RAMBOLL

ENVIRONMENT
& HEALTH

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 April 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 is currently being 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 (40185793)

January 28, 2020

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Ref. 1690004905

# FORM 4400-249

State of Wisconsin
Department of Natural Resources
PO Box 7921, Madison WI 53707-7921
dnr.wi.gov

# Site Investigation Sample Results Notification

Form 4400-249 (R 03/14) 

**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 | Phone Number (include area code) |
|---|---|
| Mr. James Small, Trustee | (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? Yes | In Soil? No | In Groundwater? Yes | In Groundwater? No |
|---|---|---|---|---|
| Gasoline | ○ | ◉ | ○ | ◉ |
| Diesel or Fuel Oil | ○ | ◉ | ○ | ◉ |
| Solvents | ◉ | ○ | ◉ | ○ |
| Heavy Metals | ○ | ◉ | ○ | ◉ |
| Pesticides | ○ | ◉ | ○ | ◉ |
| Other: _____ | ○ | ◉ | ○ | ◉ |

This sampling event included sampling of a drinking water well.
○ Yes ◉ No

If yes, the sampled drinking water well had detectable contaminants.
○ Yes ○ No

| Contaminants in Vapor | Yes | No |
|---|---|---|
| Indoor Air | ○ | ◉ |
| Sub-slab | ○ | ◉ |
| Exterior Soil Gas | ○ | ◉ |

**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** Groundwater Analytical 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 | 96.3 | 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 |
| 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 |
| 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 | <4.8 | #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 | *3.03* | <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 |
| 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 |
| 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 |
| 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 |
| 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 |

# Table **1.**
# **Historical** Groundwater Analytical 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-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 |
| 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 |
| 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 |
| 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 |
| 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 |

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.

# Table **2.**
## MNA Parameter Groundwater Sampling Results
## Former Express Cleaners
## 3941 N Main Street, Racine, Wisconsin

| Parameters[1] | Analytical Method | Units | MW-8 9/15/2016 | MW-8 4/20/2017 | MW-8 10/18/2017 | MW-8 4/25/2018 | MW-8 10/24/2018 | MW-8 4/11/2019 |
|---|---|---|---|---|---|---|---|---|
| Sulfate | EPA 300.0 | mg/L | 169 | 10.5 | <5.0 | <5.0 | <5.0 | <1.0 |
| Nitrogen, NO2 plus NO3 | EPA 353.2 | mg/L | 7.6 | <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 |
| Iron, Ferric | EPA 6010 | ug/L | 80 J | 3,680 | 2,600 | 600 | 719 | <50.0 |
| Ethene | EPA 8015B Modified | ug/L | <0.52 | 11.2 | 12.7 | 3.1 J | 16.3 | 8.7 |
| Ethane | EPA 8015B Modified | ug/L | <0.58 | 2.7 J | 5.2 J | <11.5 | 16.5 | 13.5 |
| Methane | EPA 8015B Modified | ug/L | <1.4 | 23.2 | 8,700 | 3,160 | 15,300 | 5,790 |

Notes:

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

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

µg/L = micrograms per liter

mg/L = milligrams per liter

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

# Table **2.**
## MNA Parameter Groundwater Sampling Results
## Former Express Cleaners
## 3941 N Main Street, Racine, Wisconsin

| Parameters[1] | Analytical Method | Units | MW-3[2] 9/15/2016 | MW-3R[2] 4/20/2017 | MW-3R[2] 10/18/2017 | MW-3R[2] 4/25/2018 | MW-3R[2] 10/24/2018 | MW-3R[2] 4/11/2019 |
|---|---|---|---|---|---|---|---|---|
| Sulfate | EPA 300.0 | mg/L | 144 | 36.6 | <1.0 | <5.0 | <5.0 | <1.0 |
| Nitrogen, NO2 plus NO3 | EPA 353.2 | mg/L | 0.2 J | <0.095 | <0.095 | <0.095 | <0.095 | <0.095 |
| Total Organic Carbon | SM 5310C | mg/L | 1.3 | 495 | 517 | 910 | 252 | 536 |
| Iron, Ferric | EPA 6010 | ug/L | 115 | 1,790 | 2,200 | 760 | <50.0 | 2,320 |
| Ethene | EPA 8015B Modified | ug/L | <0.52 | 242 | 196 | 158 | 76.9 | 64.9 |
| Ethane | EPA 8015B Modified | ug/L | <0.58 | 160 | 89 | 81.5 | 43.0 | 37.9 |
| Methane | EPA 8015B Modified | ug/L | <1.4 | 172 | 5,810 | 5,660 | 9,600 | 6,940 |

Notes:

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

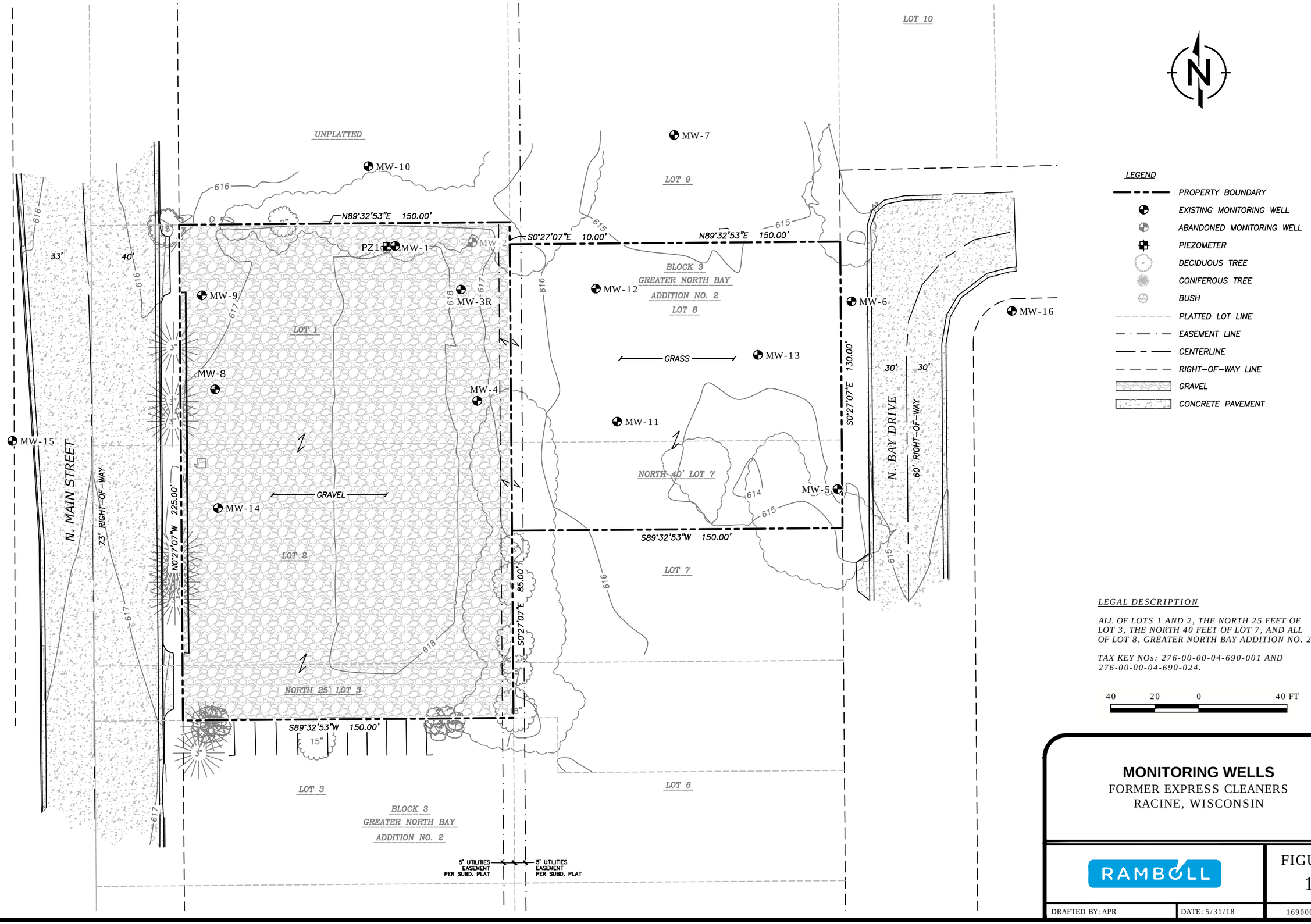
[2] MW-3 was abandoned prior to treatment, and MW-3R was installed in March 2017.

µg/L = micrograms per liter

mg/L = milligrams per liter

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

# FIGURE




*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.*

40 20 0 40 FT

# MONITORING WELLS

FORMER EXPRESS CLEANERS
RACINE, WISCONSIN

RAMBOLL

FIGURE 1

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

L:\Loop Project Files_CAD\1690004905_M&Z Express Cleaners_Results Notification\01_Monitoring Wells_v3.dwg

# ATTACHMENT A

## LABORATORY ANALYTICAL REPORT

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

April 25, 2019

Scott Tarmann
Ramboll Environ
175 North Corporate Dr
Suite 160
Brookfield, WI 53045

RE: Project: 1690004905 EXPRESS CLEANERS (F
Pace Project No.: 40185793

Dear Scott Tarmann:
Enclosed are the analytical results for sample(s) received by the laboratory on April 13, 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.

Some analyses have been subcontracted outside of the Pace Network. The subcontracted laboratory report has been attached.

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

Sincerely,

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

Enclosures

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

## CERTIFICATIONS

Project: 1690004905 EXPRESS CLEANERS (F
Pace Project No.: 40185793

**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

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

## SAMPLE SUMMARY

Project: 1690004905 EXPRESS CLEANERS (F
Pace Project No.: 40185793

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|---|---|---|---|---|
| **40185793001** | **MW-15** | Water | 04/10/19 11:15 | 04/13/19 08:25 |
| **40185793002** | **MW-6** | Water | 04/10/19 12:00 | 04/13/19 08:25 |
| **40185793003** | **MW-16** | Water | 04/10/19 12:45 | 04/13/19 08:25 |
| **40185793004** | **MW-13** | Water | 04/10/19 13:30 | 04/13/19 08:25 |
| **40185793005** | **MW-12** | Water | 04/10/19 14:20 | 04/13/19 08:25 |
| **40185793006** | **MW-9** | Water | 04/10/19 15:20 | 04/13/19 08:25 |
| **40185793007** | **MW-9 DUP** | Water | 04/10/19 15:20 | 04/13/19 08:25 |
| **40185793008** | **MW-1** | Water | 04/11/19 10:20 | 04/13/19 08:25 |
| **40185793009** | **PZ-1** | Water | 04/11/19 11:00 | 04/13/19 08:25 |
| **40185793010** | **MW-3R** | Water | 04/11/19 12:00 | 04/13/19 08:25 |
| **40185793011** | **MW-8** | Water | 04/11/19 13:05 | 04/13/19 08:25 |
| **40185793012** | **TRIP BLANK** | Water | 04/11/19 00:00 | 04/13/19 08:25 |

## REPORT OF LABORATORY ANALYSIS

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

## SAMPLE ANALYTE COUNT

Project: 1690004905 EXPRESS CLEANERS (F
Pace Project No.: 40185793

| Lab ID | Sample ID | Method | Analysts | Analytes Reported | Laboratory |
|---|---|---|---|---|---|
| **40185793001** | **MW-15** | EPA 8260 | HNW | 65 | PASI-G |
| **40185793002** | **MW-6** | EPA 8260 | HNW | 65 | PASI-G |
| **40185793003** | **MW-16** | EPA 8260 | HNW | 65 | PASI-G |
| **40185793004** | **MW-13** | EPA 8260 | HNW | 65 | PASI-G |
| **40185793005** | **MW-12** | EPA 8260 | HNW | 65 | PASI-G |
| **40185793006** | **MW-9** | EPA 8260 | HNW | 65 | PASI-G |
| **40185793007** | **MW-9 DUP** | EPA 8260 | HNW | 65 | PASI-G |
| **40185793008** | **MW-1** | EPA 8260 | HNW | 65 | PASI-G |
| **40185793009** | **PZ-1** | EPA 8260 | HNW | 65 | PASI-G |
| **40185793010** | **MW-3R** | EPA 8015B Modified | ALD | 3 | PASI-G |
| | | EPA 8260 | HNW | 65 | PASI-G |
| | | EPA 300.0 | HMB | 1 | PASI-G |
| | | EPA 353.2 | DAW | 1 | PASI-G |
| | | SM 5310C | TJJ | 1 | PASI-G |
| **40185793011** | **MW-8** | EPA 8015B Modified | ALD | 3 | PASI-G |
| | | EPA 8260 | HNW | 65 | PASI-G |
| | | EPA 300.0 | HMB | 1 | PASI-G |
| | | EPA 353.2 | DAW | 1 | PASI-G |
| | | SM 5310C | TJJ | 1 | PASI-G |
| **40185793012** | **TRIP BLANK** | EPA 8260 | HNW | 65 | PASI-G |

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

## SUMMARY OF DETECTION

Project: 1690004905 EXPRESS CLEANERS (F
Pace Project No.: 40185793

| Lab Sample ID / Method | Client Sample ID / Parameters | Result | Units | Report Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|---|
| **40185793002** | **MW-6** | | | | | |
| EPA 8260 | cis-1,2-Dichloroethene | 12.3 | ug/L | 1.0 | 04/16/19 10:31 | |
| EPA 8260 | Tetrachloroethene | 14.4 | ug/L | 1.1 | 04/16/19 10:31 | |
| EPA 8260 | Trichloroethene | 4.2 | ug/L | 1.0 | 04/16/19 10:31 | |
| EPA 8260 | Vinyl chloride | 0.22J | ug/L | 1.0 | 04/16/19 10:31 | |
| **40185793004** | **MW-13** | | | | | |
| EPA 8260 | cis-1,2-Dichloroethene | 6.7 | ug/L | 1.0 | 04/16/19 13:02 | |
| **40185793006** | **MW-9** | | | | | |
| EPA 8260 | cis-1,2-Dichloroethene | 53.7 | ug/L | 1.0 | 04/16/19 16:58 | |
| EPA 8260 | Tetrachloroethene | 2.6 | ug/L | 1.1 | 04/16/19 16:58 | |
| EPA 8260 | Trichloroethene | 0.59J | ug/L | 1.0 | 04/16/19 16:58 | |
| EPA 8260 | Vinyl chloride | 1.3 | ug/L | 1.0 | 04/16/19 16:58 | |
| **40185793007** | **MW-9 DUP** | | | | | |
| EPA 8260 | cis-1,2-Dichloroethene | 52.1 | ug/L | 1.0 | 04/16/19 17:19 | |
| EPA 8260 | Tetrachloroethene | 2.8 | ug/L | 1.1 | 04/16/19 17:19 | |
| EPA 8260 | Trichloroethene | 0.64J | ug/L | 1.0 | 04/16/19 17:19 | |
| EPA 8260 | Vinyl chloride | 1.2 | ug/L | 1.0 | 04/16/19 17:19 | |
| **40185793008** | **MW-1** | | | | | |
| EPA 8260 | cis-1,2-Dichloroethene | 4120 | ug/L | 50.0 | 04/16/19 17:41 | |
| EPA 8260 | trans-1,2-Dichloroethene | 124J | ug/L | 182 | 04/16/19 17:41 | |
| EPA 8260 | Tetrachloroethene | 185 | ug/L | 54.4 | 04/16/19 17:41 | |
| EPA 8260 | Trichloroethene | 83.4 | ug/L | 50.0 | 04/16/19 17:41 | |
| EPA 8260 | Vinyl chloride | 174 | ug/L | 50.0 | 04/16/19 17:41 | |
| **40185793009** | **PZ-1** | | | | | |
| EPA 8260 | cis-1,2-Dichloroethene | 0.64J | ug/L | 1.0 | 04/16/19 13:44 | |
| EPA 8260 | Tetrachloroethene | 0.70J | ug/L | 1.1 | 04/16/19 13:44 | |
| **40185793010** | **MW-3R** | | | | | |
| EPA 8015B Modified | Ethane | 37.9 | ug/L | 5.6 | 04/17/19 09:37 | |
| EPA 8015B Modified | Ethene | 64.9 | ug/L | 5.0 | 04/17/19 09:37 | |
| EPA 8015B Modified | Methane | 6940 | ug/L | 140 | 04/17/19 11:29 | |
| EPA 8260 | cis-1,2-Dichloroethene | 2340 | ug/L | 50.0 | 04/16/19 11:36 | |
| EPA 8260 | Vinyl chloride | 26.5J | ug/L | 50.0 | 04/16/19 11:36 | |
| SM 5310C | Total Organic Carbon | 536 | mg/L | 252 | 04/19/19 09:38 | |
| **40185793011** | **MW-8** | | | | | |
| EPA 8015B Modified | Ethane | 13.5 | ug/L | 5.6 | 04/17/19 09:44 | |
| EPA 8015B Modified | Ethene | 8.7 | ug/L | 5.0 | 04/17/19 09:44 | |
| EPA 8015B Modified | Methane | 5790 | ug/L | 140 | 04/17/19 11:36 | |
| EPA 8260 | cis-1,2-Dichloroethene | 1040 | ug/L | 10.0 | 04/16/19 11:57 | |
| EPA 8260 | trans-1,2-Dichloroethene | 21.5J | ug/L | 36.4 | 04/16/19 11:57 | |
| EPA 8260 | Vinyl chloride | 3.8J | ug/L | 10.0 | 04/16/19 11:57 | |
| SM 5310C | Total Organic Carbon | 9.8 | mg/L | 8.4 | 04/19/19 09:59 | |

## REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 1690004905 EXPRESS CLEANERS (F
Pace Project No.: 40185793

**Sample: MW-15** **Lab ID: 40185793001** Collected: 04/10/19 11:15 Received: 04/13/19 08:25 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 | | 04/16/19 12:19 | 71-43-2 | |
| Bromobenzene | **<0.24** | ug/L | 1.0 | 0.24 | 1 | | 04/16/19 12:19 | 108-86-1 | |
| Bromochloromethane | **<0.36** | ug/L | 5.0 | 0.36 | 1 | | 04/16/19 12:19 | 74-97-5 | |
| Bromodichloromethane | **<0.36** | ug/L | 1.2 | 0.36 | 1 | | 04/16/19 12:19 | 75-27-4 | |
| Bromoform | **<4.0** | ug/L | 13.2 | 4.0 | 1 | | 04/16/19 12:19 | 75-25-2 | |
| Bromomethane | **<0.97** | ug/L | 5.0 | 0.97 | 1 | | 04/16/19 12:19 | 74-83-9 | |
| n-Butylbenzene | **<0.71** | ug/L | 2.4 | 0.71 | 1 | | 04/16/19 12:19 | 104-51-8 | |
| sec-Butylbenzene | **<0.85** | ug/L | 5.0 | 0.85 | 1 | | 04/16/19 12:19 | 135-98-8 | |
| tert-Butylbenzene | **<0.30** | ug/L | 1.0 | 0.30 | 1 | | 04/16/19 12:19 | 98-06-6 | |
| Carbon tetrachloride | **<0.17** | ug/L | 1.0 | 0.17 | 1 | | 04/16/19 12:19 | 56-23-5 | |
| Chlorobenzene | **<0.71** | ug/L | 2.4 | 0.71 | 1 | | 04/16/19 12:19 | 108-90-7 | |
| Chloroethane | **<1.3** | ug/L | 5.0 | 1.3 | 1 | | 04/16/19 12:19 | 75-00-3 | |
| Chloroform | **<1.3** | ug/L | 5.0 | 1.3 | 1 | | 04/16/19 12:19 | 67-66-3 | |
| Chloromethane | **<2.2** | ug/L | 7.3 | 2.2 | 1 | | 04/16/19 12:19 | 74-87-3 | |
| 2-Chlorotoluene | **<0.93** | ug/L | 5.0 | 0.93 | 1 | | 04/16/19 12:19 | 95-49-8 | |
| 4-Chlorotoluene | **<0.76** | ug/L | 2.5 | 0.76 | 1 | | 04/16/19 12:19 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | **<1.8** | ug/L | 5.9 | 1.8 | 1 | | 04/16/19 12:19 | 96-12-8 | |
| Dibromochloromethane | **<2.6** | ug/L | 8.7 | 2.6 | 1 | | 04/16/19 12:19 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | **<0.83** | ug/L | 2.8 | 0.83 | 1 | | 04/16/19 12:19 | 106-93-4 | |
| Dibromomethane | **<0.94** | ug/L | 3.1 | 0.94 | 1 | | 04/16/19 12:19 | 74-95-3 | |
| 1,2-Dichlorobenzene | **<0.71** | ug/L | 2.4 | 0.71 | 1 | | 04/16/19 12:19 | 95-50-1 | |
| 1,3-Dichlorobenzene | **<0.63** | ug/L | 2.1 | 0.63 | 1 | | 04/16/19 12:19 | 541-73-1 | |
| 1,4-Dichlorobenzene | **<0.94** | ug/L | 3.1 | 0.94 | 1 | | 04/16/19 12:19 | 106-46-7 | |
| Dichlorodifluoromethane | **<0.50** | ug/L | 5.0 | 0.50 | 1 | | 04/16/19 12:19 | 75-71-8 | |
| 1,1-Dichloroethane | **<0.27** | ug/L | 1.0 | 0.27 | 1 | | 04/16/19 12:19 | 75-34-3 | |
| 1,2-Dichloroethane | **<0.28** | ug/L | 1.0 | 0.28 | 1 | | 04/16/19 12:19 | 107-06-2 | |
| 1,1-Dichloroethene | **<0.24** | ug/L | 1.0 | 0.24 | 1 | | 04/16/19 12:19 | 75-35-4 | |
| cis-1,2-Dichloroethene | **<0.27** | ug/L | 1.0 | 0.27 | 1 | | 04/16/19 12:19 | 156-59-2 | |
| trans-1,2-Dichloroethene | **<1.1** | ug/L | 3.6 | 1.1 | 1 | | 04/16/19 12:19 | 156-60-5 | |
| 1,2-Dichloropropane | **<0.28** | ug/L | 1.0 | 0.28 | 1 | | 04/16/19 12:19 | 78-87-5 | |
| 1,3-Dichloropropane | **<0.83** | ug/L | 2.8 | 0.83 | 1 | | 04/16/19 12:19 | 142-28-9 | |
| 2,2-Dichloropropane | **<2.3** | ug/L | 7.6 | 2.3 | 1 | | 04/16/19 12:19 | 594-20-7 | |
| 1,1-Dichloropropene | **<0.54** | ug/L | 1.8 | 0.54 | 1 | | 04/16/19 12:19 | 563-58-6 | |
| cis-1,3-Dichloropropene | **<3.6** | ug/L | 12.1 | 3.6 | 1 | | 04/16/19 12:19 | 10061-01-5 | |
| trans-1,3-Dichloropropene | **<4.4** | ug/L | 14.6 | 4.4 | 1 | | 04/16/19 12:19 | 10061-02-6 | |
| Diisopropyl ether | **<1.9** | ug/L | 6.3 | 1.9 | 1 | | 04/16/19 12:19 | 108-20-3 | |
| Ethylbenzene | **<0.22** | ug/L | 1.0 | 0.22 | 1 | | 04/16/19 12:19 | 100-41-4 | |
| Hexachloro-1,3-butadiene | **<1.2** | ug/L | 5.0 | 1.2 | 1 | | 04/16/19 12:19 | 87-68-3 | |
| Isopropylbenzene (Cumene) | **<0.39** | ug/L | 5.0 | 0.39 | 1 | | 04/16/19 12:19 | 98-82-8 | |
| p-Isopropyltoluene | **<0.80** | ug/L | 2.7 | 0.80 | 1 | | 04/16/19 12:19 | 99-87-6 | |
| Methylene Chloride | **<0.58** | ug/L | 5.0 | 0.58 | 1 | | 04/16/19 12:19 | 75-09-2 | |
| Methyl-tert-butyl ether | **<1.2** | ug/L | 4.2 | 1.2 | 1 | | 04/16/19 12:19 | 1634-04-4 | |
| Naphthalene | **<1.2** | ug/L | 5.0 | 1.2 | 1 | | 04/16/19 12:19 | 91-20-3 | |
| n-Propylbenzene | **<0.81** | ug/L | 5.0 | 0.81 | 1 | | 04/16/19 12:19 | 103-65-1 | |
| Styrene | **<0.47** | ug/L | 1.6 | 0.47 | 1 | | 04/16/19 12:19 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | **<0.27** | ug/L | 1.0 | 0.27 | 1 | | 04/16/19 12:19 | 630-20-6 | |

## REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 1690004905 EXPRESS CLEANERS (F
Pace Project No.: 40185793

**Sample: MW-15** **Lab ID: 40185793001** Collected: 04/10/19 11:15 Received: 04/13/19 08:25 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 | | 04/16/19 12:19 | 79-34-5 | |
| Tetrachloroethene | **<0.33** | ug/L | 1.1 | 0.33 | 1 | | 04/16/19 12:19 | 127-18-4 | |
| Toluene | **<0.17** | ug/L | 5.0 | 0.17 | 1 | | 04/16/19 12:19 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | **<0.63** | ug/L | 5.0 | 0.63 | 1 | | 04/16/19 12:19 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | **<0.95** | ug/L | 5.0 | 0.95 | 1 | | 04/16/19 12:19 | 120-82-1 | |
| 1,1,1-Trichloroethane | **<0.24** | ug/L | 1.0 | 0.24 | 1 | | 04/16/19 12:19 | 71-55-6 | |
| 1,1,2-Trichloroethane | **<0.55** | ug/L | 5.0 | 0.55 | 1 | | 04/16/19 12:19 | 79-00-5 | |
| Trichloroethene | **<0.26** | ug/L | 1.0 | 0.26 | 1 | | 04/16/19 12:19 | 79-01-6 | |
| Trichlorofluoromethane | **<0.21** | ug/L | 1.0 | 0.21 | 1 | | 04/16/19 12:19 | 75-69-4 | |
| 1,2,3-Trichloropropane | **<0.59** | ug/L | 5.0 | 0.59 | 1 | | 04/16/19 12:19 | 96-18-4 | |
| 1,2,4-Trimethylbenzene | **<0.84** | ug/L | 2.8 | 0.84 | 1 | | 04/16/19 12:19 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | **<0.87** | ug/L | 2.9 | 0.87 | 1 | | 04/16/19 12:19 | 108-67-8 | |
| Vinyl chloride | **<0.17** | ug/L | 1.0 | 0.17 | 1 | | 04/16/19 12:19 | 75-01-4 | |
| Xylene (Total) | **<1.5** | ug/L | 3.0 | 1.5 | 1 | | 04/16/19 12:19 | 1330-20-7 | |
| m&p-Xylene | **<0.47** | ug/L | 2.0 | 0.47 | 1 | | 04/16/19 12:19 | 179601-23-1 | |
| o-Xylene | **<0.26** | ug/L | 1.0 | 0.26 | 1 | | 04/16/19 12:19 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 89 | % | 70-130 | | 1 | | 04/16/19 12:19 | 460-00-4 | |
| Dibromofluoromethane (S) | 101 | % | 70-130 | | 1 | | 04/16/19 12:19 | 1868-53-7 | |
| Toluene-d8 (S) | 96 | % | 70-130 | | 1 | | 04/16/19 12:19 | 2037-26-5 | |

## REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 1690004905 EXPRESS CLEANERS (F
Pace Project No.: 40185793

**Sample: MW-6** **Lab ID: 40185793002** Collected: 04/10/19 12:00 Received: 04/13/19 08:25 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 | | 04/16/19 10:31 | 71-43-2 | |
| Bromobenzene | **<0.24** | ug/L | 1.0 | 0.24 | 1 | | 04/16/19 10:31 | 108-86-1 | |
| Bromochloromethane | **<0.36** | ug/L | 5.0 | 0.36 | 1 | | 04/16/19 10:31 | 74-97-5 | |
| Bromodichloromethane | **<0.36** | ug/L | 1.2 | 0.36 | 1 | | 04/16/19 10:31 | 75-27-4 | |
| Bromoform | **<4.0** | ug/L | 13.2 | 4.0 | 1 | | 04/16/19 10:31 | 75-25-2 | |
| Bromomethane | **<0.97** | ug/L | 5.0 | 0.97 | 1 | | 04/16/19 10:31 | 74-83-9 | |
| n-Butylbenzene | **<0.71** | ug/L | 2.4 | 0.71 | 1 | | 04/16/19 10:31 | 104-51-8 | |
| sec-Butylbenzene | **<0.85** | ug/L | 5.0 | 0.85 | 1 | | 04/16/19 10:31 | 135-98-8 | |
| tert-Butylbenzene | **<0.30** | ug/L | 1.0 | 0.30 | 1 | | 04/16/19 10:31 | 98-06-6 | |
| Carbon tetrachloride | **<0.17** | ug/L | 1.0 | 0.17 | 1 | | 04/16/19 10:31 | 56-23-5 | |
| Chlorobenzene | **<0.71** | ug/L | 2.4 | 0.71 | 1 | | 04/16/19 10:31 | 108-90-7 | |
| Chloroethane | **<1.3** | ug/L | 5.0 | 1.3 | 1 | | 04/16/19 10:31 | 75-00-3 | |
| Chloroform | **<1.3** | ug/L | 5.0 | 1.3 | 1 | | 04/16/19 10:31 | 67-66-3 | |
| Chloromethane | **<2.2** | ug/L | 7.3 | 2.2 | 1 | | 04/16/19 10:31 | 74-87-3 | |
| 2-Chlorotoluene | **<0.93** | ug/L | 5.0 | 0.93 | 1 | | 04/16/19 10:31 | 95-49-8 | |
| 4-Chlorotoluene | **<0.76** | ug/L | 2.5 | 0.76 | 1 | | 04/16/19 10:31 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | **<1.8** | ug/L | 5.9 | 1.8 | 1 | | 04/16/19 10:31 | 96-12-8 | |
| Dibromochloromethane | **<2.6** | ug/L | 8.7 | 2.6 | 1 | | 04/16/19 10:31 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | **<0.83** | ug/L | 2.8 | 0.83 | 1 | | 04/16/19 10:31 | 106-93-4 | |
| Dibromomethane | **<0.94** | ug/L | 3.1 | 0.94 | 1 | | 04/16/19 10:31 | 74-95-3 | |
| 1,2-Dichlorobenzene | **<0.71** | ug/L | 2.4 | 0.71 | 1 | | 04/16/19 10:31 | 95-50-1 | |
| 1,3-Dichlorobenzene | **<0.63** | ug/L | 2.1 | 0.63 | 1 | | 04/16/19 10:31 | 541-73-1 | |
| 1,4-Dichlorobenzene | **<0.94** | ug/L | 3.1 | 0.94 | 1 | | 04/16/19 10:31 | 106-46-7 | |
| Dichlorodifluoromethane | **<0.50** | ug/L | 5.0 | 0.50 | 1 | | 04/16/19 10:31 | 75-71-8 | |
| 1,1-Dichloroethane | **<0.27** | ug/L | 1.0 | 0.27 | 1 | | 04/16/19 10:31 | 75-34-3 | |
| 1,2-Dichloroethane | **<0.28** | ug/L | 1.0 | 0.28 | 1 | | 04/16/19 10:31 | 107-06-2 | |
| 1,1-Dichloroethene | **<0.24** | ug/L | 1.0 | 0.24 | 1 | | 04/16/19 10:31 | 75-35-4 | |
| cis-1,2-Dichloroethene | **12.3** | ug/L | 1.0 | 0.27 | 1 | | 04/16/19 10:31 | 156-59-2 | |
| trans-1,2-Dichloroethene | **<1.1** | ug/L | 3.6 | 1.1 | 1 | | 04/16/19 10:31 | 156-60-5 | |
| 1,2-Dichloropropane | **<0.28** | ug/L | 1.0 | 0.28 | 1 | | 04/16/19 10:31 | 78-87-5 | |
| 1,3-Dichloropropane | **<0.83** | ug/L | 2.8 | 0.83 | 1 | | 04/16/19 10:31 | 142-28-9 | |
| 2,2-Dichloropropane | **<2.3** | ug/L | 7.6 | 2.3 | 1 | | 04/16/19 10:31 | 594-20-7 | |
| 1,1-Dichloropropene | **<0.54** | ug/L | 1.8 | 0.54 | 1 | | 04/16/19 10:31 | 563-58-6 | |
| cis-1,3-Dichloropropene | **<3.6** | ug/L | 12.1 | 3.6 | 1 | | 04/16/19 10:31 | 10061-01-5 | |
| trans-1,3-Dichloropropene | **<4.4** | ug/L | 14.6 | 4.4 | 1 | | 04/16/19 10:31 | 10061-02-6 | |
| Diisopropyl ether | **<1.9** | ug/L | 6.3 | 1.9 | 1 | | 04/16/19 10:31 | 108-20-3 | |
| Ethylbenzene | **<0.22** | ug/L | 1.0 | 0.22 | 1 | | 04/16/19 10:31 | 100-41-4 | |
| Hexachloro-1,3-butadiene | **<1.2** | ug/L | 5.0 | 1.2 | 1 | | 04/16/19 10:31 | 87-68-3 | |
| Isopropylbenzene (Cumene) | **<0.39** | ug/L | 5.0 | 0.39 | 1 | | 04/16/19 10:31 | 98-82-8 | |
| p-Isopropyltoluene | **<0.80** | ug/L | 2.7 | 0.80 | 1 | | 04/16/19 10:31 | 99-87-6 | |
| Methylene Chloride | **<0.58** | ug/L | 5.0 | 0.58 | 1 | | 04/16/19 10:31 | 75-09-2 | |
| Methyl-tert-butyl ether | **<1.2** | ug/L | 4.2 | 1.2 | 1 | | 04/16/19 10:31 | 1634-04-4 | |
| Naphthalene | **<1.2** | ug/L | 5.0 | 1.2 | 1 | | 04/16/19 10:31 | 91-20-3 | |
| n-Propylbenzene | **<0.81** | ug/L | 5.0 | 0.81 | 1 | | 04/16/19 10:31 | 103-65-1 | |
| Styrene | **<0.47** | ug/L | 1.6 | 0.47 | 1 | | 04/16/19 10:31 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | **<0.27** | ug/L | 1.0 | 0.27 | 1 | | 04/16/19 10:31 | 630-20-6 | |

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, LLC**
1241 Bellevue Street - Suite 9
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(920)469-2436

## ANALYTICAL RESULTS

Project: 1690004905 EXPRESS CLEANERS (F
Pace Project No.: 40185793

**Sample: MW-6** **Lab ID: 40185793002** Collected: 04/10/19 12:00 Received: 04/13/19 08:25 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 | | 04/16/19 10:31 | 79-34-5 | |
| Tetrachloroethene | **14.4** | ug/L | 1.1 | 0.33 | 1 | | 04/16/19 10:31 | 127-18-4 | |
| Toluene | **<0.17** | ug/L | 5.0 | 0.17 | 1 | | 04/16/19 10:31 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | **<0.63** | ug/L | 5.0 | 0.63 | 1 | | 04/16/19 10:31 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | **<0.95** | ug/L | 5.0 | 0.95 | 1 | | 04/16/19 10:31 | 120-82-1 | |
| 1,1,1-Trichloroethane | **<0.24** | ug/L | 1.0 | 0.24 | 1 | | 04/16/19 10:31 | 71-55-6 | |
| 1,1,2-Trichloroethane | **<0.55** | ug/L | 5.0 | 0.55 | 1 | | 04/16/19 10:31 | 79-00-5 | |
| Trichloroethene | **4.2** | ug/L | 1.0 | 0.26 | 1 | | 04/16/19 10:31 | 79-01-6 | |
| Trichlorofluoromethane | **<0.21** | ug/L | 1.0 | 0.21 | 1 | | 04/16/19 10:31 | 75-69-4 | |
| 1,2,3-Trichloropropane | **<0.59** | ug/L | 5.0 | 0.59 | 1 | | 04/16/19 10:31 | 96-18-4 | |
| 1,2,4-Trimethylbenzene | **<0.84** | ug/L | 2.8 | 0.84 | 1 | | 04/16/19 10:31 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | **<0.87** | ug/L | 2.9 | 0.87 | 1 | | 04/16/19 10:31 | 108-67-8 | |
| Vinyl chloride | **0.22J** | ug/L | 1.0 | 0.17 | 1 | | 04/16/19 10:31 | 75-01-4 | |
| Xylene (Total) | **<1.5** | ug/L | 3.0 | 1.5 | 1 | | 04/16/19 10:31 | 1330-20-7 | |
| m&p-Xylene | **<0.47** | ug/L | 2.0 | 0.47 | 1 | | 04/16/19 10:31 | 179601-23-1 | |
| o-Xylene | **<0.26** | ug/L | 1.0 | 0.26 | 1 | | 04/16/19 10:31 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 91 | % | 70-130 | | 1 | | 04/16/19 10:31 | 460-00-4 | |
| Dibromofluoromethane (S) | 97 | % | 70-130 | | 1 | | 04/16/19 10:31 | 1868-53-7 | |
| Toluene-d8 (S) | 99 | % | 70-130 | | 1 | | 04/16/19 10:31 | 2037-26-5 | |

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, LLC**
1241 Bellevue Street - Suite 9
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## ANALYTICAL RESULTS

Project: 1690004905 EXPRESS CLEANERS (F
Pace Project No.: 40185793

**Sample: MW-16** **Lab ID: 40185793003** Collected: 04/10/19 12:45 Received: 04/13/19 08:25 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 | | 04/16/19 12:40 | 71-43-2 | |
| Bromobenzene | **<0.24** | ug/L | 1.0 | 0.24 | 1 | | 04/16/19 12:40 | 108-86-1 | |
| Bromochloromethane | **<0.36** | ug/L | 5.0 | 0.36 | 1 | | 04/16/19 12:40 | 74-97-5 | |
| Bromodichloromethane | **<0.36** | ug/L | 1.2 | 0.36 | 1 | | 04/16/19 12:40 | 75-27-4 | |
| Bromoform | **<4.0** | ug/L | 13.2 | 4.0 | 1 | | 04/16/19 12:40 | 75-25-2 | |
| Bromomethane | **<0.97** | ug/L | 5.0 | 0.97 | 1 | | 04/16/19 12:40 | 74-83-9 | |
| n-Butylbenzene | **<0.71** | ug/L | 2.4 | 0.71 | 1 | | 04/16/19 12:40 | 104-51-8 | |
| sec-Butylbenzene | **<0.85** | ug/L | 5.0 | 0.85 | 1 | | 04/16/19 12:40 | 135-98-8 | |
| tert-Butylbenzene | **<0.30** | ug/L | 1.0 | 0.30 | 1 | | 04/16/19 12:40 | 98-06-6 | |
| Carbon tetrachloride | **<0.17** | ug/L | 1.0 | 0.17 | 1 | | 04/16/19 12:40 | 56-23-5 | |
| Chlorobenzene | **<0.71** | ug/L | 2.4 | 0.71 | 1 | | 04/16/19 12:40 | 108-90-7 | |
| Chloroethane | **<1.3** | ug/L | 5.0 | 1.3 | 1 | | 04/16/19 12:40 | 75-00-3 | |
| Chloroform | **<1.3** | ug/L | 5.0 | 1.3 | 1 | | 04/16/19 12:40 | 67-66-3 | |
| Chloromethane | **<2.2** | ug/L | 7.3 | 2.2 | 1 | | 04/16/19 12:40 | 74-87-3 | |
| 2-Chlorotoluene | **<0.93** | ug/L | 5.0 | 0.93 | 1 | | 04/16/19 12:40 | 95-49-8 | |
| 4-Chlorotoluene | **<0.76** | ug/L | 2.5 | 0.76 | 1 | | 04/16/19 12:40 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | **<1.8** | ug/L | 5.9 | 1.8 | 1 | | 04/16/19 12:40 | 96-12-8 | |
| Dibromochloromethane | **<2.6** | ug/L | 8.7 | 2.6 | 1 | | 04/16/19 12:40 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | **<0.83** | ug/L | 2.8 | 0.83 | 1 | | 04/16/19 12:40 | 106-93-4 | |
| Dibromomethane | **<0.94** | ug/L | 3.1 | 0.94 | 1 | | 04/16/19 12:40 | 74-95-3 | |
| 1,2-Dichlorobenzene | **<0.71** | ug/L | 2.4 | 0.71 | 1 | | 04/16/19 12:40 | 95-50-1 | |
| 1,3-Dichlorobenzene | **<0.63** | ug/L | 2.1 | 0.63 | 1 | | 04/16/19 12:40 | 541-73-1 | |
| 1,4-Dichlorobenzene | **<0.94** | ug/L | 3.1 | 0.94 | 1 | | 04/16/19 12:40 | 106-46-7 | |
| Dichlorodifluoromethane | **<0.50** | ug/L | 5.0 | 0.50 | 1 | | 04/16/19 12:40 | 75-71-8 | |
| 1,1-Dichloroethane | **<0.27** | ug/L | 1.0 | 0.27 | 1 | | 04/16/19 12:40 | 75-34-3 | |
| 1,2-Dichloroethane | **<0.28** | ug/L | 1.0 | 0.28 | 1 | | 04/16/19 12:40 | 107-06-2 | |
| 1,1-Dichloroethene | **<0.24** | ug/L | 1.0 | 0.24 | 1 | | 04/16/19 12:40 | 75-35-4 | |
| cis-1,2-Dichloroethene | **<0.27** | ug/L | 1.0 | 0.27 | 1 | | 04/16/19 12:40 | 156-59-2 | |
| trans-1,2-Dichloroethene | **<1.1** | ug/L | 3.6 | 1.1 | 1 | | 04/16/19 12:40 | 156-60-5 | |
| 1,2-Dichloropropane | **<0.28** | ug/L | 1.0 | 0.28 | 1 | | 04/16/19 12:40 | 78-87-5 | |
| 1,3-Dichloropropane | **<0.83** | ug/L | 2.8 | 0.83 | 1 | | 04/16/19 12:40 | 142-28-9 | |
| 2,2-Dichloropropane | **<2.3** | ug/L | 7.6 | 2.3 | 1 | | 04/16/19 12:40 | 594-20-7 | |
| 1,1-Dichloropropene | **<0.54** | ug/L | 1.8 | 0.54 | 1 | | 04/16/19 12:40 | 563-58-6 | |
| cis-1,3-Dichloropropene | **<3.6** | ug/L | 12.1 | 3.6 | 1 | | 04/16/19 12:40 | 10061-01-5 | |
| trans-1,3-Dichloropropene | **<4.4** | ug/L | 14.6 | 4.4 | 1 | | 04/16/19 12:40 | 10061-02-6 | |
| Diisopropyl ether | **<1.9** | ug/L | 6.3 | 1.9 | 1 | | 04/16/19 12:40 | 108-20-3 | |
| Ethylbenzene | **<0.22** | ug/L | 1.0 | 0.22 | 1 | | 04/16/19 12:40 | 100-41-4 | |
| Hexachloro-1,3-butadiene | **<1.2** | ug/L | 5.0 | 1.2 | 1 | | 04/16/19 12:40 | 87-68-3 | |
| Isopropylbenzene (Cumene) | **<0.39** | ug/L | 5.0 | 0.39 | 1 | | 04/16/19 12:40 | 98-82-8 | |
| p-Isopropyltoluene | **<0.80** | ug/L | 2.7 | 0.80 | 1 | | 04/16/19 12:40 | 99-87-6 | |
| Methylene Chloride | **<0.58** | ug/L | 5.0 | 0.58 | 1 | | 04/16/19 12:40 | 75-09-2 | |
| Methyl-tert-butyl ether | **<1.2** | ug/L | 4.2 | 1.2 | 1 | | 04/16/19 12:40 | 1634-04-4 | |
| Naphthalene | **<1.2** | ug/L | 5.0 | 1.2 | 1 | | 04/16/19 12:40 | 91-20-3 | |
| n-Propylbenzene | **<0.81** | ug/L | 5.0 | 0.81 | 1 | | 04/16/19 12:40 | 103-65-1 | |
| Styrene | **<0.47** | ug/L | 1.6 | 0.47 | 1 | | 04/16/19 12:40 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | **<0.27** | ug/L | 1.0 | 0.27 | 1 | | 04/16/19 12:40 | 630-20-6 | |

## REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 1690004905 EXPRESS CLEANERS (F
Pace Project No.: 40185793

**Sample: MW-16** **Lab ID: 40185793003** Collected: 04/10/19 12:45 Received: 04/13/19 08:25 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 | | 04/16/19 12:40 | 79-34-5 | |
| Tetrachloroethene | **<0.33** | ug/L | 1.1 | 0.33 | 1 | | 04/16/19 12:40 | 127-18-4 | |
| Toluene | **<0.17** | ug/L | 5.0 | 0.17 | 1 | | 04/16/19 12:40 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | **<0.63** | ug/L | 5.0 | 0.63 | 1 | | 04/16/19 12:40 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | **<0.95** | ug/L | 5.0 | 0.95 | 1 | | 04/16/19 12:40 | 120-82-1 | |
| 1,1,1-Trichloroethane | **<0.24** | ug/L | 1.0 | 0.24 | 1 | | 04/16/19 12:40 | 71-55-6 | |
| 1,1,2-Trichloroethane | **<0.55** | ug/L | 5.0 | 0.55 | 1 | | 04/16/19 12:40 | 79-00-5 | |
| Trichloroethene | **<0.26** | ug/L | 1.0 | 0.26 | 1 | | 04/16/19 12:40 | 79-01-6 | |
| Trichlorofluoromethane | **<0.21** | ug/L | 1.0 | 0.21 | 1 | | 04/16/19 12:40 | 75-69-4 | |
| 1,2,3-Trichloropropane | **<0.59** | ug/L | 5.0 | 0.59 | 1 | | 04/16/19 12:40 | 96-18-4 | |
| 1,2,4-Trimethylbenzene | **<0.84** | ug/L | 2.8 | 0.84 | 1 | | 04/16/19 12:40 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | **<0.87** | ug/L | 2.9 | 0.87 | 1 | | 04/16/19 12:40 | 108-67-8 | |
| Vinyl chloride | **<0.17** | ug/L | 1.0 | 0.17 | 1 | | 04/16/19 12:40 | 75-01-4 | |
| Xylene (Total) | **<1.5** | ug/L | 3.0 | 1.5 | 1 | | 04/16/19 12:40 | 1330-20-7 | |
| m&p-Xylene | **<0.47** | ug/L | 2.0 | 0.47 | 1 | | 04/16/19 12:40 | 179601-23-1 | |
| o-Xylene | **<0.26** | ug/L | 1.0 | 0.26 | 1 | | 04/16/19 12:40 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 90 | % | 70-130 | | 1 | | 04/16/19 12:40 | 460-00-4 | |
| Dibromofluoromethane (S) | 102 | % | 70-130 | | 1 | | 04/16/19 12:40 | 1868-53-7 | |
| Toluene-d8 (S) | 99 | % | 70-130 | | 1 | | 04/16/19 12:40 | 2037-26-5 | |

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 1690004905 EXPRESS CLEANERS (F
Pace Project No.: 40185793

**Sample: MW-13** **Lab ID: 40185793004** Collected: 04/10/19 13:30 Received: 04/13/19 08:25 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 | | 04/16/19 13:02 | 71-43-2 | |
| Bromobenzene | **<0.24** | ug/L | 1.0 | 0.24 | 1 | | 04/16/19 13:02 | 108-86-1 | |
| Bromochloromethane | **<0.36** | ug/L | 5.0 | 0.36 | 1 | | 04/16/19 13:02 | 74-97-5 | |
| Bromodichloromethane | **<0.36** | ug/L | 1.2 | 0.36 | 1 | | 04/16/19 13:02 | 75-27-4 | |
| Bromoform | **<4.0** | ug/L | 13.2 | 4.0 | 1 | | 04/16/19 13:02 | 75-25-2 | |
| Bromomethane | **<0.97** | ug/L | 5.0 | 0.97 | 1 | | 04/16/19 13:02 | 74-83-9 | |
| n-Butylbenzene | **<0.71** | ug/L | 2.4 | 0.71 | 1 | | 04/16/19 13:02 | 104-51-8 | |
| sec-Butylbenzene | **<0.85** | ug/L | 5.0 | 0.85 | 1 | | 04/16/19 13:02 | 135-98-8 | |
| tert-Butylbenzene | **<0.30** | ug/L | 1.0 | 0.30 | 1 | | 04/16/19 13:02 | 98-06-6 | |
| Carbon tetrachloride | **<0.17** | ug/L | 1.0 | 0.17 | 1 | | 04/16/19 13:02 | 56-23-5 | |
| Chlorobenzene | **<0.71** | ug/L | 2.4 | 0.71 | 1 | | 04/16/19 13:02 | 108-90-7 | |
| Chloroethane | **<1.3** | ug/L | 5.0 | 1.3 | 1 | | 04/16/19 13:02 | 75-00-3 | |
| Chloroform | **<1.3** | ug/L | 5.0 | 1.3 | 1 | | 04/16/19 13:02 | 67-66-3 | |
| Chloromethane | **<2.2** | ug/L | 7.3 | 2.2 | 1 | | 04/16/19 13:02 | 74-87-3 | |
| 2-Chlorotoluene | **<0.93** | ug/L | 5.0 | 0.93 | 1 | | 04/16/19 13:02 | 95-49-8 | |
| 4-Chlorotoluene | **<0.76** | ug/L | 2.5 | 0.76 | 1 | | 04/16/19 13:02 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | **<1.8** | ug/L | 5.9 | 1.8 | 1 | | 04/16/19 13:02 | 96-12-8 | |
| Dibromochloromethane | **<2.6** | ug/L | 8.7 | 2.6 | 1 | | 04/16/19 13:02 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | **<0.83** | ug/L | 2.8 | 0.83 | 1 | | 04/16/19 13:02 | 106-93-4 | |
| Dibromomethane | **<0.94** | ug/L | 3.1 | 0.94 | 1 | | 04/16/19 13:02 | 74-95-3 | |
| 1,2-Dichlorobenzene | **<0.71** | ug/L | 2.4 | 0.71 | 1 | | 04/16/19 13:02 | 95-50-1 | |
| 1,3-Dichlorobenzene | **<0.63** | ug/L | 2.1 | 0.63 | 1 | | 04/16/19 13:02 | 541-73-1 | |
| 1,4-Dichlorobenzene | **<0.94** | ug/L | 3.1 | 0.94 | 1 | | 04/16/19 13:02 | 106-46-7 | |
| Dichlorodifluoromethane | **<0.50** | ug/L | 5.0 | 0.50 | 1 | | 04/16/19 13:02 | 75-71-8 | |
| 1,1-Dichloroethane | **<0.27** | ug/L | 1.0 | 0.27 | 1 | | 04/16/19 13:02 | 75-34-3 | |
| 1,2-Dichloroethane | **<0.28** | ug/L | 1.0 | 0.28 | 1 | | 04/16/19 13:02 | 107-06-2 | |
| 1,1-Dichloroethene | **<0.24** | ug/L | 1.0 | 0.24 | 1 | | 04/16/19 13:02 | 75-35-4 | |
| cis-1,2-Dichloroethene | **6.7** | ug/L | 1.0 | 0.27 | 1 | | 04/16/19 13:02 | 156-59-2 | |
| trans-1,2-Dichloroethene | **<1.1** | ug/L | 3.6 | 1.1 | 1 | | 04/16/19 13:02 | 156-60-5 | |
| 1,2-Dichloropropane | **<0.28** | ug/L | 1.0 | 0.28 | 1 | | 04/16/19 13:02 | 78-87-5 | |
| 1,3-Dichloropropane | **<0.83** | ug/L | 2.8 | 0.83 | 1 | | 04/16/19 13:02 | 142-28-9 | |
| 2,2-Dichloropropane | **<2.3** | ug/L | 7.6 | 2.3 | 1 | | 04/16/19 13:02 | 594-20-7 | |
| 1,1-Dichloropropene | **<0.54** | ug/L | 1.8 | 0.54 | 1 | | 04/16/19 13:02 | 563-58-6 | |
| cis-1,3-Dichloropropene | **<3.6** | ug/L | 12.1 | 3.6 | 1 | | 04/16/19 13:02 | 10061-01-5 | |
| trans-1,3-Dichloropropene | **<4.4** | ug/L | 14.6 | 4.4 | 1 | | 04/16/19 13:02 | 10061-02-6 | |
| Diisopropyl ether | **<1.9** | ug/L | 6.3 | 1.9 | 1 | | 04/16/19 13:02 | 108-20-3 | |
| Ethylbenzene | **<0.22** | ug/L | 1.0 | 0.22 | 1 | | 04/16/19 13:02 | 100-41-4 | |
| Hexachloro-1,3-butadiene | **<1.2** | ug/L | 5.0 | 1.2 | 1 | | 04/16/19 13:02 | 87-68-3 | |
| Isopropylbenzene (Cumene) | **<0.39** | ug/L | 5.0 | 0.39 | 1 | | 04/16/19 13:02 | 98-82-8 | |
| p-Isopropyltoluene | **<0.80** | ug/L | 2.7 | 0.80 | 1 | | 04/16/19 13:02 | 99-87-6 | |
| Methylene Chloride | **<0.58** | ug/L | 5.0 | 0.58 | 1 | | 04/16/19 13:02 | 75-09-2 | |
| Methyl-tert-butyl ether | **<1.2** | ug/L | 4.2 | 1.2 | 1 | | 04/16/19 13:02 | 1634-04-4 | |
| Naphthalene | **<1.2** | ug/L | 5.0 | 1.2 | 1 | | 04/16/19 13:02 | 91-20-3 | |
| n-Propylbenzene | **<0.81** | ug/L | 5.0 | 0.81 | 1 | | 04/16/19 13:02 | 103-65-1 | |
| Styrene | **<0.47** | ug/L | 1.6 | 0.47 | 1 | | 04/16/19 13:02 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | **<0.27** | ug/L | 1.0 | 0.27 | 1 | | 04/16/19 13:02 | 630-20-6 | |

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, LLC**
1241 Bellevue Street - Suite 9
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## ANALYTICAL RESULTS

Project: 1690004905 EXPRESS CLEANERS (F
Pace Project No.: 40185793

**Sample: MW-13** **Lab ID: 40185793004** Collected: 04/10/19 13:30 Received: 04/13/19 08:25 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 | | 04/16/19 13:02 | 79-34-5 | |
| Tetrachloroethene | **<0.33** | ug/L | 1.1 | 0.33 | 1 | | 04/16/19 13:02 | 127-18-4 | |
| Toluene | **<0.17** | ug/L | 5.0 | 0.17 | 1 | | 04/16/19 13:02 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | **<0.63** | ug/L | 5.0 | 0.63 | 1 | | 04/16/19 13:02 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | **<0.95** | ug/L | 5.0 | 0.95 | 1 | | 04/16/19 13:02 | 120-82-1 | |
| 1,1,1-Trichloroethane | **<0.24** | ug/L | 1.0 | 0.24 | 1 | | 04/16/19 13:02 | 71-55-6 | |
| 1,1,2-Trichloroethane | **<0.55** | ug/L | 5.0 | 0.55 | 1 | | 04/16/19 13:02 | 79-00-5 | |
| Trichloroethene | **<0.26** | ug/L | 1.0 | 0.26 | 1 | | 04/16/19 13:02 | 79-01-6 | |
| Trichlorofluoromethane | **<0.21** | ug/L | 1.0 | 0.21 | 1 | | 04/16/19 13:02 | 75-69-4 | |
| 1,2,3-Trichloropropane | **<0.59** | ug/L | 5.0 | 0.59 | 1 | | 04/16/19 13:02 | 96-18-4 | |
| 1,2,4-Trimethylbenzene | **<0.84** | ug/L | 2.8 | 0.84 | 1 | | 04/16/19 13:02 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | **<0.87** | ug/L | 2.9 | 0.87 | 1 | | 04/16/19 13:02 | 108-67-8 | |
| Vinyl chloride | **<0.17** | ug/L | 1.0 | 0.17 | 1 | | 04/16/19 13:02 | 75-01-4 | |
| Xylene (Total) | **<1.5** | ug/L | 3.0 | 1.5 | 1 | | 04/16/19 13:02 | 1330-20-7 | |
| m&p-Xylene | **<0.47** | ug/L | 2.0 | 0.47 | 1 | | 04/16/19 13:02 | 179601-23-1 | |
| o-Xylene | **<0.26** | ug/L | 1.0 | 0.26 | 1 | | 04/16/19 13:02 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 89 | % | 70-130 | | 1 | | 04/16/19 13:02 | 460-00-4 | |
| Dibromofluoromethane (S) | 102 | % | 70-130 | | 1 | | 04/16/19 13:02 | 1868-53-7 | |
| Toluene-d8 (S) | 97 | % | 70-130 | | 1 | | 04/16/19 13:02 | 2037-26-5 | |

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, LLC**
1241 Bellevue Street - Suite 9
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## ANALYTICAL RESULTS

Project: 1690004905 EXPRESS CLEANERS (F
Pace Project No.: 40185793

**Sample: MW-12** **Lab ID: 40185793005** Collected: 04/10/19 14:20 Received: 04/13/19 08:25 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 | | 04/16/19 13:23 | 71-43-2 | |
| Bromobenzene | **<0.24** | ug/L | 1.0 | 0.24 | 1 | | 04/16/19 13:23 | 108-86-1 | |
| Bromochloromethane | **<0.36** | ug/L | 5.0 | 0.36 | 1 | | 04/16/19 13:23 | 74-97-5 | |
| Bromodichloromethane | **<0.36** | ug/L | 1.2 | 0.36 | 1 | | 04/16/19 13:23 | 75-27-4 | |
| Bromoform | **<4.0** | ug/L | 13.2 | 4.0 | 1 | | 04/16/19 13:23 | 75-25-2 | |
| Bromomethane | **<0.97** | ug/L | 5.0 | 0.97 | 1 | | 04/16/19 13:23 | 74-83-9 | |
| n-Butylbenzene | **<0.71** | ug/L | 2.4 | 0.71 | 1 | | 04/16/19 13:23 | 104-51-8 | |
| sec-Butylbenzene | **<0.85** | ug/L | 5.0 | 0.85 | 1 | | 04/16/19 13:23 | 135-98-8 | |
| tert-Butylbenzene | **<0.30** | ug/L | 1.0 | 0.30 | 1 | | 04/16/19 13:23 | 98-06-6 | |
| Carbon tetrachloride | **<0.17** | ug/L | 1.0 | 0.17 | 1 | | 04/16/19 13:23 | 56-23-5 | |
| Chlorobenzene | **<0.71** | ug/L | 2.4 | 0.71 | 1 | | 04/16/19 13:23 | 108-90-7 | |
| Chloroethane | **<1.3** | ug/L | 5.0 | 1.3 | 1 | | 04/16/19 13:23 | 75-00-3 | |
| Chloroform | **<1.3** | ug/L | 5.0 | 1.3 | 1 | | 04/16/19 13:23 | 67-66-3 | |
| Chloromethane | **<2.2** | ug/L | 7.3 | 2.2 | 1 | | 04/16/19 13:23 | 74-87-3 | |
| 2-Chlorotoluene | **<0.93** | ug/L | 5.0 | 0.93 | 1 | | 04/16/19 13:23 | 95-49-8 | |
| 4-Chlorotoluene | **<0.76** | ug/L | 2.5 | 0.76 | 1 | | 04/16/19 13:23 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | **<1.8** | ug/L | 5.9 | 1.8 | 1 | | 04/16/19 13:23 | 96-12-8 | |
| Dibromochloromethane | **<2.6** | ug/L | 8.7 | 2.6 | 1 | | 04/16/19 13:23 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | **<0.83** | ug/L | 2.8 | 0.83 | 1 | | 04/16/19 13:23 | 106-93-4 | |
| Dibromomethane | **<0.94** | ug/L | 3.1 | 0.94 | 1 | | 04/16/19 13:23 | 74-95-3 | |
| 1,2-Dichlorobenzene | **<0.71** | ug/L | 2.4 | 0.71 | 1 | | 04/16/19 13:23 | 95-50-1 | |
| 1,3-Dichlorobenzene | **<0.63** | ug/L | 2.1 | 0.63 | 1 | | 04/16/19 13:23 | 541-73-1 | |
| 1,4-Dichlorobenzene | **<0.94** | ug/L | 3.1 | 0.94 | 1 | | 04/16/19 13:23 | 106-46-7 | |
| Dichlorodifluoromethane | **<0.50** | ug/L | 5.0 | 0.50 | 1 | | 04/16/19 13:23 | 75-71-8 | |
| 1,1-Dichloroethane | **<0.27** | ug/L | 1.0 | 0.27 | 1 | | 04/16/19 13:23 | 75-34-3 | |
| 1,2-Dichloroethane | **<0.28** | ug/L | 1.0 | 0.28 | 1 | | 04/16/19 13:23 | 107-06-2 | |
| 1,1-Dichloroethene | **<0.24** | ug/L | 1.0 | 0.24 | 1 | | 04/16/19 13:23 | 75-35-4 | |
| cis-1,2-Dichloroethene | **<0.27** | ug/L | 1.0 | 0.27 | 1 | | 04/16/19 13:23 | 156-59-2 | |
| trans-1,2-Dichloroethene | **<1.1** | ug/L | 3.6 | 1.1 | 1 | | 04/16/19 13:23 | 156-60-5 | |
| 1,2-Dichloropropane | **<0.28** | ug/L | 1.0 | 0.28 | 1 | | 04/16/19 13:23 | 78-87-5 | |
| 1,3-Dichloropropane | **<0.83** | ug/L | 2.8 | 0.83 | 1 | | 04/16/19 13:23 | 142-28-9 | |
| 2,2-Dichloropropane | **<2.3** | ug/L | 7.6 | 2.3 | 1 | | 04/16/19 13:23 | 594-20-7 | |
| 1,1-Dichloropropene | **<0.54** | ug/L | 1.8 | 0.54 | 1 | | 04/16/19 13:23 | 563-58-6 | |
| cis-1,3-Dichloropropene | **<3.6** | ug/L | 12.1 | 3.6 | 1 | | 04/16/19 13:23 | 10061-01-5 | |
| trans-1,3-Dichloropropene | **<4.4** | ug/L | 14.6 | 4.4 | 1 | | 04/16/19 13:23 | 10061-02-6 | |
| Diisopropyl ether | **<1.9** | ug/L | 6.3 | 1.9 | 1 | | 04/16/19 13:23 | 108-20-3 | |
| Ethylbenzene | **<0.22** | ug/L | 1.0 | 0.22 | 1 | | 04/16/19 13:23 | 100-41-4 | |
| Hexachloro-1,3-butadiene | **<1.2** | ug/L | 5.0 | 1.2 | 1 | | 04/16/19 13:23 | 87-68-3 | |
| Isopropylbenzene (Cumene) | **<0.39** | ug/L | 5.0 | 0.39 | 1 | | 04/16/19 13:23 | 98-82-8 | |
| p-Isopropyltoluene | **<0.80** | ug/L | 2.7 | 0.80 | 1 | | 04/16/19 13:23 | 99-87-6 | |
| Methylene Chloride | **<0.58** | ug/L | 5.0 | 0.58 | 1 | | 04/16/19 13:23 | 75-09-2 | |
| Methyl-tert-butyl ether | **<1.2** | ug/L | 4.2 | 1.2 | 1 | | 04/16/19 13:23 | 1634-04-4 | |
| Naphthalene | **<1.2** | ug/L | 5.0 | 1.2 | 1 | | 04/16/19 13:23 | 91-20-3 | |
| n-Propylbenzene | **<0.81** | ug/L | 5.0 | 0.81 | 1 | | 04/16/19 13:23 | 103-65-1 | |
| Styrene | **<0.47** | ug/L | 1.6 | 0.47 | 1 | | 04/16/19 13:23 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | **<0.27** | ug/L | 1.0 | 0.27 | 1 | | 04/16/19 13:23 | 630-20-6 | |

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, LLC**
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## ANALYTICAL RESULTS

Project: 1690004905 EXPRESS CLEANERS (F
Pace Project No.: 40185793

**Sample: MW-12** **Lab ID: 40185793005** Collected: 04/10/19 14:20 Received: 04/13/19 08:25 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 | | 04/16/19 13:23 | 79-34-5 | |
| Tetrachloroethene | **<0.33** | ug/L | 1.1 | 0.33 | 1 | | 04/16/19 13:23 | 127-18-4 | |
| Toluene | **<0.17** | ug/L | 5.0 | 0.17 | 1 | | 04/16/19 13:23 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | **<0.63** | ug/L | 5.0 | 0.63 | 1 | | 04/16/19 13:23 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | **<0.95** | ug/L | 5.0 | 0.95 | 1 | | 04/16/19 13:23 | 120-82-1 | |
| 1,1,1-Trichloroethane | **<0.24** | ug/L | 1.0 | 0.24 | 1 | | 04/16/19 13:23 | 71-55-6 | |
| 1,1,2-Trichloroethane | **<0.55** | ug/L | 5.0 | 0.55 | 1 | | 04/16/19 13:23 | 79-00-5 | |
| Trichloroethene | **<0.26** | ug/L | 1.0 | 0.26 | 1 | | 04/16/19 13:23 | 79-01-6 | |
| Trichlorofluoromethane | **<0.21** | ug/L | 1.0 | 0.21 | 1 | | 04/16/19 13:23 | 75-69-4 | |
| 1,2,3-Trichloropropane | **<0.59** | ug/L | 5.0 | 0.59 | 1 | | 04/16/19 13:23 | 96-18-4 | |
| 1,2,4-Trimethylbenzene | **<0.84** | ug/L | 2.8 | 0.84 | 1 | | 04/16/19 13:23 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | **<0.87** | ug/L | 2.9 | 0.87 | 1 | | 04/16/19 13:23 | 108-67-8 | |
| Vinyl chloride | **<0.17** | ug/L | 1.0 | 0.17 | 1 | | 04/16/19 13:23 | 75-01-4 | |
| Xylene (Total) | **<1.5** | ug/L | 3.0 | 1.5 | 1 | | 04/16/19 13:23 | 1330-20-7 | |
| m&p-Xylene | **<0.47** | ug/L | 2.0 | 0.47 | 1 | | 04/16/19 13:23 | 179601-23-1 | |
| o-Xylene | **<0.26** | ug/L | 1.0 | 0.26 | 1 | | 04/16/19 13:23 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 89 | % | 70-130 | | 1 | | 04/16/19 13:23 | 460-00-4 | |
| Dibromofluoromethane (S) | 99 | % | 70-130 | | 1 | | 04/16/19 13:23 | 1868-53-7 | |
| Toluene-d8 (S) | 98 | % | 70-130 | | 1 | | 04/16/19 13:23 | 2037-26-5 | |

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, LLC**
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## ANALYTICAL RESULTS

Project: 1690004905 EXPRESS CLEANERS (F
Pace Project No.: 40185793

**Sample: MW-9** **Lab ID: 40185793006** Collected: 04/10/19 15:20 Received: 04/13/19 08:25 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 | | 04/16/19 16:58 | 71-43-2 | |
| Bromobenzene | **<0.24** | ug/L | 1.0 | 0.24 | 1 | | 04/16/19 16:58 | 108-86-1 | |
| Bromochloromethane | **<0.36** | ug/L | 5.0 | 0.36 | 1 | | 04/16/19 16:58 | 74-97-5 | |
| Bromodichloromethane | **<0.36** | ug/L | 1.2 | 0.36 | 1 | | 04/16/19 16:58 | 75-27-4 | |
| Bromoform | **<4.0** | ug/L | 13.2 | 4.0 | 1 | | 04/16/19 16:58 | 75-25-2 | |
| Bromomethane | **<0.97** | ug/L | 5.0 | 0.97 | 1 | | 04/16/19 16:58 | 74-83-9 | |
| n-Butylbenzene | **<0.71** | ug/L | 2.4 | 0.71 | 1 | | 04/16/19 16:58 | 104-51-8 | |
| sec-Butylbenzene | **<0.85** | ug/L | 5.0 | 0.85 | 1 | | 04/16/19 16:58 | 135-98-8 | |
| tert-Butylbenzene | **<0.30** | ug/L | 1.0 | 0.30 | 1 | | 04/16/19 16:58 | 98-06-6 | |
| Carbon tetrachloride | **<0.17** | ug/L | 1.0 | 0.17 | 1 | | 04/16/19 16:58 | 56-23-5 | |
| Chlorobenzene | **<0.71** | ug/L | 2.4 | 0.71 | 1 | | 04/16/19 16:58 | 108-90-7 | |
| Chloroethane | **<1.3** | ug/L | 5.0 | 1.3 | 1 | | 04/16/19 16:58 | 75-00-3 | |
| Chloroform | **<1.3** | ug/L | 5.0 | 1.3 | 1 | | 04/16/19 16:58 | 67-66-3 | |
| Chloromethane | **<2.2** | ug/L | 7.3 | 2.2 | 1 | | 04/16/19 16:58 | 74-87-3 | |
| 2-Chlorotoluene | **<0.93** | ug/L | 5.0 | 0.93 | 1 | | 04/16/19 16:58 | 95-49-8 | |
| 4-Chlorotoluene | **<0.76** | ug/L | 2.5 | 0.76 | 1 | | 04/16/19 16:58 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | **<1.8** | ug/L | 5.9 | 1.8 | 1 | | 04/16/19 16:58 | 96-12-8 | |
| Dibromochloromethane | **<2.6** | ug/L | 8.7 | 2.6 | 1 | | 04/16/19 16:58 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | **<0.83** | ug/L | 2.8 | 0.83 | 1 | | 04/16/19 16:58 | 106-93-4 | |
| Dibromomethane | **<0.94** | ug/L | 3.1 | 0.94 | 1 | | 04/16/19 16:58 | 74-95-3 | |
| 1,2-Dichlorobenzene | **<0.71** | ug/L | 2.4 | 0.71 | 1 | | 04/16/19 16:58 | 95-50-1 | |
| 1,3-Dichlorobenzene | **<0.63** | ug/L | 2.1 | 0.63 | 1 | | 04/16/19 16:58 | 541-73-1 | |
| 1,4-Dichlorobenzene | **<0.94** | ug/L | 3.1 | 0.94 | 1 | | 04/16/19 16:58 | 106-46-7 | |
| Dichlorodifluoromethane | **<0.50** | ug/L | 5.0 | 0.50 | 1 | | 04/16/19 16:58 | 75-71-8 | |
| 1,1-Dichloroethane | **<0.27** | ug/L | 1.0 | 0.27 | 1 | | 04/16/19 16:58 | 75-34-3 | |
| 1,2-Dichloroethane | **<0.28** | ug/L | 1.0 | 0.28 | 1 | | 04/16/19 16:58 | 107-06-2 | |
| 1,1-Dichloroethene | **<0.24** | ug/L | 1.0 | 0.24 | 1 | | 04/16/19 16:58 | 75-35-4 | |
| cis-1,2-Dichloroethene | **53.7** | ug/L | 1.0 | 0.27 | 1 | | 04/16/19 16:58 | 156-59-2 | |
| trans-1,2-Dichloroethene | **<1.1** | ug/L | 3.6 | 1.1 | 1 | | 04/16/19 16:58 | 156-60-5 | |
| 1,2-Dichloropropane | **<0.28** | ug/L | 1.0 | 0.28 | 1 | | 04/16/19 16:58 | 78-87-5 | |
| 1,3-Dichloropropane | **<0.83** | ug/L | 2.8 | 0.83 | 1 | | 04/16/19 16:58 | 142-28-9 | |
| 2,2-Dichloropropane | **<2.3** | ug/L | 7.6 | 2.3 | 1 | | 04/16/19 16:58 | 594-20-7 | |
| 1,1-Dichloropropene | **<0.54** | ug/L | 1.8 | 0.54 | 1 | | 04/16/19 16:58 | 563-58-6 | |
| cis-1,3-Dichloropropene | **<3.6** | ug/L | 12.1 | 3.6 | 1 | | 04/16/19 16:58 | 10061-01-5 | |
| trans-1,3-Dichloropropene | **<4.4** | ug/L | 14.6 | 4.4 | 1 | | 04/16/19 16:58 | 10061-02-6 | |
| Diisopropyl ether | **<1.9** | ug/L | 6.3 | 1.9 | 1 | | 04/16/19 16:58 | 108-20-3 | |
| Ethylbenzene | **<0.22** | ug/L | 1.0 | 0.22 | 1 | | 04/16/19 16:58 | 100-41-4 | |
| Hexachloro-1,3-butadiene | **<1.2** | ug/L | 5.0 | 1.2 | 1 | | 04/16/19 16:58 | 87-68-3 | |
| Isopropylbenzene (Cumene) | **<0.39** | ug/L | 5.0 | 0.39 | 1 | | 04/16/19 16:58 | 98-82-8 | |
| p-Isopropyltoluene | **<0.80** | ug/L | 2.7 | 0.80 | 1 | | 04/16/19 16:58 | 99-87-6 | |
| Methylene Chloride | **<0.58** | ug/L | 5.0 | 0.58 | 1 | | 04/16/19 16:58 | 75-09-2 | |
| Methyl-tert-butyl ether | **<1.2** | ug/L | 4.2 | 1.2 | 1 | | 04/16/19 16:58 | 1634-04-4 | |
| Naphthalene | **<1.2** | ug/L | 5.0 | 1.2 | 1 | | 04/16/19 16:58 | 91-20-3 | |
| n-Propylbenzene | **<0.81** | ug/L | 5.0 | 0.81 | 1 | | 04/16/19 16:58 | 103-65-1 | |
| Styrene | **<0.47** | ug/L | 1.6 | 0.47 | 1 | | 04/16/19 16:58 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | **<0.27** | ug/L | 1.0 | 0.27 | 1 | | 04/16/19 16:58 | 630-20-6 | |

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, LLC**
1241 Bellevue Street - Suite 9
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## ANALYTICAL RESULTS

Project: 1690004905 EXPRESS CLEANERS (F
Pace Project No.: 40185793

**Sample: MW-9** **Lab ID: 40185793006** Collected: 04/10/19 15:20 Received: 04/13/19 08:25 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 | | 04/16/19 16:58 | 79-34-5 | |
| Tetrachloroethene | **2.6** | ug/L | 1.1 | 0.33 | 1 | | 04/16/19 16:58 | 127-18-4 | |
| Toluene | **<0.17** | ug/L | 5.0 | 0.17 | 1 | | 04/16/19 16:58 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | **<0.63** | ug/L | 5.0 | 0.63 | 1 | | 04/16/19 16:58 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | **<0.95** | ug/L | 5.0 | 0.95 | 1 | | 04/16/19 16:58 | 120-82-1 | |
| 1,1,1-Trichloroethane | **<0.24** | ug/L | 1.0 | 0.24 | 1 | | 04/16/19 16:58 | 71-55-6 | |
| 1,1,2-Trichloroethane | **<0.55** | ug/L | 5.0 | 0.55 | 1 | | 04/16/19 16:58 | 79-00-5 | |
| Trichloroethene | **0.59J** | ug/L | 1.0 | 0.26 | 1 | | 04/16/19 16:58 | 79-01-6 | |
| Trichlorofluoromethane | **<0.21** | ug/L | 1.0 | 0.21 | 1 | | 04/16/19 16:58 | 75-69-4 | |
| 1,2,3-Trichloropropane | **<0.59** | ug/L | 5.0 | 0.59 | 1 | | 04/16/19 16:58 | 96-18-4 | |
| 1,2,4-Trimethylbenzene | **<0.84** | ug/L | 2.8 | 0.84 | 1 | | 04/16/19 16:58 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | **<0.87** | ug/L | 2.9 | 0.87 | 1 | | 04/16/19 16:58 | 108-67-8 | |
| Vinyl chloride | **1.3** | ug/L | 1.0 | 0.17 | 1 | | 04/16/19 16:58 | 75-01-4 | |
| Xylene (Total) | **<1.5** | ug/L | 3.0 | 1.5 | 1 | | 04/16/19 16:58 | 1330-20-7 | |
| m&p-Xylene | **<0.47** | ug/L | 2.0 | 0.47 | 1 | | 04/16/19 16:58 | 179601-23-1 | |
| o-Xylene | **<0.26** | ug/L | 1.0 | 0.26 | 1 | | 04/16/19 16:58 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 88 | % | 70-130 | | 1 | | 04/16/19 16:58 | 460-00-4 | |
| Dibromofluoromethane (S) | 101 | % | 70-130 | | 1 | | 04/16/19 16:58 | 1868-53-7 | |
| Toluene-d8 (S) | 98 | % | 70-130 | | 1 | | 04/16/19 16:58 | 2037-26-5 | |

## REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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## ANALYTICAL RESULTS

Project: 1690004905 EXPRESS CLEANERS (F
Pace Project No.: 40185793

**Sample: MW-9 DUP** **Lab ID: 40185793007** Collected: 04/10/19 15:20 Received: 04/13/19 08:25 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 | | 04/16/19 17:19 | 71-43-2 | |
| Bromobenzene | **<0.24** | ug/L | 1.0 | 0.24 | 1 | | 04/16/19 17:19 | 108-86-1 | |
| Bromochloromethane | **<0.36** | ug/L | 5.0 | 0.36 | 1 | | 04/16/19 17:19 | 74-97-5 | |
| Bromodichloromethane | **<0.36** | ug/L | 1.2 | 0.36 | 1 | | 04/16/19 17:19 | 75-27-4 | |
| Bromoform | **<4.0** | ug/L | 13.2 | 4.0 | 1 | | 04/16/19 17:19 | 75-25-2 | |
| Bromomethane | **<0.97** | ug/L | 5.0 | 0.97 | 1 | | 04/16/19 17:19 | 74-83-9 | |
| n-Butylbenzene | **<0.71** | ug/L | 2.4 | 0.71 | 1 | | 04/16/19 17:19 | 104-51-8 | |
| sec-Butylbenzene | **<0.85** | ug/L | 5.0 | 0.85 | 1 | | 04/16/19 17:19 | 135-98-8 | |
| tert-Butylbenzene | **<0.30** | ug/L | 1.0 | 0.30 | 1 | | 04/16/19 17:19 | 98-06-6 | |
| Carbon tetrachloride | **<0.17** | ug/L | 1.0 | 0.17 | 1 | | 04/16/19 17:19 | 56-23-5 | |
| Chlorobenzene | **<0.71** | ug/L | 2.4 | 0.71 | 1 | | 04/16/19 17:19 | 108-90-7 | |
| Chloroethane | **<1.3** | ug/L | 5.0 | 1.3 | 1 | | 04/16/19 17:19 | 75-00-3 | |
| Chloroform | **<1.3** | ug/L | 5.0 | 1.3 | 1 | | 04/16/19 17:19 | 67-66-3 | |
| Chloromethane | **<2.2** | ug/L | 7.3 | 2.2 | 1 | | 04/16/19 17:19 | 74-87-3 | |
| 2-Chlorotoluene | **<0.93** | ug/L | 5.0 | 0.93 | 1 | | 04/16/19 17:19 | 95-49-8 | |
| 4-Chlorotoluene | **<0.76** | ug/L | 2.5 | 0.76 | 1 | | 04/16/19 17:19 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | **<1.8** | ug/L | 5.9 | 1.8 | 1 | | 04/16/19 17:19 | 96-12-8 | |
| Dibromochloromethane | **<2.6** | ug/L | 8.7 | 2.6 | 1 | | 04/16/19 17:19 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | **<0.83** | ug/L | 2.8 | 0.83 | 1 | | 04/16/19 17:19 | 106-93-4 | |
| Dibromomethane | **<0.94** | ug/L | 3.1 | 0.94 | 1 | | 04/16/19 17:19 | 74-95-3 | |
| 1,2-Dichlorobenzene | **<0.71** | ug/L | 2.4 | 0.71 | 1 | | 04/16/19 17:19 | 95-50-1 | |
| 1,3-Dichlorobenzene | **<0.63** | ug/L | 2.1 | 0.63 | 1 | | 04/16/19 17:19 | 541-73-1 | |
| 1,4-Dichlorobenzene | **<0.94** | ug/L | 3.1 | 0.94 | 1 | | 04/16/19 17:19 | 106-46-7 | |
| Dichlorodifluoromethane | **<0.50** | ug/L | 5.0 | 0.50 | 1 | | 04/16/19 17:19 | 75-71-8 | |
| 1,1-Dichloroethane | **<0.27** | ug/L | 1.0 | 0.27 | 1 | | 04/16/19 17:19 | 75-34-3 | |
| 1,2-Dichloroethane | **<0.28** | ug/L | 1.0 | 0.28 | 1 | | 04/16/19 17:19 | 107-06-2 | |
| 1,1-Dichloroethene | **<0.24** | ug/L | 1.0 | 0.24 | 1 | | 04/16/19 17:19 | 75-35-4 | |
| cis-1,2-Dichloroethene | **52.1** | ug/L | 1.0 | 0.27 | 1 | | 04/16/19 17:19 | 156-59-2 | |
| trans-1,2-Dichloroethene | **<1.1** | ug/L | 3.6 | 1.1 | 1 | | 04/16/19 17:19 | 156-60-5 | |
| 1,2-Dichloropropane | **<0.28** | ug/L | 1.0 | 0.28 | 1 | | 04/16/19 17:19 | 78-87-5 | |
| 1,3-Dichloropropane | **<0.83** | ug/L | 2.8 | 0.83 | 1 | | 04/16/19 17:19 | 142-28-9 | |
| 2,2-Dichloropropane | **<2.3** | ug/L | 7.6 | 2.3 | 1 | | 04/16/19 17:19 | 594-20-7 | |
| 1,1-Dichloropropene | **<0.54** | ug/L | 1.8 | 0.54 | 1 | | 04/16/19 17:19 | 563-58-6 | |
| cis-1,3-Dichloropropene | **<3.6** | ug/L | 12.1 | 3.6 | 1 | | 04/16/19 17:19 | 10061-01-5 | |
| trans-1,3-Dichloropropene | **<4.4** | ug/L | 14.6 | 4.4 | 1 | | 04/16/19 17:19 | 10061-02-6 | |
| Diisopropyl ether | **<1.9** | ug/L | 6.3 | 1.9 | 1 | | 04/16/19 17:19 | 108-20-3 | |
| Ethylbenzene | **<0.22** | ug/L | 1.0 | 0.22 | 1 | | 04/16/19 17:19 | 100-41-4 | |
| Hexachloro-1,3-butadiene | **<1.2** | ug/L | 5.0 | 1.2 | 1 | | 04/16/19 17:19 | 87-68-3 | |
| Isopropylbenzene (Cumene) | **<0.39** | ug/L | 5.0 | 0.39 | 1 | | 04/16/19 17:19 | 98-82-8 | |
| p-Isopropyltoluene | **<0.80** | ug/L | 2.7 | 0.80 | 1 | | 04/16/19 17:19 | 99-87-6 | |
| Methylene Chloride | **<0.58** | ug/L | 5.0 | 0.58 | 1 | | 04/16/19 17:19 | 75-09-2 | |
| Methyl-tert-butyl ether | **<1.2** | ug/L | 4.2 | 1.2 | 1 | | 04/16/19 17:19 | 1634-04-4 | |
| Naphthalene | **<1.2** | ug/L | 5.0 | 1.2 | 1 | | 04/16/19 17:19 | 91-20-3 | |
| n-Propylbenzene | **<0.81** | ug/L | 5.0 | 0.81 | 1 | | 04/16/19 17:19 | 103-65-1 | |
| Styrene | **<0.47** | ug/L | 1.6 | 0.47 | 1 | | 04/16/19 17:19 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | **<0.27** | ug/L | 1.0 | 0.27 | 1 | | 04/16/19 17:19 | 630-20-6 | |

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, LLC**
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## ANALYTICAL RESULTS

Project: 1690004905 EXPRESS CLEANERS (F
Pace Project No.: 40185793

**Sample: MW-9 DUP** **Lab ID: 40185793007** Collected: 04/10/19 15:20 Received: 04/13/19 08:25 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 | | 04/16/19 17:19 | 79-34-5 | |
| Tetrachloroethene | **2.8** | ug/L | 1.1 | 0.33 | 1 | | 04/16/19 17:19 | 127-18-4 | |
| Toluene | **<0.17** | ug/L | 5.0 | 0.17 | 1 | | 04/16/19 17:19 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | **<0.63** | ug/L | 5.0 | 0.63 | 1 | | 04/16/19 17:19 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | **<0.95** | ug/L | 5.0 | 0.95 | 1 | | 04/16/19 17:19 | 120-82-1 | |
| 1,1,1-Trichloroethane | **<0.24** | ug/L | 1.0 | 0.24 | 1 | | 04/16/19 17:19 | 71-55-6 | |
| 1,1,2-Trichloroethane | **<0.55** | ug/L | 5.0 | 0.55 | 1 | | 04/16/19 17:19 | 79-00-5 | |
| Trichloroethene | **0.64J** | ug/L | 1.0 | 0.26 | 1 | | 04/16/19 17:19 | 79-01-6 | |
| Trichlorofluoromethane | **<0.21** | ug/L | 1.0 | 0.21 | 1 | | 04/16/19 17:19 | 75-69-4 | |
| 1,2,3-Trichloropropane | **<0.59** | ug/L | 5.0 | 0.59 | 1 | | 04/16/19 17:19 | 96-18-4 | |
| 1,2,4-Trimethylbenzene | **<0.84** | ug/L | 2.8 | 0.84 | 1 | | 04/16/19 17:19 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | **<0.87** | ug/L | 2.9 | 0.87 | 1 | | 04/16/19 17:19 | 108-67-8 | |
| Vinyl chloride | **1.2** | ug/L | 1.0 | 0.17 | 1 | | 04/16/19 17:19 | 75-01-4 | |
| Xylene (Total) | **<1.5** | ug/L | 3.0 | 1.5 | 1 | | 04/16/19 17:19 | 1330-20-7 | |
| m&p-Xylene | **<0.47** | ug/L | 2.0 | 0.47 | 1 | | 04/16/19 17:19 | 179601-23-1 | |
| o-Xylene | **<0.26** | ug/L | 1.0 | 0.26 | 1 | | 04/16/19 17:19 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 89 | % | 70-130 | | 1 | | 04/16/19 17:19 | 460-00-4 | |
| Dibromofluoromethane (S) | 100 | % | 70-130 | | 1 | | 04/16/19 17:19 | 1868-53-7 | |
| Toluene-d8 (S) | 100 | % | 70-130 | | 1 | | 04/16/19 17:19 | 2037-26-5 | |

## REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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## ANALYTICAL RESULTS

Project: 1690004905 EXPRESS CLEANERS (F
Pace Project No.: 40185793

**Sample: MW-1** **Lab ID: 40185793008** Collected: 04/11/19 10:20 Received: 04/13/19 08:25 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 | | 04/16/19 17:41 | 71-43-2 | |
| Bromobenzene | **<12.1** | ug/L | 50.0 | 12.1 | 50 | | 04/16/19 17:41 | 108-86-1 | |
| Bromochloromethane | **<18.1** | ug/L | 250 | 18.1 | 50 | | 04/16/19 17:41 | 74-97-5 | |
| Bromodichloromethane | **<18.2** | ug/L | 60.6 | 18.2 | 50 | | 04/16/19 17:41 | 75-27-4 | |
| Bromoform | **<199** | ug/L | 662 | 199 | 50 | | 04/16/19 17:41 | 75-25-2 | |
| Bromomethane | **<48.6** | ug/L | 250 | 48.6 | 50 | | 04/16/19 17:41 | 74-83-9 | |
| n-Butylbenzene | **<35.4** | ug/L | 118 | 35.4 | 50 | | 04/16/19 17:41 | 104-51-8 | |
| sec-Butylbenzene | **<42.4** | ug/L | 250 | 42.4 | 50 | | 04/16/19 17:41 | 135-98-8 | |
| tert-Butylbenzene | **<15.2** | ug/L | 50.6 | 15.2 | 50 | | 04/16/19 17:41 | 98-06-6 | |
| Carbon tetrachloride | **<8.3** | ug/L | 50.0 | 8.3 | 50 | | 04/16/19 17:41 | 56-23-5 | |
| Chlorobenzene | **<35.5** | ug/L | 118 | 35.5 | 50 | | 04/16/19 17:41 | 108-90-7 | |
| Chloroethane | **<67.1** | ug/L | 250 | 67.1 | 50 | | 04/16/19 17:41 | 75-00-3 | |
| Chloroform | **<63.7** | ug/L | 250 | 63.7 | 50 | | 04/16/19 17:41 | 67-66-3 | |
| Chloromethane | **<109** | ug/L | 365 | 109 | 50 | | 04/16/19 17:41 | 74-87-3 | |
| 2-Chlorotoluene | **<46.3** | ug/L | 250 | 46.3 | 50 | | 04/16/19 17:41 | 95-49-8 | |
| 4-Chlorotoluene | **<37.8** | ug/L | 126 | 37.8 | 50 | | 04/16/19 17:41 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | **<88.2** | ug/L | 294 | 88.2 | 50 | | 04/16/19 17:41 | 96-12-8 | |
| Dibromochloromethane | **<130** | ug/L | 434 | 130 | 50 | | 04/16/19 17:41 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | **<41.5** | ug/L | 138 | 41.5 | 50 | | 04/16/19 17:41 | 106-93-4 | |
| Dibromomethane | **<46.8** | ug/L | 156 | 46.8 | 50 | | 04/16/19 17:41 | 74-95-3 | |
| 1,2-Dichlorobenzene | **<35.3** | ug/L | 118 | 35.3 | 50 | | 04/16/19 17:41 | 95-50-1 | |
| 1,3-Dichlorobenzene | **<31.4** | ug/L | 105 | 31.4 | 50 | | 04/16/19 17:41 | 541-73-1 | |
| 1,4-Dichlorobenzene | **<47.2** | ug/L | 157 | 47.2 | 50 | | 04/16/19 17:41 | 106-46-7 | |
| Dichlorodifluoromethane | **<25.0** | ug/L | 250 | 25.0 | 50 | | 04/16/19 17:41 | 75-71-8 | |
| 1,1-Dichloroethane | **<13.6** | ug/L | 50.0 | 13.6 | 50 | | 04/16/19 17:41 | 75-34-3 | |
| 1,2-Dichloroethane | **<14.0** | ug/L | 50.0 | 14.0 | 50 | | 04/16/19 17:41 | 107-06-2 | |
| 1,1-Dichloroethene | **<12.2** | ug/L | 50.0 | 12.2 | 50 | | 04/16/19 17:41 | 75-35-4 | |
| cis-1,2-Dichloroethene | **4120** | ug/L | 50.0 | 13.6 | 50 | | 04/16/19 17:41 | 156-59-2 | |
| trans-1,2-Dichloroethene | **124J** | ug/L | 182 | 54.5 | 50 | | 04/16/19 17:41 | 156-60-5 | |
| 1,2-Dichloropropane | **<14.1** | ug/L | 50.0 | 14.1 | 50 | | 04/16/19 17:41 | 78-87-5 | |
| 1,3-Dichloropropane | **<41.3** | ug/L | 138 | 41.3 | 50 | | 04/16/19 17:41 | 142-28-9 | |
| 2,2-Dichloropropane | **<113** | ug/L | 378 | 113 | 50 | | 04/16/19 17:41 | 594-20-7 | |
| 1,1-Dichloropropene | **<27.0** | ug/L | 90.0 | 27.0 | 50 | | 04/16/19 17:41 | 563-58-6 | |
| cis-1,3-Dichloropropene | **<181** | ug/L | 605 | 181 | 50 | | 04/16/19 17:41 | 10061-01-5 | |
| trans-1,3-Dichloropropene | **<219** | ug/L | 728 | 219 | 50 | | 04/16/19 17:41 | 10061-02-6 | |
| Diisopropyl ether | **<94.4** | ug/L | 315 | 94.4 | 50 | | 04/16/19 17:41 | 108-20-3 | |
| Ethylbenzene | **<10.9** | ug/L | 50.0 | 10.9 | 50 | | 04/16/19 17:41 | 100-41-4 | |
| Hexachloro-1,3-butadiene | **<59.1** | ug/L | 250 | 59.1 | 50 | | 04/16/19 17:41 | 87-68-3 | |
| Isopropylbenzene (Cumene) | **<19.6** | ug/L | 250 | 19.6 | 50 | | 04/16/19 17:41 | 98-82-8 | |
| p-Isopropyltoluene | **<40.0** | ug/L | 133 | 40.0 | 50 | | 04/16/19 17:41 | 99-87-6 | |
| Methylene Chloride | **<29.0** | ug/L | 250 | 29.0 | 50 | | 04/16/19 17:41 | 75-09-2 | |
| Methyl-tert-butyl ether | **<62.3** | ug/L | 208 | 62.3 | 50 | | 04/16/19 17:41 | 1634-04-4 | |
| Naphthalene | **<58.8** | ug/L | 250 | 58.8 | 50 | | 04/16/19 17:41 | 91-20-3 | |
| n-Propylbenzene | **<40.5** | ug/L | 250 | 40.5 | 50 | | 04/16/19 17:41 | 103-65-1 | |
| Styrene | **<23.3** | ug/L | 77.6 | 23.3 | 50 | | 04/16/19 17:41 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | **<13.5** | ug/L | 50.0 | 13.5 | 50 | | 04/16/19 17:41 | 630-20-6 | |

## REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 1690004905 EXPRESS CLEANERS (F
Pace Project No.: 40185793

**Sample: MW-1** **Lab ID: 40185793008** Collected: 04/11/19 10:20 Received: 04/13/19 08:25 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 | | 04/16/19 17:41 | 79-34-5 | |
| Tetrachloroethene | **185** | ug/L | 54.4 | 16.3 | 50 | | 04/16/19 17:41 | 127-18-4 | |
| Toluene | **<8.6** | ug/L | 250 | 8.6 | 50 | | 04/16/19 17:41 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | **<31.3** | ug/L | 250 | 31.3 | 50 | | 04/16/19 17:41 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | **<47.6** | ug/L | 250 | 47.6 | 50 | | 04/16/19 17:41 | 120-82-1 | |
| 1,1,1-Trichloroethane | **<12.2** | ug/L | 50.0 | 12.2 | 50 | | 04/16/19 17:41 | 71-55-6 | |
| 1,1,2-Trichloroethane | **<27.6** | ug/L | 250 | 27.6 | 50 | | 04/16/19 17:41 | 79-00-5 | |
| Trichloroethene | **83.4** | ug/L | 50.0 | 12.8 | 50 | | 04/16/19 17:41 | 79-01-6 | |
| Trichlorofluoromethane | **<10.7** | ug/L | 50.0 | 10.7 | 50 | | 04/16/19 17:41 | 75-69-4 | |
| 1,2,3-Trichloropropane | **<29.5** | ug/L | 250 | 29.5 | 50 | | 04/16/19 17:41 | 96-18-4 | |
| 1,2,4-Trimethylbenzene | **<42.0** | ug/L | 140 | 42.0 | 50 | | 04/16/19 17:41 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | **<43.7** | ug/L | 146 | 43.7 | 50 | | 04/16/19 17:41 | 108-67-8 | |
| Vinyl chloride | **174** | ug/L | 50.0 | 8.7 | 50 | | 04/16/19 17:41 | 75-01-4 | |
| Xylene (Total) | **<75.0** | ug/L | 150 | 75.0 | 50 | | 04/16/19 17:41 | 1330-20-7 | |
| m&p-Xylene | **<23.3** | ug/L | 100 | 23.3 | 50 | | 04/16/19 17:41 | 179601-23-1 | |
| o-Xylene | **<13.1** | ug/L | 50.0 | 13.1 | 50 | | 04/16/19 17:41 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 88 | % | 70-130 | | 50 | | 04/16/19 17:41 | 460-00-4 | |
| Dibromofluoromethane (S) | 102 | % | 70-130 | | 50 | | 04/16/19 17:41 | 1868-53-7 | |
| Toluene-d8 (S) | 98 | % | 70-130 | | 50 | | 04/16/19 17:41 | 2037-26-5 | |

## REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
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## ANALYTICAL RESULTS

Project: 1690004905 EXPRESS CLEANERS (F
Pace Project No.: 40185793

**Sample: PZ-1** **Lab ID: 40185793009** Collected: 04/11/19 11:00 Received: 04/13/19 08:25 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 | | 04/16/19 13:44 | 71-43-2 | |
| Bromobenzene | **<0.24** | ug/L | 1.0 | 0.24 | 1 | | 04/16/19 13:44 | 108-86-1 | |
| Bromochloromethane | **<0.36** | ug/L | 5.0 | 0.36 | 1 | | 04/16/19 13:44 | 74-97-5 | |
| Bromodichloromethane | **<0.36** | ug/L | 1.2 | 0.36 | 1 | | 04/16/19 13:44 | 75-27-4 | |
| Bromoform | **<4.0** | ug/L | 13.2 | 4.0 | 1 | | 04/16/19 13:44 | 75-25-2 | |
| Bromomethane | **<0.97** | ug/L | 5.0 | 0.97 | 1 | | 04/16/19 13:44 | 74-83-9 | |
| n-Butylbenzene | **<0.71** | ug/L | 2.4 | 0.71 | 1 | | 04/16/19 13:44 | 104-51-8 | |
| sec-Butylbenzene | **<0.85** | ug/L | 5.0 | 0.85 | 1 | | 04/16/19 13:44 | 135-98-8 | |
| tert-Butylbenzene | **<0.30** | ug/L | 1.0 | 0.30 | 1 | | 04/16/19 13:44 | 98-06-6 | |
| Carbon tetrachloride | **<0.17** | ug/L | 1.0 | 0.17 | 1 | | 04/16/19 13:44 | 56-23-5 | |
| Chlorobenzene | **<0.71** | ug/L | 2.4 | 0.71 | 1 | | 04/16/19 13:44 | 108-90-7 | |
| Chloroethane | **<1.3** | ug/L | 5.0 | 1.3 | 1 | | 04/16/19 13:44 | 75-00-3 | |
| Chloroform | **<1.3** | ug/L | 5.0 | 1.3 | 1 | | 04/16/19 13:44 | 67-66-3 | |
| Chloromethane | **<2.2** | ug/L | 7.3 | 2.2 | 1 | | 04/16/19 13:44 | 74-87-3 | |
| 2-Chlorotoluene | **<0.93** | ug/L | 5.0 | 0.93 | 1 | | 04/16/19 13:44 | 95-49-8 | |
| 4-Chlorotoluene | **<0.76** | ug/L | 2.5 | 0.76 | 1 | | 04/16/19 13:44 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | **<1.8** | ug/L | 5.9 | 1.8 | 1 | | 04/16/19 13:44 | 96-12-8 | |
| Dibromochloromethane | **<2.6** | ug/L | 8.7 | 2.6 | 1 | | 04/16/19 13:44 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | **<0.83** | ug/L | 2.8 | 0.83 | 1 | | 04/16/19 13:44 | 106-93-4 | |
| Dibromomethane | **<0.94** | ug/L | 3.1 | 0.94 | 1 | | 04/16/19 13:44 | 74-95-3 | |
| 1,2-Dichlorobenzene | **<0.71** | ug/L | 2.4 | 0.71 | 1 | | 04/16/19 13:44 | 95-50-1 | |
| 1,3-Dichlorobenzene | **<0.63** | ug/L | 2.1 | 0.63 | 1 | | 04/16/19 13:44 | 541-73-1 | |
| 1,4-Dichlorobenzene | **<0.94** | ug/L | 3.1 | 0.94 | 1 | | 04/16/19 13:44 | 106-46-7 | |
| Dichlorodifluoromethane | **<0.50** | ug/L | 5.0 | 0.50 | 1 | | 04/16/19 13:44 | 75-71-8 | |
| 1,1-Dichloroethane | **<0.27** | ug/L | 1.0 | 0.27 | 1 | | 04/16/19 13:44 | 75-34-3 | |
| 1,2-Dichloroethane | **<0.28** | ug/L | 1.0 | 0.28 | 1 | | 04/16/19 13:44 | 107-06-2 | |
| 1,1-Dichloroethene | **<0.24** | ug/L | 1.0 | 0.24 | 1 | | 04/16/19 13:44 | 75-35-4 | |
| cis-1,2-Dichloroethene | **0.64J** | ug/L | 1.0 | 0.27 | 1 | | 04/16/19 13:44 | 156-59-2 | |
| trans-1,2-Dichloroethene | **<1.1** | ug/L | 3.6 | 1.1 | 1 | | 04/16/19 13:44 | 156-60-5 | |
| 1,2-Dichloropropane | **<0.28** | ug/L | 1.0 | 0.28 | 1 | | 04/16/19 13:44 | 78-87-5 | |
| 1,3-Dichloropropane | **<0.83** | ug/L | 2.8 | 0.83 | 1 | | 04/16/19 13:44 | 142-28-9 | |
| 2,2-Dichloropropane | **<2.3** | ug/L | 7.6 | 2.3 | 1 | | 04/16/19 13:44 | 594-20-7 | |
| 1,1-Dichloropropene | **<0.54** | ug/L | 1.8 | 0.54 | 1 | | 04/16/19 13:44 | 563-58-6 | |
| cis-1,3-Dichloropropene | **<3.6** | ug/L | 12.1 | 3.6 | 1 | | 04/16/19 13:44 | 10061-01-5 | |
| trans-1,3-Dichloropropene | **<4.4** | ug/L | 14.6 | 4.4 | 1 | | 04/16/19 13:44 | 10061-02-6 | |
| Diisopropyl ether | **<1.9** | ug/L | 6.3 | 1.9 | 1 | | 04/16/19 13:44 | 108-20-3 | |
| Ethylbenzene | **<0.22** | ug/L | 1.0 | 0.22 | 1 | | 04/16/19 13:44 | 100-41-4 | |
| Hexachloro-1,3-butadiene | **<1.2** | ug/L | 5.0 | 1.2 | 1 | | 04/16/19 13:44 | 87-68-3 | |
| Isopropylbenzene (Cumene) | **<0.39** | ug/L | 5.0 | 0.39 | 1 | | 04/16/19 13:44 | 98-82-8 | |
| p-Isopropyltoluene | **<0.80** | ug/L | 2.7 | 0.80 | 1 | | 04/16/19 13:44 | 99-87-6 | |
| Methylene Chloride | **<0.58** | ug/L | 5.0 | 0.58 | 1 | | 04/16/19 13:44 | 75-09-2 | |
| Methyl-tert-butyl ether | **<1.2** | ug/L | 4.2 | 1.2 | 1 | | 04/16/19 13:44 | 1634-04-4 | |
| Naphthalene | **<1.2** | ug/L | 5.0 | 1.2 | 1 | | 04/16/19 13:44 | 91-20-3 | |
| n-Propylbenzene | **<0.81** | ug/L | 5.0 | 0.81 | 1 | | 04/16/19 13:44 | 103-65-1 | |
| Styrene | **<0.47** | ug/L | 1.6 | 0.47 | 1 | | 04/16/19 13:44 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | **<0.27** | ug/L | 1.0 | 0.27 | 1 | | 04/16/19 13:44 | 630-20-6 | |

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, LLC**
1241 Bellevue Street - Suite 9
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## ANALYTICAL RESULTS

Project: 1690004905 EXPRESS CLEANERS (F
Pace Project No.: 40185793

**Sample: PZ-1** **Lab ID: 40185793009** Collected: 04/11/19 11:00 Received: 04/13/19 08:25 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 | | 04/16/19 13:44 | 79-34-5 | |
| Tetrachloroethene | **0.70J** | ug/L | 1.1 | 0.33 | 1 | | 04/16/19 13:44 | 127-18-4 | |
| Toluene | **<0.17** | ug/L | 5.0 | 0.17 | 1 | | 04/16/19 13:44 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | **<0.63** | ug/L | 5.0 | 0.63 | 1 | | 04/16/19 13:44 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | **<0.95** | ug/L | 5.0 | 0.95 | 1 | | 04/16/19 13:44 | 120-82-1 | |
| 1,1,1-Trichloroethane | **<0.24** | ug/L | 1.0 | 0.24 | 1 | | 04/16/19 13:44 | 71-55-6 | |
| 1,1,2-Trichloroethane | **<0.55** | ug/L | 5.0 | 0.55 | 1 | | 04/16/19 13:44 | 79-00-5 | |
| Trichloroethene | **<0.26** | ug/L | 1.0 | 0.26 | 1 | | 04/16/19 13:44 | 79-01-6 | |
| Trichlorofluoromethane | **<0.21** | ug/L | 1.0 | 0.21 | 1 | | 04/16/19 13:44 | 75-69-4 | |
| 1,2,3-Trichloropropane | **<0.59** | ug/L | 5.0 | 0.59 | 1 | | 04/16/19 13:44 | 96-18-4 | |
| 1,2,4-Trimethylbenzene | **<0.84** | ug/L | 2.8 | 0.84 | 1 | | 04/16/19 13:44 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | **<0.87** | ug/L | 2.9 | 0.87 | 1 | | 04/16/19 13:44 | 108-67-8 | |
| Vinyl chloride | **<0.17** | ug/L | 1.0 | 0.17 | 1 | | 04/16/19 13:44 | 75-01-4 | |
| Xylene (Total) | **<1.5** | ug/L | 3.0 | 1.5 | 1 | | 04/16/19 13:44 | 1330-20-7 | |
| m&p-Xylene | **<0.47** | ug/L | 2.0 | 0.47 | 1 | | 04/16/19 13:44 | 179601-23-1 | |
| o-Xylene | **<0.26** | ug/L | 1.0 | 0.26 | 1 | | 04/16/19 13:44 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 91 | % | 70-130 | | 1 | | 04/16/19 13:44 | 460-00-4 | |
| Dibromofluoromethane (S) | 100 | % | 70-130 | | 1 | | 04/16/19 13:44 | 1868-53-7 | |
| Toluene-d8 (S) | 99 | % | 70-130 | | 1 | | 04/16/19 13:44 | 2037-26-5 | |

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, LLC**
1241 Bellevue Street - Suite 9
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## ANALYTICAL RESULTS

Project: 1690004905 EXPRESS CLEANERS (F
Pace Project No.: 40185793

**Sample: MW-3R** **Lab ID: 40185793010** Collected: 04/11/19 12:00 Received: 04/13/19 08:25 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **Methane, Ethane, Ethene GCV** | Analytical Method: EPA 8015B Modified | | | | | | | | |
| Ethane | **37.9** | ug/L | 5.6 | 0.58 | 1 | | 04/17/19 09:37 | 74-84-0 | |
| Ethene | **64.9** | ug/L | 5.0 | 0.52 | 1 | | 04/17/19 09:37 | 74-85-1 | |
| Methane | **6940** | ug/L | 140 | 68.5 | 50 | | 04/17/19 11:29 | 74-82-8 | |
| **8260 MSV** | Analytical Method: EPA 8260 | | | | | | | | |
| Benzene | **<12.3** | ug/L | 50.0 | 12.3 | 50 | | 04/16/19 11:36 | 71-43-2 | |
| Bromobenzene | **<12.1** | ug/L | 50.0 | 12.1 | 50 | | 04/16/19 11:36 | 108-86-1 | |
| Bromochloromethane | **<18.1** | ug/L | 250 | 18.1 | 50 | | 04/16/19 11:36 | 74-97-5 | |
| Bromodichloromethane | **<18.2** | ug/L | 60.6 | 18.2 | 50 | | 04/16/19 11:36 | 75-27-4 | |
| Bromoform | **<199** | ug/L | 662 | 199 | 50 | | 04/16/19 11:36 | 75-25-2 | |
| Bromomethane | **<48.6** | ug/L | 250 | 48.6 | 50 | | 04/16/19 11:36 | 74-83-9 | |
| n-Butylbenzene | **<35.4** | ug/L | 118 | 35.4 | 50 | | 04/16/19 11:36 | 104-51-8 | |
| sec-Butylbenzene | **<42.4** | ug/L | 250 | 42.4 | 50 | | 04/16/19 11:36 | 135-98-8 | |
| tert-Butylbenzene | **<15.2** | ug/L | 50.6 | 15.2 | 50 | | 04/16/19 11:36 | 98-06-6 | |
| Carbon tetrachloride | **<8.3** | ug/L | 50.0 | 8.3 | 50 | | 04/16/19 11:36 | 56-23-5 | |
| Chlorobenzene | **<35.5** | ug/L | 118 | 35.5 | 50 | | 04/16/19 11:36 | 108-90-7 | |
| Chloroethane | **<67.1** | ug/L | 250 | 67.1 | 50 | | 04/16/19 11:36 | 75-00-3 | |
| Chloroform | **<63.7** | ug/L | 250 | 63.7 | 50 | | 04/16/19 11:36 | 67-66-3 | |
| Chloromethane | **<109** | ug/L | 365 | 109 | 50 | | 04/16/19 11:36 | 74-87-3 | |
| 2-Chlorotoluene | **<46.3** | ug/L | 250 | 46.3 | 50 | | 04/16/19 11:36 | 95-49-8 | |
| 4-Chlorotoluene | **<37.8** | ug/L | 126 | 37.8 | 50 | | 04/16/19 11:36 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | **<88.2** | ug/L | 294 | 88.2 | 50 | | 04/16/19 11:36 | 96-12-8 | |
| Dibromochloromethane | **<130** | ug/L | 434 | 130 | 50 | | 04/16/19 11:36 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | **<41.5** | ug/L | 138 | 41.5 | 50 | | 04/16/19 11:36 | 106-93-4 | |
| Dibromomethane | **<46.8** | ug/L | 156 | 46.8 | 50 | | 04/16/19 11:36 | 74-95-3 | |
| 1,2-Dichlorobenzene | **<35.3** | ug/L | 118 | 35.3 | 50 | | 04/16/19 11:36 | 95-50-1 | |
| 1,3-Dichlorobenzene | **<31.4** | ug/L | 105 | 31.4 | 50 | | 04/16/19 11:36 | 541-73-1 | |
| 1,4-Dichlorobenzene | **<47.2** | ug/L | 157 | 47.2 | 50 | | 04/16/19 11:36 | 106-46-7 | |
| Dichlorodifluoromethane | **<25.0** | ug/L | 250 | 25.0 | 50 | | 04/16/19 11:36 | 75-71-8 | |
| 1,1-Dichloroethane | **<13.6** | ug/L | 50.0 | 13.6 | 50 | | 04/16/19 11:36 | 75-34-3 | |
| 1,2-Dichloroethane | **<14.0** | ug/L | 50.0 | 14.0 | 50 | | 04/16/19 11:36 | 107-06-2 | |
| 1,1-Dichloroethene | **<12.2** | ug/L | 50.0 | 12.2 | 50 | | 04/16/19 11:36 | 75-35-4 | |
| cis-1,2-Dichloroethene | **2340** | ug/L | 50.0 | 13.6 | 50 | | 04/16/19 11:36 | 156-59-2 | |
| trans-1,2-Dichloroethene | **<54.5** | ug/L | 182 | 54.5 | 50 | | 04/16/19 11:36 | 156-60-5 | |
| 1,2-Dichloropropane | **<14.1** | ug/L | 50.0 | 14.1 | 50 | | 04/16/19 11:36 | 78-87-5 | |
| 1,3-Dichloropropane | **<41.3** | ug/L | 138 | 41.3 | 50 | | 04/16/19 11:36 | 142-28-9 | |
| 2,2-Dichloropropane | **<113** | ug/L | 378 | 113 | 50 | | 04/16/19 11:36 | 594-20-7 | |
| 1,1-Dichloropropene | **<27.0** | ug/L | 90.0 | 27.0 | 50 | | 04/16/19 11:36 | 563-58-6 | |
| cis-1,3-Dichloropropene | **<181** | ug/L | 605 | 181 | 50 | | 04/16/19 11:36 | 10061-01-5 | |
| trans-1,3-Dichloropropene | **<219** | ug/L | 728 | 219 | 50 | | 04/16/19 11:36 | 10061-02-6 | |
| Diisopropyl ether | **<94.4** | ug/L | 315 | 94.4 | 50 | | 04/16/19 11:36 | 108-20-3 | |
| Ethylbenzene | **<10.9** | ug/L | 50.0 | 10.9 | 50 | | 04/16/19 11:36 | 100-41-4 | |
| Hexachloro-1,3-butadiene | **<59.1** | ug/L | 250 | 59.1 | 50 | | 04/16/19 11:36 | 87-68-3 | |
| Isopropylbenzene (Cumene) | **<19.6** | ug/L | 250 | 19.6 | 50 | | 04/16/19 11:36 | 98-82-8 | |
| p-Isopropyltoluene | **<40.0** | ug/L | 133 | 40.0 | 50 | | 04/16/19 11:36 | 99-87-6 | |
| Methylene Chloride | **<29.0** | ug/L | 250 | 29.0 | 50 | | 04/16/19 11:36 | 75-09-2 | |

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, LLC**
1241 Bellevue Street - Suite 9
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## ANALYTICAL RESULTS

Project: 1690004905 EXPRESS CLEANERS (F
Pace Project No.: 40185793

**Sample: MW-3R** **Lab ID: 40185793010** Collected: 04/11/19 12:00 Received: 04/13/19 08:25 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8260 MSV** | Analytical Method: EPA 8260 | | | | | | | | |
| Methyl-tert-butyl ether | **<62.3** | ug/L | 208 | 62.3 | 50 | | 04/16/19 11:36 | 1634-04-4 | |
| Naphthalene | **<58.8** | ug/L | 250 | 58.8 | 50 | | 04/16/19 11:36 | 91-20-3 | |
| n-Propylbenzene | **<40.5** | ug/L | 250 | 40.5 | 50 | | 04/16/19 11:36 | 103-65-1 | |
| Styrene | **<23.3** | ug/L | 77.6 | 23.3 | 50 | | 04/16/19 11:36 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | **<13.5** | ug/L | 50.0 | 13.5 | 50 | | 04/16/19 11:36 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | **<13.8** | ug/L | 50.0 | 13.8 | 50 | | 04/16/19 11:36 | 79-34-5 | |
| Tetrachloroethene | **<16.3** | ug/L | 54.4 | 16.3 | 50 | | 04/16/19 11:36 | 127-18-4 | |
| Toluene | **<8.6** | ug/L | 250 | 8.6 | 50 | | 04/16/19 11:36 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | **<31.3** | ug/L | 250 | 31.3 | 50 | | 04/16/19 11:36 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | **<47.6** | ug/L | 250 | 47.6 | 50 | | 04/16/19 11:36 | 120-82-1 | |
| 1,1,1-Trichloroethane | **<12.2** | ug/L | 50.0 | 12.2 | 50 | | 04/16/19 11:36 | 71-55-6 | |
| 1,1,2-Trichloroethane | **<27.6** | ug/L | 250 | 27.6 | 50 | | 04/16/19 11:36 | 79-00-5 | |
| Trichloroethene | **<12.8** | ug/L | 50.0 | 12.8 | 50 | | 04/16/19 11:36 | 79-01-6 | |
| Trichlorofluoromethane | **<10.7** | ug/L | 50.0 | 10.7 | 50 | | 04/16/19 11:36 | 75-69-4 | |
| 1,2,3-Trichloropropane | **<29.5** | ug/L | 250 | 29.5 | 50 | | 04/16/19 11:36 | 96-18-4 | |
| 1,2,4-Trimethylbenzene | **<42.0** | ug/L | 140 | 42.0 | 50 | | 04/16/19 11:36 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | **<43.7** | ug/L | 146 | 43.7 | 50 | | 04/16/19 11:36 | 108-67-8 | |
| Vinyl chloride | **26.5J** | ug/L | 50.0 | 8.7 | 50 | | 04/16/19 11:36 | 75-01-4 | |
| Xylene (Total) | **<75.0** | ug/L | 150 | 75.0 | 50 | | 04/16/19 11:36 | 1330-20-7 | |
| m&p-Xylene | **<23.3** | ug/L | 100 | 23.3 | 50 | | 04/16/19 11:36 | 179601-23-1 | |
| o-Xylene | **<13.1** | ug/L | 50.0 | 13.1 | 50 | | 04/16/19 11:36 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 90 | % | 70-130 | | 50 | | 04/16/19 11:36 | 460-00-4 | |
| Dibromofluoromethane (S) | 101 | % | 70-130 | | 50 | | 04/16/19 11:36 | 1868-53-7 | |
| Toluene-d8 (S) | 98 | % | 70-130 | | 50 | | 04/16/19 11:36 | 2037-26-5 | |
| **300.0 IC Anions 28 Days** | Analytical Method: EPA 300.0 | | | | | | | | |
| Sulfate | **<1.0** | mg/L | 3.0 | 1.0 | 1 | | 04/24/19 16:49 | 14808-79-8 | |
| **353.2 Nitrogen, NO2/NO3 pres.** | Analytical Method: EPA 353.2 | | | | | | | | |
| Nitrogen, NO2 plus NO3 | **<0.095** | mg/L | 0.25 | 0.095 | 1 | | 04/16/19 11:34 | | |
| **5310C TOC** | Analytical Method: SM 5310C | | | | | | | | |
| Total Organic Carbon | **536** | mg/L | 252 | 75.6 | 300 | | 04/19/19 09:38 | 7440-44-0 | |

## REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 1690004905 EXPRESS CLEANERS (F
Pace Project No.: 40185793

**Sample: MW-8** **Lab ID: 40185793011** Collected: 04/11/19 13:05 Received: 04/13/19 08:25 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **Methane, Ethane, Ethene GCV** | Analytical Method: EPA 8015B Modified | | | | | | | | |
| Ethane | **13.5** | ug/L | 5.6 | 0.58 | 1 | | 04/17/19 09:44 | 74-84-0 | |
| Ethene | **8.7** | ug/L | 5.0 | 0.52 | 1 | | 04/17/19 09:44 | 74-85-1 | |
| Methane | **5790** | ug/L | 140 | 68.5 | 50 | | 04/17/19 11:36 | 74-82-8 | |
| **8260 MSV** | Analytical Method: EPA 8260 | | | | | | | | |
| Benzene | **<2.5** | ug/L | 10.0 | 2.5 | 10 | | 04/16/19 11:57 | 71-43-2 | |
| Bromobenzene | **<2.4** | ug/L | 10.0 | 2.4 | 10 | | 04/16/19 11:57 | 108-86-1 | |
| Bromochloromethane | **<3.6** | ug/L | 50.0 | 3.6 | 10 | | 04/16/19 11:57 | 74-97-5 | |
| Bromodichloromethane | **<3.6** | ug/L | 12.1 | 3.6 | 10 | | 04/16/19 11:57 | 75-27-4 | |
| Bromoform | **<39.7** | ug/L | 132 | 39.7 | 10 | | 04/16/19 11:57 | 75-25-2 | |
| Bromomethane | **<9.7** | ug/L | 50.0 | 9.7 | 10 | | 04/16/19 11:57 | 74-83-9 | |
| n-Butylbenzene | **<7.1** | ug/L | 23.6 | 7.1 | 10 | | 04/16/19 11:57 | 104-51-8 | |
| sec-Butylbenzene | **<8.5** | ug/L | 50.0 | 8.5 | 10 | | 04/16/19 11:57 | 135-98-8 | |
| tert-Butylbenzene | **<3.0** | ug/L | 10.1 | 3.0 | 10 | | 04/16/19 11:57 | 98-06-6 | |
| Carbon tetrachloride | **<1.7** | ug/L | 10.0 | 1.7 | 10 | | 04/16/19 11:57 | 56-23-5 | |
| Chlorobenzene | **<7.1** | ug/L | 23.7 | 7.1 | 10 | | 04/16/19 11:57 | 108-90-7 | |
| Chloroethane | **<13.4** | ug/L | 50.0 | 13.4 | 10 | | 04/16/19 11:57 | 75-00-3 | |
| Chloroform | **<12.7** | ug/L | 50.0 | 12.7 | 10 | | 04/16/19 11:57 | 67-66-3 | |
| Chloromethane | **<21.9** | ug/L | 73.0 | 21.9 | 10 | | 04/16/19 11:57 | 74-87-3 | |
| 2-Chlorotoluene | **<9.3** | ug/L | 50.0 | 9.3 | 10 | | 04/16/19 11:57 | 95-49-8 | |
| 4-Chlorotoluene | **<7.6** | ug/L | 25.2 | 7.6 | 10 | | 04/16/19 11:57 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | **<17.6** | ug/L | 58.8 | 17.6 | 10 | | 04/16/19 11:57 | 96-12-8 | |
| Dibromochloromethane | **<26.0** | ug/L | 86.7 | 26.0 | 10 | | 04/16/19 11:57 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | **<8.3** | ug/L | 27.6 | 8.3 | 10 | | 04/16/19 11:57 | 106-93-4 | |
| Dibromomethane | **<9.4** | ug/L | 31.2 | 9.4 | 10 | | 04/16/19 11:57 | 74-95-3 | |
| 1,2-Dichlorobenzene | **<7.1** | ug/L | 23.5 | 7.1 | 10 | | 04/16/19 11:57 | 95-50-1 | |
| 1,3-Dichlorobenzene | **<6.3** | ug/L | 20.9 | 6.3 | 10 | | 04/16/19 11:57 | 541-73-1 | |
| 1,4-Dichlorobenzene | **<9.4** | ug/L | 31.5 | 9.4 | 10 | | 04/16/19 11:57 | 106-46-7 | |
| Dichlorodifluoromethane | **<5.0** | ug/L | 50.0 | 5.0 | 10 | | 04/16/19 11:57 | 75-71-8 | |
| 1,1-Dichloroethane | **<2.7** | ug/L | 10.0 | 2.7 | 10 | | 04/16/19 11:57 | 75-34-3 | |
| 1,2-Dichloroethane | **<2.8** | ug/L | 10.0 | 2.8 | 10 | | 04/16/19 11:57 | 107-06-2 | |
| 1,1-Dichloroethene | **<2.4** | ug/L | 10.0 | 2.4 | 10 | | 04/16/19 11:57 | 75-35-4 | |
| cis-1,2-Dichloroethene | **1040** | ug/L | 10.0 | 2.7 | 10 | | 04/16/19 11:57 | 156-59-2 | |
| trans-1,2-Dichloroethene | **21.5J** | ug/L | 36.4 | 10.9 | 10 | | 04/16/19 11:57 | 156-60-5 | |
| 1,2-Dichloropropane | **<2.8** | ug/L | 10.0 | 2.8 | 10 | | 04/16/19 11:57 | 78-87-5 | |
| 1,3-Dichloropropane | **<8.3** | ug/L | 27.5 | 8.3 | 10 | | 04/16/19 11:57 | 142-28-9 | |
| 2,2-Dichloropropane | **<22.7** | ug/L | 75.5 | 22.7 | 10 | | 04/16/19 11:57 | 594-20-7 | |
| 1,1-Dichloropropene | **<5.4** | ug/L | 18.0 | 5.4 | 10 | | 04/16/19 11:57 | 563-58-6 | |
| cis-1,3-Dichloropropene | **<36.3** | ug/L | 121 | 36.3 | 10 | | 04/16/19 11:57 | 10061-01-5 | |
| trans-1,3-Dichloropropene | **<43.7** | ug/L | 146 | 43.7 | 10 | | 04/16/19 11:57 | 10061-02-6 | |
| Diisopropyl ether | **<18.9** | ug/L | 62.9 | 18.9 | 10 | | 04/16/19 11:57 | 108-20-3 | |
| Ethylbenzene | **<2.2** | ug/L | 10.0 | 2.2 | 10 | | 04/16/19 11:57 | 100-41-4 | |
| Hexachloro-1,3-butadiene | **<11.8** | ug/L | 50.0 | 11.8 | 10 | | 04/16/19 11:57 | 87-68-3 | |
| Isopropylbenzene (Cumene) | **<3.9** | ug/L | 50.0 | 3.9 | 10 | | 04/16/19 11:57 | 98-82-8 | |
| p-Isopropyltoluene | **<8.0** | ug/L | 26.7 | 8.0 | 10 | | 04/16/19 11:57 | 99-87-6 | |
| Methylene Chloride | **<5.8** | ug/L | 50.0 | 5.8 | 10 | | 04/16/19 11:57 | 75-09-2 | |

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, LLC**
1241 Bellevue Street - Suite 9
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(920)469-2436

## ANALYTICAL RESULTS

Project: 1690004905 EXPRESS CLEANERS (F
Pace Project No.: 40185793

**Sample: MW-8** **Lab ID: 40185793011** Collected: 04/11/19 13:05 Received: 04/13/19 08:25 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8260 MSV** | Analytical Method: EPA 8260 | | | | | | | | |
| Methyl-tert-butyl ether | **<12.5** | ug/L | 41.5 | 12.5 | 10 | | 04/16/19 11:57 | 1634-04-4 | |
| Naphthalene | **<11.8** | ug/L | 50.0 | 11.8 | 10 | | 04/16/19 11:57 | 91-20-3 | |
| n-Propylbenzene | **<8.1** | ug/L | 50.0 | 8.1 | 10 | | 04/16/19 11:57 | 103-65-1 | |
| Styrene | **<4.7** | ug/L | 15.5 | 4.7 | 10 | | 04/16/19 11:57 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | **<2.7** | ug/L | 10.0 | 2.7 | 10 | | 04/16/19 11:57 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | **<2.8** | ug/L | 10.0 | 2.8 | 10 | | 04/16/19 11:57 | 79-34-5 | |
| Tetrachloroethene | **<3.3** | ug/L | 10.9 | 3.3 | 10 | | 04/16/19 11:57 | 127-18-4 | |
| Toluene | **<1.7** | ug/L | 50.0 | 1.7 | 10 | | 04/16/19 11:57 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | **<6.3** | ug/L | 50.0 | 6.3 | 10 | | 04/16/19 11:57 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | **<9.5** | ug/L | 50.0 | 9.5 | 10 | | 04/16/19 11:57 | 120-82-1 | |
| 1,1,1-Trichloroethane | **<2.4** | ug/L | 10.0 | 2.4 | 10 | | 04/16/19 11:57 | 71-55-6 | |
| 1,1,2-Trichloroethane | **<5.5** | ug/L | 50.0 | 5.5 | 10 | | 04/16/19 11:57 | 79-00-5 | |
| Trichloroethene | **<2.6** | ug/L | 10.0 | 2.6 | 10 | | 04/16/19 11:57 | 79-01-6 | |
| Trichlorofluoromethane | **<2.1** | ug/L | 10.0 | 2.1 | 10 | | 04/16/19 11:57 | 75-69-4 | |
| 1,2,3-Trichloropropane | **<5.9** | ug/L | 50.0 | 5.9 | 10 | | 04/16/19 11:57 | 96-18-4 | |
| 1,2,4-Trimethylbenzene | **<8.4** | ug/L | 28.0 | 8.4 | 10 | | 04/16/19 11:57 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | **<8.7** | ug/L | 29.1 | 8.7 | 10 | | 04/16/19 11:57 | 108-67-8 | |
| Vinyl chloride | **3.8J** | ug/L | 10.0 | 1.7 | 10 | | 04/16/19 11:57 | 75-01-4 | |
| Xylene (Total) | **<15.0** | ug/L | 30.0 | 15.0 | 10 | | 04/16/19 11:57 | 1330-20-7 | |
| m&p-Xylene | **<4.7** | ug/L | 20.0 | 4.7 | 10 | | 04/16/19 11:57 | 179601-23-1 | |
| o-Xylene | **<2.6** | ug/L | 10.0 | 2.6 | 10 | | 04/16/19 11:57 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 90 | % | 70-130 | | 10 | | 04/16/19 11:57 | 460-00-4 | |
| Dibromofluoromethane (S) | 97 | % | 70-130 | | 10 | | 04/16/19 11:57 | 1868-53-7 | |
| Toluene-d8 (S) | 98 | % | 70-130 | | 10 | | 04/16/19 11:57 | 2037-26-5 | |
| **300.0 IC Anions 28 Days** | Analytical Method: EPA 300.0 | | | | | | | | |
| Sulfate | **<1.0** | mg/L | 3.0 | 1.0 | 1 | | 04/24/19 17:04 | 14808-79-8 | M0 |
| **353.2 Nitrogen, NO2/NO3 pres.** | Analytical Method: EPA 353.2 | | | | | | | | |
| Nitrogen, NO2 plus NO3 | **<0.095** | mg/L | 0.25 | 0.095 | 1 | | 04/16/19 12:00 | | |
| **5310C TOC** | Analytical Method: SM 5310C | | | | | | | | |
| Total Organic Carbon | **9.8** | mg/L | 8.4 | 2.5 | 10 | | 04/19/19 09:59 | 7440-44-0 | |

## REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 1690004905 EXPRESS CLEANERS (F
Pace Project No.: 40185793

**Sample: TRIP BLANK** **Lab ID: 40185793012** Collected: 04/11/19 00:00 Received: 04/13/19 08:25 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 | | 04/16/19 16:15 | 71-43-2 | |
| Bromobenzene | **<0.24** | ug/L | 1.0 | 0.24 | 1 | | 04/16/19 16:15 | 108-86-1 | |
| Bromochloromethane | **<0.36** | ug/L | 5.0 | 0.36 | 1 | | 04/16/19 16:15 | 74-97-5 | |
| Bromodichloromethane | **<0.36** | ug/L | 1.2 | 0.36 | 1 | | 04/16/19 16:15 | 75-27-4 | |
| Bromoform | **<4.0** | ug/L | 13.2 | 4.0 | 1 | | 04/16/19 16:15 | 75-25-2 | |
| Bromomethane | **<0.97** | ug/L | 5.0 | 0.97 | 1 | | 04/16/19 16:15 | 74-83-9 | |
| n-Butylbenzene | **<0.71** | ug/L | 2.4 | 0.71 | 1 | | 04/16/19 16:15 | 104-51-8 | |
| sec-Butylbenzene | **<0.85** | ug/L | 5.0 | 0.85 | 1 | | 04/16/19 16:15 | 135-98-8 | |
| tert-Butylbenzene | **<0.30** | ug/L | 1.0 | 0.30 | 1 | | 04/16/19 16:15 | 98-06-6 | |
| Carbon tetrachloride | **<0.17** | ug/L | 1.0 | 0.17 | 1 | | 04/16/19 16:15 | 56-23-5 | |
| Chlorobenzene | **<0.71** | ug/L | 2.4 | 0.71 | 1 | | 04/16/19 16:15 | 108-90-7 | |
| Chloroethane | **<1.3** | ug/L | 5.0 | 1.3 | 1 | | 04/16/19 16:15 | 75-00-3 | |
| Chloroform | **<1.3** | ug/L | 5.0 | 1.3 | 1 | | 04/16/19 16:15 | 67-66-3 | |
| Chloromethane | **<2.2** | ug/L | 7.3 | 2.2 | 1 | | 04/16/19 16:15 | 74-87-3 | |
| 2-Chlorotoluene | **<0.93** | ug/L | 5.0 | 0.93 | 1 | | 04/16/19 16:15 | 95-49-8 | |
| 4-Chlorotoluene | **<0.76** | ug/L | 2.5 | 0.76 | 1 | | 04/16/19 16:15 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | **<1.8** | ug/L | 5.9 | 1.8 | 1 | | 04/16/19 16:15 | 96-12-8 | |
| Dibromochloromethane | **<2.6** | ug/L | 8.7 | 2.6 | 1 | | 04/16/19 16:15 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | **<0.83** | ug/L | 2.8 | 0.83 | 1 | | 04/16/19 16:15 | 106-93-4 | |
| Dibromomethane | **<0.94** | ug/L | 3.1 | 0.94 | 1 | | 04/16/19 16:15 | 74-95-3 | |
| 1,2-Dichlorobenzene | **<0.71** | ug/L | 2.4 | 0.71 | 1 | | 04/16/19 16:15 | 95-50-1 | |
| 1,3-Dichlorobenzene | **<0.63** | ug/L | 2.1 | 0.63 | 1 | | 04/16/19 16:15 | 541-73-1 | |
| 1,4-Dichlorobenzene | **<0.94** | ug/L | 3.1 | 0.94 | 1 | | 04/16/19 16:15 | 106-46-7 | |
| Dichlorodifluoromethane | **<0.50** | ug/L | 5.0 | 0.50 | 1 | | 04/16/19 16:15 | 75-71-8 | |
| 1,1-Dichloroethane | **<0.27** | ug/L | 1.0 | 0.27 | 1 | | 04/16/19 16:15 | 75-34-3 | |
| 1,2-Dichloroethane | **<0.28** | ug/L | 1.0 | 0.28 | 1 | | 04/16/19 16:15 | 107-06-2 | |
| 1,1-Dichloroethene | **<0.24** | ug/L | 1.0 | 0.24 | 1 | | 04/16/19 16:15 | 75-35-4 | |
| cis-1,2-Dichloroethene | **<0.27** | ug/L | 1.0 | 0.27 | 1 | | 04/16/19 16:15 | 156-59-2 | |
| trans-1,2-Dichloroethene | **<1.1** | ug/L | 3.6 | 1.1 | 1 | | 04/16/19 16:15 | 156-60-5 | |
| 1,2-Dichloropropane | **<0.28** | ug/L | 1.0 | 0.28 | 1 | | 04/16/19 16:15 | 78-87-5 | |
| 1,3-Dichloropropane | **<0.83** | ug/L | 2.8 | 0.83 | 1 | | 04/16/19 16:15 | 142-28-9 | |
| 2,2-Dichloropropane | **<2.3** | ug/L | 7.6 | 2.3 | 1 | | 04/16/19 16:15 | 594-20-7 | |
| 1,1-Dichloropropene | **<0.54** | ug/L | 1.8 | 0.54 | 1 | | 04/16/19 16:15 | 563-58-6 | |
| cis-1,3-Dichloropropene | **<3.6** | ug/L | 12.1 | 3.6 | 1 | | 04/16/19 16:15 | 10061-01-5 | |
| trans-1,3-Dichloropropene | **<4.4** | ug/L | 14.6 | 4.4 | 1 | | 04/16/19 16:15 | 10061-02-6 | |
| Diisopropyl ether | **<1.9** | ug/L | 6.3 | 1.9 | 1 | | 04/16/19 16:15 | 108-20-3 | |
| Ethylbenzene | **<0.22** | ug/L | 1.0 | 0.22 | 1 | | 04/16/19 16:15 | 100-41-4 | |
| Hexachloro-1,3-butadiene | **<1.2** | ug/L | 5.0 | 1.2 | 1 | | 04/16/19 16:15 | 87-68-3 | |
| Isopropylbenzene (Cumene) | **<0.39** | ug/L | 5.0 | 0.39 | 1 | | 04/16/19 16:15 | 98-82-8 | |
| p-Isopropyltoluene | **<0.80** | ug/L | 2.7 | 0.80 | 1 | | 04/16/19 16:15 | 99-87-6 | |
| Methylene Chloride | **<0.58** | ug/L | 5.0 | 0.58 | 1 | | 04/16/19 16:15 | 75-09-2 | |
| Methyl-tert-butyl ether | **<1.2** | ug/L | 4.2 | 1.2 | 1 | | 04/16/19 16:15 | 1634-04-4 | |
| Naphthalene | **<1.2** | ug/L | 5.0 | 1.2 | 1 | | 04/16/19 16:15 | 91-20-3 | |
| n-Propylbenzene | **<0.81** | ug/L | 5.0 | 0.81 | 1 | | 04/16/19 16:15 | 103-65-1 | |
| Styrene | **<0.47** | ug/L | 1.6 | 0.47 | 1 | | 04/16/19 16:15 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | **<0.27** | ug/L | 1.0 | 0.27 | 1 | | 04/16/19 16:15 | 630-20-6 | |

## REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 1690004905 EXPRESS CLEANERS (F
Pace Project No.: 40185793

**Sample: TRIP BLANK** **Lab ID: 40185793012** Collected: 04/11/19 00:00 Received: 04/13/19 08:25 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 | | 04/16/19 16:15 | 79-34-5 | |
| Tetrachloroethene | **<0.33** | ug/L | 1.1 | 0.33 | 1 | | 04/16/19 16:15 | 127-18-4 | |
| Toluene | **<0.17** | ug/L | 5.0 | 0.17 | 1 | | 04/16/19 16:15 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | **<0.63** | ug/L | 5.0 | 0.63 | 1 | | 04/16/19 16:15 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | **<0.95** | ug/L | 5.0 | 0.95 | 1 | | 04/16/19 16:15 | 120-82-1 | |
| 1,1,1-Trichloroethane | **<0.24** | ug/L | 1.0 | 0.24 | 1 | | 04/16/19 16:15 | 71-55-6 | |
| 1,1,2-Trichloroethane | **<0.55** | ug/L | 5.0 | 0.55 | 1 | | 04/16/19 16:15 | 79-00-5 | |
| Trichloroethene | **<0.26** | ug/L | 1.0 | 0.26 | 1 | | 04/16/19 16:15 | 79-01-6 | |
| Trichlorofluoromethane | **<0.21** | ug/L | 1.0 | 0.21 | 1 | | 04/16/19 16:15 | 75-69-4 | |
| 1,2,3-Trichloropropane | **<0.59** | ug/L | 5.0 | 0.59 | 1 | | 04/16/19 16:15 | 96-18-4 | |
| 1,2,4-Trimethylbenzene | **<0.84** | ug/L | 2.8 | 0.84 | 1 | | 04/16/19 16:15 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | **<0.87** | ug/L | 2.9 | 0.87 | 1 | | 04/16/19 16:15 | 108-67-8 | |
| Vinyl chloride | **<0.17** | ug/L | 1.0 | 0.17 | 1 | | 04/16/19 16:15 | 75-01-4 | |
| Xylene (Total) | **<1.5** | ug/L | 3.0 | 1.5 | 1 | | 04/16/19 16:15 | 1330-20-7 | |
| m&p-Xylene | **<0.47** | ug/L | 2.0 | 0.47 | 1 | | 04/16/19 16:15 | 179601-23-1 | |
| o-Xylene | **<0.26** | ug/L | 1.0 | 0.26 | 1 | | 04/16/19 16:15 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 89 | % | 70-130 | | 1 | | 04/16/19 16:15 | 460-00-4 | |
| Dibromofluoromethane (S) | 98 | % | 70-130 | | 1 | | 04/16/19 16:15 | 1868-53-7 | |
| Toluene-d8 (S) | 98 | % | 70-130 | | 1 | | 04/16/19 16:15 | 2037-26-5 | |

## REPORT OF LABORATORY ANALYSIS

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

## QUALITY CONTROL DATA

Project: 1690004905 EXPRESS CLEANERS (F
Pace Project No.: 40185793

QC Batch: 318622 Analysis Method: EPA 8015B Modified
QC Batch Method: EPA 8015B Modified Analysis Description: Methane, Ethane, Ethene GCV
Associated Lab Samples: 40185793010, 40185793011

METHOD BLANK: 1851674 Matrix: Water
Associated Lab Samples: 40185793010, 40185793011

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| Ethane | ug/L | <0.58 | 5.6 | 04/17/19 09:04 | |
| Ethene | ug/L | <0.52 | 5.0 | 04/17/19 09:04 | |
| Methane | ug/L | <1.4 | 2.8 | 04/17/19 09:04 | |

LABORATORY CONTROL SAMPLE & LCSD: 1851675 1851676

| Parameter | Units | Spike Conc. | LCS Result | LCSD Result | LCS % Rec | LCSD % Rec | % Rec Limits | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|---|---|---|---|
| Ethane | ug/L | 53.6 | 54.6 | 54.6 | 102 | 102 | 80-120 | 0 | 20 | |
| Ethene | ug/L | 50 | 50.0 | 50.1 | 100 | 100 | 80-120 | 0 | 20 | |
| Methane | ug/L | 28.6 | 28.2 | 28.1 | 99 | 98 | 80-120 | 0 | 20 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1851801 1851802

| Parameter | Units | 40185905004 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ethane | ug/L | <0.58 | 53.6 | 53.6 | 53.5 | 55.5 | 100 | 104 | 80-120 | 4 | 20 | |
| Ethene | ug/L | <0.52 | 50 | 50 | 49.0 | 51.0 | 98 | 102 | 80-120 | 4 | 20 | |
| Methane | ug/L | 6.5 | 28.6 | 28.6 | 35.1 | 36.4 | 100 | 105 | 77-122 | 4 | 20 | |

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

## REPORT OF LABORATORY ANALYSIS

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

## QUALITY CONTROL DATA

Project: 1690004905 EXPRESS CLEANERS (F
Pace Project No.: 40185793

QC Batch: 318365 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40185793001, 40185793002, 40185793003, 40185793004, 40185793005, 40185793006, 40185793007, 40185793008, 40185793009, 40185793010, 40185793011, 40185793012

METHOD BLANK: 1850684 Matrix: Water
Associated Lab Samples: 40185793001, 40185793002, 40185793003, 40185793004, 40185793005, 40185793006, 40185793007, 40185793008, 40185793009, 40185793010, 40185793011, 40185793012

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ug/L | <0.27 | 1.0 | 04/16/19 08:44 | |
| 1,1,1-Trichloroethane | ug/L | <0.24 | 1.0 | 04/16/19 08:44 | |
| 1,1,2,2-Tetrachloroethane | ug/L | <0.28 | 1.0 | 04/16/19 08:44 | |
| 1,1,2-Trichloroethane | ug/L | <0.55 | 5.0 | 04/16/19 08:44 | |
| 1,1-Dichloroethane | ug/L | <0.27 | 1.0 | 04/16/19 08:44 | |
| 1,1-Dichloroethene | ug/L | <0.24 | 1.0 | 04/16/19 08:44 | |
| 1,1-Dichloropropene | ug/L | <0.54 | 1.8 | 04/16/19 08:44 | |
| 1,2,3-Trichlorobenzene | ug/L | <0.63 | 5.0 | 04/16/19 08:44 | |
| 1,2,3-Trichloropropane | ug/L | <0.59 | 5.0 | 04/16/19 08:44 | |
| 1,2,4-Trichlorobenzene | ug/L | <0.95 | 5.0 | 04/16/19 08:44 | |
| 1,2,4-Trimethylbenzene | ug/L | <0.84 | 2.8 | 04/16/19 08:44 | |
| 1,2-Dibromo-3-chloropropane | ug/L | <1.8 | 5.9 | 04/16/19 08:44 | |
| 1,2-Dibromoethane (EDB) | ug/L | <0.83 | 2.8 | 04/16/19 08:44 | |
| 1,2-Dichlorobenzene | ug/L | <0.71 | 2.4 | 04/16/19 08:44 | |
| 1,2-Dichloroethane | ug/L | <0.28 | 1.0 | 04/16/19 08:44 | |
| 1,2-Dichloropropane | ug/L | <0.28 | 1.0 | 04/16/19 08:44 | |
| 1,3,5-Trimethylbenzene | ug/L | <0.87 | 2.9 | 04/16/19 08:44 | |
| 1,3-Dichlorobenzene | ug/L | <0.63 | 2.1 | 04/16/19 08:44 | |
| 1,3-Dichloropropane | ug/L | <0.83 | 2.8 | 04/16/19 08:44 | |
| 1,4-Dichlorobenzene | ug/L | <0.94 | 3.1 | 04/16/19 08:44 | |
| 2,2-Dichloropropane | ug/L | <2.3 | 7.6 | 04/16/19 08:44 | |
| 2-Chlorotoluene | ug/L | <0.93 | 5.0 | 04/16/19 08:44 | |
| 4-Chlorotoluene | ug/L | <0.76 | 2.5 | 04/16/19 08:44 | |
| Benzene | ug/L | <0.25 | 1.0 | 04/16/19 08:44 | |
| Bromobenzene | ug/L | <0.24 | 1.0 | 04/16/19 08:44 | |
| Bromochloromethane | ug/L | <0.36 | 5.0 | 04/16/19 08:44 | |
| Bromodichloromethane | ug/L | <0.36 | 1.2 | 04/16/19 08:44 | |
| Bromoform | ug/L | <4.0 | 13.2 | 04/16/19 08:44 | |
| Bromomethane | ug/L | <0.97 | 5.0 | 04/16/19 08:44 | |
| Carbon tetrachloride | ug/L | <0.17 | 1.0 | 04/16/19 08:44 | |
| Chlorobenzene | ug/L | <0.71 | 2.4 | 04/16/19 08:44 | |
| Chloroethane | ug/L | <1.3 | 5.0 | 04/16/19 08:44 | |
| Chloroform | ug/L | <1.3 | 5.0 | 04/16/19 08:44 | |
| Chloromethane | ug/L | <2.2 | 7.3 | 04/16/19 08:44 | |
| cis-1,2-Dichloroethene | ug/L | <0.27 | 1.0 | 04/16/19 08:44 | |
| cis-1,3-Dichloropropene | ug/L | <3.6 | 12.1 | 04/16/19 08:44 | |
| Dibromochloromethane | ug/L | <2.6 | 8.7 | 04/16/19 08:44 | |
| Dibromomethane | ug/L | <0.94 | 3.1 | 04/16/19 08:44 | |
| Dichlorodifluoromethane | ug/L | <0.50 | 5.0 | 04/16/19 08:44 | |
| Diisopropyl ether | ug/L | <1.9 | 6.3 | 04/16/19 08:44 | |

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## REPORT OF LABORATORY ANALYSIS

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

## QUALITY CONTROL DATA

Project: 1690004905 EXPRESS CLEANERS (F
Pace Project No.: 40185793

METHOD BLANK: 1850684 Matrix: Water

Associated Lab Samples: 40185793001, 40185793002, 40185793003, 40185793004, 40185793005, 40185793006, 40185793007, 40185793008, 40185793009, 40185793010, 40185793011, 40185793012

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| Ethylbenzene | ug/L | <0.22 | 1.0 | 04/16/19 08:44 | |
| Hexachloro-1,3-butadiene | ug/L | <1.2 | 5.0 | 04/16/19 08:44 | |
| Isopropylbenzene (Cumene) | ug/L | <0.39 | 5.0 | 04/16/19 08:44 | |
| m&p-Xylene | ug/L | <0.47 | 2.0 | 04/16/19 08:44 | |
| Methyl-tert-butyl ether | ug/L | <1.2 | 4.2 | 04/16/19 08:44 | |
| Methylene Chloride | ug/L | <0.58 | 5.0 | 04/16/19 08:44 | |
| n-Butylbenzene | ug/L | <0.71 | 2.4 | 04/16/19 08:44 | |
| n-Propylbenzene | ug/L | <0.81 | 5.0 | 04/16/19 08:44 | |
| Naphthalene | ug/L | <1.2 | 5.0 | 04/16/19 08:44 | |
| o-Xylene | ug/L | <0.26 | 1.0 | 04/16/19 08:44 | |
| p-Isopropyltoluene | ug/L | <0.80 | 2.7 | 04/16/19 08:44 | |
| sec-Butylbenzene | ug/L | <0.85 | 5.0 | 04/16/19 08:44 | |
| Styrene | ug/L | <0.47 | 1.6 | 04/16/19 08:44 | |
| tert-Butylbenzene | ug/L | <0.30 | 1.0 | 04/16/19 08:44 | |
| Tetrachloroethene | ug/L | <0.33 | 1.1 | 04/16/19 08:44 | |
| Toluene | ug/L | <0.17 | 5.0 | 04/16/19 08:44 | |
| trans-1,2-Dichloroethene | ug/L | <1.1 | 3.6 | 04/16/19 08:44 | |
| trans-1,3-Dichloropropene | ug/L | <4.4 | 14.6 | 04/16/19 08:44 | |
| Trichloroethene | ug/L | <0.26 | 1.0 | 04/16/19 08:44 | |
| Trichlorofluoromethane | ug/L | <0.21 | 1.0 | 04/16/19 08:44 | |
| Vinyl chloride | ug/L | <0.17 | 1.0 | 04/16/19 08:44 | |
| Xylene (Total) | ug/L | <1.5 | 3.0 | 04/16/19 08:44 | |
| 4-Bromofluorobenzene (S) | % | 90 | 70-130 | 04/16/19 08:44 | |
| Dibromofluoromethane (S) | % | 99 | 70-130 | 04/16/19 08:44 | |
| Toluene-d8 (S) | % | 99 | 70-130 | 04/16/19 08:44 | |

LABORATORY CONTROL SAMPLE: 1850685

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | ug/L | 50 | 54.2 | 108 | 70-130 | |
| 1,1,2,2-Tetrachloroethane | ug/L | 50 | 49.5 | 99 | 70-130 | |
| 1,1,2-Trichloroethane | ug/L | 50 | 52.2 | 104 | 70-130 | |
| 1,1-Dichloroethane | ug/L | 50 | 56.8 | 114 | 73-150 | |
| 1,1-Dichloroethene | ug/L | 50 | 54.8 | 110 | 73-138 | |
| 1,2,4-Trichlorobenzene | ug/L | 50 | 52.8 | 106 | 70-130 | |
| 1,2-Dibromo-3-chloropropane | ug/L | 50 | 45.6 | 91 | 64-129 | |
| 1,2-Dibromoethane (EDB) | ug/L | 50 | 53.0 | 106 | 70-130 | |
| 1,2-Dichlorobenzene | ug/L | 50 | 53.4 | 107 | 70-130 | |
| 1,2-Dichloroethane | ug/L | 50 | 51.7 | 103 | 75-140 | |
| 1,2-Dichloropropane | ug/L | 50 | 48.9 | 98 | 73-135 | |
| 1,3-Dichlorobenzene | ug/L | 50 | 51.5 | 103 | 70-130 | |
| 1,4-Dichlorobenzene | ug/L | 50 | 52.6 | 105 | 70-130 | |
| Benzene | ug/L | 50 | 50.8 | 102 | 70-130 | |

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## REPORT OF LABORATORY ANALYSIS

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

## QUALITY CONTROL DATA

Project: 1690004905 EXPRESS CLEANERS (F
Pace Project No.: 40185793

LABORATORY CONTROL SAMPLE: 1850685

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| Bromodichloromethane | ug/L | 50 | 53.5 | 107 | 70-130 | |
| Bromoform | ug/L | 50 | 50.2 | 100 | 68-129 | |
| Bromomethane | ug/L | 50 | 43.3 | 87 | 18-159 | |
| Carbon tetrachloride | ug/L | 50 | 55.5 | 111 | 70-130 | |
| Chlorobenzene | ug/L | 50 | 54.5 | 109 | 70-130 | |
| Chloroethane | ug/L | 50 | 48.5 | 97 | 53-147 | |
| Chloroform | ug/L | 50 | 49.6 | 99 | 74-136 | |
| Chloromethane | ug/L | 50 | 33.5 | 67 | 29-115 | |
| cis-1,2-Dichloroethene | ug/L | 50 | 49.4 | 99 | 70-130 | |
| cis-1,3-Dichloropropene | ug/L | 50 | 46.8 | 94 | 70-130 | |
| Dibromochloromethane | ug/L | 50 | 55.3 | 111 | 70-130 | |
| Dichlorodifluoromethane | ug/L | 50 | 44.1 | 88 | 10-130 | |
| Ethylbenzene | ug/L | 50 | 55.9 | 112 | 80-124 | |
| Isopropylbenzene (Cumene) | ug/L | 50 | 54.2 | 108 | 70-130 | |
| m&p-Xylene | ug/L | 100 | 114 | 114 | 70-130 | |
| Methyl-tert-butyl ether | ug/L | 50 | 54.6 | 109 | 54-137 | |
| Methylene Chloride | ug/L | 50 | 55.9 | 112 | 73-138 | |
| o-Xylene | ug/L | 50 | 57.0 | 114 | 70-130 | |
| Styrene | ug/L | 50 | 52.6 | 105 | 70-130 | |
| Tetrachloroethene | ug/L | 50 | 54.4 | 109 | 70-130 | |
| Toluene | ug/L | 50 | 53.3 | 107 | 80-126 | |
| trans-1,2-Dichloroethene | ug/L | 50 | 58.4 | 117 | 73-145 | |
| trans-1,3-Dichloropropene | ug/L | 50 | 47.7 | 95 | 70-130 | |
| Trichloroethene | ug/L | 50 | 54.1 | 108 | 70-130 | |
| Trichlorofluoromethane | ug/L | 50 | 56.6 | 113 | 76-147 | |
| Vinyl chloride | ug/L | 50 | 44.7 | 89 | 51-120 | |
| Xylene (Total) | ug/L | 150 | 171 | 114 | 70-130 | |
| 4-Bromofluorobenzene (S) | % | | | 100 | 70-130 | |
| Dibromofluoromethane (S) | % | | | 98 | 70-130 | |
| Toluene-d8 (S) | % | | | 99 | 70-130 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1850784 1850785

| Parameter | Units | 40185793002 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | ug/L | <0.24 | 50 | 50 | 53.0 | 52.9 | 106 | 106 | 70-130 | 0 | 20 | |
| 1,1,2,2-Tetrachloroethane | ug/L | <0.28 | 50 | 50 | 48.8 | 48.1 | 98 | 96 | 70-130 | 1 | 20 | |
| 1,1,2-Trichloroethane | ug/L | <0.55 | 50 | 50 | 52.2 | 52.2 | 104 | 104 | 70-137 | 0 | 20 | |
| 1,1-Dichloroethane | ug/L | <0.27 | 50 | 50 | 57.2 | 56.8 | 114 | 114 | 73-153 | 1 | 20 | |
| 1,1-Dichloroethene | ug/L | <0.24 | 50 | 50 | 56.2 | 55.5 | 112 | 111 | 73-138 | 1 | 20 | |
| 1,2,4-Trichlorobenzene | ug/L | <0.95 | 50 | 50 | 53.9 | 53.7 | 108 | 107 | 70-130 | 0 | 20 | |
| 1,2-Dibromo-3-chloropropane | ug/L | <1.8 | 50 | 50 | 47.5 | 47.2 | 95 | 94 | 58-129 | 1 | 20 | |
| 1,2-Dibromoethane (EDB) | ug/L | <0.83 | 50 | 50 | 53.7 | 53.5 | 107 | 107 | 70-130 | 0 | 20 | |
| 1,2-Dichlorobenzene | ug/L | <0.71 | 50 | 50 | 54.5 | 54.5 | 109 | 109 | 70-130 | 0 | 20 | |

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## REPORT OF LABORATORY ANALYSIS

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

## QUALITY CONTROL DATA

Project: 1690004905 EXPRESS CLEANERS (F
Pace Project No.: 40185793

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1850784 1850785

| Parameter | Units | 40185793002 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,2-Dichloroethane | ug/L | <0.28 | 50 | 50 | 52.0 | 50.9 | 104 | 102 | 75-140 | 2 | 20 | |
| 1,2-Dichloropropane | ug/L | <0.28 | 50 | 50 | 48.3 | 48.9 | 97 | 98 | 71-138 | 1 | 20 | |
| 1,3-Dichlorobenzene | ug/L | <0.63 | 50 | 50 | 52.6 | 52.9 | 105 | 106 | 70-130 | 1 | 20 | |
| 1,4-Dichlorobenzene | ug/L | <0.94 | 50 | 50 | 53.8 | 53.2 | 108 | 106 | 70-130 | 1 | 20 | |
| Benzene | ug/L | <0.25 | 50 | 50 | 51.5 | 50.7 | 103 | 101 | 70-130 | 1 | 20 | |
| Bromodichloromethane | ug/L | <0.36 | 50 | 50 | 54.6 | 53.4 | 109 | 107 | 70-130 | 2 | 20 | |
| Bromoform | ug/L | <4.0 | 50 | 50 | 49.4 | 49.6 | 99 | 99 | 68-129 | 0 | 20 | |
| Bromomethane | ug/L | <0.97 | 50 | 50 | 46.0 | 44.2 | 92 | 88 | 15-170 | 4 | 20 | |
| Carbon tetrachloride | ug/L | <0.17 | 50 | 50 | 56.3 | 55.1 | 113 | 110 | 70-130 | 2 | 20 | |
| Chlorobenzene | ug/L | <0.71 | 50 | 50 | 55.1 | 55.0 | 110 | 110 | 70-130 | 0 | 20 | |
| Chloroethane | ug/L | <1.3 | 50 | 50 | 48.8 | 47.3 | 98 | 95 | 51-148 | 3 | 20 | |
| Chloroform | ug/L | <1.3 | 50 | 50 | 50.4 | 49.9 | 101 | 100 | 74-136 | 1 | 20 | |
| Chloromethane | ug/L | <2.2 | 50 | 50 | 33.1 | 32.7 | 66 | 65 | 23-115 | 1 | 20 | |
| cis-1,2-Dichloroethene | ug/L | 12.3 | 50 | 50 | 63.4 | 62.3 | 102 | 100 | 70-131 | 2 | 20 | |
| cis-1,3-Dichloropropene | ug/L | <3.6 | 50 | 50 | 48.4 | 47.1 | 97 | 94 | 70-130 | 3 | 20 | |
| Dibromochloromethane | ug/L | <2.6 | 50 | 50 | 54.9 | 54.9 | 110 | 110 | 70-130 | 0 | 20 | |
| Dichlorodifluoromethane | ug/L | <0.50 | 50 | 50 | 41.6 | 41.1 | 83 | 82 | 10-132 | 1 | 20 | |
| Ethylbenzene | ug/L | <0.22 | 50 | 50 | 56.4 | 56.8 | 113 | 114 | 80-125 | 1 | 20 | |
| Isopropylbenzene (Cumene) | ug/L | <0.39 | 50 | 50 | 54.3 | 54.8 | 109 | 110 | 70-130 | 1 | 20 | |
| m&p-Xylene | ug/L | <0.47 | 100 | 100 | 116 | 116 | 116 | 116 | 70-130 | 0 | 20 | |
| Methyl-tert-butyl ether | ug/L | <1.2 | 50 | 50 | 54.1 | 53.8 | 108 | 108 | 51-145 | 1 | 20 | |
| Methylene Chloride | ug/L | <0.58 | 50 | 50 | 56.6 | 55.2 | 113 | 110 | 73-140 | 2 | 20 | |
| o-Xylene | ug/L | <0.26 | 50 | 50 | 57.5 | 57.6 | 115 | 115 | 70-130 | 0 | 20 | |
| Styrene | ug/L | <0.47 | 50 | 50 | 53.1 | 53.3 | 106 | 107 | 70-130 | 0 | 20 | |
| Tetrachloroethene | ug/L | 14.4 | 50 | 50 | 70.1 | 70.6 | 111 | 112 | 70-130 | 1 | 20 | |
| Toluene | ug/L | <0.17 | 50 | 50 | 53.3 | 54.4 | 107 | 109 | 80-131 | 2 | 20 | |
| trans-1,2-Dichloroethene | ug/L | <1.1 | 50 | 50 | 59.6 | 59.1 | 118 | 117 | 73-148 | 1 | 20 | |
| trans-1,3-Dichloropropene | ug/L | <4.4 | 50 | 50 | 47.8 | 48.6 | 96 | 97 | 70-130 | 2 | 20 | |
| Trichloroethene | ug/L | 4.2 | 50 | 50 | 58.5 | 58.0 | 109 | 108 | 70-130 | 1 | 20 | |
| Trichlorofluoromethane | ug/L | <0.21 | 50 | 50 | 56.4 | 56.5 | 113 | 113 | 74-147 | 0 | 20 | |
| Vinyl chloride | ug/L | 0.22J | 50 | 50 | 44.6 | 43.6 | 89 | 87 | 41-129 | 2 | 20 | |
| Xylene (Total) | ug/L | <1.5 | 150 | 150 | 173 | 174 | 115 | 116 | 70-130 | 0 | 20 | |
| 4-Bromofluorobenzene (S) | % | | | | | | 99 | 102 | 70-130 | | | |
| Dibromofluoromethane (S) | % | | | | | | 97 | 97 | 70-130 | | | |
| Toluene-d8 (S) | % | | | | | | 98 | 100 | 70-130 | | | |

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## REPORT OF LABORATORY ANALYSIS

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

## QUALITY CONTROL DATA

Project: 1690004905 EXPRESS CLEANERS (F
Pace Project No.: 40185793

QC Batch: 318980 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 40185793010, 40185793011

METHOD BLANK: 1853681 Matrix: Water
Associated Lab Samples: 40185793010, 40185793011

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| Sulfate | mg/L | <1.0 | 3.0 | 04/24/19 10:22 | |

LABORATORY CONTROL SAMPLE: 1853682

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| Sulfate | mg/L | 20 | 18.8 | 94 | 90-110 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1853683 1853684

| Parameter | Units | 40186027012 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate | mg/L | 108 | 100 | 100 | 217 | 214 | 110 | 106 | 90-110 | 2 | 15 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1853685 1853686

| Parameter | Units | 40185793011 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate | mg/L | <1.0 | 20 | 20 | 23.3 | 22.2 | 112 | 107 | 90-110 | 5 | 15 | M0 |

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## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, LLC**
1241 Bellevue Street - Suite 9
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(920)469-2436

## QUALITY CONTROL DATA

Project: 1690004905 EXPRESS CLEANERS (F
Pace Project No.: 40185793

QC Batch: 318520 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, preserved
Associated Lab Samples: 40185793010

METHOD BLANK: 1851082 Matrix: Water
Associated Lab Samples: 40185793010

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| Nitrogen, NO2 plus NO3 | mg/L | <0.095 | 0.25 | 04/16/19 11:15 | |

LABORATORY CONTROL SAMPLE: 1851083

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| Nitrogen, NO2 plus NO3 | mg/L | 2.5 | 2.5 | 102 | 90-110 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1851084 1851085

| Parameter | Units | 40185527002 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, NO2 plus NO3 | mg/L | <0.95 | 25 | 25 | 24.5 | 24.5 | 98 | 98 | 90-110 | 0 | 20 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1851086 1851087

| Parameter | Units | 40185793010 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, NO2 plus NO3 | mg/L | <0.095 | 2.5 | 2.5 | 2.3 | 2.3 | 92 | 91 | 90-110 | 1 | 20 | |

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

## REPORT OF LABORATORY ANALYSIS

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

## QUALITY CONTROL DATA

Project: 1690004905 EXPRESS CLEANERS (F
Pace Project No.: 40185793

QC Batch: 318534 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, preserved
Associated Lab Samples: 40185793011

METHOD BLANK: 1851141 Matrix: Water
Associated Lab Samples: 40185793011

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| Nitrogen, NO2 plus NO3 | mg/L | <0.095 | 0.25 | 04/16/19 11:59 | |

LABORATORY CONTROL SAMPLE: 1851142

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| Nitrogen, NO2 plus NO3 | mg/L | 2.5 | 2.4 | 98 | 90-110 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1851143 1851144

| Parameter | Units | 40185793011 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, NO2 plus NO3 | mg/L | <0.095 | 2.5 | 2.5 | 2.2 | 2.3 | 90 | 90 | 90-110 | 0 | 20 | |

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

## REPORT OF LABORATORY ANALYSIS

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

## QUALITY CONTROL DATA

Project: 1690004905 EXPRESS CLEANERS (F
Pace Project No.: 40185793

QC Batch: 318873 Analysis Method: SM 5310C
QC Batch Method: SM 5310C Analysis Description: 5310C Total Organic Carbon
Associated Lab Samples: 40185793010, 40185793011

METHOD BLANK: 1853068 Matrix: Water
Associated Lab Samples: 40185793010, 40185793011

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| Total Organic Carbon | mg/L | <0.25 | 0.84 | 04/19/19 08:15 | |

LABORATORY CONTROL SAMPLE: 1853069

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| Total Organic Carbon | mg/L | 2.5 | 2.4 | 98 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1853070 1853071

| Parameter | Units | 40185908001 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | mg/L | 1.8 | 1 | 1 | 2.8 | 2.8 | 99 | 99 | 80-120 | 0 | 10 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1853072 1853073

| Parameter | Units | 40186027001 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | mg/L | 0.58J | 1 | 1 | 1.5 | 1.5 | 92 | 96 | 80-120 | 3 | 10 | |

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

## REPORT OF LABORATORY ANALYSIS

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

# QUALIFIERS

Project: 1690004905 EXPRESS CLEANERS (F
Pace Project No.: 40185793

## 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 |

## ANALYTE QUALIFIERS

| | |
|---|---|
| M0 | Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits. |

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

## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1690004905 EXPRESS CLEANERS (F
Pace Project No.: 40185793

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|---|---|---|---|---|---|
| **40185793010** | **MW-3R** | EPA 8015B Modified | 318622 | | |
| **40185793011** | **MW-8** | EPA 8015B Modified | 318622 | | |
| **40185793001** | **MW-15** | EPA 8260 | 318365 | | |
| **40185793002** | **MW-6** | EPA 8260 | 318365 | | |
| **40185793003** | **MW-16** | EPA 8260 | 318365 | | |
| **40185793004** | **MW-13** | EPA 8260 | 318365 | | |
| **40185793005** | **MW-12** | EPA 8260 | 318365 | | |
| **40185793006** | **MW-9** | EPA 8260 | 318365 | | |
| **40185793007** | **MW-9 DUP** | EPA 8260 | 318365 | | |
| **40185793008** | **MW-1** | EPA 8260 | 318365 | | |
| **40185793009** | **PZ-1** | EPA 8260 | 318365 | | |
| **40185793010** | **MW-3R** | EPA 8260 | 318365 | | |
| **40185793011** | **MW-8** | EPA 8260 | 318365 | | |
| **40185793012** | **TRIP BLANK** | EPA 8260 | 318365 | | |
| **40185793010** | **MW-3R** | EPA 300.0 | 318980 | | |
| **40185793011** | **MW-8** | EPA 300.0 | 318980 | | |
| **40185793010** | **MW-3R** | EPA 353.2 | 318520 | | |
| **40185793011** | **MW-8** | EPA 353.2 | 318534 | | |
| **40185793010** | **MW-3R** | SM 5310C | 318873 | | |
| **40185793011** | **MW-8** | SM 5310C | 318873 | | |

Pace Analytical®
www.pacelabs.com

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

40185793

# 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

| (Please Print Clearly) | |
|---|---|
| Company Name: | Rumball |
| Branch/Location: | Brookfield, WI |
| Project Contact: | Scott Tarmann |
| Phone: | 262-901-6093 |
| Project Number: | 169000490.5 |
| Project Name: | Express Cleaners (Former) |
| Project State: | WI |
| Sampled By (Print): | Tyler Burgett |
| Sampled By (Sign): | Tyler Burgett |
| PO #: | Regulatory Program: |

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

**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, Sl = Sludge, WP = Wipe

| PACE LAB # | CLIENT FIELD ID | COLLECTION DATE | COLLECTION TIME | MATRIX | Analyses Requested | FILTERED? (YES/NO) | PRESERVATION (CODE)* | VOCs | Methane, Ethene, Ether (RSK-175) | TOC (SM 5310C) | Sulfate (300.0) | Nitrate + Nitrite (353.2) | Total Iron (6020A) | Ferrous Iron (SM 3500) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Y/N | Pick Letter | N | N | N | N | N | N | Y |
| | | | | | | | | B | B | C | A | C | D | B |
| 001 | MW-15 | 4/10/19 | 1115 | GW | | | | X | | | | | | |
| 002 | MW-6 | | 1200 | | | | | X | | | | | | |
| 003 | MW-16 | | 1245 | | | | | X | | | | | | |
| 004 | MW-13 | | 1330 | | | | | X | | | | | | |
| 005 | MW-17 | | 1420 | | | | | X | | | | | | |
| 006 | MW-9 | | 1520 | | | | | X | | | | | | |
| 007 | MW-9 DUP | | 1520 | | | | | X | | | | | | |
| 008 | MW-1 | 4/11/19 | 1020 | | | | | X | | | | | | |
| 009 | PZ-1 | | 1100 | | | | | X | | | | | | |
| 010 | MW-3R | | 1200 | | | | | X | X | X | X | X | X | X |
| 011 | MW-8 | | 1305 | | | | | X | X | X | X | X | X | X |
| 012 | TRIP BLANK | | | | | | | X | | | | | | |
| | | | | | | | | | | | | | | |

| CLIENT COMMENTS | LAB COMMENTS (Lab Use Only) | Profile # |
|---|---|---|
| | | |

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):
Email #1:
Email #2:
Telephone:
Fax:

Samples on HOLD are subject to special pricing and release of liability

| Relinquished By: | Date/Time: | Received By: | Date/Time: |
|---|---|---|---|
| Tyler Burgett | 4/12/19 9:24 | Mary Fannin | 4/12/19 9:24 |
| Mary Fannin | 4/12/19 1100 | | |
| CS/29STR | 4/13/19 0825 | | 4/13/19 0825 |
| | | | |
| | | | |

PACE Project No.
40185793

Receipt Temp = 2.0 °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal
Present / Not Present
Intact / Not Intact

C019a(27Jun2006)

Version 6.0 06/14/06

ORIGINAL

Pace Analytical Services, LL
1241 Bellevue Street, Suite
Green Bay, WI 54430



# Sample Preservation Receipt Form

Client Name: Rowbell  Project # 40185793

All containers needing preservation have been checked and noted below: ☑Yes ☐No ☐N/A  Initial when completed: [illegible]  Date/ Time:

Lab Lot# of pH paper: 10453581  Lab Std #ID of preservation (if pH adjusted):

| 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 | BP3C | 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 | | | | | | | | | | | 4/6/21 | | | | 2.5 / 5 / 10 |
| 010 | | | 1 | | | | | | | | 1 | | 1 | 1 | | | | 8 | | | | | | | | | | X | X | | X | | 2.5 / 5 / 10 |
| 011 | | | 1 | | | | | | | | 1 | | 1 | 1 | | | | 8 | | | | | | | | | | X | | | X | | 2.5 / 5 / 10 |
| 012 | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | 2.5 / 5 / 10 |
| 013 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5 / 5 / 10 |
| 014 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5 / 5 / 10 |
| 015 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5 / 5 / 10 |
| 016 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5 / 5 / 10 |
| 017 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5 / 5 / 10 |
| 018 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5 / 5 / 10 |
| 019 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5 / 5 / 10 |
| 020 | | | | | | 2 | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | 2.5 / 5 / 10 |

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

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| AG1U | 1 liter amber glass | BP1U | 1 liter plastic unpres | 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 | BP3C | 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: | |

| Pace Analytical™ 1241 Bellevue Street, Green Bay, WI 54302 | Document Name: Sample Condition Upon Receipt (SCUR) | Document Revised: 25Apr2018 |
|---|---|---|
| | Document No.: F-GB-C-031-Rev.07 | Issuing Authority: Pace Green Bay Quality Office |

# Sample Condition Upon Receipt Form (SCUR)

Project #: WO#: 40185793

**Client Name:** Ranbol

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

**Tracking #:** _____

**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: RDL /Corr: _____

**Temp Blank Present:** ☐ yes ☑ no **Biological Tissue is Frozen:** ☐ yes ☐ no

Person examining contents: Date: 4/13/19 Initials: _____

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

| | | |
|---|---|---|
| Chain of Custody Present: | ☑Yes ☐No ☐N/A | 1. |
| Chain of Custody Filled Out: | ☐Yes ☑No ☐N/A | 2. Mail to Dunwoody 4/13/19 |
| Chain of Custody Relinquished: | ☑Yes ☐No ☐N/A | 3. |
| Sampler Name & Signature on COC: | ☑Yes ☐No ☐N/A | 4. |
| Samples Arrived within Hold Time: | ☑Yes ☐No | 5. |
| - VOA Samples frozen upon receipt | ☐Yes ☐No | Date/Time: |
| **Short Hold Time Analysis (<72hr):** | ☐Yes ☑No | 6. |
| **Rush Turn Around Time Requested:** | ☐Yes ☑No | 7. |
| Sufficient Volume: | | 8. |
| For Analysis: ☑Yes ☐No MS/MSD: | ☐Yes ☑No ☐N/A | |
| Correct Containers Used: | ☑Yes ☐No | 9. |
| -Pace Containers Used: | ☑Yes ☐No ☐N/A | |
| -Pace IR Containers Used: | ☐Yes ☐No ☑N/A | |
| Containers Intact: | ☑Yes ☐No | 10. |
| Filtered volume received for Dissolved tests | ☑Yes ☐No ☐N/A | 11. |
| Sample Labels match COC: | ☑Yes ☐No ☐N/A | 12. |
| -Includes date/time/ID/Analysis Matrix: W | | |
| Trip Blank Present: | ☑Yes ☐No ☐N/A | 13. |
| Trip Blank Custody Seals Present | ☑Yes ☐No ☐N/A | |
| Pace Trip Blank Lot # (if purchased): 416 | | |

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

**Project Manager Review:** _____ **Date:** 4/15/19

Pace Analytical®
National Center for Testing & Innovation

# ANALYTICAL REPORT

April 24, 2019



## Pace Analytical - Green Bay, WI

| | |
|---|---|
| Sample Delivery Group: | L1089528 |
| Samples Received: | 04/16/2019 |
| Project Number: | 40185793 |
| Description: | 169004905 Express Cleaners |
| Site: | 010 |
| Report To: | Steve Mleczko<br>1241 Bellvue Street, Suite 9<br>Green Bay, WI 54302 |

Entire Report Reviewed By: Nancy F. McLain

Nancy McLain
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace National is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

## MW-3R L1089528-01 GW

| | | | Collected by | Collected date/time | Received date/time |
|---|---|---|---|---|---|
| | | | | 04/11/19 12:00 | 04/16/19 08:30 |

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Calculated Results | WG1268635 | 1 | 04/23/19 12:44 | 04/23/19 12:44 | JIC | Mt. Juliet, TN |
| Wet Chemistry by Method 3500Fe B-2011 | WG1270182 | 10 | 04/23/19 12:44 | 04/23/19 12:44 | JIC | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020 | WG1268635 | 1 | 04/19/19 11:31 | 04/21/19 20:45 | LD | Mt. Juliet, TN |

## MW-8 L1089528-02 GW

| | | | Collected by | Collected date/time | Received date/time |
|---|---|---|---|---|---|
| | | | | 04/11/19 13:05 | 04/16/19 08:30 |

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Calculated Results | WG1268635 | 1 | 04/23/19 12:47 | 04/23/19 12:47 | JIC | Mt. Juliet, TN |
| Wet Chemistry by Method 3500Fe B-2011 | WG1270182 | 25 | 04/23/19 12:47 | 04/23/19 12:47 | JIC | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020 | WG1268635 | 1 | 04/19/19 11:31 | 04/22/19 20:33 | LD | Mt. Juliet, TN |

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Nancy F. McLain

Nancy McLain
Project Manager

## Calculated Results

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | ug/l | | ug/l | ug/l | | date / time | |
| Ferric Iron | 2320 | T8 | 15.0 | 50.0 | 1 | 04/23/2019 12:44 | WG1268635 |

## Wet Chemistry by Method 3500Fe B-2011

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | ug/l | | ug/l | ug/l | | date / time | |
| Ferrous Iron | 4080 | T8 | 150 | 500 | 10 | 04/23/2019 12:44 | WG1270182 |

## Metals (ICPMS) by Method 6020

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | ug/l | | ug/l | ug/l | | date / time | |
| Iron | 6400 | V | 15.0 | 50.0 | 1 | 04/21/2019 20:45 | WG1268635 |

## Calculated Results

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | ug/l | | ug/l | ug/l | | date / time | |
| Ferric Iron | U | T8 | 15.0 | 50.0 | 1 | 04/23/2019 12:47 | WG1268635 |

## Wet Chemistry by Method 3500Fe B-2011

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | ug/l | | ug/l | ug/l | | date / time | |
| Ferrous Iron | 12100 | T8 | 375 | 1250 | 25 | 04/23/2019 12:47 | WG1270182 |

## Metals (ICPMS) by Method 6020

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | ug/l | | ug/l | ug/l | | date / time | |
| Iron | 10400 | | 15.0 | 50.0 | 1 | 04/22/2019 20:33 | WG1268635 |

## Method Blank (MB)

(MB) R3404554-1 04/23/19 11:48

| Analyte | MB Result | MB Qualifier | MB MDL | MB RDL |
|---|---|---|---|---|
| | ug/l | | ug/l | ug/l |
| Ferrous Iron | U | | 15.0 | 50.0 |

## L1089342-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1089342-01 04/23/19 11:54 • (DUP) R3404554-3 04/23/19 12:29

| Analyte | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---|---|---|---|---|---|---|
| | ug/l | ug/l | | % | | % |
| Ferrous Iron | 31.0 | 35.0 | 1 | 12.1 | J | 20 |

## Laboratory Control Sample (LCS)

(LCS) R3404554-2 04/23/19 11:51

| Analyte | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|---|---|---|---|---|---|
| | ug/l | ug/l | % | % | |
| Ferrous Iron | 1000 | 1150 | 115 | 85.0-115 | |

## L1089342-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1089342-02 04/23/19 12:30 • (MS) R3404554-4 04/23/19 12:31 • (MSD) R3404554-5 04/23/19 12:31

| Analyte | Spike Amount | Original Result | MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ug/l | ug/l | ug/l | ug/l | % | % | | % | | | % | % |
| Ferrous Iron | 1000 | 936 | 1590 | 1590 | 65.4 | 65.3 | 1 | 80.0-120 | J6 | J6 | 0.0629 | 20 |

## Method Blank (MB)

(MB) R3403904-1 04/21/19 20:31

| Analyte | MB Result | MB Qualifier | MB MDL | MB RDL |
|---|---|---|---|---|
| | ug/l | | ug/l | ug/l |
| Iron | U | | 15.0 | 50.0 |

## Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3403904-2 04/21/19 20:36 • (LCSD) R3403904-3 04/21/19 20:40

| Analyte | Spike Amount | LCS Result | LCSD Result | LCS Rec. | LCSD Rec. | Rec. Limits | LCS Qualifier | LCSD Qualifier | RPD | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|
| | ug/l | ug/l | ug/l | % | % | % | | | % | % |
| Iron | 500 | 490 | 501 | 98.0 | 100 | 80.0-120 | | | 2.24 | 20 |

## L1089528-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1089528-01 04/21/19 20:45 • (MS) R3403904-5 04/21/19 20:54 • (MSD) R3403904-6 04/21/19 20:59

| Analyte | Spike Amount | Original Result | MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ug/l | ug/l | ug/l | ug/l | % | % | | % | | | % | % |
| Iron | 500 | 6400 | 6730 | 6600 | 66.3 | 40.4 | 1 | 75.0-125 | V | V | 1.94 | 20 |

## Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

## Abbreviations and Definitions

| | |
|---|---|
| MDL | Method Detection Limit. |
| RDL | Reported Detection Limit. |
| Rec. | Recovery. |
| RPD | Relative Percent Difference. |
| SDG | Sample Delivery Group. |
| U | Not detected at the Reporting Limit (or MDL where applicable). |
| Analyte | The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported. |
| Dilution | If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor. |
| Limits | These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges. |
| Original Sample | The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG. |
| Qualifier | This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable. |
| Result | The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte. |
| Uncertainty (Radiochemistry) | Confidence level of 2 sigma. |
| Case Narrative (Cn) | A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report. |
| Quality Control Summary (Qc) | This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material. |
| Sample Chain of Custody (Sc) | This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis. |
| Sample Results (Sr) | This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported. |
| Sample Summary (Ss) | This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis. |

| Qualifier | Description |
|---|---|
| J | The identification of the analyte is acceptable; the reported value is an estimate. |
| J6 | The sample matrix interfered with the ability to make any accurate determination; spike value is low. |
| T8 | Sample(s) received past/too close to holding time expiration. |
| V | The sample concentration is too high to evaluate accurate spike recoveries. |

Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

## State Accreditations

| | | | |
|---|---|---|---|
| Alabama | 40660 | Nebraska | NE-OS-15-05 |
| Alaska | 17-026 | Nevada | TN-03-2002-34 |
| Arizona | AZ0612 | New Hampshire | 2975 |
| Arkansas | 88-0469 | New Jersey–NELAP | TN002 |
| California | 2932 | New Mexico [1] | n/a |
| Colorado | TN00003 | New York | 11742 |
| Connecticut | PH-0197 | North Carolina | Env375 |
| Florida | E87487 | North Carolina [1] | DW21704 |
| Georgia | NELAP | North Carolina [3] | 41 |
| Georgia [1] | 923 | North Dakota | R-140 |
| Idaho | TN00003 | Ohio–VAP | CL0069 |
| Illinois | 200008 | Oklahoma | 9915 |
| Indiana | C-TN-01 | Oregon | TN200002 |
| Iowa | 364 | Pennsylvania | 68-02979 |
| Kansas | E-10277 | Rhode Island | LAO00356 |
| Kentucky [1 6] | 90010 | South Carolina | 84004 |
| Kentucky [2] | 16 | South Dakota | n/a |
| Louisiana | AI30792 | Tennessee [1 4] | 2006 |
| Louisiana [1] | LA180010 | Texas | T104704245-18-15 |
| Maine | TN0002 | Texas [5] | LAB0152 |
| Maryland | 324 | Utah | TN00003 |
| Massachusetts | M-TN003 | Vermont | VT2006 |
| Michigan | 9958 | Virginia | 460132 |
| Minnesota | 047-999-395 | Washington | C847 |
| Mississippi | TN00003 | West Virginia | 233 |
| Missouri | 340 | Wisconsin | 9980939910 |
| Montana | CERT0086 | Wyoming | A2LA |

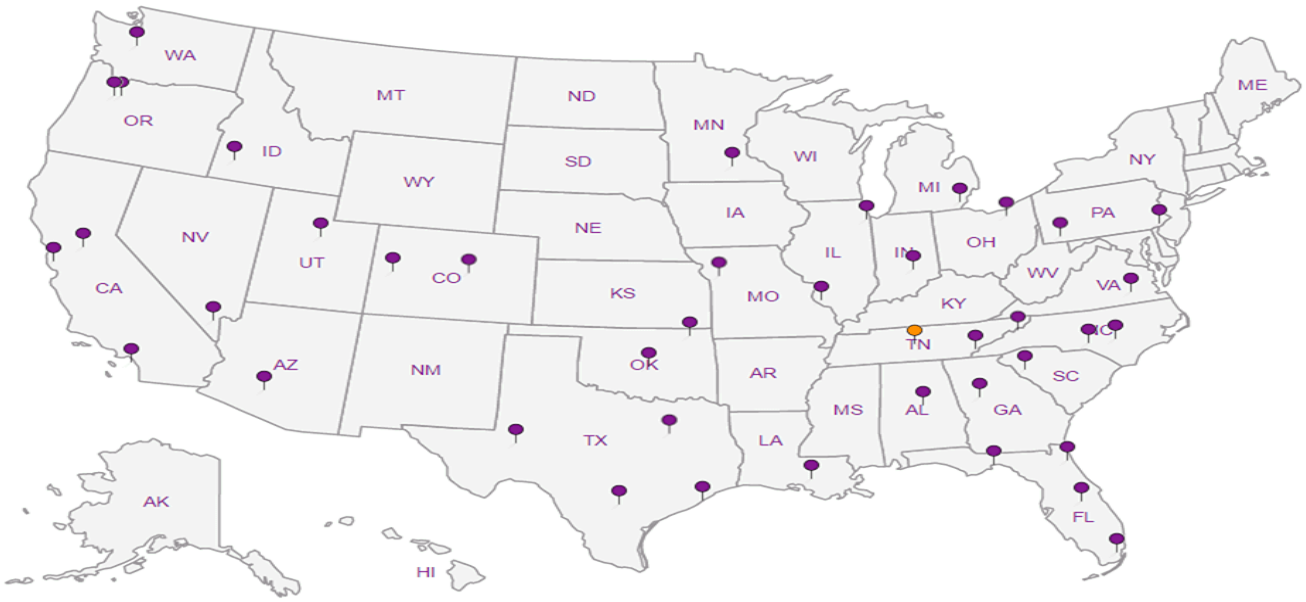
## Third Party Federal Accreditations

| | | | |
|---|---|---|---|
| A2LA – ISO 17025 | 1461.01 | AIHA-LAP,LLC EMLAP | 100789 |
| A2LA – ISO 17025 [5] | 1461.02 | DOD | 1461.01 |
| Canada | 1461.01 | USDA | P330-15-00234 |
| EPA–Crypto | TN00003 | | |

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

## Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



# Chain of Custody

Pace Analytical®
www.pacelabs.com

**Workorder:** 40185793 **Workorder Name:** 1690004905 EXPRESS CLEANERS (F **Results Requested By:** 4/29/2019

| Report / Invoice To | Subcontract To |
|---|---|
| Steven Mleczko<br>Pace Analytical Green Bay<br>1241 Bellevue Street<br>Suite 9<br>Green Bay, WI 54302<br>Phone (920)469-2436<br>Email: steve.mleczko@pacelabs.com<br>**State of Sample Origin:** WI LOD/LOQ | P.O._____<br>Pace Analytical National<br>12065 Lebanon Road<br>Mt. Juliet, TN 37122 |

| Item | Sample ID | Collect Date/Time | Lab ID | Matrix | Preserved Containers HNO3 | HCL | | | | | Requested Analysis 6020 Total Iron | 3500FE B Ferrous Iron | SM 3500-FE B Ferric Iron | Calculation | | | | | | | | | LAB USE ONLY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | MW-3R | 4/11/2019 12:00 | 40185793010 | Water | 1 | 2 | | | | | X | X | X | | | | | | | | | | -01 |
| 2 | MW-8 | 4/11/2019 13:05 | 40185793011 | Water | 1 | 2 | | | | | X | X | X | | | | | | | | | | -02 |
| 3 | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | |

L1089528

| Transfers | Released By | Date/Time | Received By | Date/Time |
|---|---|---|---|---|
| 1 | [signature] | 4/15/19 1600 | KWillis | 4/16/19 830 |
| 2 | | | | |
| 3 | | | | |

**Comments**

Pace National Cut is $80 per sample

OK

**Cooler Temperature on Receipt** _____ °C | **Custody Seal** (Y) or N | **Received on Ice** (Y) or N | **Samples Intact** (Y) or N

D-T+0.1=0.8 PM 4/9 CC

4278 9132 5960

F185

RAD SCREEN: <0.5 mR/h

4085528

Page 1 of 1

40185793

Pace Analytical®
www.pacelabs.com

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

# 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

| (Please Print Clearly) | |
|---|---|
| Company Name: | Ramboll |
| Branch/Location: | Brookfield, WI |
| Project Contact: | Scott Tarmann |
| Phone: | 262-901-0093 |
| Project Number: | 1690000490.5 |
| Project Name: | Express Lanes (Former) |
| Project State: | WI |
| Sampled By (Print): | Tyler Burgett |
| Sampled By (Sign): | Tyler Burgett |
| PO #: | Regulatory Program: |

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

**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 DATE | COLLECTION TIME | MATRIX | FILTERED? (YES/NO) Y/N | PRESERVATION (CODE)* Pick Letter | VOCs | Methane, Ethane, Ethene (RSK-175) | TOC (SM 5310C) | Sulfate (300.0) | Nitrate + Nitrite (353.2) | Total Iron (6020A) | Ferrous Iron (SM 3500) | CLIENT COMMENTS | LAB COMMENTS (Lab Use Only) | Profile # |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyses Requested | | | | N | B | X | | | | | | | | | |
| 001 | MW-15 | 4/10/19 | 1115 | GW | N | B | X | | | | | | | | | |
| 002 | MW-6 | | 1200 | | N | B | X | | | | | | | | | |
| 003 | MW-16 | | 1245 | | N | B | X | | | | | | | | | |
| 004 | MW-13 | | 1330 | | N | B | X | | | | | | | | | |
| 005 | MW-17 | | 1420 | | N | B | X | | | | | | | | | |
| 006 | MW-9 | | 1520 | | N | B | X | | | | | | | | | |
| 007 | MW-9 DUP | | 1520 | | N | B | X | | | | | | | | | |
| 008 | MW-1 | 4/11/19 | 1020 | | N | B | X | | | | | | | | | |
| 009 | PZ-1 | | 1100 | | N | B | X | | | | | | | | | |
| 010 | MW-3R | | 1200 | | N | C | X | X | X | X | X | X | X | | | |
| 011 | MW-4 | | 1305 | | N | A | X | X | X | X | X | X | X | | | |
| 012 | TRIP BLANK | | | | N | B | X | | | | | | | | | |

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):
Email #1:
Email #2:
Telephone:
Fax:

Samples on HOLD are subject to special pricing and release of liability

| Relinquished By: | Date/Time: | Received By: | Date/Time: |
|---|---|---|---|
| Tyler Burgett | 4/12/19 9:24 | Mary Fannin | 4/12/19 9:24 |
| Mary Fannin | 4/12/19 1100 | | |
| CS Logistics | 4/13/19 0825 | [illegible] | 4/13/19 0825 |
| | | | |
| | | | |

PACE Project No. 40185793
Receipt Temp = 2.4 °C
Sample Receipt pH OK / Adjusted
Cooler Custody Seal Present / Not Present
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

Pace Analytical Services, LLC
1241 Bellevue Street, Suite
Green Bay, WI 5430

# Sample Preservation Receipt Form

L1089528

Client Name: Rowbotl Project # 40185793

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

Lab Lot# of pH paper: 10253581 Lab Std #ID of preservation (if pH adjusted):

Initial when completed: Date/ Time:

| Pace Lab # | Glass | | | | | | | Plastic | | | | | | | Vials | | | | | | Jars | | | General | | | VOA Vials (>6mm) * | H2SO4 pH ≤2 | NaOH+Zn Act pH ≥9 | NaOH pH ≥12 | HNO3 pH ≤2 | pH after adjusted | Volume (mL) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | AG1U | AG1H | AG4S | AG4U | AG5U | AG2S | BG3U | BP1U | BP2N | BP2Z | BP3U | BP3C | 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 | | | | | | | | | | | 4/8/21 | | | | 2.5 / 5 / 10 |
| 010 | | | 1 | | | | | | | | 1 | | 1 | 1 | | | | 8 | | | | | | | | | | X | X | | X | | 2.5 / 5 / 10 |
| 011 | | | 1 | | | | | | | | 1 | | 1 | 1 | | | | 8 | | | | | | | | | | X | | | X | | 2.5 / 5 / 10 |
| 012 | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | 2.5 / 5 / 10 |
| 013 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5 / 5 / 10 |
| 014 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5 / 5 / 10 |
| 015 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5 / 5 / 10 |
| 016 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5 / 5 / 10 |
| 017 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5 / 5 / 10 |
| 018 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5 / 5 / 10 |
| 019 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5 / 5 / 10 |
| 020 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5 / 5 / 10 |

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

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| AG1U | 1 liter amber glass | BP1U | 1 liter plastic unpres | 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 | BP3C | 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: | |

| Pace Analytical™ 1241 Bellevue Street, Green Bay, WI 54302 | Document Name: Sample Condition Upon Receipt (SCUR) | Document Revised: 25Apr2018 |
|---|---|---|
| | Document No.: F-GB-C-031-Rev.07 | Issuing Authority: Pace Green Bay Quality Office |

# Sample Condition Upon Receipt Form (SCUR)

L1089528

Project #: WO#: 40185793

40185793

**Client Name:** Rankell

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

**Tracking #:** _____

**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: RSL /Corr: _____

**Temp Blank Present:** ☐ yes ☑ no **Biological Tissue is Frozen:** ☐ yes ☐ no

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

**Person examining contents:**
Date: 4/13/19
Initials: _____

| | | |
|---|---|---|
| Chain of Custody Present: | ☑Yes ☐No ☐N/A | 1. |
| Chain of Custody Filled Out: | ☐Yes ☑No ☐N/A | 2. mail to summary 4/13/19 |
| Chain of Custody Relinquished: | ☑Yes ☐No ☐N/A | 3. |
| Sampler Name & Signature on COC: | ☑Yes ☐No ☐N/A | 4. |
| Samples Arrived within Hold Time: | ☑Yes ☐No | 5. |
| - VOA Samples frozen upon receipt | ☐Yes ☐No | Date/Time: |
| **Short Hold Time Analysis (<72hr):** | ☐Yes ☑No | 6. |
| **Rush Turn Around Time Requested:** | ☐Yes ☑No | 7. |
| Sufficient Volume: For Analysis: ☑Yes ☐No MS/MSD: ☐Yes ☑No ☐N/A | | 8. |
| Correct Containers Used: | ☑Yes ☐No | 9. |
| -Pace Containers Used: | ☑Yes ☐No ☐N/A | |
| -Pace IR Containers Used: | ☐Yes ☐No ☑N/A | |
| Containers Intact: | ☑Yes ☐No | 10. |
| Filtered volume received for Dissolved tests | ☑Yes ☐No ☐N/A | 11. |
| Sample Labels match COC: | ☑Yes ☐No ☐N/A | 12. |
| -Includes date/time/ID/Analysis Matrix: W | | |
| Trip Blank Present: | ☑Yes ☐No ☐N/A | 13. |
| Trip Blank Custody Seals Present | ☑Yes ☐No ☐N/A | |
| Pace Trip Blank Lot # (if purchased): 416 | | |

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

**Project Manager Review:** _____ **Date:** 4/15/19

# Pace Analytical National Center for Testing & Innovation
## Cooler Receipt Form

| | | | |
|---|---|---|---|
| Client: | PACEGBWI | SDG#: | 1089528 |
| Cooler Received/Opened On: | 4/16/19 | Temperature: | 0.8°c |
| Received By: Kristin Willis | | | |
| Signature: | KWillis | | |

| Receipt Check List | NP | Yes | No |
|---|---|---|---|
| COC Seal Present / Intact? | | ✓ | |
| COC Signed / Accurate? | | ✓ | |
| Bottles arrive intact? | | ✓ | |
| Correct bottles used? | | ✓ | |
| Sufficient volume sent? | | ✓ | |
| If Applicable | | | |
| VOA Zero headspace? | | | |
| Preservation Correct / Checked? | | ✓ | |