW-7	10-18-23	1308	GW
	MW-12		1345	
	MW-4		1425	
	EB-01		1445	
	TRIP BLANK			



UPPER MIDWEST REGION
 MN: 612-607-1700 WI: 920-469-2436

40209898

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

Y/N	Pick Letter	Analysis Requested
N	B	VOC

Quote #:
Mail To Contact:
Mail To Company:
Mail To Address:
Invoice To Contact:
Invoice To Company:
Invoice To Address:
Invoice To Phone:

CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
	001	
	002	
	003	
	004	
	005	

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

Relinquished By: <i>[Signature]</i>	Date/Time: 10-19-23 1300	Received By: <i>[Signature]</i>	Date/Time: 10-19-23 1300
Relinquished By: <i>[Signature]</i>	Date/Time: 10/20/23 855	Received By: <i>[Signature]</i>	Date/Time: 10/20/23 855
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:

PACE Project No.
 Receipt Temp = °C
 Sample Receipt pH
 OK / Adjusted
 Cooler Custody Seal
 Present / Not Present
 Intact / Not Intact

Effective Date: 8/16/2022

Client Name: Ramboll

Sample Preservation Receipt Form

Project # 40269898

All containers needing preservation have been checked and noted below.

Yes No

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

Initial when completed

Date/Time:

Lab Lot# of pH paper

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	BP1U	BP3U	BP3B	BP3N	BP3S	BP2Z	VG9C	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	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
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010																																		2.5 / 5
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016																																		2.5 / 5
017																																		2.5 / 5
018																																		2.5 / 5
019																																		2.5 / 5
020																																		2.5 / 5

Handwritten notes:
10/20/23
TJU

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	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	WGFU	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	

Sample Condition Upon Receipt Form (SCUR)

Project #:

Client Name: Ramboll

WO#: **40269898**



Courier: CS Logistics Fed Ex Speedee UPS Walco
 Client Pace Other: _____

Tracking #: 5092 4a32 3a91

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 - 129 Type of Ice: Wet Blue Dry None Meltwater Only

Cooler Temperature Uncorr: 1.0 /Corr: 1.0

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: 10/20/23 /Initials: TJW

Labeled By Initials: YH

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:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- DI VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	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:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
Correct Type: <u>Pace Green Bay, Pace IR, Non-Pace</u>		
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:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>W</u>		
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
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>S08</u>		<u>Trip blank added to COC by lab 10/20/23 TJW</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 log in