

Ms. Pamela Mylotta
Remediation and Redevelopment Program
Wisconsin Department of Natural Resources
2300 North Dr. Martin Luther King, Jr. Drive
Milwaukee, WI 53212

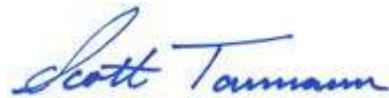
**NR 716.14 DATA TRANSMITTAL
FORMER EXPRESS CLEANERS
3921-3941 NORTH MAIN STREET, RACINE, WISCONSIN
BRRTS NO. 02-52-547631**

Dear Ms. Mylotta:

On behalf of the Ehrlich Family Limited Partnership, Ramboll US Corporation (Ramboll) is providing the Wisconsin Department of Natural Resources (WDNR) with the attached laboratory analytical results from the October 2019 groundwater sampling event conducted at the above referenced site. The purpose of this transmittal is to comply with the sample results notification requirements specified in Wisconsin Administrative Code NR 716.14(2). Tabulated results and a figure illustrating the sampling locations are also attached for your reference. In general, the groundwater results show continued reductive dechlorination at the site. A detailed discussion of the results will be provided to the WDNR in the annual groundwater monitoring report that will be prepared.

If you have any questions or require additional information, please feel free to contact me.

Yours sincerely,



Scott W. Tarmann, PE
Senior Managing Consultant

D 262 901 0093
starmann@ramboll.com

cc: William Scott, William P. Scott, Attorney at Law, Inc.

Attachments

Form 4400-249
Table 1 – Historical Groundwater Analytical Results
Table 2 – MNA Parameter Groundwater Sampling Results
Figure 1 – Site Layout
Laboratory Analytical Report (40197377)

January 28, 2020

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Ref. 1690004905

FORM 4400-249

Notice: This form may be used to comply with the requirements of s. NR 716.14 (2), Wis. Adm. Code; however, use of this form is not required. An alternate format may be used. The rule requires that notification be provided to 1) property owners when someone else is conducting the sampling, 2) to occupants of property belonging to the responsible person, and 3) to owners and occupants of property that does not belong to the responsible person but has been affected by contamination arising on his or her property. Notification is required within 10 business days of receiving the sample results. Personal information collected will be used for program administration and may be provided to requesters to the extent required by Wisconsin's Open Records law [ss. 19.31-19.39, Wis. Stats.].

NOTE: Under s. NR 716.14, Wis. Adm. Code, the responsible party must also submit sample results and other required information to the DNR. We recommend that copies of the sample results notifications be included with that submittal, along with all attachments. Using the same format used for data presentation for a closure request may be helpful to all parties. See s. NR 716.14, Wis. Adm. Code for the full list of information to be submitted to the DNR.

Notification of Property Owners and Occupants:

This notification form has been provided to you in order to provide the results of environmental sampling that has been conducted on property that you own or occupy. Samples were collected in accordance with the methods identified in the site investigation work plan, in accordance with s. NR. 716.09 and 716.13, Wis. Adm. Code. This sampling was conducted as a result of contamination originating at the following location.

Site Information

| | | | |
|------------------------------|--------|--------------------|----------|
| Site Name | | DNR ID # (BRRTS #) | |
| Former Express Cleaners Site | | 02-52-547631 | |
| Address | City | State | ZIP Code |
| 3921-3941 N Main Street | Racine | WI | 53402 |

Responsible Party

The person(s) responsible for completing this environmental investigation is:

Property Owner

Ehrlich Family Limited Partnership

| | | | |
|-----------------|--------|-------|----------|
| Address | City | State | ZIP Code |
| P.O. Box 081007 | Racine | WI | 53402 |

Contact Person

Mr. James Small, Trustee

| |
|----------------------------------|
| Phone Number (include area code) |
| (262) 898-9404 |

Person or company that collected samples

Ramboll US Corporation

Sample Results (Results Attached)

Reason for Sampling: Routine Other (define) _____

The contaminants that have been identified at this time on property that you own or occupy include:

| Contaminant | In Soil? | | In Groundwater? | |
|--------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| | Yes | No | Yes | No |
| Gasoline | <input type="radio"/> | <input checked="" type="radio"/> | <input type="radio"/> | <input checked="" type="radio"/> |
| Diesel or Fuel Oil | <input type="radio"/> | <input checked="" type="radio"/> | <input type="radio"/> | <input checked="" type="radio"/> |
| Solvents | <input checked="" type="radio"/> | <input type="radio"/> | <input checked="" type="radio"/> | <input type="radio"/> |
| Heavy Metals | <input type="radio"/> | <input checked="" type="radio"/> | <input type="radio"/> | <input checked="" type="radio"/> |
| Pesticides | <input type="radio"/> | <input checked="" type="radio"/> | <input type="radio"/> | <input checked="" type="radio"/> |
| Other: _____ | <input type="radio"/> | <input checked="" type="radio"/> | <input type="radio"/> | <input checked="" type="radio"/> |

| |
|--|
| This sampling event included sampling of a drinking water well. <input type="radio"/> Yes <input checked="" type="radio"/> No |
| If yes, the sampled drinking water well had detectable contaminants. <input type="radio"/> Yes <input type="radio"/> No |

Contaminants in Vapor

| | Contaminants in Vapor | |
|-------------------|-----------------------|----------------------------------|
| | Yes | No |
| Indoor Air | <input type="radio"/> | <input checked="" type="radio"/> |
| Sub-slab | <input type="radio"/> | <input checked="" type="radio"/> |
| Exterior Soil Gas | <input type="radio"/> | <input checked="" type="radio"/> |

Site Investigation Sample Results Notification

Form 4400-249 (R 03/14)

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Attached are:

- A map that shows the locations from which samples were collected. (The map needs to meet the requirements of s. NR 716.15 (4), Wis. Adm. Code.)
- A data table with specific contaminant levels at each sample location and whether or not the sample results exceed state standards.
- A copy of the laboratory results.

You are not identified as the person that is responsible for this contamination. However, your cooperation is important. Property owners may become legally responsible for contamination if they do not allow access to the person that is responsible so that person may complete the environmental investigation and clean up activities.

Option for written exemption: You have the option of requesting a written liability exemption from the DNR for contamination that originated on another property, or on property that you lease. To do this, you must present an adequate environmental assessment of your property and pay a \$700 fee for review of this information. If you are interested in this option, please see DNR publication # RR 589, "When Contamination Crosses a Property Line - Rights and Responsibilities of Property Owners", available at: dnr.wi.gov/files/PDF/pubs/rr/rr589.pdf.

Contact Information

Please address questions regarding this notification, or requests for additional information to the contact person listed above, or to one of the following contacts:

Environmental Consultant

| | | | | |
|--------------------------------|----------------------|--------------------------|------------|----------|
| Company Name | | Contact Person Last Name | First Name | |
| Ramboll US Corporation | | Tarmann | Scott | |
| Address | | City | State | ZIP Code |
| 175 N Corporate Dr., Suite 160 | | Brookfield | WI | 53045 |
| Phone # (inc. area code) | Email | | | |
| (262) 901-0093 | starmann@ramboll.com | | | |

Select which agency: Natural Resources Agriculture, Trade and Consumer Protection

State of Wisconsin Department of Natural Resources

| | | | |
|-------------------------------|------------|--------------------------|----------|
| Contact Person Last Name | First Name | Phone # (inc. area code) | |
| Mylotta | Pamela | (414) 263-8561 | |
| Address | City | State | ZIP Code |
| 2300 N Martin Luther King Dr. | Milwaukee | WI | 53212 |
| Email | | | |
| Pamela.Mylotta@wisconsin.gov | | | |

TABLES

Table 1. Historical Analytical Groundwater Results
Former Express Cleaners
3941 N Main Street, Racine, Wisconsin

| Parameters | | Chloroform | Chloromethane | 1,1-Dichloroethene | cis-1,2-Dichloroethene | trans-1,2-Dichloroethene | Methylene chloride | Tetrachloroethene | Trichloroethene | Vinyl chloride |
|----------------------------|------------|------------|---------------|--------------------|------------------------|--------------------------|--------------------|-------------------|-----------------|----------------|
| CAS | | 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 | | 6 | 30 | 7 | 70 | 100 | 5 | 5 | 5 | 0.2 |
| NR 140 PAL Standard | | 0.6 | 3 | 0.7 | 7 | 20 | 0.5 | 0.5 | 0.5 | 0.02 |
| MW-1 | 4/27/2007 | <4.8 | #N/A | #N/A | 13.6 J | <9.5 | #N/A | 330 | <4.4 | <2 |
| | 1/15/2008 | <4.8 | #N/A | #N/A | 13.9 J | <9.5 | #N/A | 179 | <4.4 | <2 |
| | 4/7/2011 | <0.49 | <1.9 | <0.6 | 15.3 | <0.79 | <1.1 | 173 | 4.9 | <0.18 |
| | 9/15/2016 | <5.0 | <1.0 | <0.82 | 96.5 | 5.1 | <0.47 | 193 | 15.5 | <0.35 |
| | 4/20/2017 | <5.0 | <1.0 | <0.82 | 39.4 | 3 | <0.47 | 98.6 | 384 | <0.35 |
| | 10/18/2017 | <125 | <25.0 | <20.5 | 5670 | 47.7 J | <11.6 | 86.0 | 138 | <8.8 |
| | 4/25/2018 | <5.0 | <1.0 | 8.2 | 9730 | 147 | <0.47 | 192 | 42.2 | 127 |
| | 10/24/2018 | <2.5 | <4.4 | 12.7 | 28700 | 594 J | <1.2 | 9.2 | 16.8 | 3770 |
| | 4/11/2019 | <63.7 | <109 | <12.2 | 4120 | 124 J | <29.0 | 185 | 83.4 | 174 |
| | 10/14/2019 | <63.7 | <109 | <12.2 | 3150 | 73.9 J | <29.0 | 58.1 | 55.5 | 367 |
| MW-1 DUP | 10/18/2017 | <125 | <25.0 | <20.5 | 5550 | 38.1 J | <11.6 | 96.7 | 166 | <8.8 |
| | 4/25/2018 | <5.0 | 1.9 J | 7.0 | 8990 | 147 | <0.47 | 283 | 55.9 | 108 |
| MW-2 ⁽¹⁾ | 4/27/2007 | <4.8 | #N/A | #N/A | <6.8 | <9.5 | #N/A | 370 | 16.2 | <2 |
| | 1/15/2008 | <4.8 | #N/A | #N/A | 21.1 J | <9.5 | #N/A | 223 | 14.7 | <2 |
| | 4/7/2011 | <0.49 | <1.9 | <0.6 | 22.7 | 0.86 J | <1.1 | 94 | 9 | <0.18 |
| | 9/14/2016 | <2.5 | 0.52 J | <0.41 | 29.7 | 1.6 | <0.23 | 47.1 | 14 | <0.18 |
| MW-3 ⁽¹⁾ | 4/27/2007 | <24 | #N/A | #N/A | 1100 | <47.5 | #N/A | 2520 | 279 | <10 |
| | 1/15/2008 | <24 | #N/A | #N/A | 1090 | <47.5 | #N/A | 2410 | 284 | <10 |
| | 4/7/2011 | <24.5 | <95 | <30 | 600 | <39.5 | <55 | 770 | 82 | <9 |
| | 9/15/2016 | <25.0 | <5.0 | <4.1 | 175 | 9.4 J | <2.3 | 437 | 34.5 | <1.8 |
| MW-3R ⁽¹⁾ | 4/20/2017 | <50.0 | <10.0 | <8.2 | 1620 | <5.1 | 4.9 J | <10.0 | 23.3 | 11.1 J |
| | 10/18/2017 | <125 | <25.0 | <20.5 | 6060 | 20.6 J | <11.6 | <25.0 | <16.5 | 49.9 J |
| | 4/25/2018 | <125 | <25.0 | <20.5 | 3850 | <12.8 | <11.6 | <25.0 | <16.5 | 48.5 J |
| | 10/24/2018 | <63.7 | <109 | <12.2 | 3290 | <54.5 | <29.0 | <16.3 | <12.8 | 24.6 J |
| | 4/11/2019 | <63.7 | <109 | <12.2 | 2340 | <54.5 | <29.0 | <16.3 | <12.8 | 26.5 J |
| | 10/15/2019 | <51.0 | <87.6 | <9.8 | 1650 | <43.6 | <23.2 | <13.1 | <10.2 | 15.4 J |
| MW-4 | 4/27/2007 | <0.48 | #N/A | #N/A | <0.68 | <0.95 | #N/A | <0.52 | <0.44 | <0.2 |
| | 1/15/2008 | <0.48 | #N/A | #N/A | <0.68 | <0.95 | #N/A | <0.52 | <0.44 | <0.2 |
| | 4/7/2011 | <0.49 | <1.9 | <0.6 | <0.74 | <0.79 | <1.1 | <0.44 | <0.47 | <0.18 |
| | 9/14/2016 | <2.5 | <0.50 | <0.41 | <0.26 | <0.26 | <0.23 | <0.50 | <0.33 | <0.18 |
| MW-5 | 1/15/2008 | <0.48 | #N/A | #N/A | <0.68 | <0.95 | #N/A | <0.52 | <0.44 | <0.2 |
| | 4/7/2011 | <0.49 | <1.9 | <0.6 | <0.74 | <0.79 | <1.1 | <0.44 | <0.47 | <0.18 |
| | 9/15/2016 | <2.5 | <0.50 | <0.41 | <0.26 | <0.26 | <0.23 | <0.50 | <0.33 | <0.18 |
| MW-6 | 1/15/2008 | <0.48 | #N/A | #N/A | <0.68 | <0.95 | #N/A | 2.42 | 1.67 | <0.2 |
| | 4/7/2011 | <0.49 | <1.9 | <0.6 | 19.1 | <0.79 | <1.1 | 6.5 | 3.02 | <0.18 |
| | 9/15/2016 | <2.5 | <0.50 | <0.41 | 4.5 | 0.53 J | <0.23 | 7.8 | 2.9 | <0.18 |
| | 4/19/2017 | <2.5 | <0.50 | <0.41 | 2.2 | <0.26 | <0.23 | 14.9 | 2.7 | <0.18 |
| | 10/17/2017 | <2.5 | <0.50 | <0.41 | 3.3 | 0.73 J | <0.23 | 9.3 | 2.9 | <0.18 |
| | 4/24/2018 | <2.5 | <0.50 | <0.41 | 1.3 | <0.26 | <0.23 | 8.1 | 2.6 | <0.18 |
| | 10/23/2018 | <1.3 | <2.2 | <0.24 | 9.2 | <1.1 | <0.58 | 15.4 | 3.8 | <0.17 |
| | 4/10/2019 | <1.3 | <2.2 | <0.24 | 12.3 | <1.1 | <0.58 | 14.4 | 4.2 | 0.22 J |
| 10/14/2019 | <1.3 | <2.2 | <0.24 | 18.5 | <1.1 | <0.58 | 13.1 | 4.8 | <0.17 | |
| MW-7 | 1/15/2008 | <0.48 | #N/A | #N/A | <0.68 | <0.95 | #N/A | <0.52 | <0.44 | <0.2 |
| | 4/7/2011 | <0.49 | <1.9 | <0.6 | <0.74 | <0.79 | <1.1 | <0.44 | <0.47 | <0.18 |
| | 9/15/2016 | <2.5 | 1 | <0.41 | <0.26 | <0.26 | <0.23 | <0.50 | <0.33 | <0.18 |
| MW-8 | 1/15/2008 | 0.55 J | #N/A | #N/A | 220 | 8.6 | #N/A | 826 | 36 | <0.2 |
| | 4/7/2011 | <24.5 | <95 | <30 | 99 J | <39.5 | <55 | 810 | <23.5 | <9 |
| | 9/15/2016 | <25.0 | <5.0 | <4.1 | 71.4 | 4.9 J | <2.3 | 920 | 39.9 | <1.8 |
| | 4/20/2017 | <6.2 | <1.2 | <1.0 | 173 | 10 | 0.69 J | 49 | 371 | 0.69 J |
| | 10/18/2017 | <25.0 | <5.0 | <4.1 | 866 | 16.8 | <2.3 | <5.0 | <3.3 | <1.8 |
| | 4/25/2018 | <25.0 | <5.0 | <4.1 | 761 | 15.3 | <2.3 | <5.0 | <3.3 | 2.3 J |
| | 10/24/2018 | <12.7 | <21.9 | <2.4 | 1300 | 25.4 J | <5.8 | <3.3 | <2.6 | 4.4 J |
| | 4/11/2019 | <12.7 | <21.9 | <2.4 | 1040 | 21.5 J | <5.8 | <3.3 | <2.6 | 3.8 J |
| 10/15/2019 | <2.5 | <4.4 | <0.49 | 228 | 15.1 | <1.2 | <0.65 | <0.51 | 2.7 | |
| MW-9 | 1/15/2008 | <0.48 | #N/A | #N/A | <0.68 | <0.95 | #N/A | <0.52 | <0.44 | <0.2 |
| | 4/7/2011 | <0.49 | <1.9 | <0.6 | <0.74 | <0.79 | <1.1 | 1.52 | <0.47 | <0.18 |
| | 9/14/2016 | <2.5 | <0.50 | <0.41 | <0.26 | <0.26 | <0.23 | 0.88 J | <0.33 | <0.18 |
| | 4/20/2017 | <2.5 | <0.50 | <0.41 | <0.26 | <0.26 | <0.23 | 4.9 | <0.33 | <0.18 |
| | 10/17/2017 | <2.5 | <0.50 | <0.41 | <0.26 | <0.26 | <0.23 | 4.2 | <0.33 | <0.18 |
| | 4/24/2018 | <2.5 | <0.50 | <0.41 | 32.4 | <0.26 | <0.23 | 2.6 | <0.33 | <0.18 |
| | 10/23/2018 | <1.3 | <2.2 | <0.24 | 387 | 3.7 | <0.58 | 5.7 | 0.49 J | <0.17 |
| | 4/10/2019 | <1.3 | <2.2 | <0.24 | 53.7 | <1.1 | <0.58 | 2.6 | 0.59 J | 1.3 |
| 10/14/2019 | <12.7 | <21.9 | <2.4 | 612 | 12.2 J | <5.8 | 10.9 | 10.9 | 9.0 J | |
| MW-9 DUP | 4/20/2017 | <2.5 | <0.50 | <0.41 | <0.26 | <0.26 | <0.23 | 5.4 | <0.33 | <0.18 |
| | 10/17/2017 | <2.5 | <0.50 | <0.41 | <0.26 | <0.26 | <0.23 | 5.2 | <0.33 | <0.18 |
| | 4/24/2018 | <2.5 | <0.50 | <0.41 | 36.0 | <0.26 | <0.23 | 2.8 | <0.33 | <0.18 |
| | 4/10/2019 | <1.3 | <2.2 | <0.24 | 52.1 | <1.1 | <0.58 | 2.8 | 0.64 J | 1.2 |
| | 10/14/2019 | <1.3 | <2.2 | <0.24 | 629 | 11.3 | <0.58 | 10.9 | 11.5 | 9.9 |

Table 1. Historical Analytical Groundwater Results

Former Express Cleaners
3941 N Main Street, Racine, Wisconsin

| Parameters | | Chloroform | Chloromethane | 1,1-Dichloroethene | cis-1,2-Dichloroethene | trans-1,2-Dichloroethene | Methylene chloride | Tetrachloroethene | Trichloroethene | Vinyl chloride |
|---------------------|------------|------------|---------------|--------------------|------------------------|--------------------------|--------------------|-------------------|-----------------|----------------|
| CAS | | 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 | | 6 | 30 | 7 | 70 | 100 | 5 | 5 | 5 | 0.2 |
| NR 140 PAL Standard | | 0.6 | 3 | 0.7 | 7 | 20 | 0.5 | 0.5 | 0.5 | 0.02 |
| MW-10 | 1/15/2008 | <0.48 | #N/A | #N/A | <0.68 | <0.95 | #N/A | <0.52 | <0.44 | <0.2 |
| | 4/7/2011 | <0.49 | <1.9 | <0.6 | <0.74 | <0.79 | <1.1 | <0.44 | <0.47 | <0.18 |
| | 9/15/2016 | <2.5 | 0.79 J | <0.41 | <0.26 | <0.26 | <0.23 | <0.50 | <0.33 | <0.18 |
| MW-11 | 5/19/2009 | <1.48 | <0.5 | <0.47 | <0.68 | <0.61 | <1.5 | <0.42 | <0.39 | <0.2 |
| | 4/7/2011 | <0.49 | <1.9 | <0.6 | <0.74 | <0.79 | <1.1 | <0.44 | <0.47 | <0.18 |
| | 9/15/2016 | <2.5 | 0.57 J | <0.41 | <0.26 | <0.26 | <0.23 | <0.50 | <0.33 | <0.18 |
| MW-12 | 5/19/2009 | <1.48 | <0.5 | <0.47 | 7.3 | <0.61 | <1.5 | 22.6 | 0.62 J | <0.2 |
| | 4/7/2011 | <0.49 | <1.9 | <0.6 | 1.91 J | <0.79 | <1.1 | 5.4 | <0.47 | <0.18 |
| | 9/15/2016 | <2.5 | 0.58 J | <0.41 | 92.8 | 5 | <0.23 | 25.7 | 2.5 | <0.18 |
| | 4/19/2017 | <2.5 | <0.50 | <0.41 | 41.5 | 2.1 | <0.23 | 36 | 2.6 | <0.18 |
| | 10/17/2017 | <2.5 | <0.50 | <0.41 | 76.2 | 3.2 | <0.23 | 69.5 | 7.6 | <0.18 |
| | 4/24/2018 | <2.5 | <0.50 | <0.41 | 31.2 | 1.1 | <0.23 | 20.2 | 3.0 | <0.18 |
| | 10/23/2018 | <1.3 | <2.2 | <0.24 | 34.2 | 1.6 J | <0.58 | 31.0 | 4.0 | <0.17 |
| | 4/10/2019 | <1.3 | <2.2 | <0.24 | <0.27 | <1.1 | <0.58 | <0.33 | <0.26 | <0.17 |
| 10/14/2019 | <1.3 | <2.2 | <0.24 | 25.9 | <1.1 | <0.58 | 24.1 | 2.5 | <0.17 | |
| MW-13 | 5/19/2009 | <1.48 | <0.5 | <0.47 | <0.68 | <0.61 | <1.5 | <0.42 | <0.39 | <0.2 |
| | 4/7/2011 | <0.49 | <1.9 | <0.6 | <0.74 | <0.79 | <1.1 | <0.44 | <0.47 | <0.18 |
| | 9/15/2016 | <2.5 | 0.77 J | <0.41 | 4.7 | 0.56 J | <0.23 | <0.50 | <0.33 | <0.18 |
| | 4/19/2017 | <2.5 | <0.50 | <0.41 | <0.26 | <0.26 | <0.23 | 0.53 J | <0.33 | <0.18 |
| | 10/17/2017 | <2.5 | <0.50 | <0.41 | 4.2 | 0.52 J | <0.23 | <0.50 | <0.33 | <0.18 |
| | 4/24/2018 | <2.5 | <0.50 | <0.41 | 1.1 | <0.26 | <0.23 | <0.50 | <0.33 | <0.18 |
| | 10/23/2018 | <1.3 | <2.2 | <0.24 | 2.9 | <1.1 | <0.58 | 0.39 J | <0.26 | <0.17 |
| | 4/10/2019 | <1.3 | <2.2 | <0.24 | 6.7 | <1.1 | <0.58 | <0.33 | <0.26 | <0.17 |
| 10/14/2019 | <1.3 | <2.2 | <0.24 | 11.0 | <1.1 | <0.58 | 0.34 J | <0.26 | <0.17 | |
| MW-14 | 4/7/2011 | <0.49 | <1.9 | <0.6 | <0.74 | <0.79 | <1.1 | <0.44 | <0.47 | <0.18 |
| | 9/14/2016 | <2.5 | <0.50 | <0.41 | <0.26 | <0.26 | <0.23 | <0.50 | <0.33 | <0.18 |
| MW-15 | 4/7/2011 | <0.49 | <1.9 | <0.6 | <0.74 | <0.79 | <1.1 | <0.44 | <0.47 | <0.18 |
| | 9/14/2016 | <2.5 | <0.50 | <0.41 | <0.26 | <0.26 | <0.23 | <0.50 | <0.33 | <0.18 |
| | 4/19/2017 | <2.5 | <0.50 | <0.41 | <0.26 | <0.26 | <0.23 | <0.50 | <0.33 | <0.18 |
| | 10/17/2017 | <2.5 | <0.50 | <0.41 | <0.26 | <0.26 | <0.23 | <0.50 | <0.33 | <0.18 |
| | 4/24/2018 | <2.5 | <0.50 | <0.41 | <0.26 | <0.26 | <0.23 | <0.50 | <0.33 | <0.18 |
| | 10/24/2018 | <1.3 | <2.2 | <0.24 | <0.27 | <1.1 | <0.58 | <0.33 | <0.26 | <0.17 |
| | 4/10/2019 | <1.3 | <2.2 | <0.24 | <0.27 | <1.1 | <0.58 | <0.33 | <0.26 | <0.17 |
| 10/14/2019 | <1.3 | <2.2 | <0.24 | <0.27 | <1.1 | <0.58 | <0.33 | <0.26 | <0.17 | |
| MW-16 | 4/20/2017 | <2.5 | <0.50 | <0.41 | <0.26 | <0.26 | <0.23 | <0.50 | <0.33 | <0.18 |
| | 10/18/2017 | <2.5 | <0.50 | <0.41 | <0.26 | <0.26 | <0.23 | <0.50 | <0.33 | <0.18 |
| | 4/25/2018 | <2.5 | 1.1 | <0.41 | <0.26 | <0.26 | <0.23 | <0.50 | <0.33 | <0.18 |
| | 10/24/2018 | <1.3 | <2.2 | <0.24 | <0.27 | <1.1 | <0.58 | <0.33 | <0.26 | <0.17 |
| | 4/10/2019 | <1.3 | <2.2 | <0.24 | <0.27 | <1.1 | <0.58 | <0.33 | <0.26 | <0.17 |
| | 10/14/2019 | <1.3 | <2.2 | <0.24 | <0.27 | <1.1 | <0.58 | <0.33 | <0.26 | <0.17 |
| PZ-1 | 4/27/2007 | <4.8 | #N/A | #N/A | <0.68 | <9.5 | #N/A | <0.52 | <0.44 | <2 |
| | 1/15/2008 | <0.48 | #N/A | #N/A | <0.68 | <0.95 | #N/A | 1.16 J | <0.44 | <0.2 |
| | 4/7/2011 | <0.49 | <1.9 | <0.6 | <0.74 | <0.79 | <1.1 | 2.34 | <0.47 | <0.18 |
| | 9/15/2016 | <2.5 | <0.50 | <0.41 | <0.26 | <0.26 | <0.23 | 5.7 | <0.33 | <0.18 |
| | 10/18/2017 | <2.5 | <0.50 | <0.41 | <0.26 | <0.26 | <0.23 | 0.76 J | <0.33 | <0.18 |
| | 4/25/2018 | <2.5 | 1.9 | <0.41 | <0.26 | <0.26 | <0.23 | 0.57 J | <0.33 | <0.18 |
| | 10/23/2018 | <1.3 | <2.2 | <0.24 | 1.2 | <1.1 | <0.58 | 0.93 J | <0.26 | <0.17 |
| | 4/11/2019 | <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 | <2.2 | <0.24 | 4.2 | <1.1 | <0.58 | 0.90 J | 0.28 J | <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.

Analytical results are displayed for detected parameters only.

The most recent groundwater sampling event was conducted on October 14 and 15, 2019.

Table 2. MNA Parameter Groundwater Sampling Results

Former Express Cleaners
3941 N Main Street, Racine, Wisconsin

| Parameters ^[1] | Analytical Method | Units | MW-8 | MW-8 | MW-8 | MW-8 | MW-8 | MW-8 | MW-8 |
|---------------------------|--------------------|-------|-----------|-----------|------------|-----------|------------|-----------|------------|
| | | | 9/15/2016 | 4/20/2017 | 10/18/2017 | 4/25/2018 | 10/24/2018 | 4/11/2019 | 10/15/2019 |
| Sulfate | EPA 300.0 | mg/L | 169 | 10.5 | <5.0 | <5.0 | <5.0 | <1.0 | 53.7 |
| Nitrogen, NO2 plus NO3 | EPA 353.2 | mg/L | 7.6 | <0.095 | <0.095 | <0.095 | <0.095 | <0.095 | <0.095 |
| Total Organic Carbon | SM 5310C | mg/L | 2.1 | 259 | 678 | 361 | 35.1 | 9.8 | 4.2 |
| Iron, Ferrous (Dissolved) | SM 3500-Fe | ug/L | <28 | <140 | 15,400 | 13,600 | 10,200 | 12,100 | 3,300 |
| Iron, Ferric | SM 3500-Fe (Calc.) | ug/L | 80 J | 3,680 | 2,600 | 600 | 719 | <50.0 | 2,900 |
| Ethene | EPA 8015B Modified | ug/L | <0.52 | 11.2 | 12.7 | 3.1 J | 16.3 | 8.7 | 5.8 |
| Ethane | EPA 8015B Modified | ug/L | <0.58 | 2.7 J | 5.2 J | <11.5 | 16.5 | 13.5 | 10.6 |
| Methane | EPA 8015B Modified | ug/L | <1.4 | 23.2 | 8,700 | 3160 | 15,300 | 5,790 | 6,080 |

| Parameters ^[1] | Analytical Method | Units | MW-3 ^[2] | MW-3R ^[2] | MW-3R ^[2] | MW-3R ^[2] | MW-3R ^[2] | MW-3R ^[2] | MW-3R ^[2] |
|---------------------------|--------------------|-------|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| | | | 9/15/2016 | 4/20/2017 | 10/18/2017 | 4/25/2018 | 10/24/2018 | 4/11/2019 | 10/15/2019 |
| Sulfate | EPA 300.0 | mg/L | 144 | 36.6 | <1.0 | <5.0 | <5.0 | <1.0 | <10.0 |
| Nitrogen, NO2 plus NO3 | EPA 353.2 | mg/L | 0.2 J | <0.095 | <0.095 | <0.095 | <0.095 | <0.095 | <0.095 |
| Total Organic Carbon | SM 5310C | mg/L | 1.3 | 495 | 517 | 910 | 252 | 536 | 382 |
| Iron, Ferrous (Dissolved) | SM 3500-Fe | ug/L | <28 | <140 | 3,100 | 2,600 | 11,100 | 4,080 | 4,200 |
| Iron, Ferric | SM 3500-Fe (Calc.) | ug/L | 115 | 1,790 | 2,200 | 760 | <15 | 2,320 | NC |
| Ethene | EPA 8015B Modified | ug/L | <0.52 | 242 | 196 | 158 | 76.9 | 64.9 | 40.8 |
| Ethane | EPA 8015B Modified | ug/L | <0.58 | 160 | 89 | 81.5 | 43.0 | 37.9 | 22.8 |
| Methane | EPA 8015B Modified | ug/L | <1.4 | 172 | 5,810 | 5660 | 9,600 | 6,940 | 5,780 |

Notes:

^[1] NR 140 Table 2. Public Welfare Standards exist for sulfate (Enforcement Standard = 250 mg/L; Preventative Action Limit = 125 mg/L) and iron (Enforcement Standard = 0.3 mg/L; Preventative Action Limit = 0.15 mg/L).

^[2] MW3 was abandoned prior to treatment, and MW-3R was installed in March 2017.

ug/L = micrograms per liter

mg/L = milligrams per liter

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

NC = Not calculated

The most recent groundwater sampling event was conducted on October 14 and 15, 2019.

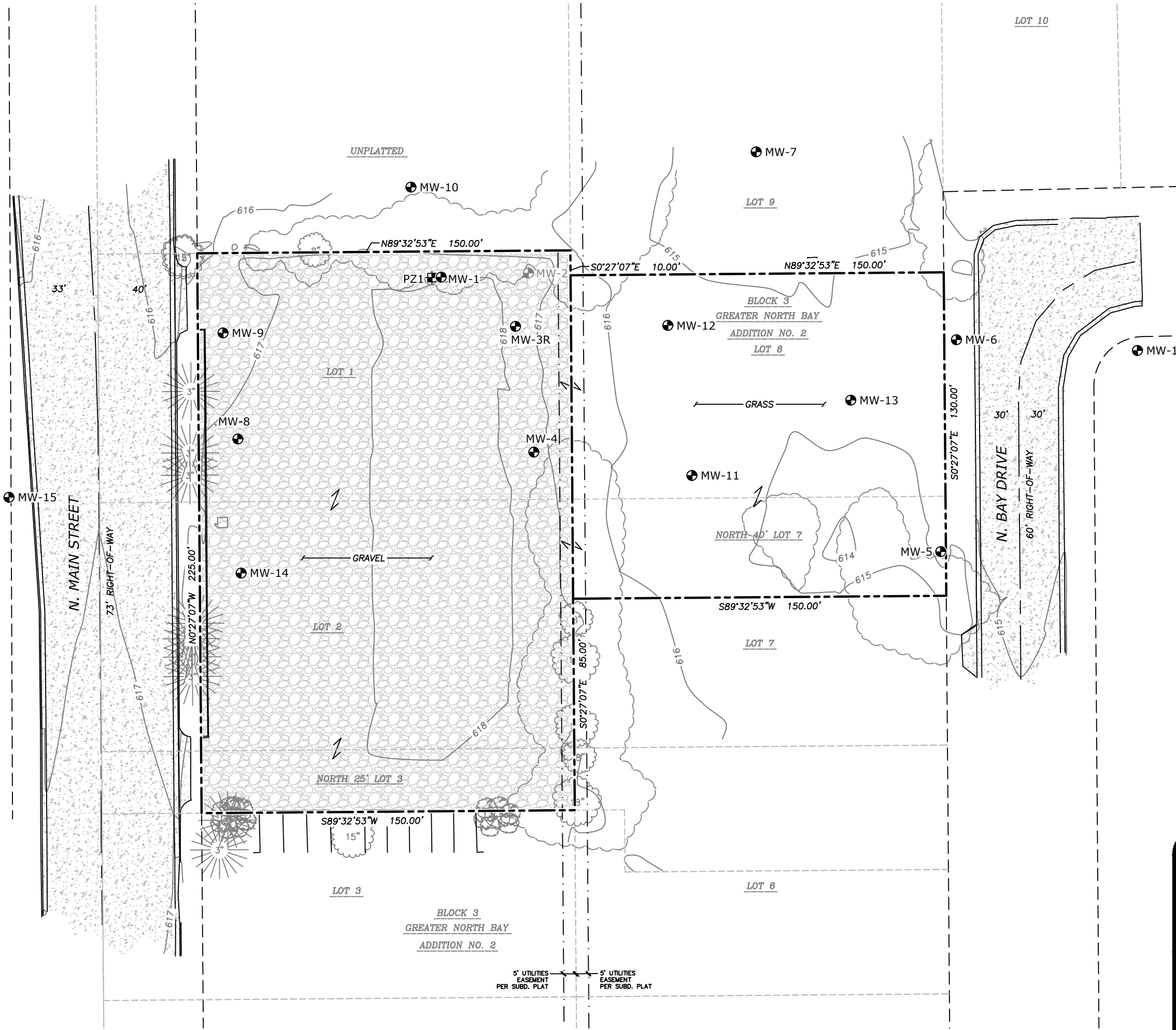
Monitored natural attenuation results for sulfate, nitrogen, and ferrous iron can be used to indicate the presence of reducing, anaerobic conditions that support enhanced anaerobic dechlorination of the contaminants of concern. In comparison to baseline, decreases in sulfate and nitrogen and increases in ferrous iron support the presence of anaerobic conditions.

The detection of ethene indicates that the complete reduction of tetrachloroethene (PCE) and trichloroethene (TCE) is occurring.

Total organic carbon is a measure of substrate distribution for ongoing reductive dechlorination.

FIGURE

L:\Loop Project Files\CAD\1690004905_M&Z Express Cleaners\Results Notification\01_Monitoring Wells_v3.dwg



- LEGEND**
- PROPERTY BOUNDARY
 - EXISTING MONITORING WELL
 - ABANDONED MONITORING WELL
 - PIEZOMETER
 - DECIDUOUS TREE
 - CONIFEROUS TREE
 - BUSH
 - PLATTED LOT LINE
 - EASEMENT LINE
 - CENTERLINE
 - RIGHT-OF-WAY LINE
 - GRAVEL
 - CONCRETE PAVEMENT

LEGAL DESCRIPTION
 ALL OF LOTS 1 AND 2, THE NORTH 25 FEET OF LOT 3, THE NORTH 40 FEET OF LOT 7, AND ALL OF LOT 8, GREATER NORTH BAY ADDITION NO. 2.
 TAX KEY NOS: 276-00-00-04-690-001 AND 276-00-00-04-690-024.



MONITORING WELLS
 FORMER EXPRESS CLEANERS
 RACINE, WISCONSIN




FIGURE
1

DRAFTED BY: APR
DATE: 5/31/18
1690004905

ATTACHMENT A
LABORATORY ANALYTICAL REPORT

November 08, 2019

Staci Goetz
Ramboll

RE: Project: 1690004905 EXPRESS CLEANER(FMR
Pace Project No.: 40197377

Dear Staci Goetz:

Enclosed are the analytical results for sample(s) received by the laboratory on October 16, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Steven Mleczo
steve.mleczo@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: David L. Markelz, Ramboll Environ
Erin Veder, Ramboll



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 1690004905 EXPRESS CLEANER(FMR)

Pace Project No.: 40197377

Minnesota Certification IDs

1700 Elm Street SE, Minneapolis, MN 55414-2485

A2LA Certification #: 2926.01

Alabama Certification #: 40770

Alaska Contaminated Sites Certification #: 17-009

Alaska DW Certification #: MN00064

Arizona Certification #: AZ0014

Arkansas DW Certification #: MN00064

Arkansas WW Certification #: 88-0680

California Certification #: 2929

CNMI Saipan Certification #: MP0003

Colorado Certification #: MN00064

Connecticut Certification #: PH-0256

EPA Region 8+Wyoming DW Certification #: via MN 027-053-137

Florida Certification #: E87605

Georgia Certification #: 959

Guam EPA Certification #: MN00064

Hawaii Certification #: MN00064

Idaho Certification #: MN00064

Illinois Certification #: 200011

Indiana Certification #: C-MN-01

Iowa Certification #: 368

Kansas Certification #: E-10167

Kentucky DW Certification #: 90062

Kentucky WW Certification #: 90062

Louisiana DEQ Certification #: 03086

Louisiana DW Certification #: MN00064

Maine Certification #: MN00064

Maryland Certification #: 322

Massachusetts Certification #: M-MN064

Michigan Certification #: 9909

Minnesota Certification #: 027-053-137

Minnesota Dept of Ag Certification #: via MN 027-053-137

Minnesota Petrofund Certification #: 1240

Mississippi Certification #: MN00064

Missouri Certification #: 10100

Montana Certification #: CERT0092

Nebraska Certification #: NE-OS-18-06

Nevada Certification #: MN00064

New Hampshire Certification #: 2081

New Jersey Certification #: MN002

New York Certification #: 11647

North Carolina DW Certification #: 27700

North Carolina WW Certification #: 530

North Dakota Certification #: R-036

Ohio DW Certification #: 41244

Ohio VAP Certification #: CL101

Oklahoma Certification #: 9507

Oregon Primary Certification #: MN300001

Oregon Secondary Certification #: MN200001

Pennsylvania Certification #: 68-00563

Puerto Rico Certification #: MN00064

South Carolina Certification #:74003001

Tennessee Certification #: TN02818

Texas Certification #: T104704192

Utah Certification #: MN00064

Vermont Certification #: VT-027053137

Virginia Certification #: 460163

Washington Certification #: C486

West Virginia DEP Certification #: 382

West Virginia DW Certification #: 9952 C

Wisconsin Certification #: 999407970

Wyoming UST Certification #: via A2LA 2926.01

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 1690004905 EXPRESS CLEANER(FMR)
Pace Project No.: 40197377

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|-------------|------------|--------|----------------|----------------|
| 40197377001 | MW-15 | Water | 10/14/19 10:35 | 10/16/19 09:05 |
| 40197377002 | MW-6 | Water | 10/14/19 11:25 | 10/16/19 09:05 |
| 40197377003 | MW-16 | Water | 10/14/19 12:05 | 10/16/19 09:05 |
| 40197377004 | MW-13 | Water | 10/14/19 12:50 | 10/16/19 09:05 |
| 40197377005 | MW-12 | Water | 10/14/19 13:35 | 10/16/19 09:05 |
| 40197377006 | MW-9 | Water | 10/14/19 14:45 | 10/16/19 09:05 |
| 40197377007 | MW-9 DUP | Water | 10/14/19 14:45 | 10/16/19 09:05 |
| 40197377008 | MW-1 | Water | 10/14/19 15:15 | 10/16/19 09:05 |
| 40197377009 | PZ-1 | Water | 10/15/19 08:45 | 10/16/19 09:05 |
| 40197377010 | MW-3R | Water | 10/15/19 09:30 | 10/16/19 09:05 |
| 40197377011 | MW-8 | Water | 10/15/19 10:30 | 10/16/19 09:05 |
| 40197377012 | TRIP BLANK | Water | 10/15/19 00:00 | 10/16/19 09:05 |

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 1690004905 EXPRESS CLEANER(FMR)

Pace Project No.: 40197377

| Lab ID | Sample ID | Method | Analysts | Analytes Reported | Laboratory |
|-------------|------------|--------------------|----------|-------------------|------------|
| 40197377001 | MW-15 | EPA 8260 | HNW | 65 | PASI-G |
| 40197377002 | MW-6 | EPA 8260 | HNW | 65 | PASI-G |
| 40197377003 | MW-16 | EPA 8260 | HNW | 65 | PASI-G |
| 40197377004 | MW-13 | EPA 8260 | HNW | 65 | PASI-G |
| 40197377005 | MW-12 | EPA 8260 | HNW | 65 | PASI-G |
| 40197377006 | MW-9 | EPA 8260 | HNW | 65 | PASI-G |
| 40197377007 | MW-9 DUP | EPA 8260 | HNW | 65 | PASI-G |
| 40197377008 | MW-1 | EPA 8260 | HNW | 65 | PASI-G |
| 40197377009 | PZ-1 | EPA 8260 | HNW | 65 | PASI-G |
| 40197377010 | MW-3R | EPA 8015B Modified | ALD | 3 | PASI-G |
| | | EPA 6020 | DS1 | 1 | PASI-G |
| | | EPA 8260 | HNW | 65 | PASI-G |
| | | EPA 300.0 | HMB | 1 | PASI-G |
| | | SM 3500-Fe B | DCL | 1 | PASI-M |
| | | EPA 353.2 | DAW | 1 | PASI-G |
| | | SM 5310C | TJJ | 1 | PASI-G |
| 40197377011 | MW-8 | EPA 8015B Modified | ALD | 3 | PASI-G |
| | | EPA 6020 | DS1 | 1 | PASI-G |
| | | EPA 8260 | HNW | 65 | PASI-G |
| | | HACH 8146 | CCR | 1 | PASI-G |
| | | EPA 300.0 | HMB | 1 | PASI-G |
| | | SM 3500-Fe B | DCL | 1 | PASI-M |
| | | EPA 353.2 | DAW | 1 | PASI-G |
| | | SM 5310C | TJJ | 1 | PASI-G |
| 40197377012 | TRIP BLANK | EPA 8260 | HNW | 65 | PASI-G |

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 1690004905 EXPRESS CLEANER(FMR)

Pace Project No.: 40197377

| Lab Sample ID Method | Client Sample ID Parameters | Result | Units | Report Limit | Analyzed | Qualifiers |
|-------------------------|--------------------------------|--------|-------|--------------|----------------|------------|
| 40197377002 | MW-6 | | | | | |
| EPA 8260 | cis-1,2-Dichloroethene | 18.5 | ug/L | 1.0 | 10/18/19 21:51 | |
| EPA 8260 | Tetrachloroethene | 13.1 | ug/L | 1.1 | 10/18/19 21:51 | |
| EPA 8260 | Trichloroethene | 4.8 | ug/L | 1.0 | 10/18/19 21:51 | |
| 40197377004 | MW-13 | | | | | |
| EPA 8260 | cis-1,2-Dichloroethene | 11.0 | ug/L | 1.0 | 10/18/19 10:25 | |
| EPA 8260 | Tetrachloroethene | 0.34J | ug/L | 1.1 | 10/18/19 10:25 | |
| 40197377005 | MW-12 | | | | | |
| EPA 8260 | cis-1,2-Dichloroethene | 25.9 | ug/L | 1.0 | 10/18/19 11:32 | |
| EPA 8260 | Tetrachloroethene | 24.1 | ug/L | 1.1 | 10/18/19 11:32 | |
| EPA 8260 | Trichloroethene | 2.5 | ug/L | 1.0 | 10/18/19 11:32 | |
| 40197377006 | MW-9 | | | | | |
| EPA 8260 | cis-1,2-Dichloroethene | 612 | ug/L | 10.0 | 10/18/19 11:55 | |
| EPA 8260 | trans-1,2-Dichloroethene | 12.2J | ug/L | 36.4 | 10/18/19 11:55 | |
| EPA 8260 | Tetrachloroethene | 10.9 | ug/L | 10.9 | 10/18/19 11:55 | |
| EPA 8260 | Trichloroethene | 10.9 | ug/L | 10.0 | 10/18/19 11:55 | |
| EPA 8260 | Vinyl chloride | 9.0J | ug/L | 10.0 | 10/18/19 11:55 | |
| 40197377007 | MW-9 DUP | | | | | |
| EPA 8260 | cis-1,2-Dichloroethene | 629 | ug/L | 10.0 | 10/18/19 12:17 | |
| EPA 8260 | trans-1,2-Dichloroethene | 11.3 | ug/L | 3.6 | 10/18/19 10:47 | |
| EPA 8260 | Tetrachloroethene | 10.9 | ug/L | 1.1 | 10/18/19 10:47 | |
| EPA 8260 | Trichloroethene | 11.5 | ug/L | 1.0 | 10/18/19 10:47 | |
| EPA 8260 | Vinyl chloride | 9.9 | ug/L | 1.0 | 10/18/19 10:47 | |
| 40197377008 | MW-1 | | | | | |
| EPA 8260 | cis-1,2-Dichloroethene | 3150 | ug/L | 50.0 | 10/18/19 08:55 | |
| EPA 8260 | trans-1,2-Dichloroethene | 73.9J | ug/L | 182 | 10/18/19 08:55 | |
| EPA 8260 | Tetrachloroethene | 58.1 | ug/L | 54.4 | 10/18/19 08:55 | |
| EPA 8260 | Trichloroethene | 55.5 | ug/L | 50.0 | 10/18/19 08:55 | |
| EPA 8260 | Vinyl chloride | 367 | ug/L | 50.0 | 10/18/19 08:55 | |
| 40197377009 | PZ-1 | | | | | |
| EPA 8260 | cis-1,2-Dichloroethene | 4.2 | ug/L | 1.0 | 10/18/19 13:02 | |
| EPA 8260 | Tetrachloroethene | 0.90J | ug/L | 1.1 | 10/18/19 13:02 | |
| EPA 8260 | Trichloroethene | 0.28J | ug/L | 1.0 | 10/18/19 13:02 | |
| 40197377010 | MW-3R | | | | | |
| EPA 8015B Modified | Ethane | 22.8 | ug/L | 5.6 | 10/22/19 14:30 | |
| EPA 8015B Modified | Ethene | 40.8 | ug/L | 5.0 | 10/22/19 14:30 | |
| EPA 8015B Modified | Methane | 5780 | ug/L | 140 | 10/22/19 16:15 | |
| EPA 6020 | Iron | 1520 | ug/L | 250 | 10/24/19 08:58 | |
| EPA 8260 | cis-1,2-Dichloroethene | 1650 | ug/L | 40.0 | 10/18/19 09:17 | |
| EPA 8260 | Vinyl chloride | 15.4J | ug/L | 40.0 | 10/18/19 09:17 | |
| SM 3500-Fe B | Iron, Ferrous | 4.2 | mg/L | 0.80 | 10/29/19 14:18 | H6,N2 |
| SM 5310C | Total Organic Carbon | 382 | mg/L | 84.0 | 10/23/19 14:34 | |

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 1690004905 EXPRESS CLEANER(FMR)

Pace Project No.: 40197377

| Lab Sample ID Method | Client Sample ID Parameters | Result | Units | Report Limit | Analyzed | Qualifiers |
|-------------------------|--------------------------------|--------|-------|--------------|----------------|------------|
| 40197377011 | MW-8 | | | | | |
| EPA 8015B Modified | Ethane | 10.6 | ug/L | 5.6 | 10/22/19 14:37 | |
| EPA 8015B Modified | Ethene | 5.8 | ug/L | 5.0 | 10/22/19 14:37 | |
| EPA 8015B Modified | Methane | 6080 | ug/L | 112 | 10/22/19 16:22 | |
| EPA 6020 | Iron | 6170 | ug/L | 250 | 10/24/19 09:05 | |
| EPA 8260 | cis-1,2-Dichloroethene | 228 | ug/L | 10.0 | 10/21/19 08:50 | |
| EPA 8260 | trans-1,2-Dichloroethene | 15.1 | ug/L | 7.3 | 10/18/19 15:17 | |
| EPA 8260 | Vinyl chloride | 2.7 | ug/L | 2.0 | 10/18/19 15:17 | |
| HACH 8146 | Iron, Ferric | 2.9 | mg/L | 0.80 | 11/07/19 14:56 | |
| EPA 300.0 | Sulfate | 53.7 | mg/L | 30.0 | 10/25/19 18:17 | |
| SM 3500-Fe B | Iron, Ferrous | 3.3 | mg/L | 0.80 | 10/29/19 14:19 | H6,N2 |
| SM 5310C | Total Organic Carbon | 4.2 | mg/L | 0.84 | 10/23/19 14:54 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1690004905 EXPRESS CLEANER(FMR)

Pace Project No.: 40197377

Sample: MW-15 **Lab ID: 40197377001** Collected: 10/14/19 10:35 Received: 10/16/19 09:05 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|-----------------------------|---------|-----------------------------|------|------|----|----------|----------------|------------|------|
| 8260 MSV | | Analytical Method: EPA 8260 | | | | | | | |
| Benzene | <0.25 | ug/L | 1.0 | 0.25 | 1 | | 10/18/19 21:28 | 71-43-2 | |
| Bromobenzene | <0.24 | ug/L | 1.0 | 0.24 | 1 | | 10/18/19 21:28 | 108-86-1 | |
| Bromochloromethane | <0.36 | ug/L | 5.0 | 0.36 | 1 | | 10/18/19 21:28 | 74-97-5 | |
| Bromodichloromethane | <0.36 | ug/L | 1.2 | 0.36 | 1 | | 10/18/19 21:28 | 75-27-4 | |
| Bromoform | <4.0 | ug/L | 13.2 | 4.0 | 1 | | 10/18/19 21:28 | 75-25-2 | |
| Bromomethane | <0.97 | ug/L | 5.0 | 0.97 | 1 | | 10/18/19 21:28 | 74-83-9 | |
| n-Butylbenzene | <0.71 | ug/L | 2.4 | 0.71 | 1 | | 10/18/19 21:28 | 104-51-8 | |
| sec-Butylbenzene | <0.85 | ug/L | 5.0 | 0.85 | 1 | | 10/18/19 21:28 | 135-98-8 | |
| tert-Butylbenzene | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 10/18/19 21:28 | 98-06-6 | |
| Carbon tetrachloride | <0.17 | ug/L | 1.0 | 0.17 | 1 | | 10/18/19 21:28 | 56-23-5 | |
| Chlorobenzene | <0.71 | ug/L | 2.4 | 0.71 | 1 | | 10/18/19 21:28 | 108-90-7 | |
| Chloroethane | <1.3 | ug/L | 5.0 | 1.3 | 1 | | 10/18/19 21:28 | 75-00-3 | |
| Chloroform | <1.3 | ug/L | 5.0 | 1.3 | 1 | | 10/18/19 21:28 | 67-66-3 | |
| Chloromethane | <2.2 | ug/L | 7.3 | 2.2 | 1 | | 10/18/19 21:28 | 74-87-3 | |
| 2-Chlorotoluene | <0.93 | ug/L | 5.0 | 0.93 | 1 | | 10/18/19 21:28 | 95-49-8 | |
| 4-Chlorotoluene | <0.76 | ug/L | 2.5 | 0.76 | 1 | | 10/18/19 21:28 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | <1.8 | ug/L | 5.9 | 1.8 | 1 | | 10/18/19 21:28 | 96-12-8 | |
| Dibromochloromethane | <2.6 | ug/L | 8.7 | 2.6 | 1 | | 10/18/19 21:28 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | <0.83 | ug/L | 2.8 | 0.83 | 1 | | 10/18/19 21:28 | 106-93-4 | |
| Dibromomethane | <0.94 | ug/L | 3.1 | 0.94 | 1 | | 10/18/19 21:28 | 74-95-3 | |
| 1,2-Dichlorobenzene | <0.71 | ug/L | 2.4 | 0.71 | 1 | | 10/18/19 21:28 | 95-50-1 | |
| 1,3-Dichlorobenzene | <0.63 | ug/L | 2.1 | 0.63 | 1 | | 10/18/19 21:28 | 541-73-1 | |
| 1,4-Dichlorobenzene | <0.94 | ug/L | 3.1 | 0.94 | 1 | | 10/18/19 21:28 | 106-46-7 | |
| Dichlorodifluoromethane | <0.50 | ug/L | 5.0 | 0.50 | 1 | | 10/18/19 21:28 | 75-71-8 | |
| 1,1-Dichloroethane | <0.27 | ug/L | 1.0 | 0.27 | 1 | | 10/18/19 21:28 | 75-34-3 | |
| 1,2-Dichloroethane | <0.28 | ug/L | 1.0 | 0.28 | 1 | | 10/18/19 21:28 | 107-06-2 | |
| 1,1-Dichloroethene | <0.24 | ug/L | 1.0 | 0.24 | 1 | | 10/18/19 21:28 | 75-35-4 | |
| cis-1,2-Dichloroethene | <0.27 | ug/L | 1.0 | 0.27 | 1 | | 10/18/19 21:28 | 156-59-2 | |
| trans-1,2-Dichloroethene | <1.1 | ug/L | 3.6 | 1.1 | 1 | | 10/18/19 21:28 | 156-60-5 | |
| 1,2-Dichloropropane | <0.28 | ug/L | 1.0 | 0.28 | 1 | | 10/18/19 21:28 | 78-87-5 | |
| 1,3-Dichloropropane | <0.83 | ug/L | 2.8 | 0.83 | 1 | | 10/18/19 21:28 | 142-28-9 | |
| 2,2-Dichloropropane | <2.3 | ug/L | 7.6 | 2.3 | 1 | | 10/18/19 21:28 | 594-20-7 | |
| 1,1-Dichloropropene | <0.54 | ug/L | 1.8 | 0.54 | 1 | | 10/18/19 21:28 | 563-58-6 | |
| cis-1,3-Dichloropropene | <3.6 | ug/L | 12.1 | 3.6 | 1 | | 10/18/19 21:28 | 10061-01-5 | |
| trans-1,3-Dichloropropene | <4.4 | ug/L | 14.6 | 4.4 | 1 | | 10/18/19 21:28 | 10061-02-6 | |
| Diisopropyl ether | <1.9 | ug/L | 6.3 | 1.9 | 1 | | 10/18/19 21:28 | 108-20-3 | |
| Ethylbenzene | <0.22 | ug/L | 1.0 | 0.22 | 1 | | 10/18/19 21:28 | 100-41-4 | |
| Hexachloro-1,3-butadiene | <1.2 | ug/L | 5.0 | 1.2 | 1 | | 10/18/19 21:28 | 87-68-3 | |
| Isopropylbenzene (Cumene) | <0.39 | ug/L | 5.0 | 0.39 | 1 | | 10/18/19 21:28 | 98-82-8 | |
| p-Isopropyltoluene | <0.80 | ug/L | 2.7 | 0.80 | 1 | | 10/18/19 21:28 | 99-87-6 | |
| Methylene Chloride | <0.58 | ug/L | 5.0 | 0.58 | 1 | | 10/18/19 21:28 | 75-09-2 | |
| Methyl-tert-butyl ether | <1.2 | ug/L | 4.2 | 1.2 | 1 | | 10/18/19 21:28 | 1634-04-4 | |
| Naphthalene | <1.2 | ug/L | 5.0 | 1.2 | 1 | | 10/18/19 21:28 | 91-20-3 | |
| n-Propylbenzene | <0.81 | ug/L | 5.0 | 0.81 | 1 | | 10/18/19 21:28 | 103-65-1 | |
| Styrene | <0.47 | ug/L | 1.6 | 0.47 | 1 | | 10/18/19 21:28 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | <0.27 | ug/L | 1.0 | 0.27 | 1 | | 10/18/19 21:28 | 630-20-6 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1690004905 EXPRESS CLEANER(FMR)

Pace Project No.: 40197377

Sample: MW-15 **Lab ID: 40197377001** Collected: 10/14/19 10:35 Received: 10/16/19 09:05 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|---------------------------|---------|-----------------------------|--------|------|----|----------|----------------|-------------|------|
| 8260 MSV | | Analytical Method: EPA 8260 | | | | | | | |
| 1,1,2,2-Tetrachloroethane | <0.28 | ug/L | 1.0 | 0.28 | 1 | | 10/18/19 21:28 | 79-34-5 | |
| Tetrachloroethene | <0.33 | ug/L | 1.1 | 0.33 | 1 | | 10/18/19 21:28 | 127-18-4 | |
| Toluene | <0.17 | ug/L | 5.0 | 0.17 | 1 | | 10/18/19 21:28 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | <0.63 | ug/L | 5.0 | 0.63 | 1 | | 10/18/19 21:28 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | <0.95 | ug/L | 5.0 | 0.95 | 1 | | 10/18/19 21:28 | 120-82-1 | |
| 1,1,1-Trichloroethane | <0.24 | ug/L | 1.0 | 0.24 | 1 | | 10/18/19 21:28 | 71-55-6 | |
| 1,1,2-Trichloroethane | <0.55 | ug/L | 5.0 | 0.55 | 1 | | 10/18/19 21:28 | 79-00-5 | |
| Trichloroethene | <0.26 | ug/L | 1.0 | 0.26 | 1 | | 10/18/19 21:28 | 79-01-6 | |
| Trichlorofluoromethane | <0.21 | ug/L | 1.0 | 0.21 | 1 | | 10/18/19 21:28 | 75-69-4 | |
| 1,2,3-Trichloropropane | <0.59 | ug/L | 5.0 | 0.59 | 1 | | 10/18/19 21:28 | 96-18-4 | |
| 1,2,4-Trimethylbenzene | <0.84 | ug/L | 2.8 | 0.84 | 1 | | 10/18/19 21:28 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | <0.87 | ug/L | 2.9 | 0.87 | 1 | | 10/18/19 21:28 | 108-67-8 | |
| Vinyl chloride | <0.17 | ug/L | 1.0 | 0.17 | 1 | | 10/18/19 21:28 | 75-01-4 | |
| Xylene (Total) | <1.5 | ug/L | 3.0 | 1.5 | 1 | | 10/18/19 21:28 | 1330-20-7 | |
| m&p-Xylene | <0.47 | ug/L | 2.0 | 0.47 | 1 | | 10/18/19 21:28 | 179601-23-1 | |
| o-Xylene | <0.26 | ug/L | 1.0 | 0.26 | 1 | | 10/18/19 21:28 | 95-47-6 | |
| Surrogates | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 95 | % | 70-130 | | 1 | | 10/18/19 21:28 | 460-00-4 | |
| Dibromofluoromethane (S) | 98 | % | 70-130 | | 1 | | 10/18/19 21:28 | 1868-53-7 | |
| Toluene-d8 (S) | 98 | % | 70-130 | | 1 | | 10/18/19 21:28 | 2037-26-5 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1690004905 EXPRESS CLEANER(FMR)

Pace Project No.: 40197377

Sample: MW-6 **Lab ID: 40197377002** Collected: 10/14/19 11:25 Received: 10/16/19 09:05 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|-----------------------------|---------|-----------------------------|------|------|----|----------|----------------|------------|------|
| 8260 MSV | | Analytical Method: EPA 8260 | | | | | | | |
| Benzene | <0.25 | ug/L | 1.0 | 0.25 | 1 | | 10/18/19 21:51 | 71-43-2 | |
| Bromobenzene | <0.24 | ug/L | 1.0 | 0.24 | 1 | | 10/18/19 21:51 | 108-86-1 | |
| Bromochloromethane | <0.36 | ug/L | 5.0 | 0.36 | 1 | | 10/18/19 21:51 | 74-97-5 | |
| Bromodichloromethane | <0.36 | ug/L | 1.2 | 0.36 | 1 | | 10/18/19 21:51 | 75-27-4 | |
| Bromoform | <4.0 | ug/L | 13.2 | 4.0 | 1 | | 10/18/19 21:51 | 75-25-2 | |
| Bromomethane | <0.97 | ug/L | 5.0 | 0.97 | 1 | | 10/18/19 21:51 | 74-83-9 | |
| n-Butylbenzene | <0.71 | ug/L | 2.4 | 0.71 | 1 | | 10/18/19 21:51 | 104-51-8 | |
| sec-Butylbenzene | <0.85 | ug/L | 5.0 | 0.85 | 1 | | 10/18/19 21:51 | 135-98-8 | |
| tert-Butylbenzene | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 10/18/19 21:51 | 98-06-6 | |
| Carbon tetrachloride | <0.17 | ug/L | 1.0 | 0.17 | 1 | | 10/18/19 21:51 | 56-23-5 | |
| Chlorobenzene | <0.71 | ug/L | 2.4 | 0.71 | 1 | | 10/18/19 21:51 | 108-90-7 | |
| Chloroethane | <1.3 | ug/L | 5.0 | 1.3 | 1 | | 10/18/19 21:51 | 75-00-3 | |
| Chloroform | <1.3 | ug/L | 5.0 | 1.3 | 1 | | 10/18/19 21:51 | 67-66-3 | |
| Chloromethane | <2.2 | ug/L | 7.3 | 2.2 | 1 | | 10/18/19 21:51 | 74-87-3 | |
| 2-Chlorotoluene | <0.93 | ug/L | 5.0 | 0.93 | 1 | | 10/18/19 21:51 | 95-49-8 | |
| 4-Chlorotoluene | <0.76 | ug/L | 2.5 | 0.76 | 1 | | 10/18/19 21:51 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | <1.8 | ug/L | 5.9 | 1.8 | 1 | | 10/18/19 21:51 | 96-12-8 | |
| Dibromochloromethane | <2.6 | ug/L | 8.7 | 2.6 | 1 | | 10/18/19 21:51 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | <0.83 | ug/L | 2.8 | 0.83 | 1 | | 10/18/19 21:51 | 106-93-4 | |
| Dibromomethane | <0.94 | ug/L | 3.1 | 0.94 | 1 | | 10/18/19 21:51 | 74-95-3 | |
| 1,2-Dichlorobenzene | <0.71 | ug/L | 2.4 | 0.71 | 1 | | 10/18/19 21:51 | 95-50-1 | |
| 1,3-Dichlorobenzene | <0.63 | ug/L | 2.1 | 0.63 | 1 | | 10/18/19 21:51 | 541-73-1 | |
| 1,4-Dichlorobenzene | <0.94 | ug/L | 3.1 | 0.94 | 1 | | 10/18/19 21:51 | 106-46-7 | |
| Dichlorodifluoromethane | <0.50 | ug/L | 5.0 | 0.50 | 1 | | 10/18/19 21:51 | 75-71-8 | |
| 1,1-Dichloroethane | <0.27 | ug/L | 1.0 | 0.27 | 1 | | 10/18/19 21:51 | 75-34-3 | |
| 1,2-Dichloroethane | <0.28 | ug/L | 1.0 | 0.28 | 1 | | 10/18/19 21:51 | 107-06-2 | |
| 1,1-Dichloroethene | <0.24 | ug/L | 1.0 | 0.24 | 1 | | 10/18/19 21:51 | 75-35-4 | |
| cis-1,2-Dichloroethene | 18.5 | ug/L | 1.0 | 0.27 | 1 | | 10/18/19 21:51 | 156-59-2 | |
| trans-1,2-Dichloroethene | <1.1 | ug/L | 3.6 | 1.1 | 1 | | 10/18/19 21:51 | 156-60-5 | |
| 1,2-Dichloropropane | <0.28 | ug/L | 1.0 | 0.28 | 1 | | 10/18/19 21:51 | 78-87-5 | |
| 1,3-Dichloropropane | <0.83 | ug/L | 2.8 | 0.83 | 1 | | 10/18/19 21:51 | 142-28-9 | |
| 2,2-Dichloropropane | <2.3 | ug/L | 7.6 | 2.3 | 1 | | 10/18/19 21:51 | 594-20-7 | |
| 1,1-Dichloropropene | <0.54 | ug/L | 1.8 | 0.54 | 1 | | 10/18/19 21:51 | 563-58-6 | |
| cis-1,3-Dichloropropene | <3.6 | ug/L | 12.1 | 3.6 | 1 | | 10/18/19 21:51 | 10061-01-5 | |
| trans-1,3-Dichloropropene | <4.4 | ug/L | 14.6 | 4.4 | 1 | | 10/18/19 21:51 | 10061-02-6 | |
| Diisopropyl ether | <1.9 | ug/L | 6.3 | 1.9 | 1 | | 10/18/19 21:51 | 108-20-3 | |
| Ethylbenzene | <0.22 | ug/L | 1.0 | 0.22 | 1 | | 10/18/19 21:51 | 100-41-4 | |
| Hexachloro-1,3-butadiene | <1.2 | ug/L | 5.0 | 1.2 | 1 | | 10/18/19 21:51 | 87-68-3 | |
| Isopropylbenzene (Cumene) | <0.39 | ug/L | 5.0 | 0.39 | 1 | | 10/18/19 21:51 | 98-82-8 | |
| p-Isopropyltoluene | <0.80 | ug/L | 2.7 | 0.80 | 1 | | 10/18/19 21:51 | 99-87-6 | |
| Methylene Chloride | <0.58 | ug/L | 5.0 | 0.58 | 1 | | 10/18/19 21:51 | 75-09-2 | |
| Methyl-tert-butyl ether | <1.2 | ug/L | 4.2 | 1.2 | 1 | | 10/18/19 21:51 | 1634-04-4 | |
| Naphthalene | <1.2 | ug/L | 5.0 | 1.2 | 1 | | 10/18/19 21:51 | 91-20-3 | |
| n-Propylbenzene | <0.81 | ug/L | 5.0 | 0.81 | 1 | | 10/18/19 21:51 | 103-65-1 | |
| Styrene | <0.47 | ug/L | 1.6 | 0.47 | 1 | | 10/18/19 21:51 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | <0.27 | ug/L | 1.0 | 0.27 | 1 | | 10/18/19 21:51 | 630-20-6 | |

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ANALYTICAL RESULTS

Project: 1690004905 EXPRESS CLEANER(FMR)

Pace Project No.: 40197377

Sample: MW-6 **Lab ID: 40197377002** Collected: 10/14/19 11:25 Received: 10/16/19 09:05 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|---------------------------|---------|-----------------------------|--------|------|----|----------|----------------|-------------|------|
| 8260 MSV | | Analytical Method: EPA 8260 | | | | | | | |
| 1,1,2,2-Tetrachloroethane | <0.28 | ug/L | 1.0 | 0.28 | 1 | | 10/18/19 21:51 | 79-34-5 | |
| Tetrachloroethene | 13.1 | ug/L | 1.1 | 0.33 | 1 | | 10/18/19 21:51 | 127-18-4 | |
| Toluene | <0.17 | ug/L | 5.0 | 0.17 | 1 | | 10/18/19 21:51 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | <0.63 | ug/L | 5.0 | 0.63 | 1 | | 10/18/19 21:51 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | <0.95 | ug/L | 5.0 | 0.95 | 1 | | 10/18/19 21:51 | 120-82-1 | |
| 1,1,1-Trichloroethane | <0.24 | ug/L | 1.0 | 0.24 | 1 | | 10/18/19 21:51 | 71-55-6 | |
| 1,1,2-Trichloroethane | <0.55 | ug/L | 5.0 | 0.55 | 1 | | 10/18/19 21:51 | 79-00-5 | |
| Trichloroethene | 4.8 | ug/L | 1.0 | 0.26 | 1 | | 10/18/19 21:51 | 79-01-6 | |
| Trichlorofluoromethane | <0.21 | ug/L | 1.0 | 0.21 | 1 | | 10/18/19 21:51 | 75-69-4 | |
| 1,2,3-Trichloropropane | <0.59 | ug/L | 5.0 | 0.59 | 1 | | 10/18/19 21:51 | 96-18-4 | |
| 1,2,4-Trimethylbenzene | <0.84 | ug/L | 2.8 | 0.84 | 1 | | 10/18/19 21:51 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | <0.87 | ug/L | 2.9 | 0.87 | 1 | | 10/18/19 21:51 | 108-67-8 | |
| Vinyl chloride | <0.17 | ug/L | 1.0 | 0.17 | 1 | | 10/18/19 21:51 | 75-01-4 | |
| Xylene (Total) | <1.5 | ug/L | 3.0 | 1.5 | 1 | | 10/18/19 21:51 | 1330-20-7 | |
| m&p-Xylene | <0.47 | ug/L | 2.0 | 0.47 | 1 | | 10/18/19 21:51 | 179601-23-1 | |
| o-Xylene | <0.26 | ug/L | 1.0 | 0.26 | 1 | | 10/18/19 21:51 | 95-47-6 | |
| Surrogates | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 94 | % | 70-130 | | 1 | | 10/18/19 21:51 | 460-00-4 | |
| Dibromofluoromethane (S) | 99 | % | 70-130 | | 1 | | 10/18/19 21:51 | 1868-53-7 | |
| Toluene-d8 (S) | 98 | % | 70-130 | | 1 | | 10/18/19 21:51 | 2037-26-5 | |

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ANALYTICAL RESULTS

Project: 1690004905 EXPRESS CLEANER(FMR)

Pace Project No.: 40197377

Sample: MW-16 **Lab ID: 40197377003** Collected: 10/14/19 12:05 Received: 10/16/19 09:05 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|-----------------------------|---------|-----------------------------|------|------|----|----------|----------------|------------|------|
| 8260 MSV | | Analytical Method: EPA 8260 | | | | | | | |
| Benzene | <0.25 | ug/L | 1.0 | 0.25 | 1 | | 10/18/19 22:13 | 71-43-2 | |
| Bromobenzene | <0.24 | ug/L | 1.0 | 0.24 | 1 | | 10/18/19 22:13 | 108-86-1 | |
| Bromochloromethane | <0.36 | ug/L | 5.0 | 0.36 | 1 | | 10/18/19 22:13 | 74-97-5 | |
| Bromodichloromethane | <0.36 | ug/L | 1.2 | 0.36 | 1 | | 10/18/19 22:13 | 75-27-4 | |
| Bromoform | <4.0 | ug/L | 13.2 | 4.0 | 1 | | 10/18/19 22:13 | 75-25-2 | |
| Bromomethane | <0.97 | ug/L | 5.0 | 0.97 | 1 | | 10/18/19 22:13 | 74-83-9 | |
| n-Butylbenzene | <0.71 | ug/L | 2.4 | 0.71 | 1 | | 10/18/19 22:13 | 104-51-8 | |
| sec-Butylbenzene | <0.85 | ug/L | 5.0 | 0.85 | 1 | | 10/18/19 22:13 | 135-98-8 | |
| tert-Butylbenzene | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 10/18/19 22:13 | 98-06-6 | |
| Carbon tetrachloride | <0.17 | ug/L | 1.0 | 0.17 | 1 | | 10/18/19 22:13 | 56-23-5 | |
| Chlorobenzene | <0.71 | ug/L | 2.4 | 0.71 | 1 | | 10/18/19 22:13 | 108-90-7 | |
| Chloroethane | <1.3 | ug/L | 5.0 | 1.3 | 1 | | 10/18/19 22:13 | 75-00-3 | |
| Chloroform | <1.3 | ug/L | 5.0 | 1.3 | 1 | | 10/18/19 22:13 | 67-66-3 | |
| Chloromethane | <2.2 | ug/L | 7.3 | 2.2 | 1 | | 10/18/19 22:13 | 74-87-3 | |
| 2-Chlorotoluene | <0.93 | ug/L | 5.0 | 0.93 | 1 | | 10/18/19 22:13 | 95-49-8 | |
| 4-Chlorotoluene | <0.76 | ug/L | 2.5 | 0.76 | 1 | | 10/18/19 22:13 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | <1.8 | ug/L | 5.9 | 1.8 | 1 | | 10/18/19 22:13 | 96-12-8 | |
| Dibromochloromethane | <2.6 | ug/L | 8.7 | 2.6 | 1 | | 10/18/19 22:13 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | <0.83 | ug/L | 2.8 | 0.83 | 1 | | 10/18/19 22:13 | 106-93-4 | |
| Dibromomethane | <0.94 | ug/L | 3.1 | 0.94 | 1 | | 10/18/19 22:13 | 74-95-3 | |
| 1,2-Dichlorobenzene | <0.71 | ug/L | 2.4 | 0.71 | 1 | | 10/18/19 22:13 | 95-50-1 | |
| 1,3-Dichlorobenzene | <0.63 | ug/L | 2.1 | 0.63 | 1 | | 10/18/19 22:13 | 541-73-1 | |
| 1,4-Dichlorobenzene | <0.94 | ug/L | 3.1 | 0.94 | 1 | | 10/18/19 22:13 | 106-46-7 | |
| Dichlorodifluoromethane | <0.50 | ug/L | 5.0 | 0.50 | 1 | | 10/18/19 22:13 | 75-71-8 | |
| 1,1-Dichloroethane | <0.27 | ug/L | 1.0 | 0.27 | 1 | | 10/18/19 22:13 | 75-34-3 | |
| 1,2-Dichloroethane | <0.28 | ug/L | 1.0 | 0.28 | 1 | | 10/18/19 22:13 | 107-06-2 | |
| 1,1-Dichloroethene | <0.24 | ug/L | 1.0 | 0.24 | 1 | | 10/18/19 22:13 | 75-35-4 | |
| cis-1,2-Dichloroethene | <0.27 | ug/L | 1.0 | 0.27 | 1 | | 10/18/19 22:13 | 156-59-2 | |
| trans-1,2-Dichloroethene | <1.1 | ug/L | 3.6 | 1.1 | 1 | | 10/18/19 22:13 | 156-60-5 | |
| 1,2-Dichloropropane | <0.28 | ug/L | 1.0 | 0.28 | 1 | | 10/18/19 22:13 | 78-87-5 | |
| 1,3-Dichloropropane | <0.83 | ug/L | 2.8 | 0.83 | 1 | | 10/18/19 22:13 | 142-28-9 | |
| 2,2-Dichloropropane | <2.3 | ug/L | 7.6 | 2.3 | 1 | | 10/18/19 22:13 | 594-20-7 | |
| 1,1-Dichloropropene | <0.54 | ug/L | 1.8 | 0.54 | 1 | | 10/18/19 22:13 | 563-58-6 | |
| cis-1,3-Dichloropropene | <3.6 | ug/L | 12.1 | 3.6 | 1 | | 10/18/19 22:13 | 10061-01-5 | |
| trans-1,3-Dichloropropene | <4.4 | ug/L | 14.6 | 4.4 | 1 | | 10/18/19 22:13 | 10061-02-6 | |
| Diisopropyl ether | <1.9 | ug/L | 6.3 | 1.9 | 1 | | 10/18/19 22:13 | 108-20-3 | |
| Ethylbenzene | <0.22 | ug/L | 1.0 | 0.22 | 1 | | 10/18/19 22:13 | 100-41-4 | |
| Hexachloro-1,3-butadiene | <1.2 | ug/L | 5.0 | 1.2 | 1 | | 10/18/19 22:13 | 87-68-3 | |
| Isopropylbenzene (Cumene) | <0.39 | ug/L | 5.0 | 0.39 | 1 | | 10/18/19 22:13 | 98-82-8 | |
| p-Isopropyltoluene | <0.80 | ug/L | 2.7 | 0.80 | 1 | | 10/18/19 22:13 | 99-87-6 | |
| Methylene Chloride | <0.58 | ug/L | 5.0 | 0.58 | 1 | | 10/18/19 22:13 | 75-09-2 | |
| Methyl-tert-butyl ether | <1.2 | ug/L | 4.2 | 1.2 | 1 | | 10/18/19 22:13 | 1634-04-4 | |
| Naphthalene | <1.2 | ug/L | 5.0 | 1.2 | 1 | | 10/18/19 22:13 | 91-20-3 | |
| n-Propylbenzene | <0.81 | ug/L | 5.0 | 0.81 | 1 | | 10/18/19 22:13 | 103-65-1 | |
| Styrene | <0.47 | ug/L | 1.6 | 0.47 | 1 | | 10/18/19 22:13 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | <0.27 | ug/L | 1.0 | 0.27 | 1 | | 10/18/19 22:13 | 630-20-6 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1690004905 EXPRESS CLEANER(FMR)

Pace Project No.: 40197377

Sample: MW-16 **Lab ID: 40197377003** Collected: 10/14/19 12:05 Received: 10/16/19 09:05 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|---------------------------|---------|-----------------------------|--------|------|----|----------|----------------|-------------|------|
| 8260 MSV | | Analytical Method: EPA 8260 | | | | | | | |
| 1,1,2,2-Tetrachloroethane | <0.28 | ug/L | 1.0 | 0.28 | 1 | | 10/18/19 22:13 | 79-34-5 | |
| Tetrachloroethene | <0.33 | ug/L | 1.1 | 0.33 | 1 | | 10/18/19 22:13 | 127-18-4 | |
| Toluene | <0.17 | ug/L | 5.0 | 0.17 | 1 | | 10/18/19 22:13 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | <0.63 | ug/L | 5.0 | 0.63 | 1 | | 10/18/19 22:13 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | <0.95 | ug/L | 5.0 | 0.95 | 1 | | 10/18/19 22:13 | 120-82-1 | |
| 1,1,1-Trichloroethane | <0.24 | ug/L | 1.0 | 0.24 | 1 | | 10/18/19 22:13 | 71-55-6 | |
| 1,1,2-Trichloroethane | <0.55 | ug/L | 5.0 | 0.55 | 1 | | 10/18/19 22:13 | 79-00-5 | |
| Trichloroethene | <0.26 | ug/L | 1.0 | 0.26 | 1 | | 10/18/19 22:13 | 79-01-6 | |
| Trichlorofluoromethane | <0.21 | ug/L | 1.0 | 0.21 | 1 | | 10/18/19 22:13 | 75-69-4 | |
| 1,2,3-Trichloropropane | <0.59 | ug/L | 5.0 | 0.59 | 1 | | 10/18/19 22:13 | 96-18-4 | |
| 1,2,4-Trimethylbenzene | <0.84 | ug/L | 2.8 | 0.84 | 1 | | 10/18/19 22:13 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | <0.87 | ug/L | 2.9 | 0.87 | 1 | | 10/18/19 22:13 | 108-67-8 | |
| Vinyl chloride | <0.17 | ug/L | 1.0 | 0.17 | 1 | | 10/18/19 22:13 | 75-01-4 | |
| Xylene (Total) | <1.5 | ug/L | 3.0 | 1.5 | 1 | | 10/18/19 22:13 | 1330-20-7 | |
| m&p-Xylene | <0.47 | ug/L | 2.0 | 0.47 | 1 | | 10/18/19 22:13 | 179601-23-1 | |
| o-Xylene | <0.26 | ug/L | 1.0 | 0.26 | 1 | | 10/18/19 22:13 | 95-47-6 | |
| Surrogates | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 95 | % | 70-130 | | 1 | | 10/18/19 22:13 | 460-00-4 | |
| Dibromofluoromethane (S) | 100 | % | 70-130 | | 1 | | 10/18/19 22:13 | 1868-53-7 | |
| Toluene-d8 (S) | 98 | % | 70-130 | | 1 | | 10/18/19 22:13 | 2037-26-5 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1690004905 EXPRESS CLEANER(FMR)

Pace Project No.: 40197377

Sample: MW-13 **Lab ID: 40197377004** Collected: 10/14/19 12:50 Received: 10/16/19 09:05 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|-----------------------------|---------|-----------------------------|------|------|----|----------|----------------|------------|------|
| 8260 MSV | | Analytical Method: EPA 8260 | | | | | | | |
| Benzene | <0.25 | ug/L | 1.0 | 0.25 | 1 | | 10/18/19 10:25 | 71-43-2 | |
| Bromobenzene | <0.24 | ug/L | 1.0 | 0.24 | 1 | | 10/18/19 10:25 | 108-86-1 | |
| Bromochloromethane | <0.36 | ug/L | 5.0 | 0.36 | 1 | | 10/18/19 10:25 | 74-97-5 | |
| Bromodichloromethane | <0.36 | ug/L | 1.2 | 0.36 | 1 | | 10/18/19 10:25 | 75-27-4 | |
| Bromoform | <4.0 | ug/L | 13.2 | 4.0 | 1 | | 10/18/19 10:25 | 75-25-2 | |
| Bromomethane | <0.97 | ug/L | 5.0 | 0.97 | 1 | | 10/18/19 10:25 | 74-83-9 | |
| n-Butylbenzene | <0.71 | ug/L | 2.4 | 0.71 | 1 | | 10/18/19 10:25 | 104-51-8 | |
| sec-Butylbenzene | <0.85 | ug/L | 5.0 | 0.85 | 1 | | 10/18/19 10:25 | 135-98-8 | |
| tert-Butylbenzene | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 10/18/19 10:25 | 98-06-6 | |
| Carbon tetrachloride | <0.17 | ug/L | 1.0 | 0.17 | 1 | | 10/18/19 10:25 | 56-23-5 | |
| Chlorobenzene | <0.71 | ug/L | 2.4 | 0.71 | 1 | | 10/18/19 10:25 | 108-90-7 | |
| Chloroethane | <1.3 | ug/L | 5.0 | 1.3 | 1 | | 10/18/19 10:25 | 75-00-3 | |
| Chloroform | <1.3 | ug/L | 5.0 | 1.3 | 1 | | 10/18/19 10:25 | 67-66-3 | |
| Chloromethane | <2.2 | ug/L | 7.3 | 2.2 | 1 | | 10/18/19 10:25 | 74-87-3 | |
| 2-Chlorotoluene | <0.93 | ug/L | 5.0 | 0.93 | 1 | | 10/18/19 10:25 | 95-49-8 | |
| 4-Chlorotoluene | <0.76 | ug/L | 2.5 | 0.76 | 1 | | 10/18/19 10:25 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | <1.8 | ug/L | 5.9 | 1.8 | 1 | | 10/18/19 10:25 | 96-12-8 | |
| Dibromochloromethane | <2.6 | ug/L | 8.7 | 2.6 | 1 | | 10/18/19 10:25 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | <0.83 | ug/L | 2.8 | 0.83 | 1 | | 10/18/19 10:25 | 106-93-4 | |
| Dibromomethane | <0.94 | ug/L | 3.1 | 0.94 | 1 | | 10/18/19 10:25 | 74-95-3 | |
| 1,2-Dichlorobenzene | <0.71 | ug/L | 2.4 | 0.71 | 1 | | 10/18/19 10:25 | 95-50-1 | |
| 1,3-Dichlorobenzene | <0.63 | ug/L | 2.1 | 0.63 | 1 | | 10/18/19 10:25 | 541-73-1 | |
| 1,4-Dichlorobenzene | <0.94 | ug/L | 3.1 | 0.94 | 1 | | 10/18/19 10:25 | 106-46-7 | |
| Dichlorodifluoromethane | <0.50 | ug/L | 5.0 | 0.50 | 1 | | 10/18/19 10:25 | 75-71-8 | |
| 1,1-Dichloroethane | <0.27 | ug/L | 1.0 | 0.27 | 1 | | 10/18/19 10:25 | 75-34-3 | |
| 1,2-Dichloroethane | <0.28 | ug/L | 1.0 | 0.28 | 1 | | 10/18/19 10:25 | 107-06-2 | |
| 1,1-Dichloroethene | <0.24 | ug/L | 1.0 | 0.24 | 1 | | 10/18/19 10:25 | 75-35-4 | |
| cis-1,2-Dichloroethene | 11.0 | ug/L | 1.0 | 0.27 | 1 | | 10/18/19 10:25 | 156-59-2 | |
| trans-1,2-Dichloroethene | <1.1 | ug/L | 3.6 | 1.1 | 1 | | 10/18/19 10:25 | 156-60-5 | |
| 1,2-Dichloropropane | <0.28 | ug/L | 1.0 | 0.28 | 1 | | 10/18/19 10:25 | 78-87-5 | |
| 1,3-Dichloropropane | <0.83 | ug/L | 2.8 | 0.83 | 1 | | 10/18/19 10:25 | 142-28-9 | |
| 2,2-Dichloropropane | <2.3 | ug/L | 7.6 | 2.3 | 1 | | 10/18/19 10:25 | 594-20-7 | |
| 1,1-Dichloropropene | <0.54 | ug/L | 1.8 | 0.54 | 1 | | 10/18/19 10:25 | 563-58-6 | |
| cis-1,3-Dichloropropene | <3.6 | ug/L | 12.1 | 3.6 | 1 | | 10/18/19 10:25 | 10061-01-5 | |
| trans-1,3-Dichloropropene | <4.4 | ug/L | 14.6 | 4.4 | 1 | | 10/18/19 10:25 | 10061-02-6 | |
| Diisopropyl ether | <1.9 | ug/L | 6.3 | 1.9 | 1 | | 10/18/19 10:25 | 108-20-3 | |
| Ethylbenzene | <0.22 | ug/L | 1.0 | 0.22 | 1 | | 10/18/19 10:25 | 100-41-4 | |
| Hexachloro-1,3-butadiene | <1.2 | ug/L | 5.0 | 1.2 | 1 | | 10/18/19 10:25 | 87-68-3 | |
| Isopropylbenzene (Cumene) | <0.39 | ug/L | 5.0 | 0.39 | 1 | | 10/18/19 10:25 | 98-82-8 | |
| p-Isopropyltoluene | <0.80 | ug/L | 2.7 | 0.80 | 1 | | 10/18/19 10:25 | 99-87-6 | |
| Methylene Chloride | <0.58 | ug/L | 5.0 | 0.58 | 1 | | 10/18/19 10:25 | 75-09-2 | |
| Methyl-tert-butyl ether | <1.2 | ug/L | 4.2 | 1.2 | 1 | | 10/18/19 10:25 | 1634-04-4 | |
| Naphthalene | <1.2 | ug/L | 5.0 | 1.2 | 1 | | 10/18/19 10:25 | 91-20-3 | |
| n-Propylbenzene | <0.81 | ug/L | 5.0 | 0.81 | 1 | | 10/18/19 10:25 | 103-65-1 | |
| Styrene | <0.47 | ug/L | 1.6 | 0.47 | 1 | | 10/18/19 10:25 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | <0.27 | ug/L | 1.0 | 0.27 | 1 | | 10/18/19 10:25 | 630-20-6 | |

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ANALYTICAL RESULTS

Project: 1690004905 EXPRESS CLEANER(FMR)

Pace Project No.: 40197377

Sample: MW-13 **Lab ID: 40197377004** Collected: 10/14/19 12:50 Received: 10/16/19 09:05 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|-------|--------|------|----|----------|----------------|-------------|------|
| 8260 MSV Analytical Method: EPA 8260 | | | | | | | | | |
| 1,1,2,2-Tetrachloroethane | <0.28 | ug/L | 1.0 | 0.28 | 1 | | 10/18/19 10:25 | 79-34-5 | |
| Tetrachloroethene | 0.34J | ug/L | 1.1 | 0.33 | 1 | | 10/18/19 10:25 | 127-18-4 | |
| Toluene | <0.17 | ug/L | 5.0 | 0.17 | 1 | | 10/18/19 10:25 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | <0.63 | ug/L | 5.0 | 0.63 | 1 | | 10/18/19 10:25 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | <0.95 | ug/L | 5.0 | 0.95 | 1 | | 10/18/19 10:25 | 120-82-1 | |
| 1,1,1-Trichloroethane | <0.24 | ug/L | 1.0 | 0.24 | 1 | | 10/18/19 10:25 | 71-55-6 | |
| 1,1,2-Trichloroethane | <0.55 | ug/L | 5.0 | 0.55 | 1 | | 10/18/19 10:25 | 79-00-5 | |
| Trichloroethene | <0.26 | ug/L | 1.0 | 0.26 | 1 | | 10/18/19 10:25 | 79-01-6 | |
| Trichlorofluoromethane | <0.21 | ug/L | 1.0 | 0.21 | 1 | | 10/18/19 10:25 | 75-69-4 | |
| 1,2,3-Trichloropropane | <0.59 | ug/L | 5.0 | 0.59 | 1 | | 10/18/19 10:25 | 96-18-4 | |
| 1,2,4-Trimethylbenzene | <0.84 | ug/L | 2.8 | 0.84 | 1 | | 10/18/19 10:25 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | <0.87 | ug/L | 2.9 | 0.87 | 1 | | 10/18/19 10:25 | 108-67-8 | |
| Vinyl chloride | <0.17 | ug/L | 1.0 | 0.17 | 1 | | 10/18/19 10:25 | 75-01-4 | |
| Xylene (Total) | <1.5 | ug/L | 3.0 | 1.5 | 1 | | 10/18/19 10:25 | 1330-20-7 | |
| m&p-Xylene | <0.47 | ug/L | 2.0 | 0.47 | 1 | | 10/18/19 10:25 | 179601-23-1 | |
| o-Xylene | <0.26 | ug/L | 1.0 | 0.26 | 1 | | 10/18/19 10:25 | 95-47-6 | |
| Surrogates | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 94 | % | 70-130 | | 1 | | 10/18/19 10:25 | 460-00-4 | |
| Dibromofluoromethane (S) | 104 | % | 70-130 | | 1 | | 10/18/19 10:25 | 1868-53-7 | |
| Toluene-d8 (S) | 98 | % | 70-130 | | 1 | | 10/18/19 10:25 | 2037-26-5 | |

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ANALYTICAL RESULTS

Project: 1690004905 EXPRESS CLEANER(FMR)

Pace Project No.: 40197377

Sample: MW-12 **Lab ID: 40197377005** Collected: 10/14/19 13:35 Received: 10/16/19 09:05 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|-----------------------------|---------|-----------------------------|------|------|----|----------|----------------|------------|------|
| 8260 MSV | | Analytical Method: EPA 8260 | | | | | | | |
| Benzene | <0.25 | ug/L | 1.0 | 0.25 | 1 | | 10/18/19 11:32 | 71-43-2 | |
| Bromobenzene | <0.24 | ug/L | 1.0 | 0.24 | 1 | | 10/18/19 11:32 | 108-86-1 | |
| Bromochloromethane | <0.36 | ug/L | 5.0 | 0.36 | 1 | | 10/18/19 11:32 | 74-97-5 | |
| Bromodichloromethane | <0.36 | ug/L | 1.2 | 0.36 | 1 | | 10/18/19 11:32 | 75-27-4 | |
| Bromoform | <4.0 | ug/L | 13.2 | 4.0 | 1 | | 10/18/19 11:32 | 75-25-2 | |
| Bromomethane | <0.97 | ug/L | 5.0 | 0.97 | 1 | | 10/18/19 11:32 | 74-83-9 | |
| n-Butylbenzene | <0.71 | ug/L | 2.4 | 0.71 | 1 | | 10/18/19 11:32 | 104-51-8 | |
| sec-Butylbenzene | <0.85 | ug/L | 5.0 | 0.85 | 1 | | 10/18/19 11:32 | 135-98-8 | |
| tert-Butylbenzene | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 10/18/19 11:32 | 98-06-6 | |
| Carbon tetrachloride | <0.17 | ug/L | 1.0 | 0.17 | 1 | | 10/18/19 11:32 | 56-23-5 | |
| Chlorobenzene | <0.71 | ug/L | 2.4 | 0.71 | 1 | | 10/18/19 11:32 | 108-90-7 | |
| Chloroethane | <1.3 | ug/L | 5.0 | 1.3 | 1 | | 10/18/19 11:32 | 75-00-3 | |
| Chloroform | <1.3 | ug/L | 5.0 | 1.3 | 1 | | 10/18/19 11:32 | 67-66-3 | |
| Chloromethane | <2.2 | ug/L | 7.3 | 2.2 | 1 | | 10/18/19 11:32 | 74-87-3 | |
| 2-Chlorotoluene | <0.93 | ug/L | 5.0 | 0.93 | 1 | | 10/18/19 11:32 | 95-49-8 | |
| 4-Chlorotoluene | <0.76 | ug/L | 2.5 | 0.76 | 1 | | 10/18/19 11:32 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | <1.8 | ug/L | 5.9 | 1.8 | 1 | | 10/18/19 11:32 | 96-12-8 | |
| Dibromochloromethane | <2.6 | ug/L | 8.7 | 2.6 | 1 | | 10/18/19 11:32 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | <0.83 | ug/L | 2.8 | 0.83 | 1 | | 10/18/19 11:32 | 106-93-4 | |
| Dibromomethane | <0.94 | ug/L | 3.1 | 0.94 | 1 | | 10/18/19 11:32 | 74-95-3 | |
| 1,2-Dichlorobenzene | <0.71 | ug/L | 2.4 | 0.71 | 1 | | 10/18/19 11:32 | 95-50-1 | |
| 1,3-Dichlorobenzene | <0.63 | ug/L | 2.1 | 0.63 | 1 | | 10/18/19 11:32 | 541-73-1 | |
| 1,4-Dichlorobenzene | <0.94 | ug/L | 3.1 | 0.94 | 1 | | 10/18/19 11:32 | 106-46-7 | |
| Dichlorodifluoromethane | <0.50 | ug/L | 5.0 | 0.50 | 1 | | 10/18/19 11:32 | 75-71-8 | |
| 1,1-Dichloroethane | <0.27 | ug/L | 1.0 | 0.27 | 1 | | 10/18/19 11:32 | 75-34-3 | |
| 1,2-Dichloroethane | <0.28 | ug/L | 1.0 | 0.28 | 1 | | 10/18/19 11:32 | 107-06-2 | |
| 1,1-Dichloroethene | <0.24 | ug/L | 1.0 | 0.24 | 1 | | 10/18/19 11:32 | 75-35-4 | |
| cis-1,2-Dichloroethene | 25.9 | ug/L | 1.0 | 0.27 | 1 | | 10/18/19 11:32 | 156-59-2 | |
| trans-1,2-Dichloroethene | <1.1 | ug/L | 3.6 | 1.1 | 1 | | 10/18/19 11:32 | 156-60-5 | |
| 1,2-Dichloropropane | <0.28 | ug/L | 1.0 | 0.28 | 1 | | 10/18/19 11:32 | 78-87-5 | |
| 1,3-Dichloropropane | <0.83 | ug/L | 2.8 | 0.83 | 1 | | 10/18/19 11:32 | 142-28-9 | |
| 2,2-Dichloropropane | <2.3 | ug/L | 7.6 | 2.3 | 1 | | 10/18/19 11:32 | 594-20-7 | |
| 1,1-Dichloropropene | <0.54 | ug/L | 1.8 | 0.54 | 1 | | 10/18/19 11:32 | 563-58-6 | |
| cis-1,3-Dichloropropene | <3.6 | ug/L | 12.1 | 3.6 | 1 | | 10/18/19 11:32 | 10061-01-5 | |
| trans-1,3-Dichloropropene | <4.4 | ug/L | 14.6 | 4.4 | 1 | | 10/18/19 11:32 | 10061-02-6 | |
| Diisopropyl ether | <1.9 | ug/L | 6.3 | 1.9 | 1 | | 10/18/19 11:32 | 108-20-3 | |
| Ethylbenzene | <0.22 | ug/L | 1.0 | 0.22 | 1 | | 10/18/19 11:32 | 100-41-4 | |
| Hexachloro-1,3-butadiene | <1.2 | ug/L | 5.0 | 1.2 | 1 | | 10/18/19 11:32 | 87-68-3 | |
| Isopropylbenzene (Cumene) | <0.39 | ug/L | 5.0 | 0.39 | 1 | | 10/18/19 11:32 | 98-82-8 | |
| p-Isopropyltoluene | <0.80 | ug/L | 2.7 | 0.80 | 1 | | 10/18/19 11:32 | 99-87-6 | |
| Methylene Chloride | <0.58 | ug/L | 5.0 | 0.58 | 1 | | 10/18/19 11:32 | 75-09-2 | |
| Methyl-tert-butyl ether | <1.2 | ug/L | 4.2 | 1.2 | 1 | | 10/18/19 11:32 | 1634-04-4 | |
| Naphthalene | <1.2 | ug/L | 5.0 | 1.2 | 1 | | 10/18/19 11:32 | 91-20-3 | |
| n-Propylbenzene | <0.81 | ug/L | 5.0 | 0.81 | 1 | | 10/18/19 11:32 | 103-65-1 | |
| Styrene | <0.47 | ug/L | 1.6 | 0.47 | 1 | | 10/18/19 11:32 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | <0.27 | ug/L | 1.0 | 0.27 | 1 | | 10/18/19 11:32 | 630-20-6 | |

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ANALYTICAL RESULTS

Project: 1690004905 EXPRESS CLEANER(FMR)

Pace Project No.: 40197377

Sample: MW-12 **Lab ID: 40197377005** Collected: 10/14/19 13:35 Received: 10/16/19 09:05 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|---------------------------|---------|-----------------------------|--------|------|----|----------|----------------|-------------|------|
| 8260 MSV | | Analytical Method: EPA 8260 | | | | | | | |
| 1,1,2,2-Tetrachloroethane | <0.28 | ug/L | 1.0 | 0.28 | 1 | | 10/18/19 11:32 | 79-34-5 | |
| Tetrachloroethene | 24.1 | ug/L | 1.1 | 0.33 | 1 | | 10/18/19 11:32 | 127-18-4 | |
| Toluene | <0.17 | ug/L | 5.0 | 0.17 | 1 | | 10/18/19 11:32 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | <0.63 | ug/L | 5.0 | 0.63 | 1 | | 10/18/19 11:32 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | <0.95 | ug/L | 5.0 | 0.95 | 1 | | 10/18/19 11:32 | 120-82-1 | |
| 1,1,1-Trichloroethane | <0.24 | ug/L | 1.0 | 0.24 | 1 | | 10/18/19 11:32 | 71-55-6 | |
| 1,1,2-Trichloroethane | <0.55 | ug/L | 5.0 | 0.55 | 1 | | 10/18/19 11:32 | 79-00-5 | |
| Trichloroethene | 2.5 | ug/L | 1.0 | 0.26 | 1 | | 10/18/19 11:32 | 79-01-6 | |
| Trichlorofluoromethane | <0.21 | ug/L | 1.0 | 0.21 | 1 | | 10/18/19 11:32 | 75-69-4 | |
| 1,2,3-Trichloropropane | <0.59 | ug/L | 5.0 | 0.59 | 1 | | 10/18/19 11:32 | 96-18-4 | |
| 1,2,4-Trimethylbenzene | <0.84 | ug/L | 2.8 | 0.84 | 1 | | 10/18/19 11:32 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | <0.87 | ug/L | 2.9 | 0.87 | 1 | | 10/18/19 11:32 | 108-67-8 | |
| Vinyl chloride | <0.17 | ug/L | 1.0 | 0.17 | 1 | | 10/18/19 11:32 | 75-01-4 | |
| Xylene (Total) | <1.5 | ug/L | 3.0 | 1.5 | 1 | | 10/18/19 11:32 | 1330-20-7 | |
| m&p-Xylene | <0.47 | ug/L | 2.0 | 0.47 | 1 | | 10/18/19 11:32 | 179601-23-1 | |
| o-Xylene | <0.26 | ug/L | 1.0 | 0.26 | 1 | | 10/18/19 11:32 | 95-47-6 | |
| Surrogates | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 92 | % | 70-130 | | 1 | | 10/18/19 11:32 | 460-00-4 | |
| Dibromofluoromethane (S) | 102 | % | 70-130 | | 1 | | 10/18/19 11:32 | 1868-53-7 | |
| Toluene-d8 (S) | 98 | % | 70-130 | | 1 | | 10/18/19 11:32 | 2037-26-5 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1690004905 EXPRESS CLEANER(FMR)

Pace Project No.: 40197377

Sample: MW-9 **Lab ID: 40197377006** Collected: 10/14/19 14:45 Received: 10/16/19 09:05 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|-----------------------------|---------|-----------------------------|------|------|----|----------|----------------|------------|------|
| 8260 MSV | | Analytical Method: EPA 8260 | | | | | | | |
| Benzene | <2.5 | ug/L | 10.0 | 2.5 | 10 | | 10/18/19 11:55 | 71-43-2 | |
| Bromobenzene | <2.4 | ug/L | 10.0 | 2.4 | 10 | | 10/18/19 11:55 | 108-86-1 | |
| Bromochloromethane | <3.6 | ug/L | 50.0 | 3.6 | 10 | | 10/18/19 11:55 | 74-97-5 | |
| Bromodichloromethane | <3.6 | ug/L | 12.1 | 3.6 | 10 | | 10/18/19 11:55 | 75-27-4 | |
| Bromoform | <39.7 | ug/L | 132 | 39.7 | 10 | | 10/18/19 11:55 | 75-25-2 | |
| Bromomethane | <9.7 | ug/L | 50.0 | 9.7 | 10 | | 10/18/19 11:55 | 74-83-9 | |
| n-Butylbenzene | <7.1 | ug/L | 23.6 | 7.1 | 10 | | 10/18/19 11:55 | 104-51-8 | |
| sec-Butylbenzene | <8.5 | ug/L | 50.0 | 8.5 | 10 | | 10/18/19 11:55 | 135-98-8 | |
| tert-Butylbenzene | <3.0 | ug/L | 10.1 | 3.0 | 10 | | 10/18/19 11:55 | 98-06-6 | |
| Carbon tetrachloride | <1.7 | ug/L | 10.0 | 1.7 | 10 | | 10/18/19 11:55 | 56-23-5 | |
| Chlorobenzene | <7.1 | ug/L | 23.7 | 7.1 | 10 | | 10/18/19 11:55 | 108-90-7 | |
| Chloroethane | <13.4 | ug/L | 50.0 | 13.4 | 10 | | 10/18/19 11:55 | 75-00-3 | |
| Chloroform | <12.7 | ug/L | 50.0 | 12.7 | 10 | | 10/18/19 11:55 | 67-66-3 | |
| Chloromethane | <21.9 | ug/L | 73.0 | 21.9 | 10 | | 10/18/19 11:55 | 74-87-3 | |
| 2-Chlorotoluene | <9.3 | ug/L | 50.0 | 9.3 | 10 | | 10/18/19 11:55 | 95-49-8 | |
| 4-Chlorotoluene | <7.6 | ug/L | 25.2 | 7.6 | 10 | | 10/18/19 11:55 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | <17.6 | ug/L | 58.8 | 17.6 | 10 | | 10/18/19 11:55 | 96-12-8 | |
| Dibromochloromethane | <26.0 | ug/L | 86.7 | 26.0 | 10 | | 10/18/19 11:55 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | <8.3 | ug/L | 27.6 | 8.3 | 10 | | 10/18/19 11:55 | 106-93-4 | |
| Dibromomethane | <9.4 | ug/L | 31.2 | 9.4 | 10 | | 10/18/19 11:55 | 74-95-3 | |
| 1,2-Dichlorobenzene | <7.1 | ug/L | 23.5 | 7.1 | 10 | | 10/18/19 11:55 | 95-50-1 | |
| 1,3-Dichlorobenzene | <6.3 | ug/L | 20.9 | 6.3 | 10 | | 10/18/19 11:55 | 541-73-1 | |
| 1,4-Dichlorobenzene | <9.4 | ug/L | 31.5 | 9.4 | 10 | | 10/18/19 11:55 | 106-46-7 | |
| Dichlorodifluoromethane | <5.0 | ug/L | 50.0 | 5.0 | 10 | | 10/18/19 11:55 | 75-71-8 | |
| 1,1-Dichloroethane | <2.7 | ug/L | 10.0 | 2.7 | 10 | | 10/18/19 11:55 | 75-34-3 | |
| 1,2-Dichloroethane | <2.8 | ug/L | 10.0 | 2.8 | 10 | | 10/18/19 11:55 | 107-06-2 | |
| 1,1-Dichloroethene | <2.4 | ug/L | 10.0 | 2.4 | 10 | | 10/18/19 11:55 | 75-35-4 | |
| cis-1,2-Dichloroethene | 612 | ug/L | 10.0 | 2.7 | 10 | | 10/18/19 11:55 | 156-59-2 | |
| trans-1,2-Dichloroethene | 12.2J | ug/L | 36.4 | 10.9 | 10 | | 10/18/19 11:55 | 156-60-5 | |
| 1,2-Dichloropropane | <2.8 | ug/L | 10.0 | 2.8 | 10 | | 10/18/19 11:55 | 78-87-5 | |
| 1,3-Dichloropropane | <8.3 | ug/L | 27.5 | 8.3 | 10 | | 10/18/19 11:55 | 142-28-9 | |
| 2,2-Dichloropropane | <22.7 | ug/L | 75.5 | 22.7 | 10 | | 10/18/19 11:55 | 594-20-7 | |
| 1,1-Dichloropropene | <5.4 | ug/L | 18.0 | 5.4 | 10 | | 10/18/19 11:55 | 563-58-6 | |
| cis-1,3-Dichloropropene | <36.3 | ug/L | 121 | 36.3 | 10 | | 10/18/19 11:55 | 10061-01-5 | |
| trans-1,3-Dichloropropene | <43.7 | ug/L | 146 | 43.7 | 10 | | 10/18/19 11:55 | 10061-02-6 | |
| Diisopropyl ether | <18.9 | ug/L | 62.9 | 18.9 | 10 | | 10/18/19 11:55 | 108-20-3 | |
| Ethylbenzene | <2.2 | ug/L | 10.0 | 2.2 | 10 | | 10/18/19 11:55 | 100-41-4 | |
| Hexachloro-1,3-butadiene | <11.8 | ug/L | 50.0 | 11.8 | 10 | | 10/18/19 11:55 | 87-68-3 | |
| Isopropylbenzene (Cumene) | <3.9 | ug/L | 50.0 | 3.9 | 10 | | 10/18/19 11:55 | 98-82-8 | |
| p-Isopropyltoluene | <8.0 | ug/L | 26.7 | 8.0 | 10 | | 10/18/19 11:55 | 99-87-6 | |
| Methylene Chloride | <5.8 | ug/L | 50.0 | 5.8 | 10 | | 10/18/19 11:55 | 75-09-2 | |
| Methyl-tert-butyl ether | <12.5 | ug/L | 41.5 | 12.5 | 10 | | 10/18/19 11:55 | 1634-04-4 | |
| Naphthalene | <11.8 | ug/L | 50.0 | 11.8 | 10 | | 10/18/19 11:55 | 91-20-3 | |
| n-Propylbenzene | <8.1 | ug/L | 50.0 | 8.1 | 10 | | 10/18/19 11:55 | 103-65-1 | |
| Styrene | <4.7 | ug/L | 15.5 | 4.7 | 10 | | 10/18/19 11:55 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | <2.7 | ug/L | 10.0 | 2.7 | 10 | | 10/18/19 11:55 | 630-20-6 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1690004905 EXPRESS CLEANER(FMR)

Pace Project No.: 40197377

Sample: MW-9 **Lab ID: 40197377006** Collected: 10/14/19 14:45 Received: 10/16/19 09:05 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|---------------------------|---------|-----------------------------|--------|------|----|----------|----------------|-------------|------|
| 8260 MSV | | Analytical Method: EPA 8260 | | | | | | | |
| 1,1,2,2-Tetrachloroethane | <2.8 | ug/L | 10.0 | 2.8 | 10 | | 10/18/19 11:55 | 79-34-5 | |
| Tetrachloroethene | 10.9 | ug/L | 10.9 | 3.3 | 10 | | 10/18/19 11:55 | 127-18-4 | |
| Toluene | <1.7 | ug/L | 50.0 | 1.7 | 10 | | 10/18/19 11:55 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | <6.3 | ug/L | 50.0 | 6.3 | 10 | | 10/18/19 11:55 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | <9.5 | ug/L | 50.0 | 9.5 | 10 | | 10/18/19 11:55 | 120-82-1 | |
| 1,1,1-Trichloroethane | <2.4 | ug/L | 10.0 | 2.4 | 10 | | 10/18/19 11:55 | 71-55-6 | |
| 1,1,2-Trichloroethane | <5.5 | ug/L | 50.0 | 5.5 | 10 | | 10/18/19 11:55 | 79-00-5 | |
| Trichloroethene | 10.9 | ug/L | 10.0 | 2.6 | 10 | | 10/18/19 11:55 | 79-01-6 | |
| Trichlorofluoromethane | <2.1 | ug/L | 10.0 | 2.1 | 10 | | 10/18/19 11:55 | 75-69-4 | |
| 1,2,3-Trichloropropane | <5.9 | ug/L | 50.0 | 5.9 | 10 | | 10/18/19 11:55 | 96-18-4 | |
| 1,2,4-Trimethylbenzene | <8.4 | ug/L | 28.0 | 8.4 | 10 | | 10/18/19 11:55 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | <8.7 | ug/L | 29.1 | 8.7 | 10 | | 10/18/19 11:55 | 108-67-8 | |
| Vinyl chloride | 9.0J | ug/L | 10.0 | 1.7 | 10 | | 10/18/19 11:55 | 75-01-4 | |
| Xylene (Total) | <15.0 | ug/L | 30.0 | 15.0 | 10 | | 10/18/19 11:55 | 1330-20-7 | |
| m&p-Xylene | <4.7 | ug/L | 20.0 | 4.7 | 10 | | 10/18/19 11:55 | 179601-23-1 | |
| o-Xylene | <2.6 | ug/L | 10.0 | 2.6 | 10 | | 10/18/19 11:55 | 95-47-6 | |
| Surrogates | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 93 | % | 70-130 | | 10 | | 10/18/19 11:55 | 460-00-4 | |
| Dibromofluoromethane (S) | 104 | % | 70-130 | | 10 | | 10/18/19 11:55 | 1868-53-7 | |
| Toluene-d8 (S) | 98 | % | 70-130 | | 10 | | 10/18/19 11:55 | 2037-26-5 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1690004905 EXPRESS CLEANER(FMR)

Pace Project No.: 40197377

Sample: MW-9 DUP **Lab ID: 40197377007** Collected: 10/14/19 14:45 Received: 10/16/19 09:05 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|-----------------------------|---------|-----------------------------|------|------|----|----------|----------------|------------|------|
| 8260 MSV | | Analytical Method: EPA 8260 | | | | | | | |
| Benzene | <0.25 | ug/L | 1.0 | 0.25 | 1 | | 10/18/19 10:47 | 71-43-2 | |
| Bromobenzene | <0.24 | ug/L | 1.0 | 0.24 | 1 | | 10/18/19 10:47 | 108-86-1 | |
| Bromochloromethane | <0.36 | ug/L | 5.0 | 0.36 | 1 | | 10/18/19 10:47 | 74-97-5 | |
| Bromodichloromethane | <0.36 | ug/L | 1.2 | 0.36 | 1 | | 10/18/19 10:47 | 75-27-4 | |
| Bromoform | <4.0 | ug/L | 13.2 | 4.0 | 1 | | 10/18/19 10:47 | 75-25-2 | |
| Bromomethane | <0.97 | ug/L | 5.0 | 0.97 | 1 | | 10/18/19 10:47 | 74-83-9 | |
| n-Butylbenzene | <0.71 | ug/L | 2.4 | 0.71 | 1 | | 10/18/19 10:47 | 104-51-8 | |
| sec-Butylbenzene | <0.85 | ug/L | 5.0 | 0.85 | 1 | | 10/18/19 10:47 | 135-98-8 | |
| tert-Butylbenzene | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 10/18/19 10:47 | 98-06-6 | |
| Carbon tetrachloride | <0.17 | ug/L | 1.0 | 0.17 | 1 | | 10/18/19 10:47 | 56-23-5 | |
| Chlorobenzene | <0.71 | ug/L | 2.4 | 0.71 | 1 | | 10/18/19 10:47 | 108-90-7 | |
| Chloroethane | <1.3 | ug/L | 5.0 | 1.3 | 1 | | 10/18/19 10:47 | 75-00-3 | |
| Chloroform | <1.3 | ug/L | 5.0 | 1.3 | 1 | | 10/18/19 10:47 | 67-66-3 | |
| Chloromethane | <2.2 | ug/L | 7.3 | 2.2 | 1 | | 10/18/19 10:47 | 74-87-3 | |
| 2-Chlorotoluene | <0.93 | ug/L | 5.0 | 0.93 | 1 | | 10/18/19 10:47 | 95-49-8 | |
| 4-Chlorotoluene | <0.76 | ug/L | 2.5 | 0.76 | 1 | | 10/18/19 10:47 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | <1.8 | ug/L | 5.9 | 1.8 | 1 | | 10/18/19 10:47 | 96-12-8 | |
| Dibromochloromethane | <2.6 | ug/L | 8.7 | 2.6 | 1 | | 10/18/19 10:47 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | <0.83 | ug/L | 2.8 | 0.83 | 1 | | 10/18/19 10:47 | 106-93-4 | |
| Dibromomethane | <0.94 | ug/L | 3.1 | 0.94 | 1 | | 10/18/19 10:47 | 74-95-3 | |
| 1,2-Dichlorobenzene | <0.71 | ug/L | 2.4 | 0.71 | 1 | | 10/18/19 10:47 | 95-50-1 | |
| 1,3-Dichlorobenzene | <0.63 | ug/L | 2.1 | 0.63 | 1 | | 10/18/19 10:47 | 541-73-1 | |
| 1,4-Dichlorobenzene | <0.94 | ug/L | 3.1 | 0.94 | 1 | | 10/18/19 10:47 | 106-46-7 | |
| Dichlorodifluoromethane | <0.50 | ug/L | 5.0 | 0.50 | 1 | | 10/18/19 10:47 | 75-71-8 | |
| 1,1-Dichloroethane | <0.27 | ug/L | 1.0 | 0.27 | 1 | | 10/18/19 10:47 | 75-34-3 | |
| 1,2-Dichloroethane | <0.28 | ug/L | 1.0 | 0.28 | 1 | | 10/18/19 10:47 | 107-06-2 | |
| 1,1-Dichloroethene | <0.24 | ug/L | 1.0 | 0.24 | 1 | | 10/18/19 10:47 | 75-35-4 | |
| cis-1,2-Dichloroethene | 629 | ug/L | 10.0 | 2.7 | 10 | | 10/18/19 12:17 | 156-59-2 | |
| trans-1,2-Dichloroethene | 11.3 | ug/L | 3.6 | 1.1 | 1 | | 10/18/19 10:47 | 156-60-5 | |
| 1,2-Dichloropropane | <0.28 | ug/L | 1.0 | 0.28 | 1 | | 10/18/19 10:47 | 78-87-5 | |
| 1,3-Dichloropropane | <0.83 | ug/L | 2.8 | 0.83 | 1 | | 10/18/19 10:47 | 142-28-9 | |
| 2,2-Dichloropropane | <2.3 | ug/L | 7.6 | 2.3 | 1 | | 10/18/19 10:47 | 594-20-7 | |
| 1,1-Dichloropropene | <0.54 | ug/L | 1.8 | 0.54 | 1 | | 10/18/19 10:47 | 563-58-6 | |
| cis-1,3-Dichloropropene | <3.6 | ug/L | 12.1 | 3.6 | 1 | | 10/18/19 10:47 | 10061-01-5 | |
| trans-1,3-Dichloropropene | <4.4 | ug/L | 14.6 | 4.4 | 1 | | 10/18/19 10:47 | 10061-02-6 | |
| Diisopropyl ether | <1.9 | ug/L | 6.3 | 1.9 | 1 | | 10/18/19 10:47 | 108-20-3 | |
| Ethylbenzene | <0.22 | ug/L | 1.0 | 0.22 | 1 | | 10/18/19 10:47 | 100-41-4 | |
| Hexachloro-1,3-butadiene | <1.2 | ug/L | 5.0 | 1.2 | 1 | | 10/18/19 10:47 | 87-68-3 | |
| Isopropylbenzene (Cumene) | <0.39 | ug/L | 5.0 | 0.39 | 1 | | 10/18/19 10:47 | 98-82-8 | |
| p-Isopropyltoluene | <0.80 | ug/L | 2.7 | 0.80 | 1 | | 10/18/19 10:47 | 99-87-6 | |
| Methylene Chloride | <0.58 | ug/L | 5.0 | 0.58 | 1 | | 10/18/19 10:47 | 75-09-2 | |
| Methyl-tert-butyl ether | <1.2 | ug/L | 4.2 | 1.2 | 1 | | 10/18/19 10:47 | 1634-04-4 | |
| Naphthalene | <1.2 | ug/L | 5.0 | 1.2 | 1 | | 10/18/19 10:47 | 91-20-3 | |
| n-Propylbenzene | <0.81 | ug/L | 5.0 | 0.81 | 1 | | 10/18/19 10:47 | 103-65-1 | |
| Styrene | <0.47 | ug/L | 1.6 | 0.47 | 1 | | 10/18/19 10:47 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | <0.27 | ug/L | 1.0 | 0.27 | 1 | | 10/18/19 10:47 | 630-20-6 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1690004905 EXPRESS CLEANER(FMR)

Pace Project No.: 40197377

Sample: MW-9 DUP **Lab ID: 40197377007** Collected: 10/14/19 14:45 Received: 10/16/19 09:05 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|-------|--------|------|----|----------|----------------|-------------|------|
| 8260 MSV Analytical Method: EPA 8260 | | | | | | | | | |
| 1,1,2,2-Tetrachloroethane | <0.28 | ug/L | 1.0 | 0.28 | 1 | | 10/18/19 10:47 | 79-34-5 | |
| Tetrachloroethene | 10.9 | ug/L | 1.1 | 0.33 | 1 | | 10/18/19 10:47 | 127-18-4 | |
| Toluene | <0.17 | ug/L | 5.0 | 0.17 | 1 | | 10/18/19 10:47 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | <0.63 | ug/L | 5.0 | 0.63 | 1 | | 10/18/19 10:47 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | <0.95 | ug/L | 5.0 | 0.95 | 1 | | 10/18/19 10:47 | 120-82-1 | |
| 1,1,1-Trichloroethane | <0.24 | ug/L | 1.0 | 0.24 | 1 | | 10/18/19 10:47 | 71-55-6 | |
| 1,1,2-Trichloroethane | <0.55 | ug/L | 5.0 | 0.55 | 1 | | 10/18/19 10:47 | 79-00-5 | |
| Trichloroethene | 11.5 | ug/L | 1.0 | 0.26 | 1 | | 10/18/19 10:47 | 79-01-6 | |
| Trichlorofluoromethane | <0.21 | ug/L | 1.0 | 0.21 | 1 | | 10/18/19 10:47 | 75-69-4 | |
| 1,2,3-Trichloropropane | <0.59 | ug/L | 5.0 | 0.59 | 1 | | 10/18/19 10:47 | 96-18-4 | |
| 1,2,4-Trimethylbenzene | <0.84 | ug/L | 2.8 | 0.84 | 1 | | 10/18/19 10:47 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | <0.87 | ug/L | 2.9 | 0.87 | 1 | | 10/18/19 10:47 | 108-67-8 | |
| Vinyl chloride | 9.9 | ug/L | 1.0 | 0.17 | 1 | | 10/18/19 10:47 | 75-01-4 | |
| Xylene (Total) | <1.5 | ug/L | 3.0 | 1.5 | 1 | | 10/18/19 10:47 | 1330-20-7 | |
| m&p-Xylene | <0.47 | ug/L | 2.0 | 0.47 | 1 | | 10/18/19 10:47 | 179601-23-1 | |
| o-Xylene | <0.26 | ug/L | 1.0 | 0.26 | 1 | | 10/18/19 10:47 | 95-47-6 | |
| Surrogates | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 94 | % | 70-130 | | 1 | | 10/18/19 10:47 | 460-00-4 | |
| Dibromofluoromethane (S) | 102 | % | 70-130 | | 1 | | 10/18/19 10:47 | 1868-53-7 | |
| Toluene-d8 (S) | 98 | % | 70-130 | | 1 | | 10/18/19 10:47 | 2037-26-5 | |

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ANALYTICAL RESULTS

Project: 1690004905 EXPRESS CLEANER(FMR)

Pace Project No.: 40197377

Sample: MW-1 **Lab ID: 40197377008** Collected: 10/14/19 15:15 Received: 10/16/19 09:05 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|-----------------------------|---------|-----------------------------|------|------|----|----------|----------------|------------|------|
| 8260 MSV | | Analytical Method: EPA 8260 | | | | | | | |
| Benzene | <12.3 | ug/L | 50.0 | 12.3 | 50 | | 10/18/19 08:55 | 71-43-2 | |
| Bromobenzene | <12.1 | ug/L | 50.0 | 12.1 | 50 | | 10/18/19 08:55 | 108-86-1 | |
| Bromochloromethane | <18.1 | ug/L | 250 | 18.1 | 50 | | 10/18/19 08:55 | 74-97-5 | |
| Bromodichloromethane | <18.2 | ug/L | 60.6 | 18.2 | 50 | | 10/18/19 08:55 | 75-27-4 | |
| Bromoform | <199 | ug/L | 662 | 199 | 50 | | 10/18/19 08:55 | 75-25-2 | |
| Bromomethane | <48.6 | ug/L | 250 | 48.6 | 50 | | 10/18/19 08:55 | 74-83-9 | |
| n-Butylbenzene | <35.4 | ug/L | 118 | 35.4 | 50 | | 10/18/19 08:55 | 104-51-8 | |
| sec-Butylbenzene | <42.4 | ug/L | 250 | 42.4 | 50 | | 10/18/19 08:55 | 135-98-8 | |
| tert-Butylbenzene | <15.2 | ug/L | 50.6 | 15.2 | 50 | | 10/18/19 08:55 | 98-06-6 | |
| Carbon tetrachloride | <8.3 | ug/L | 50.0 | 8.3 | 50 | | 10/18/19 08:55 | 56-23-5 | |
| Chlorobenzene | <35.5 | ug/L | 118 | 35.5 | 50 | | 10/18/19 08:55 | 108-90-7 | |
| Chloroethane | <67.1 | ug/L | 250 | 67.1 | 50 | | 10/18/19 08:55 | 75-00-3 | |
| Chloroform | <63.7 | ug/L | 250 | 63.7 | 50 | | 10/18/19 08:55 | 67-66-3 | |
| Chloromethane | <109 | ug/L | 365 | 109 | 50 | | 10/18/19 08:55 | 74-87-3 | |
| 2-Chlorotoluene | <46.3 | ug/L | 250 | 46.3 | 50 | | 10/18/19 08:55 | 95-49-8 | |
| 4-Chlorotoluene | <37.8 | ug/L | 126 | 37.8 | 50 | | 10/18/19 08:55 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | <88.2 | ug/L | 294 | 88.2 | 50 | | 10/18/19 08:55 | 96-12-8 | |
| Dibromochloromethane | <130 | ug/L | 434 | 130 | 50 | | 10/18/19 08:55 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | <41.5 | ug/L | 138 | 41.5 | 50 | | 10/18/19 08:55 | 106-93-4 | |
| Dibromomethane | <46.8 | ug/L | 156 | 46.8 | 50 | | 10/18/19 08:55 | 74-95-3 | |
| 1,2-Dichlorobenzene | <35.3 | ug/L | 118 | 35.3 | 50 | | 10/18/19 08:55 | 95-50-1 | |
| 1,3-Dichlorobenzene | <31.4 | ug/L | 105 | 31.4 | 50 | | 10/18/19 08:55 | 541-73-1 | |
| 1,4-Dichlorobenzene | <47.2 | ug/L | 157 | 47.2 | 50 | | 10/18/19 08:55 | 106-46-7 | |
| Dichlorodifluoromethane | <25.0 | ug/L | 250 | 25.0 | 50 | | 10/18/19 08:55 | 75-71-8 | |
| 1,1-Dichloroethane | <13.6 | ug/L | 50.0 | 13.6 | 50 | | 10/18/19 08:55 | 75-34-3 | |
| 1,2-Dichloroethane | <14.0 | ug/L | 50.0 | 14.0 | 50 | | 10/18/19 08:55 | 107-06-2 | |
| 1,1-Dichloroethene | <12.2 | ug/L | 50.0 | 12.2 | 50 | | 10/18/19 08:55 | 75-35-4 | |
| cis-1,2-Dichloroethene | 3150 | ug/L | 50.0 | 13.6 | 50 | | 10/18/19 08:55 | 156-59-2 | |
| trans-1,2-Dichloroethene | 73.9J | ug/L | 182 | 54.5 | 50 | | 10/18/19 08:55 | 156-60-5 | |
| 1,2-Dichloropropane | <14.1 | ug/L | 50.0 | 14.1 | 50 | | 10/18/19 08:55 | 78-87-5 | |
| 1,3-Dichloropropane | <41.3 | ug/L | 138 | 41.3 | 50 | | 10/18/19 08:55 | 142-28-9 | |
| 2,2-Dichloropropane | <113 | ug/L | 378 | 113 | 50 | | 10/18/19 08:55 | 594-20-7 | |
| 1,1-Dichloropropene | <27.0 | ug/L | 90.0 | 27.0 | 50 | | 10/18/19 08:55 | 563-58-6 | |
| cis-1,3-Dichloropropene | <181 | ug/L | 605 | 181 | 50 | | 10/18/19 08:55 | 10061-01-5 | |
| trans-1,3-Dichloropropene | <219 | ug/L | 728 | 219 | 50 | | 10/18/19 08:55 | 10061-02-6 | |
| Diisopropyl ether | <94.4 | ug/L | 315 | 94.4 | 50 | | 10/18/19 08:55 | 108-20-3 | |
| Ethylbenzene | <10.9 | ug/L | 50.0 | 10.9 | 50 | | 10/18/19 08:55 | 100-41-4 | |
| Hexachloro-1,3-butadiene | <59.1 | ug/L | 250 | 59.1 | 50 | | 10/18/19 08:55 | 87-68-3 | |
| Isopropylbenzene (Cumene) | <19.6 | ug/L | 250 | 19.6 | 50 | | 10/18/19 08:55 | 98-82-8 | |
| p-Isopropyltoluene | <40.0 | ug/L | 133 | 40.0 | 50 | | 10/18/19 08:55 | 99-87-6 | |
| Methylene Chloride | <29.0 | ug/L | 250 | 29.0 | 50 | | 10/18/19 08:55 | 75-09-2 | |
| Methyl-tert-butyl ether | <62.3 | ug/L | 208 | 62.3 | 50 | | 10/18/19 08:55 | 1634-04-4 | |
| Naphthalene | <58.8 | ug/L | 250 | 58.8 | 50 | | 10/18/19 08:55 | 91-20-3 | |
| n-Propylbenzene | <40.5 | ug/L | 250 | 40.5 | 50 | | 10/18/19 08:55 | 103-65-1 | |
| Styrene | <23.3 | ug/L | 77.6 | 23.3 | 50 | | 10/18/19 08:55 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | <13.5 | ug/L | 50.0 | 13.5 | 50 | | 10/18/19 08:55 | 630-20-6 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1690004905 EXPRESS CLEANER(FMR)

Pace Project No.: 40197377

Sample: MW-1 **Lab ID: 40197377008** Collected: 10/14/19 15:15 Received: 10/16/19 09:05 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|-------|--------|------|----|----------|----------------|-------------|------|
| 8260 MSV Analytical Method: EPA 8260 | | | | | | | | | |
| 1,1,2,2-Tetrachloroethane | <13.8 | ug/L | 50.0 | 13.8 | 50 | | 10/18/19 08:55 | 79-34-5 | |
| Tetrachloroethene | 58.1 | ug/L | 54.4 | 16.3 | 50 | | 10/18/19 08:55 | 127-18-4 | |
| Toluene | <8.6 | ug/L | 250 | 8.6 | 50 | | 10/18/19 08:55 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | <31.3 | ug/L | 250 | 31.3 | 50 | | 10/18/19 08:55 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | <47.6 | ug/L | 250 | 47.6 | 50 | | 10/18/19 08:55 | 120-82-1 | |
| 1,1,1-Trichloroethane | <12.2 | ug/L | 50.0 | 12.2 | 50 | | 10/18/19 08:55 | 71-55-6 | |
| 1,1,2-Trichloroethane | <27.6 | ug/L | 250 | 27.6 | 50 | | 10/18/19 08:55 | 79-00-5 | |
| Trichloroethene | 55.5 | ug/L | 50.0 | 12.8 | 50 | | 10/18/19 08:55 | 79-01-6 | |
| Trichlorofluoromethane | <10.7 | ug/L | 50.0 | 10.7 | 50 | | 10/18/19 08:55 | 75-69-4 | |
| 1,2,3-Trichloropropane | <29.5 | ug/L | 250 | 29.5 | 50 | | 10/18/19 08:55 | 96-18-4 | |
| 1,2,4-Trimethylbenzene | <42.0 | ug/L | 140 | 42.0 | 50 | | 10/18/19 08:55 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | <43.7 | ug/L | 146 | 43.7 | 50 | | 10/18/19 08:55 | 108-67-8 | |
| Vinyl chloride | 367 | ug/L | 50.0 | 8.7 | 50 | | 10/18/19 08:55 | 75-01-4 | |
| Xylene (Total) | <75.0 | ug/L | 150 | 75.0 | 50 | | 10/18/19 08:55 | 1330-20-7 | |
| m&p-Xylene | <23.3 | ug/L | 100 | 23.3 | 50 | | 10/18/19 08:55 | 179601-23-1 | |
| o-Xylene | <13.1 | ug/L | 50.0 | 13.1 | 50 | | 10/18/19 08:55 | 95-47-6 | |
| Surrogates | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 93 | % | 70-130 | | 50 | | 10/18/19 08:55 | 460-00-4 | |
| Dibromofluoromethane (S) | 102 | % | 70-130 | | 50 | | 10/18/19 08:55 | 1868-53-7 | |
| Toluene-d8 (S) | 98 | % | 70-130 | | 50 | | 10/18/19 08:55 | 2037-26-5 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1690004905 EXPRESS CLEANER(FMR)

Pace Project No.: 40197377

Sample: PZ-1 **Lab ID: 40197377009** Collected: 10/15/19 08:45 Received: 10/16/19 09:05 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|-----------------------------|---------|-----------------------------|------|------|----|----------|----------------|------------|------|
| 8260 MSV | | Analytical Method: EPA 8260 | | | | | | | |
| Benzene | <0.25 | ug/L | 1.0 | 0.25 | 1 | | 10/18/19 13:02 | 71-43-2 | |
| Bromobenzene | <0.24 | ug/L | 1.0 | 0.24 | 1 | | 10/18/19 13:02 | 108-86-1 | |
| Bromochloromethane | <0.36 | ug/L | 5.0 | 0.36 | 1 | | 10/18/19 13:02 | 74-97-5 | |
| Bromodichloromethane | <0.36 | ug/L | 1.2 | 0.36 | 1 | | 10/18/19 13:02 | 75-27-4 | |
| Bromoform | <4.0 | ug/L | 13.2 | 4.0 | 1 | | 10/18/19 13:02 | 75-25-2 | |
| Bromomethane | <0.97 | ug/L | 5.0 | 0.97 | 1 | | 10/18/19 13:02 | 74-83-9 | |
| n-Butylbenzene | <0.71 | ug/L | 2.4 | 0.71 | 1 | | 10/18/19 13:02 | 104-51-8 | |
| sec-Butylbenzene | <0.85 | ug/L | 5.0 | 0.85 | 1 | | 10/18/19 13:02 | 135-98-8 | |
| tert-Butylbenzene | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 10/18/19 13:02 | 98-06-6 | |
| Carbon tetrachloride | <0.17 | ug/L | 1.0 | 0.17 | 1 | | 10/18/19 13:02 | 56-23-5 | |
| Chlorobenzene | <0.71 | ug/L | 2.4 | 0.71 | 1 | | 10/18/19 13:02 | 108-90-7 | |
| Chloroethane | <1.3 | ug/L | 5.0 | 1.3 | 1 | | 10/18/19 13:02 | 75-00-3 | |
| Chloroform | <1.3 | ug/L | 5.0 | 1.3 | 1 | | 10/18/19 13:02 | 67-66-3 | |
| Chloromethane | <2.2 | ug/L | 7.3 | 2.2 | 1 | | 10/18/19 13:02 | 74-87-3 | |
| 2-Chlorotoluene | <0.93 | ug/L | 5.0 | 0.93 | 1 | | 10/18/19 13:02 | 95-49-8 | |
| 4-Chlorotoluene | <0.76 | ug/L | 2.5 | 0.76 | 1 | | 10/18/19 13:02 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | <1.8 | ug/L | 5.9 | 1.8 | 1 | | 10/18/19 13:02 | 96-12-8 | |
| Dibromochloromethane | <2.6 | ug/L | 8.7 | 2.6 | 1 | | 10/18/19 13:02 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | <0.83 | ug/L | 2.8 | 0.83 | 1 | | 10/18/19 13:02 | 106-93-4 | |
| Dibromomethane | <0.94 | ug/L | 3.1 | 0.94 | 1 | | 10/18/19 13:02 | 74-95-3 | |
| 1,2-Dichlorobenzene | <0.71 | ug/L | 2.4 | 0.71 | 1 | | 10/18/19 13:02 | 95-50-1 | |
| 1,3-Dichlorobenzene | <0.63 | ug/L | 2.1 | 0.63 | 1 | | 10/18/19 13:02 | 541-73-1 | |
| 1,4-Dichlorobenzene | <0.94 | ug/L | 3.1 | 0.94 | 1 | | 10/18/19 13:02 | 106-46-7 | |
| Dichlorodifluoromethane | <0.50 | ug/L | 5.0 | 0.50 | 1 | | 10/18/19 13:02 | 75-71-8 | |
| 1,1-Dichloroethane | <0.27 | ug/L | 1.0 | 0.27 | 1 | | 10/18/19 13:02 | 75-34-3 | |
| 1,2-Dichloroethane | <0.28 | ug/L | 1.0 | 0.28 | 1 | | 10/18/19 13:02 | 107-06-2 | |
| 1,1-Dichloroethene | <0.24 | ug/L | 1.0 | 0.24 | 1 | | 10/18/19 13:02 | 75-35-4 | |
| cis-1,2-Dichloroethene | 4.2 | ug/L | 1.0 | 0.27 | 1 | | 10/18/19 13:02 | 156-59-2 | |
| trans-1,2-Dichloroethene | <1.1 | ug/L | 3.6 | 1.1 | 1 | | 10/18/19 13:02 | 156-60-5 | |
| 1,2-Dichloropropane | <0.28 | ug/L | 1.0 | 0.28 | 1 | | 10/18/19 13:02 | 78-87-5 | |
| 1,3-Dichloropropane | <0.83 | ug/L | 2.8 | 0.83 | 1 | | 10/18/19 13:02 | 142-28-9 | |
| 2,2-Dichloropropane | <2.3 | ug/L | 7.6 | 2.3 | 1 | | 10/18/19 13:02 | 594-20-7 | |
| 1,1-Dichloropropene | <0.54 | ug/L | 1.8 | 0.54 | 1 | | 10/18/19 13:02 | 563-58-6 | |
| cis-1,3-Dichloropropene | <3.6 | ug/L | 12.1 | 3.6 | 1 | | 10/18/19 13:02 | 10061-01-5 | |
| trans-1,3-Dichloropropene | <4.4 | ug/L | 14.6 | 4.4 | 1 | | 10/18/19 13:02 | 10061-02-6 | |
| Diisopropyl ether | <1.9 | ug/L | 6.3 | 1.9 | 1 | | 10/18/19 13:02 | 108-20-3 | |
| Ethylbenzene | <0.22 | ug/L | 1.0 | 0.22 | 1 | | 10/18/19 13:02 | 100-41-4 | |
| Hexachloro-1,3-butadiene | <1.2 | ug/L | 5.0 | 1.2 | 1 | | 10/18/19 13:02 | 87-68-3 | |
| Isopropylbenzene (Cumene) | <0.39 | ug/L | 5.0 | 0.39 | 1 | | 10/18/19 13:02 | 98-82-8 | |
| p-Isopropyltoluene | <0.80 | ug/L | 2.7 | 0.80 | 1 | | 10/18/19 13:02 | 99-87-6 | |
| Methylene Chloride | <0.58 | ug/L | 5.0 | 0.58 | 1 | | 10/18/19 13:02 | 75-09-2 | |
| Methyl-tert-butyl ether | <1.2 | ug/L | 4.2 | 1.2 | 1 | | 10/18/19 13:02 | 1634-04-4 | |
| Naphthalene | <1.2 | ug/L | 5.0 | 1.2 | 1 | | 10/18/19 13:02 | 91-20-3 | |
| n-Propylbenzene | <0.81 | ug/L | 5.0 | 0.81 | 1 | | 10/18/19 13:02 | 103-65-1 | |
| Styrene | <0.47 | ug/L | 1.6 | 0.47 | 1 | | 10/18/19 13:02 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | <0.27 | ug/L | 1.0 | 0.27 | 1 | | 10/18/19 13:02 | 630-20-6 | |

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ANALYTICAL RESULTS

Project: 1690004905 EXPRESS CLEANER(FMR)

Pace Project No.: 40197377

Sample: PZ-1 **Lab ID: 40197377009** Collected: 10/15/19 08:45 Received: 10/16/19 09:05 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|---------------------------|---------|-----------------------------|--------|------|----|----------|----------------|-------------|------|
| 8260 MSV | | Analytical Method: EPA 8260 | | | | | | | |
| 1,1,2,2-Tetrachloroethane | <0.28 | ug/L | 1.0 | 0.28 | 1 | | 10/18/19 13:02 | 79-34-5 | |
| Tetrachloroethene | 0.90J | ug/L | 1.1 | 0.33 | 1 | | 10/18/19 13:02 | 127-18-4 | |
| Toluene | <0.17 | ug/L | 5.0 | 0.17 | 1 | | 10/18/19 13:02 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | <0.63 | ug/L | 5.0 | 0.63 | 1 | | 10/18/19 13:02 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | <0.95 | ug/L | 5.0 | 0.95 | 1 | | 10/18/19 13:02 | 120-82-1 | |
| 1,1,1-Trichloroethane | <0.24 | ug/L | 1.0 | 0.24 | 1 | | 10/18/19 13:02 | 71-55-6 | |
| 1,1,2-Trichloroethane | <0.55 | ug/L | 5.0 | 0.55 | 1 | | 10/18/19 13:02 | 79-00-5 | |
| Trichloroethene | 0.28J | ug/L | 1.0 | 0.26 | 1 | | 10/18/19 13:02 | 79-01-6 | |
| Trichlorofluoromethane | <0.21 | ug/L | 1.0 | 0.21 | 1 | | 10/18/19 13:02 | 75-69-4 | |
| 1,2,3-Trichloropropane | <0.59 | ug/L | 5.0 | 0.59 | 1 | | 10/18/19 13:02 | 96-18-4 | |
| 1,2,4-Trimethylbenzene | <0.84 | ug/L | 2.8 | 0.84 | 1 | | 10/18/19 13:02 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | <0.87 | ug/L | 2.9 | 0.87 | 1 | | 10/18/19 13:02 | 108-67-8 | |
| Vinyl chloride | <0.17 | ug/L | 1.0 | 0.17 | 1 | | 10/18/19 13:02 | 75-01-4 | |
| Xylene (Total) | <1.5 | ug/L | 3.0 | 1.5 | 1 | | 10/18/19 13:02 | 1330-20-7 | |
| m&p-Xylene | <0.47 | ug/L | 2.0 | 0.47 | 1 | | 10/18/19 13:02 | 179601-23-1 | |
| o-Xylene | <0.26 | ug/L | 1.0 | 0.26 | 1 | | 10/18/19 13:02 | 95-47-6 | |
| Surrogates | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 93 | % | 70-130 | | 1 | | 10/18/19 13:02 | 460-00-4 | |
| Dibromofluoromethane (S) | 104 | % | 70-130 | | 1 | | 10/18/19 13:02 | 1868-53-7 | |
| Toluene-d8 (S) | 98 | % | 70-130 | | 1 | | 10/18/19 13:02 | 2037-26-5 | |

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ANALYTICAL RESULTS

Project: 1690004905 EXPRESS CLEANER(FMR)

Pace Project No.: 40197377

Sample: MW-3R **Lab ID: 40197377010** Collected: 10/15/19 09:30 Received: 10/16/19 09:05 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|------------------------------------|---------|--|------|------|----|----------------|----------------|------------|------|
| Methane, Ethane, Ethene GCV | | Analytical Method: EPA 8015B Modified | | | | | | | |
| Ethane | 22.8 | ug/L | 5.6 | 1.2 | 1 | | 10/22/19 14:30 | 74-84-0 | |
| Ethene | 40.8 | ug/L | 5.0 | 1.2 | 1 | | 10/22/19 14:30 | 74-85-1 | |
| Methane | 5780 | ug/L | 140 | 33.2 | 50 | | 10/22/19 16:15 | 74-82-8 | |
| 6020 MET ICPMS | | Analytical Method: EPA 6020 Preparation Method: EPA 3010 | | | | | | | |
| Iron | 1520 | ug/L | 250 | 58.0 | 1 | 10/18/19 06:15 | 10/24/19 08:58 | 7439-89-6 | |
| 8260 MSV | | Analytical Method: EPA 8260 | | | | | | | |
| Benzene | <9.9 | ug/L | 40.0 | 9.9 | 40 | | 10/18/19 09:17 | 71-43-2 | |
| Bromobenzene | <9.6 | ug/L | 40.0 | 9.6 | 40 | | 10/18/19 09:17 | 108-86-1 | |
| Bromochloromethane | <14.5 | ug/L | 200 | 14.5 | 40 | | 10/18/19 09:17 | 74-97-5 | |
| Bromodichloromethane | <14.5 | ug/L | 48.5 | 14.5 | 40 | | 10/18/19 09:17 | 75-27-4 | |
| Bromoform | <159 | ug/L | 530 | 159 | 40 | | 10/18/19 09:17 | 75-25-2 | |
| Bromomethane | <38.9 | ug/L | 200 | 38.9 | 40 | | 10/18/19 09:17 | 74-83-9 | |
| n-Butylbenzene | <28.3 | ug/L | 94.4 | 28.3 | 40 | | 10/18/19 09:17 | 104-51-8 | |
| sec-Butylbenzene | <33.9 | ug/L | 200 | 33.9 | 40 | | 10/18/19 09:17 | 135-98-8 | |
| tert-Butylbenzene | <12.2 | ug/L | 40.5 | 12.2 | 40 | | 10/18/19 09:17 | 98-06-6 | |
| Carbon tetrachloride | <6.6 | ug/L | 40.0 | 6.6 | 40 | | 10/18/19 09:17 | 56-23-5 | |
| Chlorobenzene | <28.4 | ug/L | 94.8 | 28.4 | 40 | | 10/18/19 09:17 | 108-90-7 | |
| Chloroethane | <53.7 | ug/L | 200 | 53.7 | 40 | | 10/18/19 09:17 | 75-00-3 | |
| Chloroform | <51.0 | ug/L | 200 | 51.0 | 40 | | 10/18/19 09:17 | 67-66-3 | |
| Chloromethane | <87.6 | ug/L | 292 | 87.6 | 40 | | 10/18/19 09:17 | 74-87-3 | |
| 2-Chlorotoluene | <37.0 | ug/L | 200 | 37.0 | 40 | | 10/18/19 09:17 | 95-49-8 | |
| 4-Chlorotoluene | <30.3 | ug/L | 101 | 30.3 | 40 | | 10/18/19 09:17 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | <70.5 | ug/L | 235 | 70.5 | 40 | | 10/18/19 09:17 | 96-12-8 | |
| Dibromochloromethane | <104 | ug/L | 347 | 104 | 40 | | 10/18/19 09:17 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | <33.2 | ug/L | 111 | 33.2 | 40 | | 10/18/19 09:17 | 106-93-4 | |
| Dibromomethane | <37.5 | ug/L | 125 | 37.5 | 40 | | 10/18/19 09:17 | 74-95-3 | |
| 1,2-Dichlorobenzene | <28.2 | ug/L | 94.0 | 28.2 | 40 | | 10/18/19 09:17 | 95-50-1 | |
| 1,3-Dichlorobenzene | <25.1 | ug/L | 83.7 | 25.1 | 40 | | 10/18/19 09:17 | 541-73-1 | |
| 1,4-Dichlorobenzene | <37.7 | ug/L | 126 | 37.7 | 40 | | 10/18/19 09:17 | 106-46-7 | |
| Dichlorodifluoromethane | <20.0 | ug/L | 200 | 20.0 | 40 | | 10/18/19 09:17 | 75-71-8 | |
| 1,1-Dichloroethane | <10.9 | ug/L | 40.0 | 10.9 | 40 | | 10/18/19 09:17 | 75-34-3 | |
| 1,2-Dichloroethane | <11.2 | ug/L | 40.0 | 11.2 | 40 | | 10/18/19 09:17 | 107-06-2 | |
| 1,1-Dichloroethene | <9.8 | ug/L | 40.0 | 9.8 | 40 | | 10/18/19 09:17 | 75-35-4 | |
| cis-1,2-Dichloroethene | 1650 | ug/L | 40.0 | 10.8 | 40 | | 10/18/19 09:17 | 156-59-2 | |
| trans-1,2-Dichloroethene | <43.6 | ug/L | 145 | 43.6 | 40 | | 10/18/19 09:17 | 156-60-5 | |
| 1,2-Dichloropropane | <11.3 | ug/L | 40.0 | 11.3 | 40 | | 10/18/19 09:17 | 78-87-5 | |
| 1,3-Dichloropropane | <33.0 | ug/L | 110 | 33.0 | 40 | | 10/18/19 09:17 | 142-28-9 | |
| 2,2-Dichloropropane | <90.6 | ug/L | 302 | 90.6 | 40 | | 10/18/19 09:17 | 594-20-7 | |
| 1,1-Dichloropropene | <21.6 | ug/L | 72.0 | 21.6 | 40 | | 10/18/19 09:17 | 563-58-6 | |
| cis-1,3-Dichloropropene | <145 | ug/L | 484 | 145 | 40 | | 10/18/19 09:17 | 10061-01-5 | |
| trans-1,3-Dichloropropene | <175 | ug/L | 583 | 175 | 40 | | 10/18/19 09:17 | 10061-02-6 | |
| Diisopropyl ether | <75.5 | ug/L | 252 | 75.5 | 40 | | 10/18/19 09:17 | 108-20-3 | |
| Ethylbenzene | <8.7 | ug/L | 40.0 | 8.7 | 40 | | 10/18/19 09:17 | 100-41-4 | |
| Hexachloro-1,3-butadiene | <47.3 | ug/L | 200 | 47.3 | 40 | | 10/18/19 09:17 | 87-68-3 | |

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ANALYTICAL RESULTS

Project: 1690004905 EXPRESS CLEANER(FMR)

Pace Project No.: 40197377

Sample: MW-3R **Lab ID: 40197377010** Collected: 10/15/19 09:30 Received: 10/16/19 09:05 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|--------------------------------------|---------|---------------------------------|--------|-------|-----|----------|----------------|-------------|-------|
| 8260 MSV | | Analytical Method: EPA 8260 | | | | | | | |
| Isopropylbenzene (Cumene) | <15.7 | ug/L | 200 | 15.7 | 40 | | 10/18/19 09:17 | 98-82-8 | |
| p-Isopropyltoluene | <32.0 | ug/L | 107 | 32.0 | 40 | | 10/18/19 09:17 | 99-87-6 | |
| Methylene Chloride | <23.2 | ug/L | 200 | 23.2 | 40 | | 10/18/19 09:17 | 75-09-2 | |
| Methyl-tert-butyl ether | <49.8 | ug/L | 166 | 49.8 | 40 | | 10/18/19 09:17 | 1634-04-4 | |
| Naphthalene | <47.0 | ug/L | 200 | 47.0 | 40 | | 10/18/19 09:17 | 91-20-3 | |
| n-Propylbenzene | <32.4 | ug/L | 200 | 32.4 | 40 | | 10/18/19 09:17 | 103-65-1 | |
| Styrene | <18.6 | ug/L | 62.1 | 18.6 | 40 | | 10/18/19 09:17 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | <10.8 | ug/L | 40.0 | 10.8 | 40 | | 10/18/19 09:17 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | <11.0 | ug/L | 40.0 | 11.0 | 40 | | 10/18/19 09:17 | 79-34-5 | |
| Tetrachloroethene | <13.1 | ug/L | 43.5 | 13.1 | 40 | | 10/18/19 09:17 | 127-18-4 | |
| Toluene | <6.9 | ug/L | 200 | 6.9 | 40 | | 10/18/19 09:17 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | <25.0 | ug/L | 200 | 25.0 | 40 | | 10/18/19 09:17 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | <38.1 | ug/L | 200 | 38.1 | 40 | | 10/18/19 09:17 | 120-82-1 | |
| 1,1,1-Trichloroethane | <9.8 | ug/L | 40.0 | 9.8 | 40 | | 10/18/19 09:17 | 71-55-6 | |
| 1,1,2-Trichloroethane | <22.1 | ug/L | 200 | 22.1 | 40 | | 10/18/19 09:17 | 79-00-5 | |
| Trichloroethene | <10.2 | ug/L | 40.0 | 10.2 | 40 | | 10/18/19 09:17 | 79-01-6 | |
| Trichlorofluoromethane | <8.6 | ug/L | 40.0 | 8.6 | 40 | | 10/18/19 09:17 | 75-69-4 | |
| 1,2,3-Trichloropropane | <23.6 | ug/L | 200 | 23.6 | 40 | | 10/18/19 09:17 | 96-18-4 | |
| 1,2,4-Trimethylbenzene | <33.6 | ug/L | 112 | 33.6 | 40 | | 10/18/19 09:17 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | <34.9 | ug/L | 116 | 34.9 | 40 | | 10/18/19 09:17 | 108-67-8 | |
| Vinyl chloride | 15.4J | ug/L | 40.0 | 7.0 | 40 | | 10/18/19 09:17 | 75-01-4 | |
| Xylene (Total) | <60.0 | ug/L | 120 | 60.0 | 40 | | 10/18/19 09:17 | 1330-20-7 | |
| m&p-Xylene | <18.6 | ug/L | 80.0 | 18.6 | 40 | | 10/18/19 09:17 | 179601-23-1 | |
| o-Xylene | <10.5 | ug/L | 40.0 | 10.5 | 40 | | 10/18/19 09:17 | 95-47-6 | |
| Surrogates | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 95 | % | 70-130 | | 40 | | 10/18/19 09:17 | 460-00-4 | |
| Dibromofluoromethane (S) | 103 | % | 70-130 | | 40 | | 10/18/19 09:17 | 1868-53-7 | |
| Toluene-d8 (S) | 98 | % | 70-130 | | 40 | | 10/18/19 09:17 | 2037-26-5 | |
| 300.0 IC Anions | | Analytical Method: EPA 300.0 | | | | | | | |
| Sulfate | <10.0 | mg/L | 30.0 | 10.0 | 10 | | 10/25/19 18:04 | 14808-79-8 | D3 |
| 3500FE B Iron, Ferrous | | Analytical Method: SM 3500-Fe B | | | | | | | |
| Iron, Ferrous | 4.2 | mg/L | 0.80 | 0.36 | 10 | | 10/29/19 14:18 | 15438-31-0 | H6,N2 |
| 353.2 Nitrogen, NO2/NO3 pres. | | Analytical Method: EPA 353.2 | | | | | | | |
| Nitrogen, NO2 plus NO3 | <0.095 | mg/L | 0.25 | 0.095 | 1 | | 10/22/19 13:39 | | |
| 5310C TOC | | Analytical Method: SM 5310C | | | | | | | |
| Total Organic Carbon | 382 | mg/L | 84.0 | 25.2 | 100 | | 10/23/19 14:34 | 7440-44-0 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1690004905 EXPRESS CLEANER(FMR)

Pace Project No.: 40197377

Sample: MW-8 **Lab ID: 40197377011** Collected: 10/15/19 10:30 Received: 10/16/19 09:05 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|------------------------------------|-----------------|--|------|------|----|----------------|----------------|------------|------|
| Methane, Ethane, Ethene GCV | | Analytical Method: EPA 8015B Modified | | | | | | | |
| Ethane | 10.6 | ug/L | 5.6 | 1.2 | 1 | | 10/22/19 14:37 | 74-84-0 | |
| Ethene | 5.8 | ug/L | 5.0 | 1.2 | 1 | | 10/22/19 14:37 | 74-85-1 | |
| Methane | 6080 | ug/L | 112 | 26.6 | 40 | | 10/22/19 16:22 | 74-82-8 | |
| 6020 MET ICPMS | | Analytical Method: EPA 6020 Preparation Method: EPA 3010 | | | | | | | |
| Iron | 6170 | ug/L | 250 | 58.0 | 1 | 10/18/19 06:15 | 10/24/19 09:05 | 7439-89-6 | |
| 8260 MSV | | Analytical Method: EPA 8260 | | | | | | | |
| Benzene | <0.49 | ug/L | 2.0 | 0.49 | 2 | | 10/18/19 15:17 | 71-43-2 | |
| Bromobenzene | <0.48 | ug/L | 2.0 | 0.48 | 2 | | 10/18/19 15:17 | 108-86-1 | |
| Bromochloromethane | <0.72 | ug/L | 10.0 | 0.72 | 2 | | 10/18/19 15:17 | 74-97-5 | |
| Bromodichloromethane | <0.73 | ug/L | 2.4 | 0.73 | 2 | | 10/18/19 15:17 | 75-27-4 | |
| Bromoform | <7.9 | ug/L | 26.5 | 7.9 | 2 | | 10/18/19 15:17 | 75-25-2 | |
| Bromomethane | <1.9 | ug/L | 10.0 | 1.9 | 2 | | 10/18/19 15:17 | 74-83-9 | |
| n-Butylbenzene | <1.4 | ug/L | 4.7 | 1.4 | 2 | | 10/18/19 15:17 | 104-51-8 | |
| sec-Butylbenzene | <1.7 | ug/L | 10.0 | 1.7 | 2 | | 10/18/19 15:17 | 135-98-8 | |
| tert-Butylbenzene | <0.61 | ug/L | 2.0 | 0.61 | 2 | | 10/18/19 15:17 | 98-06-6 | |
| Carbon tetrachloride | <0.33 | ug/L | 2.0 | 0.33 | 2 | | 10/18/19 15:17 | 56-23-5 | |
| Chlorobenzene | <1.4 | ug/L | 4.7 | 1.4 | 2 | | 10/18/19 15:17 | 108-90-7 | |
| Chloroethane | <2.7 | ug/L | 10.0 | 2.7 | 2 | | 10/18/19 15:17 | 75-00-3 | |
| Chloroform | <2.5 | ug/L | 10.0 | 2.5 | 2 | | 10/18/19 15:17 | 67-66-3 | |
| Chloromethane | <4.4 | ug/L | 14.6 | 4.4 | 2 | | 10/18/19 15:17 | 74-87-3 | |
| 2-Chlorotoluene | <1.9 | ug/L | 10.0 | 1.9 | 2 | | 10/18/19 15:17 | 95-49-8 | |
| 4-Chlorotoluene | <1.5 | ug/L | 5.0 | 1.5 | 2 | | 10/18/19 15:17 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | <3.5 | ug/L | 11.8 | 3.5 | 2 | | 10/18/19 15:17 | 96-12-8 | |
| Dibromochloromethane | <5.2 | ug/L | 17.3 | 5.2 | 2 | | 10/18/19 15:17 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | <1.7 | ug/L | 5.5 | 1.7 | 2 | | 10/18/19 15:17 | 106-93-4 | |
| Dibromomethane | <1.9 | ug/L | 6.2 | 1.9 | 2 | | 10/18/19 15:17 | 74-95-3 | |
| 1,2-Dichlorobenzene | <1.4 | ug/L | 4.7 | 1.4 | 2 | | 10/18/19 15:17 | 95-50-1 | |
| 1,3-Dichlorobenzene | <1.3 | ug/L | 4.2 | 1.3 | 2 | | 10/18/19 15:17 | 541-73-1 | |
| 1,4-Dichlorobenzene | <1.9 | ug/L | 6.3 | 1.9 | 2 | | 10/18/19 15:17 | 106-46-7 | |
| Dichlorodifluoromethane | <1.0 | ug/L | 10.0 | 1.0 | 2 | | 10/18/19 15:17 | 75-71-8 | |
| 1,1-Dichloroethane | <0.55 | ug/L | 2.0 | 0.55 | 2 | | 10/18/19 15:17 | 75-34-3 | |
| 1,2-Dichloroethane | <0.56 | ug/L | 2.0 | 0.56 | 2 | | 10/18/19 15:17 | 107-06-2 | |
| 1,1-Dichloroethene | <0.49 | ug/L | 2.0 | 0.49 | 2 | | 10/18/19 15:17 | 75-35-4 | |
| cis-1,2-Dichloroethene | 228 | ug/L | 10.0 | 2.7 | 10 | | 10/21/19 08:50 | 156-59-2 | |
| trans-1,2-Dichloroethene | 15.1 | ug/L | 7.3 | 2.2 | 2 | | 10/18/19 15:17 | 156-60-5 | |
| 1,2-Dichloropropane | <0.57 | ug/L | 2.0 | 0.57 | 2 | | 10/18/19 15:17 | 78-87-5 | |
| 1,3-Dichloropropane | <1.7 | ug/L | 5.5 | 1.7 | 2 | | 10/18/19 15:17 | 142-28-9 | |
| 2,2-Dichloropropane | <4.5 | ug/L | 15.1 | 4.5 | 2 | | 10/18/19 15:17 | 594-20-7 | |
| 1,1-Dichloropropene | <1.1 | ug/L | 3.6 | 1.1 | 2 | | 10/18/19 15:17 | 563-58-6 | |
| cis-1,3-Dichloropropene | <7.3 | ug/L | 24.2 | 7.3 | 2 | | 10/18/19 15:17 | 10061-01-5 | |
| trans-1,3-Dichloropropene | <8.7 | ug/L | 29.1 | 8.7 | 2 | | 10/18/19 15:17 | 10061-02-6 | |
| Diisopropyl ether | <3.8 | ug/L | 12.6 | 3.8 | 2 | | 10/18/19 15:17 | 108-20-3 | |
| Ethylbenzene | <0.44 | ug/L | 2.0 | 0.44 | 2 | | 10/18/19 15:17 | 100-41-4 | |
| Hexachloro-1,3-butadiene | <2.4 | ug/L | 10.0 | 2.4 | 2 | | 10/18/19 15:17 | 87-68-3 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1690004905 EXPRESS CLEANER(FMR)

Pace Project No.: 40197377

Sample: MW-8 Lab ID: 40197377011 Collected: 10/15/19 10:30 Received: 10/16/19 09:05 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|--------------------------------------|---------|---------------------------------|--------|-------|----|----------|----------------|-------------|-------|
| 8260 MSV | | Analytical Method: EPA 8260 | | | | | | | |
| Isopropylbenzene (Cumene) | <0.79 | ug/L | 10.0 | 0.79 | 2 | | 10/18/19 15:17 | 98-82-8 | |
| p-Isopropyltoluene | <1.6 | ug/L | 5.3 | 1.6 | 2 | | 10/18/19 15:17 | 99-87-6 | |
| Methylene Chloride | <1.2 | ug/L | 10.0 | 1.2 | 2 | | 10/18/19 15:17 | 75-09-2 | |
| Methyl-tert-butyl ether | <2.5 | ug/L | 8.3 | 2.5 | 2 | | 10/18/19 15:17 | 1634-04-4 | |
| Naphthalene | <2.4 | ug/L | 10.0 | 2.4 | 2 | | 10/18/19 15:17 | 91-20-3 | |
| n-Propylbenzene | <1.6 | ug/L | 10.0 | 1.6 | 2 | | 10/18/19 15:17 | 103-65-1 | |
| Styrene | <0.93 | ug/L | 3.1 | 0.93 | 2 | | 10/18/19 15:17 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | <0.54 | ug/L | 2.0 | 0.54 | 2 | | 10/18/19 15:17 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | <0.55 | ug/L | 2.0 | 0.55 | 2 | | 10/18/19 15:17 | 79-34-5 | |
| Tetrachloroethene | <0.65 | ug/L | 2.2 | 0.65 | 2 | | 10/18/19 15:17 | 127-18-4 | |
| Toluene | <0.34 | ug/L | 10.0 | 0.34 | 2 | | 10/18/19 15:17 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | <1.3 | ug/L | 10.0 | 1.3 | 2 | | 10/18/19 15:17 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | <1.9 | ug/L | 10.0 | 1.9 | 2 | | 10/18/19 15:17 | 120-82-1 | |
| 1,1,1-Trichloroethane | <0.49 | ug/L | 2.0 | 0.49 | 2 | | 10/18/19 15:17 | 71-55-6 | |
| 1,1,2-Trichloroethane | <1.1 | ug/L | 10.0 | 1.1 | 2 | | 10/18/19 15:17 | 79-00-5 | |
| Trichloroethene | <0.51 | ug/L | 2.0 | 0.51 | 2 | | 10/18/19 15:17 | 79-01-6 | |
| Trichlorofluoromethane | <0.43 | ug/L | 2.0 | 0.43 | 2 | | 10/18/19 15:17 | 75-69-4 | |
| 1,2,3-Trichloropropane | <1.2 | ug/L | 10.0 | 1.2 | 2 | | 10/18/19 15:17 | 96-18-4 | |
| 1,2,4-Trimethylbenzene | <1.7 | ug/L | 5.6 | 1.7 | 2 | | 10/18/19 15:17 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | <1.7 | ug/L | 5.8 | 1.7 | 2 | | 10/18/19 15:17 | 108-67-8 | |
| Vinyl chloride | 2.7 | ug/L | 2.0 | 0.35 | 2 | | 10/18/19 15:17 | 75-01-4 | |
| Xylene (Total) | <3.0 | ug/L | 6.0 | 3.0 | 2 | | 10/18/19 15:17 | 1330-20-7 | |
| m&p-Xylene | <0.93 | ug/L | 4.0 | 0.93 | 2 | | 10/18/19 15:17 | 179601-23-1 | |
| o-Xylene | <0.52 | ug/L | 2.0 | 0.52 | 2 | | 10/18/19 15:17 | 95-47-6 | |
| Surrogates | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 95 | % | 70-130 | | 2 | | 10/18/19 15:17 | 460-00-4 | |
| Dibromofluoromethane (S) | 103 | % | 70-130 | | 2 | | 10/18/19 15:17 | 1868-53-7 | |
| Toluene-d8 (S) | 98 | % | 70-130 | | 2 | | 10/18/19 15:17 | 2037-26-5 | |
| Iron, Ferric Calculation | | Analytical Method: HACH 8146 | | | | | | | |
| Iron, Ferric | 2.9 | mg/L | 0.80 | 0.36 | 1 | | 11/07/19 14:56 | 7439-89-6 | |
| 300.0 IC Anions | | Analytical Method: EPA 300.0 | | | | | | | |
| Sulfate | 53.7 | mg/L | 30.0 | 10.0 | 10 | | 10/25/19 18:17 | 14808-79-8 | |
| 3500FE B Iron, Ferrous | | Analytical Method: SM 3500-Fe B | | | | | | | |
| Iron, Ferrous | 3.3 | mg/L | 0.80 | 0.36 | 10 | | 10/29/19 14:19 | 15438-31-0 | H6,N2 |
| 353.2 Nitrogen, NO2/NO3 pres. | | Analytical Method: EPA 353.2 | | | | | | | |
| Nitrogen, NO2 plus NO3 | <0.095 | mg/L | 0.25 | 0.095 | 1 | | 10/22/19 13:40 | | |
| 5310C TOC | | Analytical Method: SM 5310C | | | | | | | |
| Total Organic Carbon | 4.2 | mg/L | 0.84 | 0.25 | 1 | | 10/23/19 14:54 | 7440-44-0 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1690004905 EXPRESS CLEANER(FMR)

Pace Project No.: 40197377

Sample: TRIP BLANK **Lab ID: 40197377012** Collected: 10/15/19 00:00 Received: 10/16/19 09:05 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|-----------------------------|---------|-----------------------------|------|------|----|----------|----------------|------------|------|
| 8260 MSV | | Analytical Method: EPA 8260 | | | | | | | |
| Benzene | <0.25 | ug/L | 1.0 | 0.25 | 1 | | 10/19/19 02:20 | 71-43-2 | |
| Bromobenzene | <0.24 | ug/L | 1.0 | 0.24 | 1 | | 10/19/19 02:20 | 108-86-1 | |
| Bromochloromethane | <0.36 | ug/L | 5.0 | 0.36 | 1 | | 10/19/19 02:20 | 74-97-5 | |
| Bromodichloromethane | <0.36 | ug/L | 1.2 | 0.36 | 1 | | 10/19/19 02:20 | 75-27-4 | |
| Bromoform | <4.0 | ug/L | 13.2 | 4.0 | 1 | | 10/19/19 02:20 | 75-25-2 | |
| Bromomethane | <0.97 | ug/L | 5.0 | 0.97 | 1 | | 10/19/19 02:20 | 74-83-9 | |
| n-Butylbenzene | <0.71 | ug/L | 2.4 | 0.71 | 1 | | 10/19/19 02:20 | 104-51-8 | |
| sec-Butylbenzene | <0.85 | ug/L | 5.0 | 0.85 | 1 | | 10/19/19 02:20 | 135-98-8 | |
| tert-Butylbenzene | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 10/19/19 02:20 | 98-06-6 | |
| Carbon tetrachloride | <0.17 | ug/L | 1.0 | 0.17 | 1 | | 10/19/19 02:20 | 56-23-5 | |
| Chlorobenzene | <0.71 | ug/L | 2.4 | 0.71 | 1 | | 10/19/19 02:20 | 108-90-7 | |
| Chloroethane | <1.3 | ug/L | 5.0 | 1.3 | 1 | | 10/19/19 02:20 | 75-00-3 | |
| Chloroform | <1.3 | ug/L | 5.0 | 1.3 | 1 | | 10/19/19 02:20 | 67-66-3 | |
| Chloromethane | <2.2 | ug/L | 7.3 | 2.2 | 1 | | 10/19/19 02:20 | 74-87-3 | |
| 2-Chlorotoluene | <0.93 | ug/L | 5.0 | 0.93 | 1 | | 10/19/19 02:20 | 95-49-8 | |
| 4-Chlorotoluene | <0.76 | ug/L | 2.5 | 0.76 | 1 | | 10/19/19 02:20 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | <1.8 | ug/L | 5.9 | 1.8 | 1 | | 10/19/19 02:20 | 96-12-8 | |
| Dibromochloromethane | <2.6 | ug/L | 8.7 | 2.6 | 1 | | 10/19/19 02:20 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | <0.83 | ug/L | 2.8 | 0.83 | 1 | | 10/19/19 02:20 | 106-93-4 | |
| Dibromomethane | <0.94 | ug/L | 3.1 | 0.94 | 1 | | 10/19/19 02:20 | 74-95-3 | |
| 1,2-Dichlorobenzene | <0.71 | ug/L | 2.4 | 0.71 | 1 | | 10/19/19 02:20 | 95-50-1 | |
| 1,3-Dichlorobenzene | <0.63 | ug/L | 2.1 | 0.63 | 1 | | 10/19/19 02:20 | 541-73-1 | |
| 1,4-Dichlorobenzene | <0.94 | ug/L | 3.1 | 0.94 | 1 | | 10/19/19 02:20 | 106-46-7 | |
| Dichlorodifluoromethane | <0.50 | ug/L | 5.0 | 0.50 | 1 | | 10/19/19 02:20 | 75-71-8 | |
| 1,1-Dichloroethane | <0.27 | ug/L | 1.0 | 0.27 | 1 | | 10/19/19 02:20 | 75-34-3 | |
| 1,2-Dichloroethane | <0.28 | ug/L | 1.0 | 0.28 | 1 | | 10/19/19 02:20 | 107-06-2 | |
| 1,1-Dichloroethene | <0.24 | ug/L | 1.0 | 0.24 | 1 | | 10/19/19 02:20 | 75-35-4 | |
| cis-1,2-Dichloroethene | <0.27 | ug/L | 1.0 | 0.27 | 1 | | 10/19/19 02:20 | 156-59-2 | |
| trans-1,2-Dichloroethene | <1.1 | ug/L | 3.6 | 1.1 | 1 | | 10/19/19 02:20 | 156-60-5 | |
| 1,2-Dichloropropane | <0.28 | ug/L | 1.0 | 0.28 | 1 | | 10/19/19 02:20 | 78-87-5 | |
| 1,3-Dichloropropane | <0.83 | ug/L | 2.8 | 0.83 | 1 | | 10/19/19 02:20 | 142-28-9 | |
| 2,2-Dichloropropane | <2.3 | ug/L | 7.6 | 2.3 | 1 | | 10/19/19 02:20 | 594-20-7 | |
| 1,1-Dichloropropene | <0.54 | ug/L | 1.8 | 0.54 | 1 | | 10/19/19 02:20 | 563-58-6 | |
| cis-1,3-Dichloropropene | <3.6 | ug/L | 12.1 | 3.6 | 1 | | 10/19/19 02:20 | 10061-01-5 | |
| trans-1,3-Dichloropropene | <4.4 | ug/L | 14.6 | 4.4 | 1 | | 10/19/19 02:20 | 10061-02-6 | |
| Diisopropyl ether | <1.9 | ug/L | 6.3 | 1.9 | 1 | | 10/19/19 02:20 | 108-20-3 | |
| Ethylbenzene | <0.22 | ug/L | 1.0 | 0.22 | 1 | | 10/19/19 02:20 | 100-41-4 | |
| Hexachloro-1,3-butadiene | <1.2 | ug/L | 5.0 | 1.2 | 1 | | 10/19/19 02:20 | 87-68-3 | |
| Isopropylbenzene (Cumene) | <0.39 | ug/L | 5.0 | 0.39 | 1 | | 10/19/19 02:20 | 98-82-8 | |
| p-Isopropyltoluene | <0.80 | ug/L | 2.7 | 0.80 | 1 | | 10/19/19 02:20 | 99-87-6 | |
| Methylene Chloride | <0.58 | ug/L | 5.0 | 0.58 | 1 | | 10/19/19 02:20 | 75-09-2 | |
| Methyl-tert-butyl ether | <1.2 | ug/L | 4.2 | 1.2 | 1 | | 10/19/19 02:20 | 1634-04-4 | |
| Naphthalene | <1.2 | ug/L | 5.0 | 1.2 | 1 | | 10/19/19 02:20 | 91-20-3 | |
| n-Propylbenzene | <0.81 | ug/L | 5.0 | 0.81 | 1 | | 10/19/19 02:20 | 103-65-1 | |
| Styrene | <0.47 | ug/L | 1.6 | 0.47 | 1 | | 10/19/19 02:20 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | <0.27 | ug/L | 1.0 | 0.27 | 1 | | 10/19/19 02:20 | 630-20-6 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1690004905 EXPRESS CLEANER(FMR)

Pace Project No.: 40197377

Sample: TRIP BLANK **Lab ID: 40197377012** Collected: 10/15/19 00:00 Received: 10/16/19 09:05 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|---------------------------|---------|-----------------------------|--------|------|----|----------|----------------|-------------|------|
| 8260 MSV | | Analytical Method: EPA 8260 | | | | | | | |
| 1,1,2,2-Tetrachloroethane | <0.28 | ug/L | 1.0 | 0.28 | 1 | | 10/19/19 02:20 | 79-34-5 | |
| Tetrachloroethene | <0.33 | ug/L | 1.1 | 0.33 | 1 | | 10/19/19 02:20 | 127-18-4 | |
| Toluene | <0.17 | ug/L | 5.0 | 0.17 | 1 | | 10/19/19 02:20 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | <0.63 | ug/L | 5.0 | 0.63 | 1 | | 10/19/19 02:20 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | <0.95 | ug/L | 5.0 | 0.95 | 1 | | 10/19/19 02:20 | 120-82-1 | |
| 1,1,1-Trichloroethane | <0.24 | ug/L | 1.0 | 0.24 | 1 | | 10/19/19 02:20 | 71-55-6 | |
| 1,1,2-Trichloroethane | <0.55 | ug/L | 5.0 | 0.55 | 1 | | 10/19/19 02:20 | 79-00-5 | |
| Trichloroethene | <0.26 | ug/L | 1.0 | 0.26 | 1 | | 10/19/19 02:20 | 79-01-6 | |
| Trichlorofluoromethane | <0.21 | ug/L | 1.0 | 0.21 | 1 | | 10/19/19 02:20 | 75-69-4 | |
| 1,2,3-Trichloropropane | <0.59 | ug/L | 5.0 | 0.59 | 1 | | 10/19/19 02:20 | 96-18-4 | |
| 1,2,4-Trimethylbenzene | <0.84 | ug/L | 2.8 | 0.84 | 1 | | 10/19/19 02:20 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | <0.87 | ug/L | 2.9 | 0.87 | 1 | | 10/19/19 02:20 | 108-67-8 | |
| Vinyl chloride | <0.17 | ug/L | 1.0 | 0.17 | 1 | | 10/19/19 02:20 | 75-01-4 | |
| Xylene (Total) | <1.5 | ug/L | 3.0 | 1.5 | 1 | | 10/19/19 02:20 | 1330-20-7 | |
| m&p-Xylene | <0.47 | ug/L | 2.0 | 0.47 | 1 | | 10/19/19 02:20 | 179601-23-1 | |
| o-Xylene | <0.26 | ug/L | 1.0 | 0.26 | 1 | | 10/19/19 02:20 | 95-47-6 | |
| Surrogates | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 94 | % | 70-130 | | 1 | | 10/19/19 02:20 | 460-00-4 | |
| Dibromofluoromethane (S) | 103 | % | 70-130 | | 1 | | 10/19/19 02:20 | 1868-53-7 | |
| Toluene-d8 (S) | 97 | % | 70-130 | | 1 | | 10/19/19 02:20 | 2037-26-5 | |

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1690004905 EXPRESS CLEANER(FMR)
Pace Project No.: 40197377

QC Batch: 338251 Analysis Method: EPA 8015B Modified
QC Batch Method: EPA 8015B Modified Analysis Description: Methane, Ethane, Ethene GCV
Associated Lab Samples: 40197377010, 40197377011

METHOD BLANK: 1964535 Matrix: Water
Associated Lab Samples: 40197377010, 40197377011

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|----------------|------------|
| Ethane | ug/L | <1.2 | 5.6 | 10/22/19 12:11 | |
| Ethene | ug/L | <1.2 | 5.0 | 10/22/19 12:11 | |
| Methane | ug/L | <0.66 | 2.8 | 10/22/19 12:11 | |

LABORATORY CONTROL SAMPLE & LCSD:

| Parameter | Units | Spike Conc. | LCS Result | LCSD Result | LCS % Rec | LCSD % Rec | % Rec Limits | RPD | Max RPD | Qualifiers |
|-----------|-------|-------------|------------|-------------|-----------|------------|--------------|-----|---------|------------|
|-----------|-------|-------------|------------|-------------|-----------|------------|--------------|-----|---------|------------|

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1964538 1964539

| Parameter | Units | 40197153002 | | 40197153002 | | 40197153002 | | 40197153002 | | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|-------------|----------------|-----------------|-----------|-------------|----------|-------------|--------|--------------|-----|---------|------|
| | | Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | | | | | |
| Ethane | ug/L | <24.5 | 1070 | 1070 | 1030 | 1030 | 96 | 96 | 80-120 | 0 | 20 | | |
| Ethene | ug/L | <24.0 | 1000 | 1000 | 952 | 943 | 95 | 94 | 80-120 | 1 | 20 | | |
| Methane | ug/L | 2190 | 571 | 571 | 3210 | 3610 | 180 | 249 | 77-122 | 12 | 20 | M1 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1964540 1964541

| Parameter | Units | 40197154002 | | 40197154002 | | 40197154002 | | 40197154002 | | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|-------------|----------------|-----------------|-----------|-------------|----------|-------------|--------|--------------|-----|---------|------|
| | | Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | | | | | |
| Ethane | ug/L | <1.2 | 53.6 | 53.6 | 51.9 | 49.8 | 97 | 93 | 80-120 | 4 | 20 | | |
| Ethene | ug/L | <1.2 | 50 | 50 | 48.1 | 46.2 | 96 | 92 | 80-120 | 4 | 20 | | |
| Methane | ug/L | 94.2 | 28.6 | 28.6 | 240 | 220 | 511 | 439 | 77-122 | 9 | 20 | M1 | |

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1690004905 EXPRESS CLEANER(FMR)

Pace Project No.: 40197377

QC Batch: 337937 Analysis Method: EPA 6020
QC Batch Method: EPA 3010 Analysis Description: 6020 MET
Associated Lab Samples: 40197377010, 40197377011

METHOD BLANK: 1962749 Matrix: Water
Associated Lab Samples: 40197377010, 40197377011

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|----------------|------------|
| Iron | ug/L | <58.0 | 250 | 10/24/19 06:47 | |

LABORATORY CONTROL SAMPLE: 1962750

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Iron | ug/L | 5000 | 4880 | 98 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1962751 1962752

| Parameter | Units | MS | | MSD | | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|--------------------|-------------|-------------|-------|-----------|------------|----------|-----------|--------------|-----|---------|------|
| | | 40197278001 Result | Spike Conc. | Spike Conc. | Conc. | | | | | | | | |
| Iron | ug/L | <250 | 5000 | 5000 | 5090 | 5010 | 98 | 96 | 75-125 | 2 | 20 | | |

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1690004905 EXPRESS CLEANER(FMR)
Pace Project No.: 40197377

QC Batch: 337827 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40197377004, 40197377005, 40197377006, 40197377007, 40197377008, 40197377009, 40197377010, 40197377011, 40197377012

METHOD BLANK: 1962224 Matrix: Water
Associated Lab Samples: 40197377004, 40197377005, 40197377006, 40197377007, 40197377008, 40197377009, 40197377010, 40197377011, 40197377012

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|-----------------------------|-------|--------------|-----------------|----------------|------------|
| 1,1,1,2-Tetrachloroethane | ug/L | <0.27 | 1.0 | 10/18/19 06:18 | |
| 1,1,1-Trichloroethane | ug/L | <0.24 | 1.0 | 10/18/19 06:18 | |
| 1,1,2,2-Tetrachloroethane | ug/L | <0.28 | 1.0 | 10/18/19 06:18 | |
| 1,1,2-Trichloroethane | ug/L | <0.55 | 5.0 | 10/18/19 06:18 | |
| 1,1-Dichloroethane | ug/L | <0.27 | 1.0 | 10/18/19 06:18 | |
| 1,1-Dichloroethene | ug/L | <0.24 | 1.0 | 10/18/19 06:18 | |
| 1,1-Dichloropropene | ug/L | <0.54 | 1.8 | 10/18/19 06:18 | |
| 1,2,3-Trichlorobenzene | ug/L | <0.63 | 5.0 | 10/18/19 06:18 | |
| 1,2,3-Trichloropropane | ug/L | <0.59 | 5.0 | 10/18/19 06:18 | |
| 1,2,4-Trichlorobenzene | ug/L | <0.95 | 5.0 | 10/18/19 06:18 | |
| 1,2,4-Trimethylbenzene | ug/L | <0.84 | 2.8 | 10/18/19 06:18 | |
| 1,2-Dibromo-3-chloropropane | ug/L | <1.8 | 5.9 | 10/18/19 06:18 | |
| 1,2-Dibromoethane (EDB) | ug/L | <0.83 | 2.8 | 10/18/19 06:18 | |
| 1,2-Dichlorobenzene | ug/L | <0.71 | 2.4 | 10/18/19 06:18 | |
| 1,2-Dichloroethane | ug/L | <0.28 | 1.0 | 10/18/19 06:18 | |
| 1,2-Dichloropropane | ug/L | <0.28 | 1.0 | 10/18/19 06:18 | |
| 1,3,5-Trimethylbenzene | ug/L | <0.87 | 2.9 | 10/18/19 06:18 | |
| 1,3-Dichlorobenzene | ug/L | <0.63 | 2.1 | 10/18/19 06:18 | |
| 1,3-Dichloropropane | ug/L | <0.83 | 2.8 | 10/18/19 06:18 | |
| 1,4-Dichlorobenzene | ug/L | <0.94 | 3.1 | 10/18/19 06:18 | |
| 2,2-Dichloropropane | ug/L | <2.3 | 7.6 | 10/18/19 06:18 | |
| 2-Chlorotoluene | ug/L | <0.93 | 5.0 | 10/18/19 06:18 | |
| 4-Chlorotoluene | ug/L | <0.76 | 2.5 | 10/18/19 06:18 | |
| Benzene | ug/L | <0.25 | 1.0 | 10/18/19 06:18 | |
| Bromobenzene | ug/L | <0.24 | 1.0 | 10/18/19 06:18 | |
| Bromochloromethane | ug/L | <0.36 | 5.0 | 10/18/19 06:18 | |
| Bromodichloromethane | ug/L | <0.36 | 1.2 | 10/18/19 06:18 | |
| Bromoform | ug/L | <4.0 | 13.2 | 10/18/19 06:18 | |
| Bromomethane | ug/L | <0.97 | 5.0 | 10/18/19 06:18 | |
| Carbon tetrachloride | ug/L | <0.17 | 1.0 | 10/18/19 06:18 | |
| Chlorobenzene | ug/L | <0.71 | 2.4 | 10/18/19 06:18 | |
| Chloroethane | ug/L | <1.3 | 5.0 | 10/18/19 06:18 | |
| Chloroform | ug/L | <1.3 | 5.0 | 10/18/19 06:18 | |
| Chloromethane | ug/L | <2.2 | 7.3 | 10/18/19 06:18 | |
| cis-1,2-Dichloroethene | ug/L | <0.27 | 1.0 | 10/18/19 06:18 | |
| cis-1,3-Dichloropropene | ug/L | <3.6 | 12.1 | 10/18/19 06:18 | |
| Dibromochloromethane | ug/L | <2.6 | 8.7 | 10/18/19 06:18 | |
| Dibromomethane | ug/L | <0.94 | 3.1 | 10/18/19 06:18 | |
| Dichlorodifluoromethane | ug/L | <0.50 | 5.0 | 10/18/19 06:18 | |
| Diisopropyl ether | ug/L | <1.9 | 6.3 | 10/18/19 06:18 | |

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1690004905 EXPRESS CLEANER(FMR)

Pace Project No.: 40197377

METHOD BLANK: 1962224

Matrix: Water

Associated Lab Samples: 40197377004, 40197377005, 40197377006, 40197377007, 40197377008, 40197377009, 40197377010, 40197377011, 40197377012

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---------------------------|-------|--------------|-----------------|----------------|------------|
| Ethylbenzene | ug/L | <0.22 | 1.0 | 10/18/19 06:18 | |
| Hexachloro-1,3-butadiene | ug/L | 1.3J | 5.0 | 10/18/19 06:18 | |
| Isopropylbenzene (Cumene) | ug/L | <0.39 | 5.0 | 10/18/19 06:18 | |
| m&p-Xylene | ug/L | <0.47 | 2.0 | 10/18/19 06:18 | |
| Methyl-tert-butyl ether | ug/L | <1.2 | 4.2 | 10/18/19 06:18 | |
| Methylene Chloride | ug/L | <0.58 | 5.0 | 10/18/19 06:18 | |
| n-Butylbenzene | ug/L | <0.71 | 2.4 | 10/18/19 06:18 | |
| n-Propylbenzene | ug/L | <0.81 | 5.0 | 10/18/19 06:18 | |
| Naphthalene | ug/L | <1.2 | 5.0 | 10/18/19 06:18 | |
| o-Xylene | ug/L | <0.26 | 1.0 | 10/18/19 06:18 | |
| p-Isopropyltoluene | ug/L | <0.80 | 2.7 | 10/18/19 06:18 | |
| sec-Butylbenzene | ug/L | <0.85 | 5.0 | 10/18/19 06:18 | |
| Styrene | ug/L | <0.47 | 1.6 | 10/18/19 06:18 | |
| tert-Butylbenzene | ug/L | <0.30 | 1.0 | 10/18/19 06:18 | |
| Tetrachloroethene | ug/L | <0.33 | 1.1 | 10/18/19 06:18 | |
| Toluene | ug/L | <0.17 | 5.0 | 10/18/19 06:18 | |
| trans-1,2-Dichloroethene | ug/L | <1.1 | 3.6 | 10/18/19 06:18 | |
| trans-1,3-Dichloropropene | ug/L | <4.4 | 14.6 | 10/18/19 06:18 | |
| Trichloroethene | ug/L | <0.26 | 1.0 | 10/18/19 06:18 | |
| Trichlorofluoromethane | ug/L | <0.21 | 1.0 | 10/18/19 06:18 | |
| Vinyl chloride | ug/L | <0.17 | 1.0 | 10/18/19 06:18 | |
| Xylene (Total) | ug/L | <1.5 | 3.0 | 10/18/19 06:18 | |
| 4-Bromofluorobenzene (S) | % | 94 | 70-130 | 10/18/19 06:18 | |
| Dibromofluoromethane (S) | % | 104 | 70-130 | 10/18/19 06:18 | |
| Toluene-d8 (S) | % | 99 | 70-130 | 10/18/19 06:18 | |

LABORATORY CONTROL SAMPLE: 1962225

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------------------------|-------|-------------|------------|-----------|--------------|------------|
| 1,1,1-Trichloroethane | ug/L | 50 | 57.1 | 114 | 70-130 | |
| 1,1,2,2-Tetrachloroethane | ug/L | 50 | 49.2 | 98 | 70-130 | |
| 1,1,2-Trichloroethane | ug/L | 50 | 52.8 | 106 | 70-130 | |
| 1,1-Dichloroethane | ug/L | 50 | 55.0 | 110 | 73-150 | |
| 1,1-Dichloroethene | ug/L | 50 | 55.1 | 110 | 73-138 | |
| 1,2,4-Trichlorobenzene | ug/L | 50 | 54.2 | 108 | 70-130 | |
| 1,2-Dibromo-3-chloropropane | ug/L | 50 | 45.3 | 91 | 64-129 | |
| 1,2-Dibromoethane (EDB) | ug/L | 50 | 52.4 | 105 | 70-130 | |
| 1,2-Dichlorobenzene | ug/L | 50 | 53.0 | 106 | 70-130 | |
| 1,2-Dichloroethane | ug/L | 50 | 53.7 | 107 | 75-140 | |
| 1,2-Dichloropropane | ug/L | 50 | 53.2 | 106 | 73-135 | |
| 1,3-Dichlorobenzene | ug/L | 50 | 51.8 | 104 | 70-130 | |
| 1,4-Dichlorobenzene | ug/L | 50 | 53.2 | 106 | 70-130 | |
| Benzene | ug/L | 50 | 52.8 | 106 | 70-130 | |

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1690004905 EXPRESS CLEANER(FMR)

Pace Project No.: 40197377

LABORATORY CONTROL SAMPLE: 1962225

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---------------------------|-------|-------------|------------|-----------|--------------|------------|
| Bromodichloromethane | ug/L | 50 | 54.3 | 109 | 70-130 | |
| Bromoform | ug/L | 50 | 48.4 | 97 | 68-129 | |
| Bromomethane | ug/L | 50 | 34.2 | 68 | 18-159 | |
| Carbon tetrachloride | ug/L | 50 | 57.8 | 116 | 70-130 | |
| Chlorobenzene | ug/L | 50 | 53.3 | 107 | 70-130 | |
| Chloroethane | ug/L | 50 | 48.1 | 96 | 53-147 | |
| Chloroform | ug/L | 50 | 49.8 | 100 | 74-136 | |
| Chloromethane | ug/L | 50 | 34.0 | 68 | 29-115 | |
| cis-1,2-Dichloroethene | ug/L | 50 | 51.2 | 102 | 70-130 | |
| cis-1,3-Dichloropropene | ug/L | 50 | 50.2 | 100 | 70-130 | |
| Dibromochloromethane | ug/L | 50 | 54.5 | 109 | 70-130 | |
| Dichlorodifluoromethane | ug/L | 50 | 32.2 | 64 | 10-130 | |
| Ethylbenzene | ug/L | 50 | 55.9 | 112 | 80-124 | |
| Isopropylbenzene (Cumene) | ug/L | 50 | 52.6 | 105 | 70-130 | |
| m&p-Xylene | ug/L | 100 | 114 | 114 | 70-130 | |
| Methyl-tert-butyl ether | ug/L | 50 | 47.3 | 95 | 54-137 | |
| Methylene Chloride | ug/L | 50 | 51.6 | 103 | 73-138 | |
| o-Xylene | ug/L | 50 | 57.1 | 114 | 70-130 | |
| Styrene | ug/L | 50 | 52.8 | 106 | 70-130 | |
| Tetrachloroethene | ug/L | 50 | 56.4 | 113 | 70-130 | |
| Toluene | ug/L | 50 | 53.7 | 107 | 80-126 | |
| trans-1,2-Dichloroethene | ug/L | 50 | 55.3 | 111 | 73-145 | |
| trans-1,3-Dichloropropene | ug/L | 50 | 48.8 | 98 | 70-130 | |
| Trichloroethene | ug/L | 50 | 56.6 | 113 | 70-130 | |
| Trichlorofluoromethane | ug/L | 50 | 52.6 | 105 | 76-147 | |
| Vinyl chloride | ug/L | 50 | 41.6 | 83 | 51-120 | |
| Xylene (Total) | ug/L | 150 | 171 | 114 | 70-130 | |
| 4-Bromofluorobenzene (S) | % | | | 101 | 70-130 | |
| Dibromofluoromethane (S) | % | | | 100 | 70-130 | |
| Toluene-d8 (S) | % | | | 99 | 70-130 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1962303 1962304

| Parameter | Units | MS | | MSD | | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------------------------|-------|-------------|--------|-------------|-------------|-----------|------------|----------|-----------|--------------|-----|---------|------|
| | | 40197376004 | Result | Spike Conc. | Spike Conc. | | | | | | | | |
| 1,1,1-Trichloroethane | ug/L | <0.24 | 50 | 50 | 54.2 | 59.2 | 108 | 118 | 70-130 | 9 | 20 | | |
| 1,1,2,2-Tetrachloroethane | ug/L | <0.28 | 50 | 50 | 46.2 | 50.7 | 92 | 101 | 70-130 | 9 | 20 | | |
| 1,1,2-Trichloroethane | ug/L | <0.55 | 50 | 50 | 50.2 | 54.1 | 100 | 108 | 70-137 | 8 | 20 | | |
| 1,1-Dichloroethane | ug/L | <0.27 | 50 | 50 | 52.0 | 56.4 | 104 | 113 | 73-153 | 8 | 20 | | |
| 1,1-Dichloroethene | ug/L | <0.24 | 50 | 50 | 53.2 | 57.5 | 106 | 115 | 73-138 | 8 | 20 | | |
| 1,2,4-Trichlorobenzene | ug/L | <0.95 | 50 | 50 | 51.8 | 56.6 | 104 | 113 | 70-130 | 9 | 20 | | |
| 1,2-Dibromo-3-chloropropane | ug/L | <1.8 | 50 | 50 | 43.4 | 46.5 | 87 | 93 | 58-129 | 7 | 20 | | |
| 1,2-Dibromoethane (EDB) | ug/L | <0.83 | 50 | 50 | 50.3 | 54.4 | 101 | 109 | 70-130 | 8 | 20 | | |
| 1,2-Dichlorobenzene | ug/L | <0.71 | 50 | 50 | 50.2 | 54.2 | 100 | 108 | 70-130 | 8 | 20 | | |

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QUALITY CONTROL DATA

Project: 1690004905 EXPRESS CLEANER(FMR)
Pace Project No.: 40197377

| MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1962303 | | | | | | | | | | | | 1962304 | | | | | | | | | | | |
|--|-------|-------------|--------|-------------|-----------------|-----------|------------|----------|-----------|--------------|-----|---------|------|--|--|--|--|--|--|--|--|--|--|
| Parameter | Units | MS | | MSD | | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual | | | | | | | | | | |
| | | 40197376004 | Result | Spike Conc. | MSD Spike Conc. | | | | | | | | | | | | | | | | | | |
| 1,2-Dichloroethane | ug/L | <0.28 | 50 | 50 | 50.3 | 55.2 | 101 | 110 | 75-140 | 9 | 20 | | | | | | | | | | | | |
| 1,2-Dichloropropane | ug/L | <0.28 | 50 | 50 | 49.5 | 54.5 | 99 | 109 | 71-138 | 10 | 20 | | | | | | | | | | | | |
| 1,3-Dichlorobenzene | ug/L | <0.63 | 50 | 50 | 49.6 | 53.6 | 99 | 107 | 70-130 | 8 | 20 | | | | | | | | | | | | |
| 1,4-Dichlorobenzene | ug/L | <0.94 | 50 | 50 | 50.2 | 54.4 | 100 | 109 | 70-130 | 8 | 20 | | | | | | | | | | | | |
| Benzene | ug/L | <0.25 | 50 | 50 | 49.9 | 54.2 | 100 | 108 | 70-130 | 8 | 20 | | | | | | | | | | | | |
| Bromodichloromethane | ug/L | <0.36 | 50 | 50 | 50.6 | 55.0 | 101 | 110 | 70-130 | 8 | 20 | | | | | | | | | | | | |
| Bromoform | ug/L | <4.0 | 50 | 50 | 46.2 | 49.8 | 92 | 100 | 68-129 | 7 | 20 | | | | | | | | | | | | |
| Bromomethane | ug/L | <0.97 | 50 | 50 | 36.7 | 42.1 | 73 | 84 | 15-170 | 14 | 20 | | | | | | | | | | | | |
| Carbon tetrachloride | ug/L | <0.17 | 50 | 50 | 54.4 | 59.5 | 109 | 119 | 70-130 | 9 | 20 | | | | | | | | | | | | |
| Chlorobenzene | ug/L | <0.71 | 50 | 50 | 50.4 | 54.6 | 101 | 109 | 70-130 | 8 | 20 | | | | | | | | | | | | |
| Chloroethane | ug/L | <1.3 | 50 | 50 | 45.6 | 49.2 | 91 | 98 | 51-148 | 7 | 20 | | | | | | | | | | | | |
| Chloroform | ug/L | <1.3 | 50 | 50 | 47.5 | 51.3 | 95 | 103 | 74-136 | 8 | 20 | | | | | | | | | | | | |
| Chloromethane | ug/L | <2.2 | 50 | 50 | 33.0 | 36.1 | 66 | 72 | 23-115 | 9 | 20 | | | | | | | | | | | | |
| cis-1,2-Dichloroethene | ug/L | <0.27 | 50 | 50 | 48.6 | 52.9 | 97 | 106 | 70-131 | 8 | 20 | | | | | | | | | | | | |
| cis-1,3-Dichloropropene | ug/L | <3.6 | 50 | 50 | 47.0 | 51.0 | 94 | 102 | 70-130 | 8 | 20 | | | | | | | | | | | | |
| Dibromochloromethane | ug/L | <2.6 | 50 | 50 | 51.2 | 56.5 | 102 | 113 | 70-130 | 10 | 20 | | | | | | | | | | | | |
| Dichlorodifluoromethane | ug/L | 0.64J | 50 | 50 | 30.2 | 32.8 | 59 | 64 | 10-132 | 8 | 20 | | | | | | | | | | | | |
| Ethylbenzene | ug/L | <0.22 | 50 | 50 | 53.3 | 57.5 | 107 | 115 | 80-125 | 8 | 20 | | | | | | | | | | | | |
| Isopropylbenzene (Cumene) | ug/L | <0.39 | 50 | 50 | 49.7 | 53.9 | 99 | 108 | 70-130 | 8 | 20 | | | | | | | | | | | | |
| m&p-Xylene | ug/L | <0.47 | 100 | 100 | 109 | 118 | 109 | 118 | 70-130 | 8 | 20 | | | | | | | | | | | | |
| Methyl-tert-butyl ether | ug/L | <1.2 | 50 | 50 | 45.1 | 49.1 | 90 | 98 | 51-145 | 8 | 20 | | | | | | | | | | | | |
| Methylene Chloride | ug/L | <0.58 | 50 | 50 | 49.5 | 52.9 | 99 | 106 | 73-140 | 7 | 20 | | | | | | | | | | | | |
| o-Xylene | ug/L | <0.26 | 50 | 50 | 54.4 | 58.6 | 109 | 117 | 70-130 | 7 | 20 | | | | | | | | | | | | |
| Styrene | ug/L | <0.47 | 50 | 50 | 49.7 | 54.2 | 99 | 108 | 70-130 | 8 | 20 | | | | | | | | | | | | |
| Tetrachloroethene | ug/L | <0.33 | 50 | 50 | 53.3 | 57.6 | 107 | 115 | 70-130 | 8 | 20 | | | | | | | | | | | | |
| Toluene | ug/L | <0.17 | 50 | 50 | 51.4 | 55.6 | 103 | 111 | 80-131 | 8 | 20 | | | | | | | | | | | | |
| trans-1,2-Dichloroethene | ug/L | <1.1 | 50 | 50 | 53.4 | 57.7 | 107 | 115 | 73-148 | 8 | 20 | | | | | | | | | | | | |
| trans-1,3-Dichloropropene | ug/L | <4.4 | 50 | 50 | 46.8 | 50.9 | 94 | 102 | 70-130 | 9 | 20 | | | | | | | | | | | | |
| Trichloroethene | ug/L | <0.26 | 50 | 50 | 53.4 | 57.3 | 107 | 115 | 70-130 | 7 | 20 | | | | | | | | | | | | |
| Trichlorofluoromethane | ug/L | <0.21 | 50 | 50 | 49.9 | 53.9 | 100 | 108 | 74-147 | 8 | 20 | | | | | | | | | | | | |
| Vinyl chloride | ug/L | <0.17 | 50 | 50 | 40.4 | 44.1 | 81 | 88 | 41-129 | 9 | 20 | | | | | | | | | | | | |
| Xylene (Total) | ug/L | <1.5 | 150 | 150 | 164 | 177 | 109 | 118 | 70-130 | 8 | 20 | | | | | | | | | | | | |
| 4-Bromofluorobenzene (S) | % | | | | | | 101 | 102 | 70-130 | | | | | | | | | | | | | | |
| Dibromofluoromethane (S) | % | | | | | | 100 | 102 | 70-130 | | | | | | | | | | | | | | |
| Toluene-d8 (S) | % | | | | | | 100 | 100 | 70-130 | | | | | | | | | | | | | | |

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1690004905 EXPRESS CLEANER(FMR)
Pace Project No.: 40197377

QC Batch: 337949 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40197377001, 40197377002, 40197377003

METHOD BLANK: 1962794 Matrix: Water
Associated Lab Samples: 40197377001, 40197377002, 40197377003

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|--------------------------|-------|--------------|-----------------|----------------|------------|
| 4-Bromofluorobenzene (S) | % | 93 | 70-130 | 10/18/19 16:36 | |
| Dibromofluoromethane (S) | % | 103 | 70-130 | 10/18/19 16:36 | |
| Toluene-d8 (S) | % | 98 | 70-130 | 10/18/19 16:36 | |

LABORATORY CONTROL SAMPLE: 1962795

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|--------------------------|-------|-------------|------------|-----------|--------------|------------|
| 4-Bromofluorobenzene (S) | % | | | 100 | 70-130 | |
| Dibromofluoromethane (S) | % | | | 99 | 70-130 | |
| Toluene-d8 (S) | % | | | 98 | 70-130 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1962799 1962800

| Parameter | Units | 40197451002 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|--------------------------|-------|--------------------|----------------|-----------------|-----------|------------|----------|-----------|--------------|-----|---------|------|
| 4-Bromofluorobenzene (S) | % | | | | | | 101 | 101 | 70-130 | | | |
| Dibromofluoromethane (S) | % | | | | | | 100 | 98 | 70-130 | | | |
| Toluene-d8 (S) | % | | | | | | 98 | 98 | 70-130 | | | |

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QUALITY CONTROL DATA

Project: 1690004905 EXPRESS CLEANER(FMR)
Pace Project No.: 40197377

QC Batch: 338580 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 40197377010, 40197377011

METHOD BLANK: 1966361 Matrix: Water
Associated Lab Samples: 40197377010, 40197377011

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|----------------|------------|
| Sulfate | mg/L | <1.0 | 3.0 | 10/25/19 11:12 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1966363 1966364

| Parameter | Units | 40197727007 | | MS | | MSD | | MS | | MSD | | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|-------------|-------|-------------|-------------|--------|--------|-------|-------|--------|---|--------------|-----|---------|------|
| | | Result | Conc. | Spike Conc. | Spike Conc. | Result | Result | % Rec | % Rec | | | | | | |
| Sulfate | mg/L | 110 | 100 | 100 | 100 | 202 | 203 | 92 | 93 | 90-110 | 0 | 15 | | | |

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QUALITY CONTROL DATA

Project: 1690004905 EXPRESS CLEANER(FMR)
Pace Project No.: 40197377

QC Batch: 641403 Analysis Method: SM 3500-Fe B
QC Batch Method: SM 3500-Fe B Analysis Description: 3500FE B Iron, Ferrous
Associated Lab Samples: 40197377010, 40197377011

METHOD BLANK: 3454605 Matrix: Water
Associated Lab Samples: 40197377010, 40197377011

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---------------|-------|--------------|-----------------|----------------|------------|
| Iron, Ferrous | mg/L | <0.036 | 0.080 | 10/29/19 14:17 | H6,N2 |

LABORATORY CONTROL SAMPLE: 3454606

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---------------|-------|-------------|------------|-----------|--------------|------------|
| Iron, Ferrous | mg/L | 0.5 | 0.50 | 100 | 90-110 | H6,N2 |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3454607 3454608

| Parameter | Units | 40197377010 | | 3454608 | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|---------------|-------|-------------|-----------------|-----------|-----------------|----------|-----------|--------------|-----|---------|-------|
| | | MS Result | MSD Spike Conc. | MS Result | MSD Spike Conc. | | | | | | |
| Iron, Ferrous | mg/L | 4.2 | 5 | 8.4 | 5 | 83 | 83 | 80-120 | 0 | 20 | H6,N2 |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3454609 3454610

| Parameter | Units | 10496735007 | | 3454610 | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|---------------|-------|-------------|-----------------|-----------|-----------------|----------|-----------|--------------|-----|---------|-------------|
| | | MS Result | MSD Spike Conc. | MS Result | MSD Spike Conc. | | | | | | |
| Iron, Ferrous | mg/L | 5.5 | 10 | 15.6 | 10 | 4 | 100 | 80-120 | 90 | 20 | H6,M6,N2,R1 |

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QUALITY CONTROL DATA

Project: 1690004905 EXPRESS CLEANER(FMR)
Pace Project No.: 40197377

QC Batch: 338217 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, preserved
Associated Lab Samples: 40197377010, 40197377011

METHOD BLANK: 1964366 Matrix: Water
Associated Lab Samples: 40197377010, 40197377011

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|------------------------|-------|--------------|-----------------|----------------|------------|
| Nitrogen, NO2 plus NO3 | mg/L | <0.095 | 0.25 | 10/22/19 13:30 | |

LABORATORY CONTROL SAMPLE: 1964367

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|------------------------|-------|-------------|------------|-----------|--------------|------------|
| Nitrogen, NO2 plus NO3 | mg/L | 2.5 | 2.5 | 100 | 90-110 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1964368 1964369

| Parameter | Units | 40197449001 | | 1964368 | | 1964369 | | % Rec Limits | RPD | Max RPD | Qual |
|------------------------|-------|-------------|----------------|-----------------|-----------|------------|----------|--------------|--------|---------|------|
| | | Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | | | | |
| Nitrogen, NO2 plus NO3 | mg/L | 0.70 | 2.5 | 2.5 | 3.2 | 3.4 | 99 | 107 | 90-110 | 7 | 20 |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1964370 1964371

| Parameter | Units | 40197579001 | | 1964370 | | 1964371 | | % Rec Limits | RPD | Max RPD | Qual |
|------------------------|-------|-------------|----------------|-----------------|-----------|------------|----------|--------------|--------|---------|------|
| | | Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | | | | |
| Nitrogen, NO2 plus NO3 | mg/L | 0.71 | 2.5 | 2.5 | 3.1 | 3.2 | 94 | 101 | 90-110 | 6 | 20 |

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QUALITY CONTROL DATA

Project: 1690004905 EXPRESS CLEANER(FMR)

Pace Project No.: 40197377

QC Batch: 338058

Analysis Method: SM 5310C

QC Batch Method: SM 5310C

Analysis Description: 5310C Total Organic Carbon

Associated Lab Samples: 40197377010, 40197377011

METHOD BLANK: 1963972

Matrix: Water

Associated Lab Samples: 40197377010, 40197377011

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|----------------------|-------|--------------|-----------------|----------------|------------|
| Total Organic Carbon | mg/L | <0.25 | 0.84 | 10/23/19 10:01 | |

LABORATORY CONTROL SAMPLE: 1963973

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|----------------------|-------|-------------|------------|-----------|--------------|------------|
| Total Organic Carbon | mg/L | 2.5 | 2.4 | 95 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1963974 1963975

| Parameter | Units | 1963974 | | 1963975 | | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|----------------------|-------|--------------------|----------------|-----------------|-----------|-----------|------------|----------|-----------|--------------|-----|---------|------|
| | | 40197212007 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | | | | | | | | |
| Total Organic Carbon | mg/L | 2.9 | 2 | 2 | 5.0 | 5.0 | 103 | 104 | 80-120 | 0 | 10 | | |

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 1690004905 EXPRESS CLEANER(FMR)
Pace Project No.: 40197377

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay
PASI-M Pace Analytical Services - Minneapolis

ANALYTE QUALIFIERS

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
H6 Analysis initiated outside of the 15 minute EPA required holding time.
M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
M6 Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.
N2 The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.
R1 RPD value was outside control limits.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1690004905 EXPRESS CLEANER(FMR)

Pace Project No.: 40197377

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|------------|--------------------|----------|-------------------|------------------|
| 40197377010 | MW-3R | EPA 8015B Modified | 338251 | | |
| 40197377011 | MW-8 | EPA 8015B Modified | 338251 | | |
| 40197377010 | MW-3R | EPA 3010 | 337937 | EPA 6020 | 338012 |
| 40197377011 | MW-8 | EPA 3010 | 337937 | EPA 6020 | 338012 |
| 40197377001 | MW-15 | EPA 8260 | 337949 | | |
| 40197377002 | MW-6 | EPA 8260 | 337949 | | |
| 40197377003 | MW-16 | EPA 8260 | 337949 | | |
| 40197377004 | MW-13 | EPA 8260 | 337827 | | |
| 40197377005 | MW-12 | EPA 8260 | 337827 | | |
| 40197377006 | MW-9 | EPA 8260 | 337827 | | |
| 40197377007 | MW-9 DUP | EPA 8260 | 337827 | | |
| 40197377008 | MW-1 | EPA 8260 | 337827 | | |
| 40197377009 | PZ-1 | EPA 8260 | 337827 | | |
| 40197377010 | MW-3R | EPA 8260 | 337827 | | |
| 40197377011 | MW-8 | EPA 8260 | 337827 | | |
| 40197377012 | TRIP BLANK | EPA 8260 | 337827 | | |
| 40197377011 | MW-8 | HACH 8146 | 339356 | | |
| 40197377010 | MW-3R | EPA 300.0 | 338580 | | |
| 40197377011 | MW-8 | EPA 300.0 | 338580 | | |
| 40197377010 | MW-3R | SM 3500-Fe B | 641403 | | |
| 40197377011 | MW-8 | SM 3500-Fe B | 641403 | | |
| 40197377010 | MW-3R | EPA 353.2 | 338217 | | |
| 40197377011 | MW-8 | EPA 353.2 | 338217 | | |
| 40197377010 | MW-3R | SM 5310C | 338058 | | |
| 40197377011 | MW-8 | SM 5310C | 338058 | | |

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: **RAMBOLL**
 Branch/Location: **BROOKFIELD**
 Project Contact: **SCOTT TARMAN**
 Phone: **262 901 0093**
 Project Number: **1690004905**
 Project Name: **EXPRESS CLEANERS (FORMER)**
 Project State: **WISCONSIN**
 Sampled By (Print): **DUNN GLASFORD**
 Sampled By (Sign): *Dunn Glasford*

PO #: _____ Regulatory Program: _____

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

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

Matrix Codes
 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 | |
| 001 | MW-15 | 10/14/2019 | 1035 | GW |
| 002 | MW-6 | | 1125 | |
| 003 | MW-16 | | 1205 | |
| 004 | MW-13 | | 1250 | |
| 005 | MW-12 | | 1335 | |
| 006 | MW-9 | | 1445 | |
| 007 | MW-9 DUP | | 1445 | |
| 008 | MW-1 | ↓ | 1515 | |
| 009 | PZ-1 | 10/15/2019 | 845 | |
| 010 | MW-3R | | 0930 | |
| 011 | MW-8 | | 1030 | |
| 012 | TRIP BLANK | ↓ | | |



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

40197377

CHAIN OF CUSTODY

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

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

| Y/N | N | N | N | N | N | N | Y | |
|--------------------|-----------|----------------|------------|-------------|---------------|-------------------------|-----------------|-------------------|
| Pick Letter | B | B | C | A | C | D | B | |
| Analyses Requested | VOLs 0260 | METHANE ETHANE | ETHANE 015 | TOL 5M5310C | SULFATE 300.0 | NITRITE-NITRATE (353.2) | TOTAL IRON 6020 | FERROUS IRON 3500 |

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 # |
|-----------------|-----------------------------|-----------|
| | AS | |

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: _____

Relinquished By: *Dunn Glasford* Date/Time: 10/15/2019 1300
 Relinquished By: *CS Logz 3truss* Date/Time: 10/16/19 0905
 Relinquished By: _____ Date/Time: _____
 Relinquished By: _____ Date/Time: _____

Received By: _____ Date/Time: _____
 Received By: *Phu Lu* Date/Time: 10/16/19 0905
 Received By: _____ Date/Time: _____
 Received By: _____ Date/Time: _____

PACE Project No. 40197377
 Receipt Temp = 20.1 °C
 Sample Receipt pH OR / Adjusted
 Cooler Custody Seal Present / Not Present
 Intact / Not Intact

Sample Preservation Receipt Form

Pace Analytical Services, LLC
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Client Name: Sam Ball

Project # 40197377

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

Lab Lot# of pH paper: 10050891

Lab Std #/ID of preservation (if pH adjusted):

Initial when completed: PH

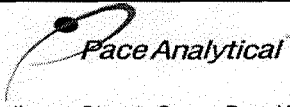
Date/Time:

| 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 | AG1H | AG4S | AG4U | AG5U | AG2S | BG3U | BP1U | BP2N | BP2Z | BP3U | BP3B | BP3N | BP3S | DG9A | DG9T | VG9U | VG9H | VG9M | VG9D | JGFU | WGFU | WPFU | | | | | | | | SP5T | ZPLC | GN |
| 001 | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | | 2.5 / 5 / 10 |
| 002 | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | | 2.5 / 5 / 10 |
| 003 | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | | 2.5 / 5 / 10 |
| 004 | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | | 2.5 / 5 / 10 |
| 005 | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | | 2.5 / 5 / 10 |
| 006 | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | | 2.5 / 5 / 10 |
| 007 | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | | 2.5 / 5 / 10 |
| 008 | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | | 2.5 / 5 / 10 |
| 009 | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | | 2.5 / 5 / 10 |
| 010 | | | 1 | | | | | | | 1 | | 1 | 1 | | | | 3 | | | | | | | | | | | 1 | | | 1 | | 2.5 / 5 / 10 |
| 011 | | | 1 | | | | | | | 1 | | 1 | 1 | | | | 3 | | | | | | | | | | 1 | | | 1 | | 2.5 / 5 / 10 | |
| 012 | | | 1 | | | | | | | 1 | | 1 | 1 | | | | 3 | | | | | | | | | | 1 | | | 1 | | 2.5 / 5 / 10 | |
| 013 | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | | 2.5 / 5 / 10 |
| 014 | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | | 2.5 / 5 / 10 |
| 015 | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | | 2.5 / 5 / 10 |
| 016 | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | | 2.5 / 5 / 10 |
| 017 | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | | 2.5 / 5 / 10 |
| 018 | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | | 2.5 / 5 / 10 |
| 019 | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | | 2.5 / 5 / 10 |
| 020 | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | | 2.5 / 5 / 10 |

Exceptions to preservation check: VOA, Coliform, 40S, 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 | DG9A 40 mL amber ascorbic | JGFU 4 oz amber jar unpres |
| AG1H 1 liter amber glass HCL | BP2N 500 mL plastic HNO3 | DG9T 40 mL amber Na Thio | WGFU 4 oz clear jar unpres |
| AG4S 125 mL amber glass H2SO4 | BP2Z 500 mL plastic NaOH, Znact | VG9U 40 mL clear vial unpres | WPFU 4 oz plastic jar unpres |
| AG4U 120 mL amber glass unpres | BP3U 250 mL plastic unpres | VG9H 40 mL clear vial HCL | |
| AG5U 100 mL amber glass unpres | BP3B 250 mL plastic NaOH | VG9M 40 mL clear vial MeOH | SP5T 120 mL plastic Na Thiosulfate |
| AG2S 500 mL amber glass H2SO4 | BP3N 250 mL plastic HNO3 | VG9D 40 mL clear vial DI | ZPLC ziploc bag |
| BG3U 250 mL clear glass unpres | BP3S 250 mL plastic H2SO4 | | GN: |



1241 Bellevue Street, Green Bay, WI 54302

Document Name:
Sample Condition Upon Receipt (SCUR)

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

Document Revised: 25Apr2018

Issuing Authority:
Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project #:

Client Name: Lambert

WO#: **40197377**

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



Tracking #: 477.101519

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

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

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used SR - NA Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature Uncorr: R01 / Corr: _____

Temp Blank Present: yes no Biological Tissue is Frozen: yes no

Person examining contents:

Date: 10/16/19
Initials: RP

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C.

| | | | |
|--|--|------------|--|
| Chain of Custody Present: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 1. | |
| Chain of Custody Filled Out: | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | 2. | <u>qs #, mail, invoice</u> <u>10/16/19 RP</u> |
| Chain of Custody Relinquished: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 3. | |
| Sampler Name & Signature on COC: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 4. | |
| Samples Arrived within Hold Time: | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 5. | <u>Ferrous Iron</u> |
| - VOA Samples frozen upon receipt | <input type="checkbox"/> Yes <input type="checkbox"/> No | Date/Time: | <u>10/16/19 RP</u> |
| 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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A | | | |
| Correct Containers Used: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 9. | |
| -Pace Containers Used: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | | |
| -Pace IR Containers Used: | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | | |
| Containers Intact: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 10. | |
| Filtered volume received for Dissolved tests | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | 11. | <u>Lab added 2 BP3U to filter</u> <u>10/16/19 RP</u> |
| 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 type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | | |
| Pace Trip Blank Lot # (if purchased): <u>433</u> | | | |

Client Notification/ Resolution: _____ If checked, see attached form for additional comments

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: Ulu Date: 10/17/19