

June 30, 2017

Program Assistant/BRR Program
Wisconsin Dept. of Natural Resources
P.O. Box 12436
2300 N. Dr. Martin Luther King Jr. Drive
Milwaukee, WI 53212

Via Priority Mail

Re: **Twin Disc, Inc. FID 252007140**
BRRTS# 02-52-000072
Twin Disc, Inc. Annual Monitoring Results Broach Machine #2525
O & M Form 4400-194

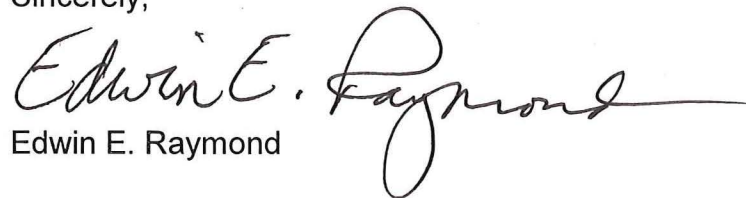
To Whom It May Concern:

Enclosed please find one (1) copy of a report entitled "*Twin Disc, Inc. Annual Monitoring Results Broach Machine #2525*". This document details the results of the latest analysis of the groundwater monitoring wells installed about the perimeter of Broach Machine #2525 located at Twin Disc, Inc., 4600 21st Street, Racine, WI 53405, FID #252007140, BRRTS# 02-52-000072.

Also enclosed please find one (1) copy of O & M Form 4400-194. This document details the performance of the extraction pumps installed in the groundwater monitoring wells installed around and about the property located at Twin Disc, Inc., 4600 21st Street, Racine, WI 53405, FID #252007140, BRRTS# 02-52-000072.

Should you have any questions or require any additional information, please do not hesitate to call.

Sincerely,


Edwin E. Raymond

cc: Ms. Roxanne Knuth – Twin Disc, Inc.

encl.

Notice: Pursuant to ss. NR 700.11(1) and 724.13(3), Wis. Adm. Code, this form is required to be completed or a narrative report or letter containing the equivalent information required in this form may be submitted in lieu of the actual form. Failure to submit this form as required is a violation and is subject to the penalties as stated in s. 292.99, Wis. Stats. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records Law (ss. 19.31-19.39, Wis. Stats.). *Unless otherwise noted, all citations refer to Wisconsin Administrative Code.*

GENERAL INSTRUCTIONS, PURPOSE AND APPLICABILITY OF THIS FORM: Completion of this form is required under s. NR 700.11(1) and s. NR 724.13(3), Wis. Adm. Code. A narrative report or letter containing the equivalent information required in this form may be submitted in lieu of the actual form. Failure to submit this form as required is a violation of s. NR 700.11(1) and s. NR 724.13(3), Wis. Adm. Code, and is subject to the penalties in s. 292.99, Wis. Stats. This form must be submitted every six months for remediation projects that are regulated under the NR 700 series of Wis. Adm. Code. Specifically, for sites meeting any of the following criteria:

- Any site where a discharge has occurred that report progress in accordance with s. NR 700.11(1), Wis. Adm. Code until site closure is granted. This includes sites where no response activities occurred during the six month reporting period. Attach, if applicable, a separate brief summary of the work completed during the reporting period and the anticipated future work.
- Soil or groundwater remediation projects that report operation and maintenance progress in accordance with s. NR 724.13(3), Wis. Adm. Code.

Note: Long-term monitoring results submitted in accordance with s. NR 724.17(3), Wis. Adm. Code are required to be submitted within 10 business days of receiving sampling results and are not required to be submitted using this form. However, portions of this form require monitoring data summary information that may be based on information previously submitted in accordance with s. NR 724.17(3), Wis. Adm. Code.

Note: Responsible parties should check with the State Project Manager assigned to the site to determine if this form is required to be submitted at sites responded to under the Federal Comprehensive Environmental Response and Compensation Act (commonly known as Superfund) or an equivalent State lead Superfund response.

Note: Responsible parties should check with the State Project Manager assigned to the site to determine if any of the information required in this form may be omitted or changed and obtain prior written approval for any omissions or changes.

Submittal of this form is not a substitute for reporting required by Department programs such as Waste Water or Air Management. Personally identifiable information on this form is not intended to be used for any other purpose than tracking progress of the remediation by the Bureau for Remediation and Redevelopment.

Only complete and submit all of page GI-1 and Section E on pages 3 and 4 for sites where a discharge has been reported but no response, monitoring or remediation has begun or occurred during the six month reporting period that are required to report only under s. NR 700.11(1), Wis. Adm. Code and attach, if applicable, a summary of the anticipated future work.

Section GI - General Site Information

A. General Information

1. Site name

Twin Disc, Inc. Broach Machine #2525

2. Reporting period from:	07/01/2016	To:	06/30/2017	Days in period:	365
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3. Regulatory agency (enter DNR, DCOM, DATCP and/or other)	4. BRRTS ID No. (2 digit program-2 digit county-6 digit site specific)
DNR	02-52-000072

5. Site location

Region	County	Address					
Southeast Region	Racine	4600 21st Street					
Municipality name	<input checked="" type="radio"/> City <input type="radio"/> Town <input type="radio"/> Village	Township	Range	<input checked="" type="radio"/> E <input type="radio"/> W	Section	1/4	1/4 1/4
Milwaukee		N					

6. Responsible party	7. Consultant	
Name	<input type="checkbox"/> Select if the following information has changed since the last submittal	
Twin Disc, Inc.	Company name	
Mailing address	Environmental Audits, Inc.	
4600 21st Street, Racine, WI 53405	Mailing address	Phone number
Phone number	11327 W. Lincoln Ave.	(414) 226-5563
(262) 554-0640	West Allis, WI 53227	

8. Contaminants
 DRO, VOC

Site name: Twin Disc, Inc. Broach Machine #2525
 Reporting period from: 07/01/2016 To: 06/30/2017
 Days in period: 365

9. Soil types (USCS or USDA)
Clay, Silty Clays

10. Hydraulic conductivity(cm/sec): <u>1.4E-7</u>	11. Average linear velocity of groundwater (ft/yr) <u>NA</u>
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12. If soil is treated ex situ, is the treatment location off site? Yes No
 If yes, give location: Region _____ County _____

Municipality name <input type="radio"/> City <input type="radio"/> Town <input type="radio"/> Village	Township <u>N</u>	Range <input type="radio"/> E <input type="radio"/> W	Section	¼	¼ ¼
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B. Remediation Method

Only submit sections that apply to an individual site. Check all that apply:

- Groundwater extraction (submit a completed Section GW-1).
- Free product recovery (submit a completed Section GW-1).
- In situ air sparging (submit a completed Section GW-2).
- Groundwater natural attenuation (submit a completed Section GW-3).
- Other groundwater remediation method (submit a completed Section GW-4).
- Soil venting (including soil vapor extraction building venting and bioventing submit a completed Section IS-1).
- Soil natural attenuation (submit a completed Section IS-2).
- Other in situ soil remediation method (submit a completed Section IS-3).
- Biopiles (submit a completed Section ES-1).
- Landspreading/thinspreading of petroleum contaminated soil (submit a completed Section ES-2).
- Other ex situ remediation method (submit a completed Section ES-3).
- Site is a landfill (submit a completed Section LF-1).

C. General Effectiveness Evaluation for All Active Systems

If the remediation is active (not natural attenuation), complete this subsection.

1. Is the system operating at design rates and specifications? Yes No
 If the answer is no, explain whether or not modifications are necessary to achieve the goal that was previously established in design.
2. Are modifications to the system warranted to improve effectiveness Yes No
 If yes, explain:
3. Is natural attenuation an effective low cost option at this time? Yes No
4. Is closure sampling warranted at this time? Yes No
5. Are there any modifications that can be made to the remediation to improve cost effectiveness? Yes No
 If yes, explain:

Site name: Twin Disc, Inc. Broach Machine #2525
Reporting period from: 07/01/2016 To: 06/30/2017
Days in period: 365

D. Economic and Cost Data to Date

1. Total investigation cost: _____
2. Implementation costs (design, capital and installation costs, excluding investigation costs): _____
3. Total costs during the previous reporting period: _____
4. Total costs during this reporting period: _____
5. Total anticipated costs for the next reporting period: _____
6. Are any unusual or one-time costs listed in the reporting periods covered by D.3., D.4. or D.5. above? Yes No
If yes, explain:

7. If closure is anticipated within 12 months, estimated costs for project closeout: _____

E. Name(s), Signature(s) and Date of Person(s) Submitting Form

Legibly print name, date and sign. Only persons qualified to submit reports under ch. NR 712 Wis. Adm. Code are to sign this form for sites with any ongoing active remediation, monitoring or an investigation. Other persons may sign this form for sites with no response activities during the six month reporting period.

Registered Professional Engineers:

I hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 4, Wis. Adm. Code; that this document has been prepared in accordance with the rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Print name	Title
Signature	Date

Hydrogeologists:

I hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03(1), Wis. Adm. Code, and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Print name	Title
Edwin E. Raymond	Professional Geologist
Signature <i>Edwin E. Raymond</i>	Date <i>6/30/17</i>

Scientists:

I hereby certify that I am a scientist as that term is defined in s. NR 712.03(3), Wis. Adm. Code, and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Print name	Title
Signature	Date

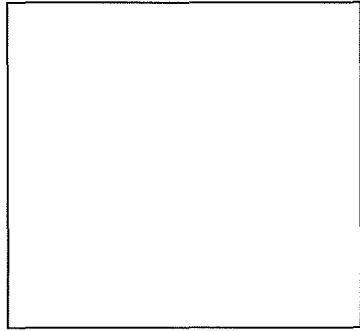
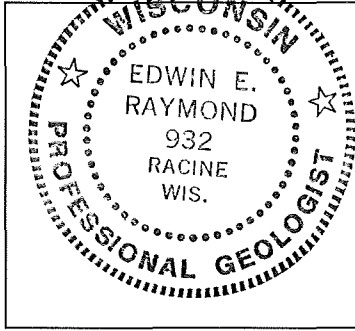
Other Persons:

Print name	Title
Signature	Date

Site name: Twin Disc, Inc. Broach Machine #2525
Reporting period from: 07/01/2016 To: 06/30/2017
Days in period: 365

**Remediation Site Progress and Operation,
Maintenance, Monitoring & Optimization
Report**
Form 4400-194 (R 1/14)

Professional Seal(s), if applicable:



Site name: Twin Disc, Inc. Broach Machine #2525
Reporting period from: 07/01/2016 To: 06/30/2017
Days in period: 365

Section GW-1, Groundwater Pump and Treat Systems and Free Product Recovery Systems

A. Groundwater Extraction System Operation:

1. Total number of groundwater extraction wells or trenches available: 2 and the number in use during period: 2
2. Number of days of operation (only list the number of days the system actually operated, if unknown explain:
46

3. System utilization in percent (days of operation divided by reporting time period multiplied by 100). If < 80%, explain:
12%; sump pit and stand pipe are manually pumped dry on a sporadic basis.

4. Quantity of groundwater extracted during this time period: 3,072 gallons
5. Average groundwater extraction rate: 2 gpm
6. Quantity of dissolved phase contaminants removed during this time period in pounds: 0.003 lbs

B. Free Product Recovery System Operation

1. Is free product (nonaqueous phase liquid) being recovered at this site? Yes No
If yes, explain:
Extraction Pumps

2. Quantity of free product extracted during this time period (enter none if none): 875 gallons
3. Average free product extraction rate: 4 gpm

C. System Effectiveness Evaluation

1. Is a contaminated groundwater plume fully contained in the capture zone? Yes No
If no, explain:

2. If free product is present, is the free product fully contained in capture zone? Yes No
If no, explain:

3. If free product is present in any wells at the site, but free product was not recovered during reporting period, explain:

4. If free product is not present, determine the single contaminant that requires the greatest percent reduction to achieve ch. NR 140 ES and PAL. Perform this calculation for all contaminants that were present at the site that have ch. NR 140 standards. Use the highest contaminant concentration measured in any sampling points during reporting period. If free product is present, write "FREE PRODUCT" in C.4.a.
 - a. Contaminant: Free Product
 - b. Percent reduction necessary to reach ch. NR 140 ES and PAL: %
 - c. Maximum contaminant concentration level in any monitoring well of that contaminant: µg/L
 - d. Maximum contaminant concentration level in any extraction well of that contaminant: µg/L

Site name: Twin Disc, Inc. Broach Machine #2525

Reporting period from: 07/01/2016 To: 06/30/2017

Days in period: 365

Remediation Site Progress and Operation, Maintenance, Monitoring & Optimization Report

Form 4400-194 (R 1/14)

Page 6 of 29

- e. If the maximum concentration in a monitoring well is more than one order of magnitude above the concentration measured in an extraction well, explain why the extracted groundwater contamination levels are significantly less than the levels at other locations within the aquifer.

D. Additional Attachments

Attach the following to this form:

- Most recent report to the DNR Wastewater Program, if applicable.
- Groundwater contour map with capture zone indicated.
- Groundwater contaminant distribution map (may be combined with contour map).
- Graph of cumulative contaminant removal, if both free product recovery and ground water extraction are used, provide separate graphs.
- Time versus groundwater contaminant concentration graphs for the contaminant listed in C.4.a. (above), as follows:
 - Graph of contaminant concentrations versus time for each extraction well in use during the period.
 - Graph of contaminant concentrations versus time for the monitoring well with the greatest level of contamination.
- Groundwater contaminant chemistry table.
- Groundwater elevations table.
- System operational data table.

Twin Disc, Inc.
2017 Annual Monitoring Results
Broach Machine #2525

Subject Property
Twin Disc, Inc.
4600 21st Street
Racine, WI 53405
FID #252007140
BRRTS: 02-52-000072

June 30, 2017

Prepared by:

Edwin E. Raymond
Environmental Audits, Inc.
State of Wisconsin
Professional Geologist 932

I, Edwin E. Raymond, hereby certify that I am a hydrogeologist as that term is defined under s. NR 712.03(1), Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Edwin E. Raymond
Environmental Audits, Inc.
State of Wisconsin
Professional Geologist 932

Preface

Environmental Audits, Inc. (EA) has exercised reasonable efforts to accomplish the required tasks for the "**Twin Disc, Inc. 2017 Annual Monitoring Results Broach Machine #2525**". EA has employed the professional standards applicable to the environmental consulting field today.

The information required for the "**Twin Disc, Inc. 2017 Annual Monitoring Results Broach Machine #2525**" has been provided to Environmental Audits, Inc. by Twin Disc, Inc. management. This work was accomplished within time and budget limitations. More definitive conclusions may be desired than are warranted by the facts available under these constraints. The conclusions stated in this report are intended for guidance.

WE MAKE NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION WARRANTIES AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Further, the information provided in this report is not to be construed as legal advice or a recommendation as to a course of action unless explicitly stated.

PURPOSE

The purpose of this submittal is to provide an Quarterly Report or Update per the requirements of s. NR 724.13(e) describing the results of the previous four (4) quarters of groundwater sampling at the Twin Disc, Inc. Plant 3 manufacturing Site. This report summarizes the additional investigation involved with the subsurface contamination resulting from an oil/solvent leak through the Twin Disc, Incorporated Machine #2525 Broach Pit retaining wall. This leakage occurred over an unknown period of time but was first noticed on August 8, 1990.

This report also provides the results obtained from the most recent round of WDNR Diesel Range Organics (DRO) and VOC, EPA 5030/8021 sampling of the monitoring wells: MW-1, MW-2, MW-6, MW-7, MW-9, MW-10, MW-17, MW-18, MW-20, MW-21, MW-22, MW-23, MW-24, and MW-25. MW-10, MW-18, MW-20, and MW-21 were not sampled due to the presence of free product. Sampling of these wells was conducted on June 16, 2017.

The previously submitted documents are incorporated into this document by reference.

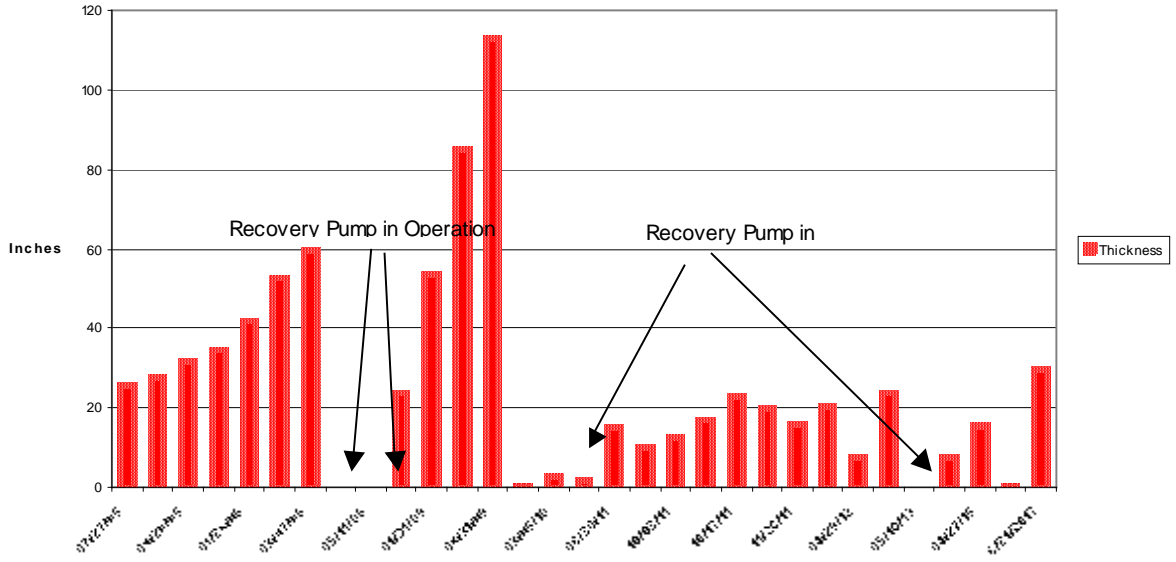
INTRODUCTION

This report deals with the results obtained over the previous year of quarterly analysis performed on the groundwater monitoring wells, commencing during November 2012, for WDNR Diesel Range Organics (DRO), EPA SW3510C, and VOC, EPA SW8260B/SW5030A.

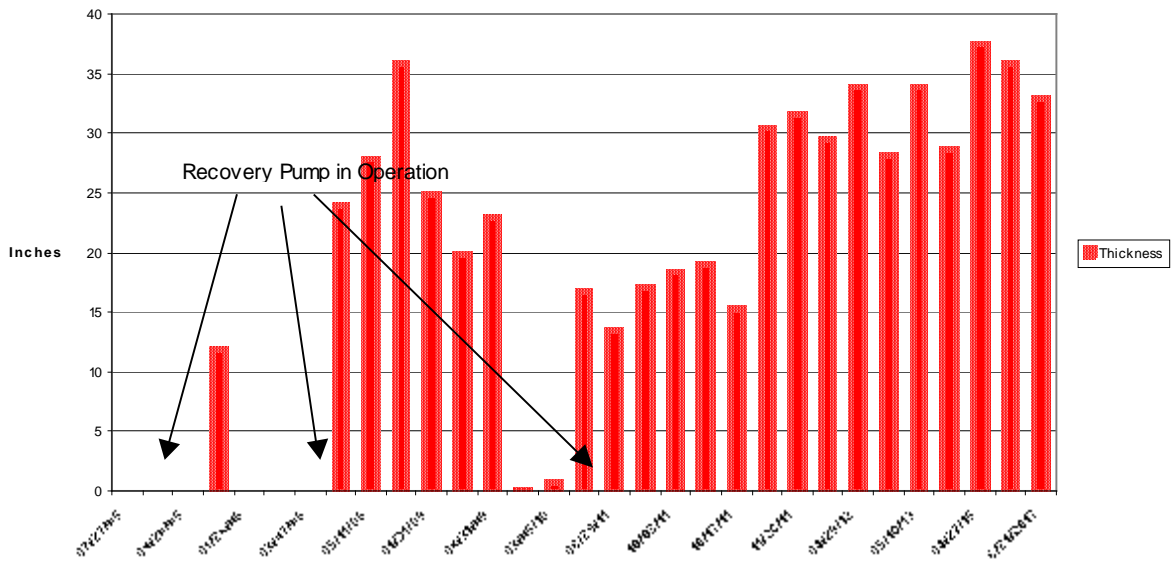
Groundwater monitoring wells were developed in accordance to the procedures detailed in s. NR 141. Groundwater monitoring well samples obtained for laboratory analysis were placed in appropriate pre-weighed sample containers immediately after being collected. Groundwater monitoring well samples were cooled to 4 degrees Celsius by placing the samples in a container and surrounding them with ice. Groundwater monitoring well sample containers were filled to the maximum extent possible to reduce headspace and the possible loss of volatile hydrocarbons. All VOC samples were preserved with a 1:1 addition of hydrochloric acid.

Groundwater monitoring well samples were transported to Pace Analytical Services, Inc., 1241 Bellevue Street - Suite 9, Green Bay, WI 54302, WDNR Certification Number 405132750, under established Chain of Custody procedures and analyzed for WDNR Diesel Range Organics (DRO), EPA SW3510C, and VOC, EPA SW8260B/SW5030A. Please see Appendix III for groundwater monitoring well sample Chain of Custody.

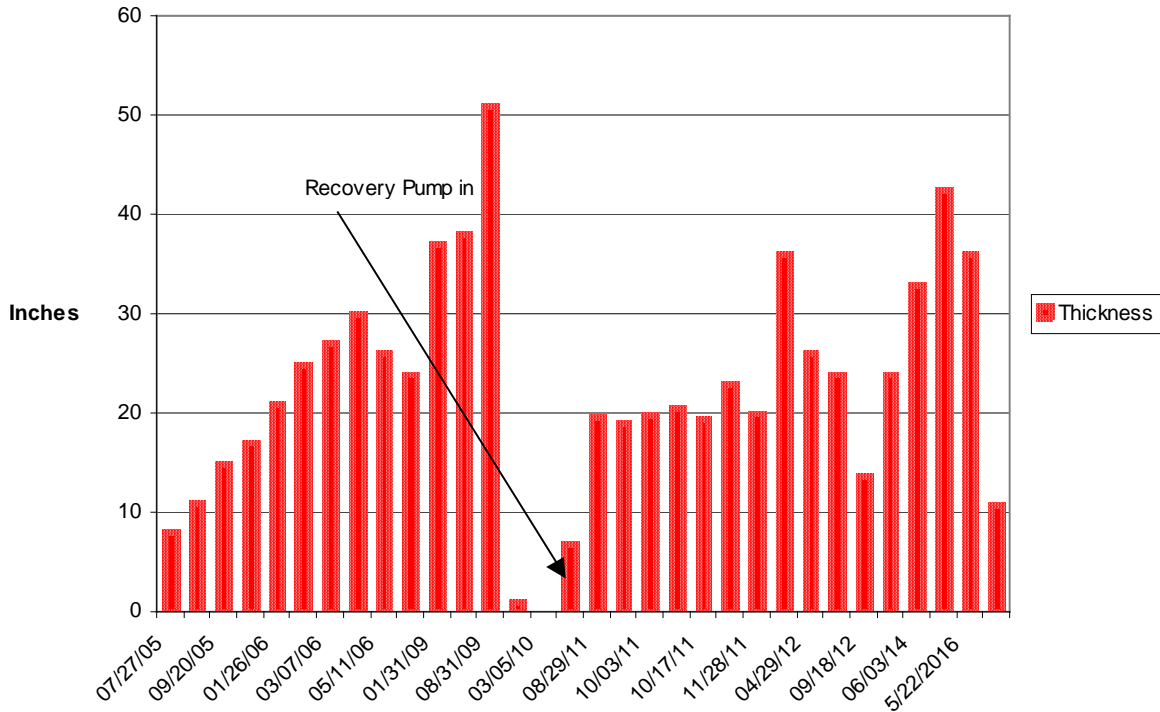
MW-18 Free Product



MW-20 Free Product



MW-21 Free Product



DRO sampling was discontinued as a regular analytical parameter as of the 2nd Quarter 2016 groundwater analysis.

Pace Analytical Services, Inc., 1241 Bellevue Street - Suite 9, Green Bay, WI 54302, WDNR Certification Number 405132750, analyzed these monitoring well samples for Volatile Organic Compounds, utilizing USEPA Method SW8260B/SW5030A. Sample results exceeding the appropriate s. NR 140 Enforcement Standard (ES) or Preventative Action Limit (PAL) are highlighted. All Petroleum Volatile Organic Compound results are reported in units of ug/l.

Results of these analyses are as follows:

Groundwater Well MW-1

Test Description					NR 140	NR 140
Method 8260B	Jun-17	Nov-16	Jun-16	Nov-15	ES	PAL
Acetone	NTF	NTF	NTF	NTF	1000 ug/l	200 ug/l
Benzene	<5.0	<5.0	<0.50	<0.50	5 ug/l	0.5 ug/l
Bromodichloromethane	<5.0	<5.0	<0.50	<0.50	0.6 ug/l	0.06 ug/l
Bromoform	<5.0	<5.0	<0.50	<0.50	4.4 ug/l	0.44 ug/l
Bromomethane	<24.3	<24.3	<2.4	<2.4	10 ug/l	1 ug/l
Carbon Disulfide	NTF	NTF	NTF	NTF	1000 ug/l	200 ug/l
Carbon Tetrachloride	<5.0	<5.0	<0.50	<0.50	5 ug/l	0.5 ug/l
Chlorobenzene	<5.0	<5.0	<0.50	<0.50	NS	NS
Chloroethane	34.9	18.2	16.4	19.8	400 ug/l	80 ug/l
Chloroform	<25.0	<25.0	<2.5	<2.5	6 ug/l	0.6 ug/l
Chloromethane	<5.0	<5.0	<0.50	<0.50	3 ug/l	0.3 ug/l
Dibromochloromethane	<5.0	<5.0	<0.50	<0.50	60 ug/l	6 ug/l
1,2-Dibromo-3-chloropropane	<21.6	<21.6	<2.2	<2.2	0.2 ug/l	0.02 ug/l
1,2-Dibromomethane	<1.8	<1.8	<0.18	<0.18	NS	NS
1,1-Dichloroethane	70.2	88.7	99.6	95.8	850 ug/l	85 ug/l
1,2-Dichloroethane	<1.7	<1.7	<0.17	<0.17	5 ug/l	0.5 ug/l
1,1-Dichloroethene	<4.1	<4.1	0.66 J	<0.41	7 ug/l	0.7 ug/l
cis-1,2-Dichloroethene	<2.6	<2.6	1.7	2.9	70 ug/l	7 ug/l
trans-1,2-Dichloroethene	<2.6	<2.6	<0.26	<0.26	100 ug/l	20 ug/l
1,2-Dichloropropane	<2.3	<2.3	<0.23	<0.23	5 ug/l	0.5 ug/l
Ethyl Benzene	<5.0	<5.0	<0.50	<0.50	700 ug/l	140 ug/l
2-Hexanone	NTF	NTF	NTF	NTF	NS	NS
Methylene Chloride	<2.3	<2.3	<0.23	<0.23	5 ug/l	0.5 ug/l
Methyl-tert-Butylether	<1.7	<1.7	<0.17	<0.17	60 ug/l	6 ug/l
Styrene	<5.0	<5.0	<0.50	<0.50	100 ug/l	10 ug/l
1,1,2,2-Tetrachloroethane	<2.5	<2.5	<0.25	<0.25	0.2 ug/l	0.02 ug/l
Tetrachloroethene	<5.0	<5.0	<0.50	<0.50	5 ug/l	0.5 ug/l
Toluene	<5.0	<5.0	<0.50	<0.50	1 mg/l	0.2 mg/l
1,1,1-Trichloroethane	7.1 J	33.1	35.2	<0.50	200 ug/l	40 ug/l
1,1,2-Trichloroethane	<1.6	<1.6	<0.20	<0.20	5 ug/l	0.5 ug/l
Trichloroethene	<3.3	<3.3	<0.33	<0.33	5 ug/l	0.5 ug/l
Vinyl Chloride	5.3 J	6.2 J	4.0	3.0	0.2 ug/l	0.02 ug/l
Total Xylenes	<15.0	<15.0	<1.5	<1.5	10 mg/l	1 mg/l

VOCs reported in units of ug/l

B: Analyte detected in the associated Method Blank

J: Analyte detected below quantitation limits

Groundwater Well MW-2

Test Description					NR 140	NR 140
Method 8260B	Jun-17	Nov-16	Jun-16	Nov-15	ES	PAL
Acetone	NTF	NTF	NTF	NTF	1000 ug/l	200 ug/l
Benzene	<5.0	<5.0	<0.50	<0.50	5 ug/l	0.5 ug/l
Bromodichloromethane	<5.0	<5.0	<0.50	<0.50	0.6 ug/l	0.06 ug/l
Bromoform	<5.0	<5.0	<0.50	<0.50	4.4 ug/l	0.44 ug/l
Bromomethane	<24.3	<24.3	<2.4	<2.4	10 ug/l	1 ug/l
Carbon Disulfide	NTF	NTF	NTF	NTF	1000 ug/l	200 ug/l
Carbon Tetrachloride	<5.0	<5.0	<0.50	<0.50	5 ug/l	0.5 ug/l
Chlorobenzene	<5.0	<5.0	<0.50	<0.50	NS	NS
Chloroethane	13.5	10.9	8.0	10.6	400 ug/l	80 ug/l
Chloroform	<25.0	<25.0	<2.5	<2.5	6 ug/l	0.6 ug/l
Chloromethane	<5.0	<5.0	<0.50	<0.50	3 ug/l	0.3 ug/l
Dibromochloromethane	<5.0	<5.0	<0.50	<0.50	60 ug/l	6 ug/l
1,2-Dibromo-3-chloropropane	<21.6	<21.6	<2.2	<2.2	0.2 ug/l	0.02 ug/l
1,2-Dibromomethane	<1.8	<1.8	<0.18	<0.18	NS	NS
1,1-Dichloroethane	19.4	29.9	27.3	21.6	850 ug/l	85 ug/l
1,2-Dichloroethane	<1.7	<1.7	<0.17	<0.17	5 ug/l	0.5 ug/l
1,1-Dichloroethene	<4.1	<4.1	<0.41	<0.41	7 ug/l	0.7 ug/l
cis-1,2-Dichloroethene	<2.6	<2.6	<0.26	<0.26	70 ug/l	7 ug/l
trans-1,2-Dichloroethene	<2.6	<2.6	<0.26	<0.26	100 ug/l	20 ug/l
1,2-Dichloropropane	<2.3	<2.3	<0.23	<0.23	5 ug/l	0.5 ug/l
Ethyl Benzene	<5.0	<5.0	<0.50	<0.50	700 ug/l	140 ug/l
2-Hexanone	NTF	NTF	NTF	NTF	NS	NS
Methylene Chloride	<2.3	<2.3	<0.23	<0.23	5 ug/l	0.5 ug/l
Methyl-tert-Butylether	<1.7	<1.7	<0.17	<0.17	60 ug/l	6 ug/l
Styrene	<5.0	<5.0	<0.50	<0.50	100 ug/l	10 ug/l
1,1,2,2-Tetrachloroethane	<2.5	<2.5	<0.26	<0.26	0.2 ug/l	0.02 ug/l
Tetrachloroethene	<5.0	<5.0	<0.50	<0.50	5 ug/l	0.5 ug/l
Toluene	<5.0	<5.0	<0.50	<0.50	1 mg/l	0.2 mg/l
1,1,1-Trichloroethane	5.3 J	12.8	16.1	<0.50	200 ug/l	40 ug/l
1,1,2-Trichloroethane	<1.6	<1.6	<0.20	<0.20	5 ug/l	0.5 ug/l
Trichloroethene	<3.3	<3.3	<0.33	<0.33	5 ug/l	0.5 ug/l
Vinyl Chloride	<1.8	<1.8	0.26 J	<0.18	0.2 ug/l	0.02 ug/l
Total Xylenes	<15.0	<15.0	<1.50	<1.50	10 mg/l	1 mg/l

VOCs reported in units of ug/l

B: Analyte detected in the associated Method Blank

J: Analyte detected below quantitation limits

Groundwater Well MW-6

Test Description					NR 140	NR 140
Method 8260B	Jun-17	Nov-16	Jun-16	Nov-15	ES	PAL
Acetone	NTF	NTF	NTF	NTF	1000 ug/l	200 ug/l
Benzene	<5.0	<12.5	<2.0	<0.50	5 ug/l	0.5 ug/l
Bromodichloromethane	<5.0	<12.5	<2.0	<0.50	0.6 ug/l	0.06 ug/l
Bromoform	<5.0	<12.5	>2.0	<0.50	4.4 ug/l	0.44 ug/l
Bromomethane	<24.3	<60.8	<9.7	<2.4	10 ug/l	1 ug/l
Carbon Disulfide	NTF	NTF	NTF	NTF	1000 ug/l	200 ug/l
Carbon Tetrachloride	<5.0	<12.5	<2.0	<0.50	5 ug/l	0.5 ug/l
Chlorobenzene	<5.0	<12.5	<2.0	<0.50	NS	NS
Chloroethane	<5.0	16.8 J	28.4	50.0	400 ug/l	80 ug/l
Chloroform	<25.0	<62.5	<10.0	<2.5	6 ug/l	0.6 ug/l
Chloromethane	<5.0	<12.5	<2.0	<0.50	3 ug/l	0.3 ug/l
Dibromochloromethane	<5.0	<12.5	<2.0	<0.50	60 ug/l	6 ug/l
1,2-Dibromo-3-chloropropane	<21.6	<54.1	<8.7	<2.2	0.2 ug/l	0.02 ug/l
1,2-Dibromomethane	<1.8	<4.4	<0.71	<0.18	NS	NS
1,1-Dichloroethane	125	174	223	138	850 ug/l	85 ug/l
1,2-Dichloroethane	<1.7	<4.2	<0.67	<0.17	5 ug/l	0.5 ug/l
1,1-Dichloroethene	<4.1	<10.3	<1.6	0.45 J	7 ug/l	0.7 ug/l
cis-1,2-Dichloroethene	<2.6	<6.4	3.3 J	3.5	70 ug/l	7 ug/l
trans-1,2-Dichloroethene	<2.6	<6.4	<1.0	0.32 J	100 ug/l	20 ug/l
1,2-Dichloropropane	<2.3	<5.8	<0.93	<0.23	5 ug/l	0.5 ug/l
Ethyl Benzene	<5.0	<12.5	<2.0	<0.50	700 ug/l	140 ug/l
2-Hexanone	NTF	NTF	NTF	NTF	NS	NS
Methylene Chloride	<2.3	<5.8	<0.93	<0.23	5 ug/l	0.5 ug/l
Methyl-tert-Butylether	<1.7	<4.4	<0.70	<0.17	60 ug/l	6 ug/l
Styrene	<5.0	<12.5	<2.0	<0.50	100 ug/l	10 ug/l
1,1,2,2-Tetrachloroethane	<2.5	<6.2	<1.0	<0.26	0.2 ug/l	0.02 ug/l
Tetrachloroethene	<5.0	<12.5	<2.0	<0.50	5 ug/l	0.5 ug/l
Toluene	<5.0	<12.5	<2.0	0.83 J	1 mg/l	0.2 mg/l
1,1,1-Trichloroethane	<5.0	16.6 J	<2.0	<0.50	200 ug/l	40 ug/l
1,1,2-Trichloroethane	<1.6	<4.9	<0.79	<0.20	5 ug/l	0.5 ug/l
Trichloroethene	<3.3	<8.3	<1.3	0.54 J	5 ug/l	0.5 ug/l
Vinyl Chloride	<1.8	<4.4	2.8 J	2.9	0.2 ug/l	0.02 ug/l
Total Xylenes	<15.0	<37.5	<6.0	<1.50	10 mg/l	1 mg/l

VOCs reported in units of ug/l

B: Analyte detected in the associated Method Blank
 J: Analyte detected below quantitation limits

Groundwater Well MW-7

Test Description					NR 140	NR 140
Method 8260B	Jun-17	Nov-16	Jun-16	Nov-15	ES	PAL
Acetone	NTF	NTF	NTF	NTF	1000 ug/l	200 ug/l
Benzene	<5.0	<0.50	<1.2	<0.50	5 ug/l	0.5 ug/l
Bromodichloromethane	<5.0	<0.50	<1.2	<0.50	0.6 ug/l	0.06 ug/l
Bromoform	<5.0	<0.50	<1.2	<0.50	4.4 ug/l	0.44 ug/l
Bromomethane	<24.3	<2.4	<6.1	<2.4	10 ug/l	1 ug/l
Carbon Disulfide	NTF	NTF	NTF	NTF	1000 ug/l	200 ug/l
Carbon Tetrachloride	<5.0	<0.50	<1.2	<0.50	5 ug/l	0.5 ug/l
Chlorobenzene	<5.0	<0.50	<1.2	<0.50	NS	NS
Chloroethane	<5.0	4.9	<0.94	<0.37	400 ug/l	80 ug/l
Chloroform	<25.0	<2.5	<6.2	<2.5	6 ug/l	0.6 ug/l
Chloromethane	<5.0	<0.50	<1.2	<0.50	3 ug/l	0.3 ug/l
Dibromochloromethane	<5.0	<0.32	<1.2	<0.32	60 ug/l	6 ug/l
1,2-Dibromo-3-chloropropane	<21.6	<2.2	<5.4	<2.2	0.2 ug/l	0.02 ug/l
1,2-Dibromomethane	<1.8	<0.16	<0.44	<0.16	NS	NS
1,1-Dichloroethane	5.5 J	38.7	2.7	2.6	850 ug/l	85 ug/l
1,2-Dichloroethane	<1.7	<0.17	<0.42	<0.17	5 ug/l	0.5 ug/l
1,1-Dichloroethene	<4.1	2.1	<1.0	<0.41	7 ug/l	0.7 ug/l
cis-1,2-Dichloroethene	<2.6	<0.50	<0.64	0.44 J	70 ug/l	7 ug/l
trans-1,2-Dichloroethene	<2.6	<0.24	<0.64	<0.24	100 ug/l	20 ug/l
1,2-Dichloropropane	<2.3	<0.23	<0.58	<0.23	5 ug/l	0.5 ug/l
Ethyl Benzene	<5.0	<0.50	<1.2	<0.50	700 ug/l	140 ug/l
2-Hexanone	NTF	NTF	NTF	NTF	NS	NS
Methylene Chloride	<2.3	<0.23	<0.58	<0.23	5 ug/l	0.5 ug/l
Methyl-tert-Butylether	<1.7	<0.17	<0.44	<0.17	60 ug/l	6 ug/l
Styrene	<5.0	<0.15	<1.2	<0.15	100 ug/l	10 ug/l
1,1,2,2-Tetrachloroethane	<2.5	<0.25	<0.62	<0.25	0.2 ug/l	0.02 ug/l
Tetrachloroethene	<5.0	<0.50	<1.2	<0.50	5 ug/l	0.5 ug/l
Toluene	<5.0	0.62 J	<1.2	<0.50	1 mg/l	0.2 mg/l
1,1,1-Trichloroethane	<5.0	34.0	<1.2	<0.50	200 ug/l	40 ug/l
1,1,2-Trichloroethane	<1.6	<0.16	<0.49	<0.16	5 ug/l	0.5 ug/l
Trichloroethene	<3.3	<0.33	<0.83	<0.33	5 ug/l	0.5 ug/l
Vinyl Chloride	<1.8	0.50 J	<0.44	<0.18	0.2 ug/l	0.02 ug/l
Total Xylenes	<15.0	<1.5	<3.7	<1.5	10 mg/l	1 mg/l

VOCs reported in units of ug/l

B: Analyte detected in the associated Method Blank

J: Analyte detected below quantitation limits

Groundwater Well MW-9

Test Description					NR 140	NR 140
Method 8260B	Jun-17	Nov-16	Jun-16	Nov-15	ES	PAL
Acetone	NTF	NTF	NTF	NTF	1000 ug/l	200 ug/l
Benzene	<0.50	<0.50	<0.50	<0.50	5 ug/l	0.5 ug/l
Bromodichloromethane	<0.50	<0.50	<0.50	<0.50	0.6 ug/l	0.06 ug/l
Bromoform	<0.50	<0.50	<0.50	<0.50	4.4 ug/l	0.44 ug/l
Bromomethane	<2.4	<2.4	<2.4	<2.4	10 ug/l	1 ug/l
Carbon Disulfide	NTF	NTF	NTF	NTF	1000 ug/l	200 ug/l
Carbon Tetrachloride	<0.50	<0.50	<0.50	<0.50	5 ug/l	0.5 ug/l
Chlorobenzene	<0.50	<0.50	<0.50	<0.50	NS	NS
Chloroethane	<0.37	1.8	<0.37	<0.37	400 ug/l	80 ug/l
Chloroform	<2.5	<2.5	<2.5	<2.5	6 ug/l	0.6 ug/l
Chloromethane	<0.50	<0.50	<0.50	<0.50	3 ug/l	0.3 ug/l
Dibromochloromethane	<0.50	<0.50	<0.50	<0.50	60 ug/l	6 ug/l
1,2-Dibromo-3-chloropropane	<2.2	<2.2	<2.2	<2.2	0.2 ug/l	0.02 ug/l
1,2-Dibromomethane	<0.18	<0.18	<0.18	<0.18	NS	NS
1,1-Dichloroethane	1.9	15.3	1.3	6.4	850 ug/l	85 ug/l
1,2-Dichloroethane	<0.17	<0.17	<0.17	<0.17	5 ug/l	0.5 ug/l
1,1-Dichloroethene	<0.41	1.1	<0.41	<0.41	7 ug/l	0.7 ug/l
cis-1,2-Dichloroethene	1.0	1.3	1.3	1.0	70 ug/l	7 ug/l
trans-1,2-Dichloroethene	<0.26	<0.26	<0.26	<0.26	100 ug/l	20 ug/l
1,2-Dichloropropane	<0.23	<0.23	<0.23	<0.23	5 ug/l	0.5 ug/l
Ethyl Benzene	<0.50	<0.50	<0.50	<0.50	700 ug/l	140 ug/l
2-Hexanone	NTF	NTF	NTF	NTF	NS	NS
Methylene Chloride	<0.23	<0.23	<0.23	<0.23	5 ug/l	0.5 ug/l
Methyl-tert-Butylether	<0.17	<0.17	<0.17	<0.17	60 ug/l	6 ug/l
Styrene	<0.50	<0.50	<0.50	<0.50	100 ug/l	10 ug/l
1,1,2,2-Tetrachloroethane	<0.26	<0.26	<0.26	<0.26	0.2 ug/l	0.02 ug/l
Tetrachloroethene	<0.50	<0.50	<0.50	<0.50	5 ug/l	0.5 ug/l
Toluene	>0.50	>0.50	>0.50	>0.50	1 mg/l	0.2 mg/l
1,1,1-Trichloroethane	<0.50	18.0	<5.0	4.4	200 ug/l	40 ug/l
1,1,2-Trichloroethane	<0.20	<0.20	<0.20	<0.20	5 ug/l	0.5 ug/l
Trichloroethene	<0.33	<0.33	<0.33	<0.33	5 ug/l	0.5 ug/l
Vinyl Chloride	<0.18	0.19 J	<0.18	<0.18	0.2 ug/l	0.02 ug/l
Total Xylenes	<1.50	<1.50	<1.50	<1.50	10 mg/l	1 mg/l

VOCs reported in units of ug/l

B: Analyte detected in the associated Method Blank

J: Analyte detected below quantitation limits

Groundwater Well MW-10

Test Description					NR 140	NR 140
Method 8260B	Jun-17	Nov-16	Jun-16	Nov-15	ES	PAL
Acetone	NS - FP	NTF	NTF	NTF	1000 ug/l	200 ug/l
Benzene	NS - FP	<1.0	<1.0	<1.0	5 ug/l	0.5 ug/l
Bromodichloromethane	NS - FP	<1.0	<1.0	<1.0	0.6 ug/l	0.06 ug/l
Bromoform	NS - FP	<1.0	<1.0	<1.0	4.4 ug/l	0.44 ug/l
Bromomethane	NS - FP	<4.9	<4.9	<4.9	10 ug/l	1 ug/l
Carbon Disulfide	NS - FP	NTF	NTF	NTF	1000 ug/l	200 ug/l
Carbon Tetrachloride	NS - FP	<1.0	<1.0	<1.0	5 ug/l	0.5 ug/l
Chlorobenzene	NS - FP	<1.0	<1.0	<1.0	NS	NS
Chloroethane	NS - FP	1.9 J	<0.75	<0.76	400 ug/l	80 ug/l
Chloroform	NS - FP	<5.0	<5.0	<5.0	6 ug/l	0.6 ug/l
Chloromethane	NS - FP	<1.0	<1.0	<1.0	3 ug/l	0.3 ug/l
Dibromochloromethane	NS - FP	<1.0	<1.0	<1.0	60 ug/l	6 ug/l
1,2-Dibromo-3-chloropropane	NS - FP	<4.3	<4.3	<4.3	0.2 ug/l	0.02 ug/l
1,2-Dichlorobenzene	NS - FP	<1.0	2.2	1.8 J	75 ug/l	7.5 ug/l
1,2-Dibromomethane	NS - FP	<0.33	<0.33	<0.33	NS	NS
1,1-Dichloroethane	NS - FP	40.0	1.6 J	4.2	850 ug/l	85 ug/l
1,2-Dichloroethane	NS - FP	<0.34	<0.34	<0.34	5 ug/l	0.5 ug/l
1,1-Dichloroethene	NS - FP	1.2 J	<0.82	<0.82	7 ug/l	0.7 ug/l
cis-1,2-Dichloroethene	NS - FP	1.3 J	0.64 J	1.0 J	70 ug/l	7 ug/l
trans-1,2-Dichloroethene	NS - FP	5.7	5.5	6.9	100 ug/l	20 ug/l
1,2-Dichloropropane	NS - FP	<0.47	<0.47	<0.47	5 ug/l	0.5 ug/l
Ethyl Benzene	NS - FP	<1.0	<1.0	<1.0	700 ug/l	140 ug/l
2-Hexanone	NS - FP	NTF	NTF	NTF	NS	NS
Methylene Chloride	NS - FP	<0.47	<0.47	1.2 J	5 ug/l	0.5 ug/l
Methyl-tert-Butylether	NS - FP	<0.35	<0.35	<0.35	60 ug/l	6 ug/l
Styrene	NS - FP	<1.0	<1.0	<1.0	100 ug/l	10 ug/l
1,1,2,2-Tetrachloroethane	NS - FP	<0.50	<0.50	<0.50	0.2 ug/l	0.02 ug/l
Tetrachloroethene	NS - FP	<1.0	<1.0	<1.0	5 ug/l	0.5 ug/l
Toluene	NS - FP	<1.0	<1.0	<1.0	1 mg/l	0.2 mg/l
1,1,1-Trichloroethane	NS - FP	59.0	<1.0	1.6 J	200 ug/l	40 ug/l
1,1,2-Trichloroethane	NS - FP	<0.31	<0.31	<0.31	5 ug/l	0.5 ug/l
Trichloroethene	NS - FP	<0.66	<0.66	<0.66	5 ug/l	0.5 ug/l
Vinyl Chloride	NS - FP	306	232	380	0.2 ug/l	0.02 ug/l
Total Xylenes	NS - FP	<3.0	<3.0	<3.0	10 mg/l	1 mg/l

VOCs reported in units of ug/l

- B: Analyte detected in the associated Method Blank
 J: Analyte detected below quantitation limits
 NS - FP No Sample Free Product

Groundwater Well MW-11

Test Description					NR 140	NR 140
Method 8260	Mar-17	Sep-16	Jan-16	Jul-15	ES	PAL
Acetone	NTF	NTF	NTF	NTF	1000 ug/l	200 ug/l
Benzene	<1.2	<1.2	<0.50	<1.2	5 ug/l	0.5 ug/l
Bromodichloromethane	<1.2	<1.2	<0.50	<1.2	0.6 ug/l	0.06 ug/l
Bromoform	<1.2	<1.2	<0.50	<1.2	4.4 ug/l	0.44 ug/l
Bromomethane	<6.1	<6.1	<2.4	<6.1	10 ug/l	1 ug/l
Carbon Tetrachloride	<1.2	<1.2	<0.50	<1.2	5 ug/l	0.5 ug/l
Chlorobenzene	<1.2	<1.2	<0.50	<1.2	NS	NS
Chloroethane	<0.94	<0.94	<0.37	<0.94	400 ug/l	80 ug/l
2-Chloroethyl Vinyl Ether	NTF	NTF	NTF	NTF	NS	NS
Chloroform	<6.2	<6.2	<2.5	<6.2	6 ug/l	0.6 ug/l
Chloromethane	<1.2	<1.2	<0.50	<1.2	3 ug/l	0.3 ug/l
Dibromochloromethane	<1.2	<1.2	<0.50	<1.2	60 ug/l	6 ug/l
1,2-Dibromo-3-chloropropane	<5.4	<5.4	<2.2	<5.4	0.2 ug/l	0.02 ug/l
1,2-Dibromomethane	<0.44	<0.44	<0.18	<0.44	NS	NS
1,1-Dichloroethane	1.0 J	<0.60	0.33 J	27.7	850 ug/l	85 ug/l
1,2-Dichloroethane	<0.42	<0.42	<0.17	<0.42	5 ug/l	0.5 ug/l
1,1-Dichloroethene	<1.0	<1.0	0.41	<1.0	7 ug/l	0.7 ug/l
cis-1,2-Dichloroethene	216	193	212	209	70 ug/l	7 ug/l
trans-1,2-Dichloroethene	14.9	15.4	10.4	9.4	100 ug/l	20 ug/l
1,2-Dichloropropane	<0.58	<0.58	<0.23	<0.58	5 ug/l	0.5 ug/l
Ethyl Benzene	<1.2	<1.2	<0.50	<1.2	700 ug/l	140 ug/l
Methylene Chloride	<0.58	<0.58	<0.23	<0.58	5 ug/l	0.5 ug/l
4-Methyl-2-Pentanone	NTF	NTF	NTF	NTF	500 ug/l	50 ug/l
Methyl-tert-Butylether	<0.44	<0.44	<0.17	<0.44	60 ug/l	6 ug/l
Styrene	<1.2	<1.2	<0.50	<1.2	100 ug/l	10 ug/l
1,1,2,2-Tetrachloroethane	<0.62	<0.62	<0.25	<0.62	0.2 ug/l	0.02 ug/l
Tetrachloroethene	3.6	4.3	6.7	4.4	5 ug/l	0.5 ug/l
Toluene	<1.2	<1.2	<0.50	<1.2	1 mg/l	0.2 mg/l
1,1,1-Trichloroethane	<1.2	<1.2	<0.50	172	200 ug/l	40 ug/l
1,1,2-Trichloroethane	<0.49	<0.49	<0.20	<0.49	5 ug/l	0.5 ug/l
Trichloroethene	7.5	8.6	9.4	6.8	5 ug/l	0.5 ug/l
Vinyl Chloride	<0.44	<0.44	<0.18	<0.44	0.2 ug/l	0.02 ug/l
Total Xylenes	<3.7	<3.7	<1.50	<3.7	10 mg/l	1 mg/l

VOCs reported in units of ug/l

B: Analyte detected in the associated Method Blank
 J: Analyte detected below quantitation limits

Groundwater Well MW-12

Test Description					NR 140	NR 140
Method 8260	Mar-17	Sep-16	Jan-16	Jul-15	ES	PAL
Acetone	NTF	NTF	NTF	NTF	1000 ug/l	200 ug/l
Benzene	<5.0	<5.0	<5.0	<0.50	5 ug/l	0.5 ug/l
Bromodichloromethane	<5.0	<5.0	<5.0	<0.50	0.6 ug/l	0.06 ug/l
Carbon Tetrachloride	<5.0	<5.0	<5.0	<0.50	5 ug/l	0.5 ug/l
Chlorobenzene	<5.0	<5.0	<5.0	<0.50	NS	NS
Chloroethane	<3.7	<3.7	<3.7	<0.37	400 ug/l	80 ug/l
Chloroform	<25.0	<25.0	<25.0	<2.6	6 ug/l	0.6 ug/l
Chloromethane	<5.0	<5.0	<5.0	<0.50	3 ug/l	0.3 ug/l
Dibromochloromethane	<5.0	<5.0	<5.0	<0.50	60 ug/l	6 ug/l
1,2-Dibromo-3-chloropropane	<21.6	<21.6	<21.6	<2.2	0.2 ug/l	0.02 ug/l
1,2-Dibromomethane	<1.8	<1.8	<1.8	<0.18	NS	NS
1,1-Dichloroethane	61.2	<2.4	<2.4	23.7	850 ug/l	85 ug/l
1,2-Dichloroethane	<1.7	<1.7	<1.7	<0.17	5 ug/l	0.5 ug/l
1,1-Dichloroethene	<4.1	<4.1	<4.1	<0.41	7 ug/l	0.7 ug/l
cis-1,2-Dichloroethene	<2.6	<2.6	<2.6	6.0	70 ug/l	7 ug/l
trans-1,2-Dichloroethene	<2.6	<2.6	<2.6	<0.26	100 ug/l	20 ug/l
1,2-Dichloropropane	<2.3	<2.3	<2.3	<0.23	5 ug/l	0.5 ug/l
Ethyl Benzene	<5.0	<5.0	<5.0	<0.50	700 ug/l	140 ug/l
Methylene Chloride	<2.3	<2.3	<2.3	<0.23	5 ug/l	0.5 ug/l
Methyl-tert-Butylether	<1.7	<1.7	<1.7	<0.17	60 ug/l	6 ug/l
1,1,2,2-Tetrachloroethane	<2.5	<2.5	<2.5	<0.25	0.2 ug/l	0.02 ug/l
Tetrachloroethene	<5.0	<5.0	<5.0	<0.50	5 ug/l	0.5 ug/l
Toluene	<5.0	<5.0	<5.0	<0.50	1 mg/l	0.2 mg/l
1,1,1-Trichloroethane	27.4	<5.0	<5.0	46.5	200 ug/l	40 ug/l
1,1,2-Trichloroethane	<2.0	<2.0	<2.0	<0.20	5 ug/l	0.5 ug/l
Trichloroethene	<3.3	<3.3	<3.3	<0.33	5 ug/l	0.5 ug/l
Vinyl Chloride	<1.8	<1.8	<1.8	<0.18	0.2 ug/l	0.02 ug/l
Total Xylenes	<15.0	<15.0	<15.0	<1.50	10 mg/l	1 mg/l

VOCs reported in units of ug/l

B: Analyte detected in the associated Method Blank
 J: Analyte detected below quantitation limits

Groundwater Well MW-13

Test Description

Method 8021

	Mar-17	Sep-16	Jan-16	Jul-15	NR 140 ES	NR 140 PAL
Benzene	<0.50	<0.50	<0.50	<0.50	5 ug/l	0.5 ug/l
Bromodichloromethane	<0.50	<0.50	<0.50	<0.50	0.6 ug/l	0.06 ug/l
Carbon Tetrachloride	<0.50	<0.50	<0.50	<0.50	5 ug/l	0.5 ug/l
Chlorobenzene	<0.50	<0.50	<0.50	<0.50	NS	NS
Chloroethane	<0.37	<0.37	<0.37	<0.37	400 ug/l	80 ug/l
Chloroform	<2.5	<2.5	<2.5	<2.5	6 ug/l	0.6 ug/l
Chloromethane	<0.50	<0.50	<0.50	<0.50	3 ug/l	0.3 ug/l
Dibromochloromethane	<0.50	<0.50	<0.50	<0.50	60 ug/l	6 ug/l
1,2-Dibromo-3-chloropropane	<2.2	<2.2	<2.2	<2.2	0.2 ug/l	0.02 ug/l
1,2-Dibromomethane	<0.16	<0.16	<0.16	<0.16	NS	NS
1,1-Dichloroethane	1.2	<0.24	<0.24	2.6	850 ug/l	85 ug/l
1,2-Dichloroethane	<0.17	<0.17	<0.17	<0.17	5 ug/l	0.5 ug/l
1,1-Dichloroethene	<0.41	<0.41	<0.41	<0.41	7 ug/l	0.7 ug/l
cis-1,2-Dichloroethene	<0.26	<0.26	<0.26	<0.26	70 ug/l	7 ug/l
trans-1,2-Dichloroethene	<0.26	<0.26	<0.26	<0.26	100 ug/l	20 ug/l
1,2-Dichloropropane	<0.23	<0.23	<0.23	<0.23	5 ug/l	0.5 ug/l
Ethyl Benzene	<0.50	<0.50	<0.50	<0.50	700 ug/l	140 ug/l
Methylene Chloride	<0.23	<0.23	<0.23	<0.23	5 ug/l	0.5 ug/l
Methyl-tert-Butylether	<0.17	<0.17	<0.17	<0.17	60 ug/l	6 ug/l
1,1,2,2-Tetrachloroethane	<0.25	<0.25	<0.25	<0.25	0.2 ug/l	0.02 ug/l
Tetrachloroethene	<0.50	<0.50	<0.50	<0.50	5 ug/l	0.5 ug/l
Toluene	<0.50	<0.50	<0.50	<0.50	1 mg/l	0.2 mg/l
1,1,1-Trichloroethane	<0.50	<0.50	<0.50	1.6	200 ug/l	40 ug/l
1,1,2-Trichloroethane	<0.20	<0.20	<0.20	<0.20	5 ug/l	0.5 ug/l
Trichloroethene	<0.33	<0.33	<0.33	<0.33	5 ug/l	0.5 ug/l
Vinyl Chloride	<0.18	<0.18	<0.18	<0.18	0.2 ug/l	0.02 ug/l
Total Xylenes	<1.50	<1.50	<1.50	<1.50	10 mg/l	1 mg/l

VOCs reported in units of ug/l

B: Analyte detected in the associated Method Blank

J: Analyte detected below quantitation limits

Groundwater Well MW-14

Test Description					NR 140	NR 140
Method 8260	Mar-17	Sep-16	Mar-16	Jul-15	ES	PAL
Acetone	NTF	NTF	NTF	NTF	1000 ug/l	200 ug/l
Benzene	<0.50	<0.50	<0.50	<0.50	5 ug/l	0.5 ug/l
Bromodichloromethane	<0.50	<0.50	<0.50	<0.50	0.6 ug/l	0.06 ug/l
Bromoform	<0.50	<0.50	<0.50	<0.50	4.4 ug/l	0.44 ug/l
Bromomethane	<2.4	<2.4	<2.4	<2.4	10 ug/l	1 ug/l
2-Butanone (MEK)	NTF	NTF	NTF	NTF	460 ug/l	90 ug/l
Carbon Tetrachloride	<0.50	<0.50	<0.50	<0.50	5 ug/l	0.5 ug/l
Chlorobenzene	<0.50	<0.50	<0.50	<0.50	NS	NS
Chloroethane	<0.37	<0.37	<0.37	<0.37	400 ug/l	80 ug/l
Chloroform	<2.5	<2.5	<2.5	<2.5	6 ug/l	0.6 ug/l
Chloromethane	<0.50	<0.50	<0.50	<0.50	3 ug/l	0.3 ug/l
Dibromochloromethane	<0.50	<0.50	<0.50	<0.50	60 ug/l	6 ug/l
1,2-Dibromo-3-chloropropane	<2.2	<2.2	<2.2	<2.2	0.2 ug/l	0.02 ug/l
1,2-Dibromomethane	<0.18	<0.18	<0.18	<0.18	NS	NS
1,1-Dichloroethane	43.5	46.3	40.4	57.8	850 ug/l	85 ug/l
1,2-Dichloroethane	<0.17	<0.17	<0.17	<0.17	5 ug/l	0.5 ug/l
1,1-Dichloroethene	6.3	3.8	5.8	6.4	7 ug/l	0.7 ug/l
cis-1,2-Dichloroethene	6.1	3.9	5.4	5.0	70 ug/l	7 ug/l
trans-1,2-Dichloroethene	<0.26	<0.26	0.40 J	0.51 J	100 ug/l	20 ug/l
1,2-Dichloropropane	<0.23	<0.23	<0.23	<0.23	5 ug/l	0.5 ug/l
Ethyl Benzene	<0.50	<0.50	<0.50	<0.50	700 ug/l	140 ug/l
Methylene Chloride	<0.23	<0.23	<0.23	<0.23	5 ug/l	0.5 ug/l
4-Methyl-2-Pentanone	NTF	NTF	NTF	NTF	500 ug/l	50 ug/l
Methyl-tert-Butylether	<0.17	<0.17	<0.17	<0.17	60 ug/l	6 ug/l
Styrene	<0.50	<0.50	<0.50	<0.50	100 ug/l	10 ug/l
1,1,2,2-Tetrachloroethane	<0.25	<0.25	<0.25	<0.25	0.2 ug/l	0.02 ug/l
Tetrachloroethene	<0.50	<0.50	<0.50	<0.50	5 ug/l	0.5 ug/l
Toluene	<0.50	<0.50	<0.50	<0.50	1 mg/l	0.2 mg/l
1,1,1-Trichloroethane	83.9	45.7	85.2	82.9	200 ug/l	40 ug/l
1,1,2-Trichloroethane	<0.20	<0.20	<0.20	<0.20	5 ug/l	0.5 ug/l
Trichloroethene	5.6	3.3	4.5	3.9	5 ug/l	0.5 ug/l
Vinyl Chloride	0.20 J	0.56 J	0.89 J	1.0	0.2 ug/l	0.02 ug/l
Total Xylenes	<1.50	<1.50	<1.50	<1.50	10 mg/l	1 mg/l

VOCs reported in units of ug/l

B: Analyte detected in the associated Method Blank

J: Analyte detected below quantitation limits

Groundwater Well MW-15

Test Description					NR 140	NR 140
Method 8260	Mar-17	Sep-16	Mar-16	Oct-15	ES	PAL
Acetone	NTF	NTF	NTF	NTF	1000 ug/l	200 ug/l
Benzene	<0.50	<0.50	<0.50	<0.50	5 ug/l	0.5 ug/l
Bromodichloromethane	<0.50	<0.50	<0.50	<0.50	0.6 ug/l	0.06 ug/l
Bromoform	<0.50	<0.50	<0.50	<0.50	4.4 ug/l	0.44 ug/l
Bromomethane	<2.4	<2.4	<2.4	<2.4	10 ug/l	1 ug/l
2-Butanone (MEK)	NTF	NTF	NTF	NTF	460 ug/l	90 ug/l
Carbon Tetrachloride	<0.50	<0.50	<0.50	<0.50	5 ug/l	0.5 ug/l
Chlorobenzene	<0.50	<0.50	<0.50	<0.50	NS	NS
Chloroethane	<0.37	<0.37	<0.37	<0.37	400 ug/l	80 ug/l
Chloroform	<2.5	<2.5	<2.5	<2.5	6 ug/l	0.6 ug/l
Chloromethane	<0.50	<0.50	<0.50	<0.50	3 ug/l	0.3 ug/l
Dibromochloromethane	<0.50	<0.50	<0.50	<0.50	60 ug/l	6 ug/l
1,2-Dibromo-3-chloropropane	<2.2	<2.2	<2.2	<2.2	0.2 ug/l	0.02 ug/l
1,2-Dibromomethane	<1.6	<1.6	<1.6	<1.6	NS	NS
1,1-Dichloroethane	<0.24	<0.24	<0.24	0.28 J	850 ug/l	85 ug/l
1,2-Dichloroethane	<0.17	<0.17	<0.17	<0.17	5 ug/l	0.5 ug/l
1,1-Dichloroethene	<0.41	<0.41	<0.41	<0.41	7 ug/l	0.7 ug/l
cis-1,2-Dichloroethene	<0.26	<0.26	<0.26	<0.26	70 ug/l	7 ug/l
trans-1,2-Dichloroethene	<0.26	<0.26	<0.26	<0.26	100 ug/l	20 ug/l
1,2-Dichloropropane	<0.23	<0.23	<0.23	<0.23	5 ug/l	0.5 ug/l
Ethyl Benzene	<0.50	<0.50	<0.50	<0.50	700 ug/l	140 ug/l
Methylene Chloride	<0.23	<0.23	<0.23	<0.23	5 ug/l	0.5 ug/l
4-Methyl-2-Pentanone	NTF	NTF	NTF	NTF	500 ug/l	50 ug/l
Methyl-tert-Butylether	<0.17	<0.17	<0.17	<0.17	60 ug/l	6 ug/l
Styrene	<0.50	<0.50	<0.50	<0.50	100 ug/l	10 ug/l
1,1,2,2-Tetrachloroethane	<0.25	<0.25	<0.25	<0.25	0.2 ug/l	0.02 ug/l
Tetrachloroethene	<0.50	<0.50	<0.50	<0.50	5 ug/l	0.5 ug/l
Toluene	<0.50	<0.50	<0.50	<0.50	1 mg/l	0.2 mg/l
1,1,1-Trichloroethane	<0.50	<0.50	<0.50	<0.50	200 ug/l	40 ug/l
1,1,2-Trichloroethane	<0.16	<0.16	<0.16	<0.16	5 ug/l	0.5 ug/l
Trichloroethene	<0.33	<0.33	<0.33	<0.33	5 ug/l	0.5 ug/l
Vinyl Chloride	<0.18	<0.18	<0.18	<0.18	0.2 ug/l	0.02 ug/l
Total Xylenes	<1.5	<1.5	<1.5	<1.5	10 mg/l	1 mg/l

VOCs reported in units of ug/l

B: Analyte detected in the associated Method Blank
 J: Analyte detected below quantitation limits

Groundwater Well MW-16

Test Description					NR 140	NR 140
Method 8260	Mar-17	Sep-16	Jan-16	Jul-15	ES	PAL
Benzene	<0.50	<0.50	<0.50	<0.50	5 ug/l	0.5 ug/l
Bromodichloromethane	<0.50	<0.50	<0.50	<0.50	0.6 ug/l	0.06 ug/l
Carbon Tetrachloride	<0.50	<0.50	<0.50	<0.50	5 ug/l	0.5 ug/l
Chlorobenzene	<0.50	<0.50	<0.50	<0.50	NS	NS
Chloroethane	<0.37	<0.37	<0.37	<0.37	400 ug/l	80 ug/l
Chloroform	<2.5	<2.5	<2.5	<2.5	6 ug/l	0.6 ug/l
Chloromethane	<0.50	<0.50	<0.50	<0.50	3 ug/l	0.3 ug/l
Dibromochloromethane	<0.50	<0.50	<0.50	<0.50	60 ug/l	6 ug/l
1,2-Dibromo-3-chloropropane	<2.2	<2.2	<2.2	<2.2	0.2 ug/l	0.02 ug/l
1,2-Dibromomethane	<0.18	<0.18	<0.18	<0.18	NS	NS
1,1-Dichloroethane	0.38 J	<0.24	<0.24	3.3	850 ug/l	85 ug/l
1,2-Dichloroethane	<0.17	<0.17	<0.17	<0.17	5 ug/l	0.5 ug/l
1,1-Dichloroethene	<0.41	<0.41	<0.41	<0.41	7 ug/l	0.7 ug/l
cis-1,2-Dichloroethene	<0.26	<0.26	<0.26	<0.26	70 ug/l	7 ug/l
trans-1,2-Dichloroethene	<0.26	<0.26	<0.26	<0.26	100 ug/l	20 ug/l
1,2-Dichloropropane	<0.23	<0.23	<0.23	<0.23	5 ug/l	0.5 ug/l
Ethyl Benzene	<0.50	<0.50	<0.50	<0.50	700 ug/l	140 ug/l
2-Hexanone	NTF	NTF	NTF	NTF	NS	NS
Methylene Chloride	<0.23	<0.23	<0.23	<0.23	5 ug/l	0.5 ug/l
Methyl-tert-Butylether	<0.17	<0.17	<0.17	<0.17	60 ug/l	6 ug/l
Styrene	<0.50	<0.50	<0.50	<0.50	100 ug/l	10 ug/l
1,1,2,2-Tetrachloroethane	<0.25	<0.25	<0.25	<0.25	0.2 ug/l	0.02 ug/l
Tetrachlorethane	<0.50	<0.50	<0.50	<0.50	5 ug/l	0.5 ug/l
Toluene	<0.50	<0.50	<0.50	<0.50	1 mg/l	0.2 mg/l
1,1,1-Trichloroethane	<0.50	<0.50	<0.50	2.3	200 ug/l	40 ug/l
1,1,2-Trichloroethane	<0.20	<0.20	<0.20	<0.20	5 ug/l	0.5 ug/l
Trichloroethene	<0.33	<0.33	<0.33	<0.33	5 ug/l	0.5 ug/l
Vinyl Chloride	<0.18	<0.18	<0.18	<0.18	0.2 ug/l	0.02 ug/l
Total Xylenes	<1.50	<1.50	<1.50	<1.50	10 mg/l	1 mg/l

VOCs reported in units of ug/l

B: Analyte detected in the associated Method Blank
 J: Analyte detected below quantitation limits

Groundwater Well MW-17

Test Description					NR 140	NR 140
Method 8260B	Jun-17	Nov-16	Jun-16	Nov-15	ES	PAL
Acetone	NTF	NTF	NTF	NTF	1000 ug/l	200 ug/l
Benzene	<0.50	<0.50	<0.50	<0.50	5 ug/l	0.5 ug/l
Bromodichloromethane	<0.50	<0.50	<0.50	<0.50	0.6 ug/l	0.06 ug/l
Bromoform	<0.50	<0.50	<0.50	<0.50	4.4 ug/l	0.44 ug/l
Bromomethane	<2.4	<2.4	<2.4	<2.4	10 ug/l	1 ug/l
Carbon Disulfide	NTF	NTF	NTF	NTF	1000 ug/l	200 ug/l
Carbon Tetrachloride	<0.50	<0.50	<0.50	<0.50	5 ug/l	0.5 ug/l
Chlorobenzene	<0.50	<0.50	<0.50	<0.50	NS	NS
Chloroethane	<0.37	1.0	<0.37	<0.37	400 ug/l	80 ug/l
Chloroform	<2.5	<2.5	<2.5	<2.5	6 ug/l	0.6 ug/l
Chloromethane	<0.50	<0.50	<0.50	<0.50	3 ug/l	0.3 ug/l
Dibromochloromethane	<0.50	<0.50	<0.50	<0.50	60 ug/l	6 ug/l
1,2-Dibromo-3-chloropropane	<2.2	<2.2	<2.2	<2.2	0.2 ug/l	0.02 ug/l
1,2-Dibromomethane	<0.18	<0.18	<0.18	<0.18	NS	NS
1,1-Dichloroethane	0.39 J	9.7	0.42 J	2.8	850 ug/l	85 ug/l
1,2-Dichloroethane	<0.17	<0.17	<0.17	<0.17	5 ug/l	0.5 ug/l
1,1-Dichloroethene	<0.41	0.80 J	<0.41	<0.41	7 ug/l	0.7 ug/l
cis-1,2-Dichloroethene	<0.26	<0.26	<0.26	0.47 J	70 ug/l	7 ug/l
trans-1,2-Dichloroethene	<0.26	<0.26	<0.26	<0.26	100 ug/l	20 ug/l
1,2-Dichloropropane	<0.23	<0.23	<0.23	<0.23	5 ug/l	0.5 ug/l
Ethyl Benzene	<0.50	<0.50	<0.50	<0.50	700 ug/l	140 ug/l
2-Hexanone	NTF	NTF	NTF	NTF	NS	NS
Methylene Chloride	<0.23	<0.23	<0.23	<0.23	5 ug/l	0.5 ug/l
Methyl-tert-Butylether	<0.17	<0.17	<0.17	<0.17	60 ug/l	6 ug/l
Styrene	<0.50	<0.50	<0.50	<0.50	100 ug/l	10 ug/l
1,1,2,2-Tetrachloroethane	<0.25	<0.25	<0.25	<0.25	0.2 ug/l	0.02 ug/l
Tetrachloroethene	<0.50	<0.50	<0.50	<0.50	5 ug/l	0.5 ug/l
Toluene	<0.50	<0.50	<0.50	<0.50	1 mg/l	0.2 mg/l
1,1,1-Trichloroethane	<0.50	14.0	<0.50	4	200 ug/l	40 ug/l
1,1,2-Trichloroethane	<0.20	<0.20	<0.20	<0.20	5 ug/l	0.5 ug/l
Trichloroethene	<0.33	<0.33	<0.33	<0.33	5 ug/l	0.5 ug/l
Vinyl Chloride	<0.18	<0.18	<0.18	<0.18	0.2 ug/l	0.02 ug/l
Total Xylenes	<1.5	<1.5	<1.5	<1.5	10 mg/l	1 mg/l

VOCs reported in units of ug/l

B: Analyte detected in the associated Method Blank
 J: Analyte detected below quantitation limits

Groundwater Well MW-18

Test Description					NR 140	NR 140
Method 8260	Jun-17	May-16	Apr-15	Jun-14	ES	PAL
Acetone	NS - FP	NTF	NTF	NTF	1000 ug/l	200 ug/l
Benzene	NS - FP	<0.50	<2.5	<10.0	5 ug/l	0.5 ug/l
Bromodichloromethane	NS - FP	<0.50	<2.5	<6.8	0.6 ug/l	0.06 ug/l
Bromoform	NS - FP	<0.50	<2.5	<10.0	4.4 ug/l	0.44 ug/l
Bromomethane	NS - FP	<2.4	<12.2	<48.7	10 ug/l	1 ug/l
2-Butanone (MEK)	NS - FP	NTF	NTF	NTF	460 ug/l	90 ug/l
Carbon Tetrachloride	NS - FP	<0.50	<2.5	<10.0	5 ug/l	0.5 ug/l
Chlorobenzene	NS - FP	<0.50	<2.5	<10.0	NS	NS
Chloroethane	NS - FP	<0.37	<1.9	<7.5	400 ug/l	80 ug/l
2-Chloroethyl Vinyl Ether	NS - FP	NTF	NTF	NTF	NS	NS
Chloroform	NS - FP	<2.5	<12.5	<50.0	6 ug/l	0.6 ug/l
Chloromethane	NS - FP	<0.50	<2.5	<10.0	3 ug/l	0.3 ug/l
Dibromochloromethane	NS - FP	<0.50	<1.5	<6.4	60 ug/l	6 ug/l
1,2-Dibromo-3-chloropropane	NS - FP	<2.2	<10.8	<43.3	0.2 ug/l	0.02 ug/l
1,2-Dibromomethane	NS - FP	<0.18	<0.82	<3.3	NS	NS
1,1-Dichloroethane	NS - FP	<0.24	<1.2	153	850 ug/l	85 ug/l
1,2-Dichloroethane	NS - FP	<0.17	<0.84	<3.4	5 ug/l	0.5 ug/l
1,1-Dichloroethene	NS - FP	<0.41	<2.1	11.6 J	7 ug/l	0.7 ug/l
cis-1,2-Dichloroethene	NS - FP	<0.26	<1.3	<5.1	70 ug/l	7 ug/l
trans-1,2-Dichloroethene	NS - FP	<0.26	<1.2	<4.8	100 ug/l	20 ug/l
1,2-Dichloropropane	NS - FP	<0.23	<1.2	<4.7	5 ug/l	0.5 ug/l
Ethyl Benzene	NS - FP	<0.50	<2.5	<10.0	700 ug/l	140 ug/l
Methylene Chloride	NS - FP	<0.23	<1.2	<4.7	5 ug/l	0.5 ug/l
4-Methyl-2-Pentanone	NS - FP	NTF	NTF	NTF	NS	NS
Methyl-tert-Butylether	NS - FP	<0.17	<0.87	<3.5	60 ug/l	6 ug/l
Styrene	NS - FP	<0.50	<2.5	<10.0	100 ug/l	10 ug/l
1,1,2,2-Tetrachloroethane	NS - FP	<0.26	<1.2	<5.0	0.2 ug/l	0.02 ug/l
Tetrachlorethane	NS - FP	<0.50	<2.5	<10.0	5 ug/l	0.5 ug/l
Toluene	NS - FP	0.88 J	<2.5	<10.0	1 mg/l	0.2 mg/l
1,1,1-Trichloroethane	NS - FP	<0.50	<2.5	44.7	200 ug/l	40 ug/l
1,1,2-Trichloroethane	NS - FP	<0.20	<0.99	<3.1	5 ug/l	0.5 ug/l
Trichloroethene	NS - FP	<0.33	<1.7	<6.6	5 ug/l	0.5 ug/l
Vinyl Chloride	NS - FP	<0.18	<0.88	<3.5	0.2 ug/l	0.02 ug/l
Total Xylenes	NS - FP	<1.5	<7.5	<30.0	10 mg/l	1 mg/l

VOCs reported in units of ug/l
 B: Analyte detected in the associated Method Blank
 J: Analyte detected below quantitation limits
 NS - FP No Sample Free Product

Groundwater Well MW-19

Test Description					NR 140	NR 140
Method 8260	Mar-17	Sep-16	Jan-16	Jul-15	ES	PAL
Benzene	<0.50	<0.50	<0.50	<0.50	5 ug/l	0.5 ug/l
Bromodichloromethane	<0.50	<0.50	<0.50	<0.50	0.6 ug/l	0.06 ug/l
Carbon Tetrachloride	<0.50	<0.50	<0.50	<0.50	5 ug/l	0.5 ug/l
Chlorobenzene	<0.50	<0.50	<0.50	<0.50	NS	NS
Chloroethane	<0.37	<0.37	<0.37	<0.37	400 ug/l	80 ug/l
Chloroform	<2.5	<2.5	<2.5	<2.5	6 ug/l	0.6 ug/l
Chloromethane	<0.50	<0.50	<0.50	<0.50	3 ug/l	0.3 ug/l
Dibromochloromethane	<0.50	<0.50	<0.50	<0.50	60 ug/l	6 ug/l
1,2-Dibromo-3-chloropropane	<2.2	<2.2	<2.2	<2.2	0.2 ug/l	0.02 ug/l
1,2-Dibromomethane	<0.18	<0.18	<0.18	<0.18	NS	NS
1,1-Dichloroethane	1.1	0.54 J	0.54 J	4.9	850 ug/l	85 ug/l
1,2-Dichloroethane	<0.17	<0.17	<0.17	<0.17	5 ug/l	0.5 ug/l
1,1-Dichloroethene	<0.41	<0.41	<0.41	<0.41	7 ug/l	0.7 ug/l
cis-1,2-Dichloroethene	<0.26	<0.26	<0.26	<0.26	70 ug/l	7 ug/l
trans-1,2-Dichloroethene	<0.26	<0.26	<0.26	<0.26	100 ug/l	20 ug/l
1,2-Dichloropropane	<0.23	<0.23	<0.23	<0.23	5 ug/l	0.5 ug/l
Ethyl Benzene	<0.50	<0.50	<0.50	<0.50	700 ug/l	140 ug/l
Methylene Chloride	<0.23	<0.23	<0.23	<0.23	5 ug/l	0.5 ug/l
Methyl-tert-Butyl-Ether	<0.17	<0.17	<0.17	<0.17	60 ug/l	6 ug/l
Styrene	<0.50	<0.50	<0.50	<0.50	100 ug/l	10 ug/l
1,1,2,2-Tetrachloroethane	<0.25	<0.25	<0.25	<0.25	0.2 ug/l	0.02 ug/l
Tetrachlorethane	<0.50	<0.50	<0.50	<0.50	5 ug/l	0.5 ug/l
Toluene	<0.50	<0.50	<0.50	<0.50	1 mg/l	0.2 mg/l
1,1,1-Trichloroethane	<0.50	<0.50	<0.50	2.9	200 ug/l	40 ug/l
1,1,2-Trichloroethane	<0.20	<0.20	<0.20	<0.20	5 ug/l	0.5 ug/l
Trichloroethene	<0.33	<0.33	<0.33	<0.33	5 ug/l	0.5 ug/l
Vinyl Chloride	<0.18	<0.18	<0.18	<0.18	0.2 ug/l	0.02 ug/l
Total Xylenes	<1.50	<1.50	<1.50	<1.50	10 mg/l	1 mg/l

VOCs reported in units of ug/l
 B: Analyte detected in the associated Method Blank
 J: Analyte detected below quantitation limits

Groundwater Well MW-20 Test Description

Method 8260	Jun-17	Apr-15	Jun-14	May-13	NR 140 ES	NR 140 PAL
Acetone	NS - FP	NTF	NTF	NTF	1000 ug/l	200 ug/l
Benzene	NS - FP	<5.0	<25.0	<5.0	5 ug/l	0.5 ug/l
Bromodichloromethane	NS - FP	<5.0	<17.0	<4.5	0.6 ug/l	0.06 ug/l
Bromoform	NS - FP	<5.0	<25.0	<2.3	4.4 ug/l	0.44 ug/l
Bromomethane	NS - FP	<24.3	<122	<4.3	10 ug/l	1 ug/l
2-Butanone (MEK)	NS - FP	NTF	NTF	NTF	460 ug/l	90 ug/l
Carbon Tetrachloride	NS - FP	<5.0	<25.0	<2.4	5 ug/l	0.5 ug/l
Chlorobenzene	NS - FP	<5.0	<25.0	<2.0	NS	NS
Chloroethane	NS - FP	<3.7	<18.7	<4.8	400 ug/l	80 ug/l
2-Chloroethyl Vinyl Ether	NS - FP	NTF	NTF	NTF	NS	NS
Chloroform	NS - FP	<25.0	<125	<6.9	6 ug/l	0.6 ug/l
Chloromethane	NS - FP	<5.0	<25.0	<3.9	3 ug/l	0.3 ug/l
Dibromochloromethane	NS - FP	<5.0	<16.0	<19.0	60 ug/l	6 ug/l
1,2-Dibromo-3-chloropropane	NS - FP	<21.6	<108	<15.0	0.2 ug/l	0.02 ug/l
1,2-Dibromomethane	NS - FP	<1.8	<8.2	<3.8	NS	NS
1,1-Dichloroethane	NS - FP	<2.4	110	<2.8	850 ug/l	85 ug/l
1,2-Dichloroethane	NS - FP	<1.7	<8.4	<4.8	5 ug/l	0.5 ug/l
1,1-Dichloroethene	NS - FP	<4.1	<20.5	<4.3	7 ug/l	0.7 ug/l
cis-1,2-Dichloroethene	NS - FP	<2.6	<12.8	<4.2	70 ug/l	7 ug/l
trans-1,2-Dichloroethene	NS - FP	<2.6	<11.9	<3.7	100 ug/l	20 ug/l
1,2-Dichloropropane	NS - FP	<2.3	<11.7	<5.0	5 ug/l	0.5 ug/l
Ethyl Benzene	NS - FP	<5.0	<25.0	<5.0	700 ug/l	140 ug/l
Methylene Chloride	NS - FP	<2.3	<11.6	<3.6	5 ug/l	0.5 ug/l
4-Methyl-2-Pentanone	NS - FP	NTF	NTF	NTF	NS	NS
Methyl-tert-Butyl-Ether	NS - FP	<1.7	<8.7	<4.9	60 ug/l	6 ug/l
Styrene	NS - FP	<5.0	<25.0	<3.5	100 ug/l	10 ug/l
1,1,2,2-Tetrachloroethane	NS - FP	<2.5	<12.5	<3.8	0.2 ug/l	0.02 ug/l
Tetrachlorethane	NS - FP	<5.0	<25.0	<4.7	5 ug/l	0.5 ug/l
Toluene	NS - FP	<5.0	<25.0	<4.4	1 mg/l	0.2 mg/l
1,1,1-Trichloroethane	NS - FP	<5.0	45.6 J	<4.4	200 ug/l	40 ug/l
1,1,2-Trichloroethane	NS - FP	<2.0	<7.8	<3.9	5 ug/l	0.5 ug/l
Trichloroethene	NS - FP	<3.3	<16.5	<4.3	5 ug/l	0.5 ug/l
Vinyl Chloride	NS - FP	<1.8	<8.8	<1.8	0.2 ug/l	0.02 ug/l

Total Xylenes NS - FP <15.0 <75.0 <13.2 10 mg/l 1 mg/l

VOCs reported in units of ug/l

B: Analyte detected in the associated Method Blank

J: Analyte detected below quantitation limits

NS - FP No Sample Free Product

Groundwater Well MW-21

Test Description					NR 140	NR 140
Method 8260	Jun-17	May-16	Apr-15	Jun-14	ES	PAL
Acetone	NS - FP	NTF	NTF	NTF	1000 ug/l	200 ug/l
Benzene	NS - FP	<2.5	<1.0	<1.0	5 ug/l	0.5 ug/l
Bromodichloromethane	NS - FP	<2.5	<1.0	<1.0	0.6 ug/l	0.06 ug/l
Bromoform	NS - FP	<2.5	<1.0	<1.0	4.4 ug/l	0.44 ug/l
Bromomethane	NS - FP	<12.2	<4.9	<4.9	10 ug/l	1 ug/l
2-Butanone (MEK)	NS - FP	NTF	NTF	NTF	460 ug/l	90 ug/l
Carbon Tetrachloride	NS - FP	<2.5	<1.0	<1.0	5 ug/l	0.5 ug/l
Chlorobenzene	NS - FP	<2.5	<1.0	<1.0	NS	NS
Chloroethane	NS - FP	<1.9	<0.75	7.4	400 ug/l	80 ug/l
2-Chloroethyl Vinyl Ether	NS - FP	NTF	NTF	NTF	NS	NS
Chloroform	NS - FP	<12.5	<5.0	<5.0	6 ug/l	0.6 ug/l
Chloromethane	NS - FP	<2.5	<1.0	<1.0	3 ug/l	0.3 ug/l
Dibromochloromethane	NS - FP	<2.5	<0.64	<0.64	60 ug/l	6 ug/l
1,2-Dibromo-3-chloropropane	NS - FP	<10.8	<4.3	<4.3	0.2 ug/l	0.02 ug/l
1,2-Dibromomethane	NS - FP	<0.89	<0.33	<0.33	NS	NS
1,1-Dichloroethane	NS - FP	<1.2	2.0	115	850 ug/l	85 ug/l
1,2-Dichloroethane	NS - FP	<0.84	<0.34	<0.34	5 ug/l	0.5 ug/l
1,1-Dichloroethene	NS - FP	<2.1	<0.82	6.1	7 ug/l	0.7 ug/l
cis-1,2-Dichloroethene	NS - FP	<1.3	<0.51	<0.51	70 ug/l	7 ug/l
trans-1,2-Dichloroethene	NS - FP	<1.2	<0.48	<0.48	100 ug/l	20 ug/l
1,2-Dichloropropane	NS - FP	<1.2	<0.47	<0.47	5 ug/l	0.5 ug/l
Ethyl Benzene	NS - FP	<2.5	<1.0	<1.0	700 ug/l	140 ug/l
Methylene Chloride	NS - FP	<1.2	<0.47	<0.47	5 ug/l	0.5 ug/l
4-Methyl-2-Pentanone	NS - FP	NTF	NTF	NTF	NS	NS
Methyl-tert-Butyl-Ether	NS - FP	<0.87	<0.35	<0.35	60 ug/l	6 ug/l
Styrene	NS - FP	<2.5	<1.0	<1.0	100 ug/l	10 ug/l
1,1,2,2-Tetrachloroethane	NS - FP	<1.2	<0.60	<0.60	0.2 ug/l	0.02 ug/l
Tetrachlorethane	NS - FP	<2.5	<1.0	<1.0	5 ug/l	0.5 ug/l
Toluene	NS - FP	<2.5	<1.0	<1.0	1 mg/l	0.2 mg/l
1,1,1-Trichloroethane	NS - FP	<2.5	<1.0	47	200 ug/l	40 ug/l
1,1,2-Trichloroethane	NS - FP	<0.99	<0.31	<0.31	5 ug/l	0.5 ug/l

Trichloroethene	NS - FP	<1.7	<0.66	<0.66	5 ug/l	0.5 ug/l
Vinyl Chloride	NS - FP	<0.88	<0.35	<0.35	0.2 ug/l	0.02 ug/l
Total Xylenes	NS - FP	<7.5	<3.0	<3.0	10 mg/l	1 mg/l

VOCs reported in units of ug/l

B: Analyte detected in the associated Method Blank
 J: Analyte detected below quantitation limits
 NS - FP No Sample Free Product

Groundwater Well MW-22

Test Description					NR 140	NR 140
Method 8260B	Jun-17	Nov-16	Jun-16	Nov-15	ES	PAL
Acetone	NTF	NTF	NTF	NTF	1000 ug/l	200 ug/l
Benzene	<5.0	<0.50	<0.50	<0.50	5 ug/l	0.5 ug/l
Bromodichloromethane	<5.0	<0.50	<0.50	<0.50	0.6 ug/l	0.06 ug/l
Bromoform	<5.0	<0.50	<0.50	<0.50	4.4 ug/l	0.44 ug/l
Bromomethane	<24.3	<2.4	<2.4	<2.4	10 ug/l	1 ug/l
Carbon Disulfide	NTF	NTF	NTF	NTF	1000 ug/l	200 ug/l
Carbon Tetrachloride	<5.0	<0.50	<0.50	<0.50	5 ug/l	0.5 ug/l
Chlorobenzene	<5.0	<0.50	<0.50	<0.50	NS	NS
Chloroethane	<5.0	<0.37	<0.37	<0.37	400 ug/l	80 ug/l
Chloroform	<25.0	2.3	<2.5	<2.5	6 ug/l	0.6 ug/l
Chloromethane	<5.0	<0.50	<0.50	<0.50	3 ug/l	0.3 ug/l
Dibromochloromethane	<5.0	<0.50	<0.50	<0.32	60 ug/l	6 ug/l
1,2-Dibromo-3-chloropropane	<21.6	<2.2	<2.2	<2.2	0.2 ug/l	0.02 ug/l
1,2-Dibromomethane	<1.8	<0.16	<0.16	<0.18	NS	NS
1,1-Dichloroethane	<2.4	12.8	0.95 J	<0.59 J	850 ug/l	85 ug/l
1,2-Dichloroethane	<1.7	<0.17	<0.17	<0.17	5 ug/l	0.5 ug/l
1,1-Dichloroethene	<4.1	1.1	<0.41	<0.41	7 ug/l	0.7 ug/l
cis-1,2-Dichloroethene	<2.6	<0.26	<0.26	<0.26	70 ug/l	7 ug/l
trans-1,2-Dichloroethene	<2.6	<0.26	<0.26	<0.26	100 ug/l	20 ug/l
1,2-Dichloropropane	<2.3	<0.23	<0.23	<0.44	5 ug/l	0.5 ug/l
Ethyl Benzene	<5.0	<0.50	<0.50	<0.50	700 ug/l	140 ug/l
2-Hexanone	NTF	NTF	NTF	NTF	NS	NS
Methylene Chloride	<2.3	<0.23	<0.23	<0.23	5 ug/l	0.5 ug/l
Methyl-tert-Butylether	<1.7	<0.17	<0.17	<0.17	60 ug/l	6 ug/l
Styrene	<5.0	<0.50	<0.50	<0.50	100 ug/l	10 ug/l
1,1,2,2-Tetrachloroethane	<2.5	<0.25	<0.25	<0.25	0.2 ug/l	0.02 ug/l
Tetrachloroethene	<5.0	<0.50	<0.50	<1.0	5 ug/l	0.5 ug/l
Toluene	<5.0	<0.50	<0.50	<0.50	1 mg/l	0.2 mg/l
1,1,1-Trichloroethane	<5.0	18.6	<0.50	0.78 J	200 ug/l	40 ug/l
1,1,2-Trichloroethane	<1.6	<0.16	<0.16	<0.20	5 ug/l	0.5 ug/l

Trichloroethene	<3.3	<0.33	<0.33	<0.33	5 ug/l	0.5 ug/l
Vinyl Chloride	<1.8	0.22 J	<0.18	1.6	0.2 ug/l	0.02 ug/l
Total Xylenes	<15.0	<1.50	<1.50	<1.50	10 mg/l	1 mg/l

VOCs reported in units of ug/l

B: Analyte detected in the associated Method Blank
 J: Analyte detected below quantitation limits

Groundwater Well MW-23

Test Description					NR 140	NR 140
Method 8260B	Jun-17	Nov-16	Jun-16	Oct-15	ES	PAL
Acetone	NTF	NTF	NTF	NTF	1000 ug/l	200 ug/l
Benzene	<0.50	<0.50	<0.50	<0.50	5 ug/l	0.5 ug/l
Bromodichloromethane	<0.50	<0.50	<0.50	<0.50	0.6 ug/l	0.06 ug/l
Bromoform	<0.50	<0.50	<0.50	<0.50	4.4 ug/l	0.44 ug/l
Bromomethane	<2.4	<2.4	<2.4	<2.4	10 ug/l	1 ug/l
Carbon Disulfide	NTF	NTF	NTF	NTF	1000 ug/l	200 ug/l
Carbon Tetrachloride	<0.50	<0.50	<0.50	<0.50	5 ug/l	0.5 ug/l
Chlorobenzene	<0.50	<0.50	<0.50	<0.50	NS	NS
Chloroethane	<0.37	<0.37	<0.37	0.78 J	400 ug/l	80 ug/l
Chloroform	<2.5	2.3	<2.5	<2.5	6 ug/l	0.6 ug/l
Chloromethane	<0.50	<0.50	<0.50	<0.50	3 ug/l	0.3 ug/l
Dibromochloromethane	<0.50	<0.50	<0.50	<0.50	60 ug/l	6 ug/l
1,2-Dibromo-3-chloropropane	<2.2	<2.2	<2.2	<2.2	0.2 ug/l	0.02 ug/l
1,2-Dibromomethane	<0.16	<0.16	<0.16	<0.16	NS	NS
1,1-Dichloroethane	<0.24	17.1	0.50 J	8.9	850 ug/l	85 ug/l
1,2-Dichloroethane	<0.17	<0.17	<0.17	<0.17	5 ug/l	0.5 ug/l
1,1-Dichloroethene	<0.41	1.4	<0.41	0.66 J	7 ug/l	0.7 ug/l
cis-1,2-Dichloroethene	<0.26	<0.26	<0.26	<0.26	70 ug/l	7 ug/l
trans-1,2-Dichloroethene	<0.26	<0.26	<0.26	<0.26	100 ug/l	20 ug/l
1,2-Dichloropropane	<0.23	<0.23	<0.23	<0.23	5 ug/l	0.5 ug/l
Ethyl Benzene	<0.50	<0.50	<0.50	<0.50	700 ug/l	140 ug/l
2-Hexanone	NTF	NTF	NTF	NTF	NS	NS
Methylene Chloride	<0.23	<0.23	<0.23	<0.23	5 ug/l	0.5 ug/l
Methyl-tert-Butylether	<0.17	<0.17	<0.17	<0.17	60 ug/l	6 ug/l
Styrene	<0.50	<0.50	<0.50	<0.50	100 ug/l	10 ug/l
1,1,2,2-Tetrachloroethane	<0.25	<0.25	<0.25	<0.25	0.2 ug/l	0.02 ug/l
Tetrachloroethene	<0.50	<0.50	<0.50	<0.50	5 ug/l	0.5 ug/l
Toluene	<0.50	<0.50	<0.50	<0.50	1 mg/l	0.2 mg/l
1,1,1-Trichloroethane	<0.50	25.6	<0.50	7.2	200 ug/l	40 ug/l
1,1,2-Trichloroethane	<0.16	<0.16	<0.16	<0.16	5 ug/l	0.5 ug/l
Trichloroethene	<0.33	<0.33	<0.33	<0.33	5 ug/l	0.5 ug/l

Vinyl Chloride	<0.18	0.27 J	<0.18	<0.18	0.2 ug/l	0.02 ug/l
Total Xylenes	<1.50	<1.50	<1.50	<1.50	10 mg/l	1 mg/l

VOCs reported in units of ug/l

B: Analyte detected in the associated Method Blank
 J: Analyte detected below quantitation limits

Groundwater Well MW-24

Test Description					NR 140	NR 140
Method 8260B	Jun-17	Nov-16	Jun-16	Oct-15	ES	PAL
Acetone	NTF	NTF	NTF	NTF	1000 ug/l	200 ug/l
Benzene	<1.2	<2.0	<0.50	<2.0	5 ug/l	0.5 ug/l
Bromodichloromethane	<1.2	<2.0	<0.50	<2.0	0.6 ug/l	0.06 ug/l
Bromoform	<1.2	<2.0	<0.50	<2.0	4.4 ug/l	0.44 ug/l
Bromomethane	<6.1	<9.7	<2.4	<9.7	10 ug/l	1 ug/l
Carbon Disulfide	NTF	NTF	NTF	NTF	1000 ug/l	200 ug/l
Carbon Tetrachloride	<1.2	<2.0	<0.50	<2.0	5 ug/l	0.5 ug/l
Chlorobenzene	<1.2	<2.0	<0.50	<2.0	NS	NS
Chloroethane	38.4	32.2	47.6	53.6	400 ug/l	80 ug/l
Chloroform	<6.2	<10.0	<2.5	<10.0	6 ug/l	0.6 ug/l
Chloromethane	<1.2	<2.0	<0.50	<2.0	3 ug/l	0.3 ug/l
Dibromochloromethane	<1.2	<2.0	<0.50	<2.0	60 ug/l	6 ug/l
1,2-Dibromo-3-chloropropane	<5.4	<8.7	<2.2	<8.7	0.2 ug/l	0.02 ug/l
1,2-Dibromomethane	<0.41	<0.71	<0.16	<0.71	NS	NS
1,1-Dichloroethane	292	363	290	353	850 ug/l	85 ug/l
1,2-Dichloroethane	1.8 J	1.7 J	1.8	2.2 J	5 ug/l	0.5 ug/l
1,1-Dichloroethene	2.2 J	2.3 J	2.1	2.3 J	7 ug/l	0.7 ug/l
cis-1,2-Dichloroethene		<1.0	<0.26	<1.0	70 ug/l	7 ug/l
trans-1,2-Dichloroethene	<0.64	<1.0	<0.26	<1.0	100 ug/l	20 ug/l
1,2-Dichloropropane	<0.58	<0.93	<0.23	<0.93	5 ug/l	0.5 ug/l
Ethyl Benzene	<1.2	<2.0	<0.50	<2.0	700 ug/l	140 ug/l
2-Hexanone	NTF	NTF	NTF	NTF	NS	NS
Methylene Chloride	1.6 J	2.2 J	2.0	2.5 J	5 ug/l	0.5 ug/l
Methyl-tert-Butylether	<0.44	<0.70	<0.17	<0.70	60 ug/l	6 ug/l
Styrene	<1.2	<2.0	<0.50	<2.0	100 ug/l	10 ug/l
1,1,2,2-Tetrachloroethane	<0.62	<1.0	<0.25	<1.0	0.2 ug/l	0.02 ug/l
Tetrachloroethene	<1.2	<2.0	<0.50	<2.0	5 ug/l	0.5 ug/l
Toluene	<1.2	<2.0	<0.50	<2.0	1 mg/l	0.2 mg/l
1,1,1-Trichloroethane	41.3	55.4	36.8	53.5	200 ug/l	40 ug/l
1,1,2-Trichloroethane	<0.39	<0.79	<0.16	<0.79	5 ug/l	0.5 ug/l
Trichloroethene	<0.83	<1.3	<0.33	<1.3	5 ug/l	0.5 ug/l

Vinyl Chloride	7.7	3.7 J	7.6	10.5	0.2 ug/l	0.02 ug/l
Total Xylenes	<3.7	<6.0	<1.50	<6.0	10 mg/l	1 mg/l

VOCs reported in units of ug/l

B: Analyte detected in the associated Method Blank
 J: Analyte detected below quantitation limits

Groundwater Well MW-25

Test Description					NR 140	NR 140
Method 8260	Jun-17	Nov-16	Jun-16	Oct-15	ES	PAL
Acetone	NTF	NTF	NTF	NTF	1000 ug/l	200 ug/l
Benzene	<0.50	<1.2	<0.50	<1.2	5 ug/l	0.5 ug/l
Bromodichloromethane	<0.50	<1.2	<0.50	<1.2	0.6 ug/l	0.06 ug/l
Bromoform	<0.50	<1.2	<0.50	<1.2	4.4 ug/l	0.44 ug/l
Bromomethane	<2.4	<6.1	<2.4	<6.1	10 ug/l	1 ug/l
Carbon Disulfide	NTF	NTF	NTF	NTF	1000 ug/l	200 ug/l
Carbon Tetrachloride	<0.50	<1.2	<0.50	<1.2	5 ug/l	0.5 ug/l
Chlorobenzene	<0.50	<1.2	<0.50	<1.2	NS	NS
Chloroethane	<0.37	4.5	<0.37	<0.94	400 ug/l	80 ug/l
Chloroform	<2.5	<6.2	<2.5	<6.2	6 ug/l	0.6 ug/l
Chloromethane	<0.50	<1.2	<0.50	<1.2	3 ug/l	0.3 ug/l
Dibromochloromethane	<0.50	<1.2	<0.50	<1.2	60 ug/l	6 ug/l
1,2-Dibromo-3-chloropropane	<2.2	<5.4	<2.2	<5.4	0.2 ug/l	0.02 ug/l
1,2-Dibromomethane	<0.16	<0.44	<0.16	<0.44	NS	NS
1,1-Dichloroethane	122	129	122	111	850 ug/l	85 ug/l
1,2-Dichloroethane	0.69 J	3.5	0.64 J	0.58 J	5 ug/l	0.5 ug/l
1,1-Dichloroethene	<0.41	<1.0	<0.41	<1.0	7 ug/l	0.7 ug/l
cis-1,2-Dichloroethene	4.8	4.1	5.9	6.7	70 ug/l	7 ug/l
trans-1,2-Dichloroethene	0.63 J	0.79 J	0.75 J	0.82 J	100 ug/l	20 ug/l
1,2-Dichloropropane	<0.23	<0.58	<0.23	<0.58	5 ug/l	0.5 ug/l
Ethyl Benzene	<0.50	<1.2	<0.50	<1.2	700 ug/l	140 ug/l
2-Hexanone	NTF	NTF	NTF	NTF	NS	NS
Methylene Chloride	<0.23	<0.58	<0.23	<0.58	5 ug/l	0.5 ug/l
Methyl-tert-Butylether	<0.17	<0.44	<0.17	<0.44	60 ug/l	6 ug/l
Styrene	<0.50	<1.2	<0.50	<1.2	100 ug/l	10 ug/l
1,1,2,2-Tetrachloroethane	<0.25	<0.62	<0.25	<0.62	0.2 ug/l	0.02 ug/l
Tetrachloroethene	<0.50	<1.2	<0.50	<1.2	5 ug/l	0.5 ug/l

Toluene	<0.50	<1.2	<0.50	<1.2	1 mg/l	0.2 mg/l
1,1,1-Trichloroethane	6.3	60.8	7.0	6.1	200 ug/l	40 ug/l
1,1,2-Trichloroethane	<0.49	<0.49	0.32 J	<0.49	5 ug/l	0.5 ug/l
Trichloroethene	<0.33	<0.83	<0.33	<0.83	5 ug/l	0.5 ug/l
Vinyl Chloride	2.2	2.4 J	2.7	2.1 J	0.2 ug/l	0.02 ug/l
Total Xylenes	<1.50	<3.7	<1.50	<3.7	10 mg/l	1 mg/l

VOCs reported in units of ug/l

B: Analyte detected in the associated Method Blank
 J: Analyte detected below quantitation limits

Groundwater Well MW-402N

Test Description					NR 140	NR 140
Method 8260	Mar-17	Nov-16	Sep-16	Jan-16	ES	PAL
Benzene	<0.50	<0.50	<0.50	<0.50	5 ug/l	0.5 ug/l
Bromodichloromethane	<0.50	<0.50	<0.50	<0.50	0.6 ug/l	0.06 ug/l
Carbon Tetrachloride	<0.50	<0.50	<0.50	<0.50	5 ug/l	0.5 ug/l
Chlorobenzene	<0.50	<0.50	<0.50	<0.50	NS	NS
Chloroform	<2.5	<2.5	<2.5	<2.5	6 ug/l	0.6 ug/l
Chloromethane	<0.50	<0.50	<0.50	<0.50	3 ug/l	0.3 ug/l
Dibromochloromethane	<0.50	<0.50	<0.50	<0.50	60 ug/l	6 ug/l
1,2-Dibromo-3-chloropropane	<2.2	<2.2	<2.2	<2.2	0.2 ug/l	0.02 ug/l
1,2-Dibromomethane	<0.16	<0.16	<0.16	<0.16	NS	NS
1,1-Dichloroethane	<0.24	<0.24	<0.24	<0.24	850 ug/l	85 ug/l
1,2-Dichloroethane	<0.17	<0.17	<0.17	<0.17	5 ug/l	0.5 ug/l
1,1-Dichloroethene	<0.41	<0.41	<0.41	<0.41	7 ug/l	0.7 ug/l
cis-1,2-Dichloroethene	<0.26	<0.26	<0.26	<0.26	70 ug/l	7 ug/l
trans-1,2-Dichloroethene	<0.26	<0.26	<0.26	<0.26	100 ug/l	20 ug/l
1,2-Dichloropropane	<0.23	<0.23	<0.23	<0.23	5 ug/l	0.5 ug/l
Ethyl Benzene	<0.50	<0.50	<0.50	<0.50	700 ug/l	140 ug/l
Methylene Chloride	<0.23	<0.23	<0.23	<0.23	5 ug/l	0.5 ug/l
Methyl-tert-Butyl-Ether	<0.17	<0.17	<0.17	<0.17	60 ug/l	6 ug/l
Styrene	<0.50	<0.50	<0.50	<0.50	100 ug/l	10 ug/l
1,1,2,2-Tetrachloroethane	<0.25	<0.25	<0.25	<0.25	0.2 ug/l	0.02 ug/l
Tetrachlorethane	<0.50	<0.50	<0.50	<0.50	5 ug/l	0.5 ug/l
Toluene	<0.50	<0.50	<0.50	<0.50	1 mg/l	0.2 mg/l
1,1,1-Trichloroethane	<0.50	<0.50	<0.50	<0.50	200 ug/l	40 ug/l
1,1,2-Trichloroethane	<0.16	<0.16	<0.16	<0.16	5 ug/l	0.5 ug/l

Trichloroethene	<0.33	<0.33	<0.33	<0.33	5 ug/l	0.5 ug/l
Vinyl Chloride	<0.18	<0.18	<0.18	<0.18	0.2 ug/l	0.02 ug/l
Total Xylenes	<1.50	<1.50	<1.50	<1.50	10 mg/l	1 mg/l

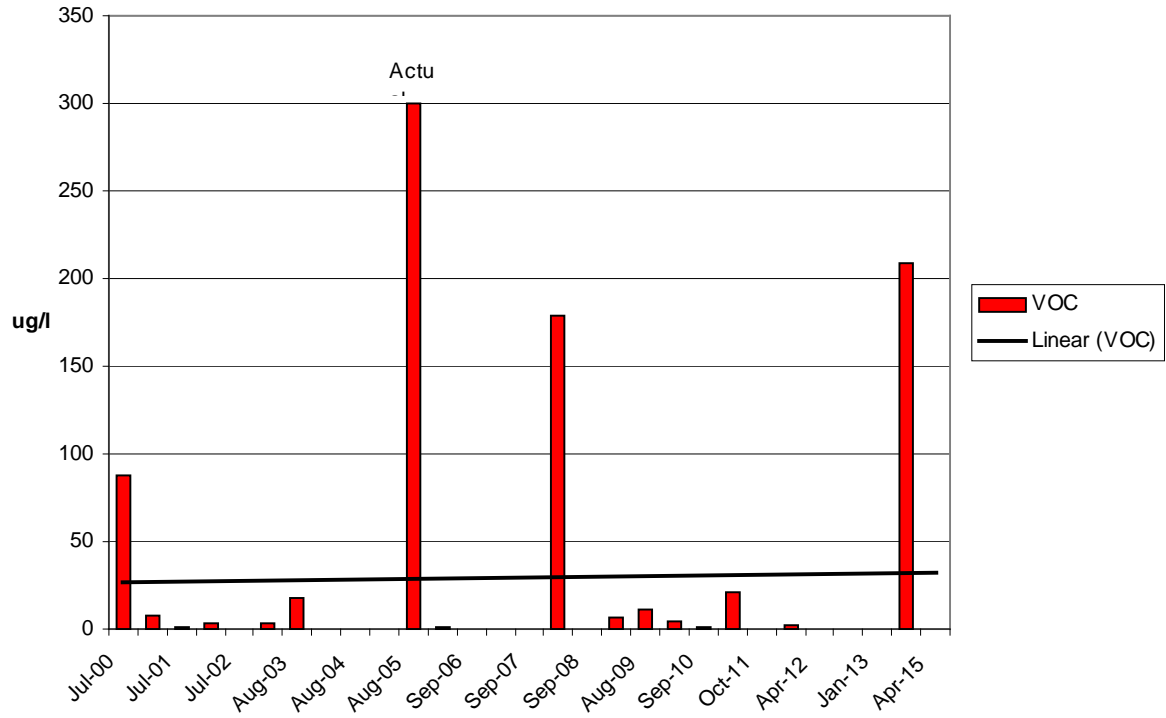
VOCs reported in units of ug/l
 Analyte detected in the associated Method Blank
 Analyte detected below quantitation limits

DISCUSSION

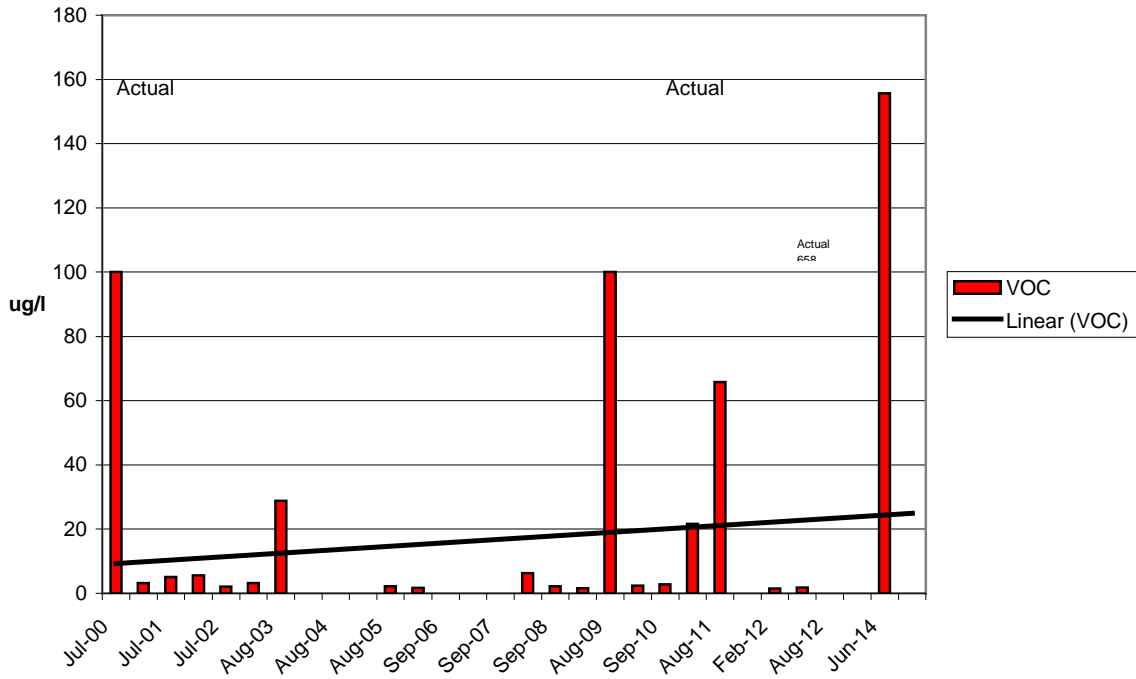
The groundwater results obtained from the groundwater samplings performed by Environmental Audits, Inc. at the Twin Disc, Inc. Plant 3 Machine #2525 Broach monitoring wells variously exceeded the s. NR 140.10 Public Health related groundwater standards for Benzene, Chloroethane, Chloroform, Chloromethane, 1,1-Dichloroethane, 1,2-Dichloroethane, 1,1-Dichloroethene, cis- 1,1-Dichloroethane, Methylene Chloride, Tetrachloroethene, 1,1,2,2-Tetrachloroethene, trans-1,2-Dichloroethene, 1,1,1-Trichloroethane, 1,1,2-Trichloroethane, Trichloroethene, and Vinyl Chloride.

The following three (3) graphs plot the Total VOC concentration over time for the Recovery Pump Wells MW-18, MW-20, and MW-21:

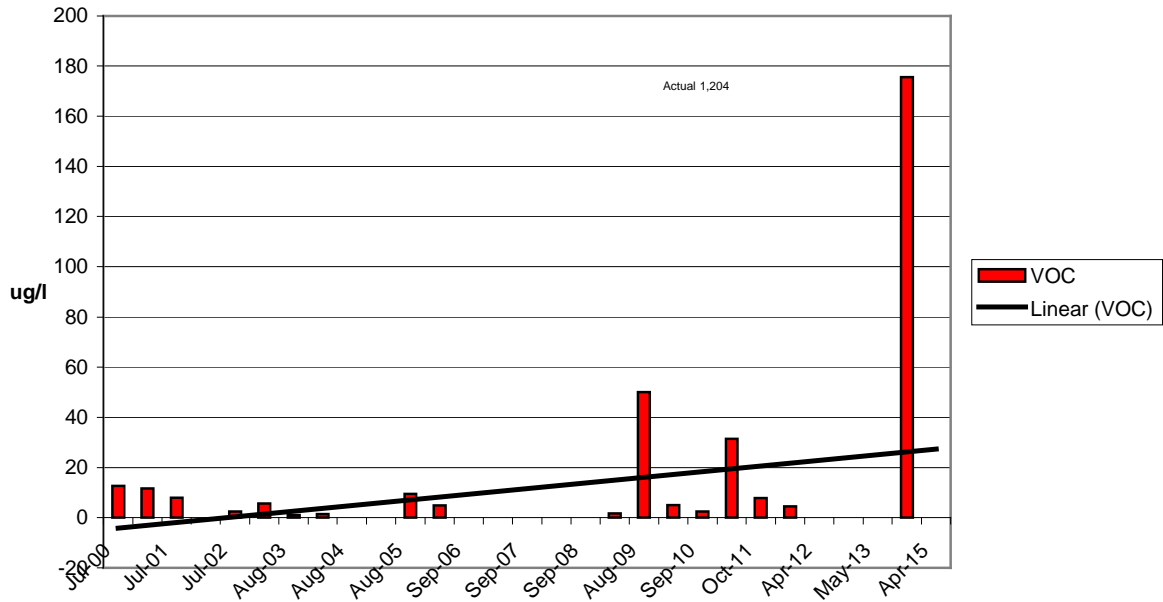
MW-18 VOC Concentration



MW-20 VOC Concentration



MW-21 VOC Concentration



The 2nd Quarter 2017 sampling round shows that 1,1,1-Trichloroethane was detected at MW-1 (7.1 J ug/l), MW-2 (5.3 J ug/l), MW-24 (41.3 ug/l), and MW-25 (6.3 ug/l). The 1st Quarter 2016 sampling round shows that 1,1,1-Trichloroethane was detected at MW-12 (27.4 ug/l) and MW-14 (83.9 ug/l). The 4th Quarter 2016 sampling round shows that 1,1,1-Trichloroethane was detected at MW-1 (33.1 ug/l), MW-2 (12.8 ug/l), MW-6 (16.6 J ug/l), MW-7 (34.0 ug/l), MW-9 (18.0 ug/l), MW-10 (59.0 ug/l), MW-17 (14.0 ug/l), MW-22 (18.6 ug/l), MW-23 (25.6 ug/l), MW-24 (55.4 ug/l), and MW-25 (60.8 ug/l). The 3rd Quarter 2016 sampling round shows that 1,1,1-Trichloroethane was detected at MW-14 (45.7 ug/l). The s. NR 140 Preventative Action Limit (PAL) is 40 ug/l for 1,1,1-Trichloroethane and the Enforcement Standard (ES) is 200 ug/l. The PAL was exceeded at MW-1, MW-10, MW-24, and MW-25 during the 4th Quarter 2016 sampling event. The PAL was exceeded at MW-14 during the July 2015, 1st Quarter 2016, September 2016, and 1st Quarter 2017 sampling events. The PAL was exceeded at MW-24 during the 2nd Quarter 2017 sampling event.

1,1,2-Trichloroethane was not detected at any monitoring well, in quantities above the method detection limit, during the 2nd Quarter 2017, 1st Quarter 2017, 3rd Quarter 2016, and 4th Quarter 2016 sampling event. The s. NR 140 Preventative Action Limit (PAL) is 0.5 ug/l for 1,1,2-Trichloroethane and the Enforcement Standard (ES) is 5 ug/l. The PAL was exceeded at MW-25 during the November 2009 and April 30, 2011 sampling event.

The 2nd Quarter 2017 sampling round shows that 1,1-Dichloroethane was detected at MW-1 (70.2 ug/l), MW-2 (19.4 ug/l), MW-6 (125 ug/l), MW-7 (5.6 J ug/l), MW-9 (1.9 ug/l), MW-17 (0.39 J ug/l), MW-24 (292 ug/l), and MW-25 (122 ug/l). The 1st Quarter 2017 sampling round shows that 1,1-Dichloroethane was detected at MW-11 (1.0 J ug/l), MW-12 (61.2 ug/l), MW-13 (1.2 ug/l), MW-14 (43.5 ug/l), MW-16 (0.39 J ug/l), and MW-19 (1.1 ug/l). The 4th Quarter 2016 sampling round shows that 1,1-Dichloroethane was detected at MW-1 (88.7 ug/l), MW-2 (29.9 ug/l), MW-6 (174 ug/l), MW-7 (38.7 ug/l), MW-9 (15.3 ug/l), MW-10 (40.0 ug/l), MW-17 (9.7 ug/l), MW-22 (12.8 ug/l), MW-23 (17.1 ug/l), MW-24 (363 ug/l), and MW-25 (129 ug/l). The 3rd Quarter 2016 sampling round shows that 1,1-Dichloroethane was detected at MW-14 (46.3 ug/l). The PAL is 85 ug/l and the ES is 850 ug/l for 1,1-Dichloroethane. The PAL was exceeded at MW-1 during the 4th Quarter 2016 sampling event. The PAL was exceeded at MW-6 during the 4th Quarter 2016 and 2nd Quarter 2017 sampling event. The PAL was exceeded at MW-24 during the 4th Quarter 2016 and 2nd Quarter 2017 sampling event.. The PAL was exceeded at MW-25 during the 4th Quarter 2016 and 2nd Quarter 2017 sampling event.

The 2nd Quarter 2017 sampling round shows that 1,2-Dichloroethane was detected at MW-24 (1.8 ug/l J) and MW-25 (0.69 ug/l J). The 4th Quarter 2016 sampling round shows that 1,2-Dichloroethane was detected at MW-24 (1.7 ug/l J). The PAL is 0.5 ug/l and the ES is 5 ug/l for 1,2-Dichloroethane. The PAL was exceeded at MW-24 during the 2nd Quarter 2017 and the 2016 4th Quarter 2016 sampling event.. The PAL was exceeded at MW-25 during the 2nd Quarter 2017 sampling event.

The 2nd Quarter 2017 sampling round shows that 1,1-Dichloroethene was detected at MW-24 (2.2 J ug/l). The 1st Quarter 2017 sampling round shows that 1,1-Dichloroethene was detected at MW-14 (6.3 ug/l). The 4th Quarter 2016 sampling round shows that 1,1-Dichloroethene was detected at MW-7 (2.1 ug/l), MW-9 (1.1 ug/l), MW-10 (1.2 J ug/l), MW-17 (0.80J ug/l), MW-22 (1.1 ug/l), MW-23 (1.4 ug/l), MW-24 (2.3 ug/l), and MW-25 (3.5 ug/l). The 3rd Quarter 2016

sampling round shows that 1,1-Dichloroethene was detected at MW-14 (3.6 ug/l). The PAL is 0.5 ug/l and the ES is 5 ug/l for 1,1-Dichloroethene. The PAL was exceeded at MW-7, MW-9, MW-10, MW-17, MW-22, MW-24, and MW-25 during the 4th Quarter 2016 sampling event. The PAL was exceeded at MW-23 during the 4th Quarter 2014 and 4th Quarter 2015 sampling event. The PAL was exceeded at MW-14 during the 3rd Quarter 2016 and the 1st Quarter 2017 sampling event. The PAL was exceeded at MW-24 during the 2nd Quarter 2017 sampling event. The ES was exceeded at MW-14 during the July 2015 and 1st Quarter 2016 sampling event. The PAL was exceeded at MW-1 and MW-24 during the 2nd Quarter 2016 sampling event.

The 2nd Quarter 2017 sampling round shows that cis-1,2-Dichloroethene was detected at MW-9 (1.0 ug/l) and MW-25 (4.8 ug/l). The 1st Quarter 2017 sampling round shows that cis-1,2-Dichloroethene was detected at MW-11 (216 ug/l) and MW-14 (6.1 ug/l). The 4th Quarter 2016 sampling round shows that cis-1,2-Dichloroethene was detected at MW-9 (1.3 ug/l), MW-10 (1.3 J ug/l), and MW-25 (4.1 ug/l). The 3rd Quarter 2016 sampling round shows that cis-1,2-Dichloroethene was detected at MW-11 (193 ug/l) and MW-14 (3.9 ug/l). The PAL is 7 ug/l and the ES is 70 ug/l for cis-1,2-Dichloroethene. The ES was exceeded at MW-11 during the 1st Quarter 2016, September 21, 2016, and 1st Quarter 2017 sampling event.

The 2nd Quarter 2016 sampling round showed that trans-1,2-Dichloroethene was detected at MW-25 (0.63 J ug/l). The 1st Quarter 2017 sampling round showed that trans-1,2-Dichloroethene was detected at MW-11 (14.9 ug/l). The 4th Quarter 2015 sampling round showed that trans-1,2-Dichloroethene was detected at MW-10 (5.7 ug/l), and MW-25 (0.79 J ug/l). The 3rd Quarter 2016 sampling round showed that trans-1,2-Dichloroethene was detected at MW-11 (15.4 ug/l). The PAL is 20 ug/l and the ES is 100 ug/l for trans-1,2-Dichloroethene.

The 2nd Quarter 2016 sampling round shows that 1,2-Dichlorobenzene was detected at MW-10 (2.2 ug/l). The PAL is 60 ug/l and the ES is 600 ug/l for 1,2-Dichlorobenzene.

The 2nd Quarter 2016 sampling round shows that 1,4-Dichlorobenzene was detected at MW-7 (1.5 J ug/l) and MW-10 (1.0 J ug/l). The PAL is 15 ug/l and the ES is 75 ug/l for 1,4-Dichlorobenzene.

The 1st Quarter 2017 sampling round shows that Trichloroethene was detected at MW-11 (7.5 ug/l) and MW-14 (5.6 ug/l). The 3rd Quarter 2016 sampling round shows that Trichloroethene was detected at MW-11 (8.5 ug/l) and MW-14 (3.3 ug/l). Trichloroethene was not detected at any monitoring well, above the limits of detection, during the 2nd Quarter 2017 and 4th Quarter 2016 sampling event. The PAL is 0.5 ug/l and the ES is 5 ug/l for Trichloroethene. The PAL was exceeded at MW-14 during the 3rd Quarter 2015, 1st Quarter 2016, September 21, 2016, and 1st Quarter 2017 sampling event. The ES was exceeded at MW-11 during the 3rd Quarter 2015, 1st Quarter 2016, September 21, 2016, and 1st Quarter 2017 sampling event.

Chloroethane was detected at MW-1 (34.9 ug/l), MW-2 (13.5 ug/l), and MW-24 (38.4 ug/l) during the 2nd Quarter 2017 sampling event. Chloroethane was detected at MW-1 (18.2 ug/l), MW-2 (10.9 ug/l), MW-6 (16.8 J ug/l), MW-7 (4.9 ug/l), MW-9 (1.8 ug/l), MW-10 (1.9 J ug/l), MW-17 (1.0 ug/l), MW-22 (2.3 ug/l), MW-23 (2.3 ug/l), MW-24 (32.2 ug/l), and MW-25 (4.5 ug/l), during

the 4th Quarter 2016 sampling event. Chloroethane was not detected at any monitoring well, above the limits of detection, during the January 2013, March 2014, 3rd Quarter 2015, 1st Quarter 2016, and September 21, 2016 sampling event. The PAL is 80 ug/l and the ES is 400 ug/l for Chloroethane.

Chloroform was not detected at any monitoring well, in quantities above the method detection limit, during the 1st Quarter 2016, 2nd Quarter 2016, September 21, 2016, and 4th Quarter 2016 sampling event. The PAL is 0.6 ug/l and the Enforcement Standard (ES) is 6 ug/l for Chloroform.

Chloromethane was not detected at any monitoring well, in quantities above the method detection limit, during the 2nd Quarter 2017, 1st Quarter 2016, September 21, 2016, and 4th Quarter 2016 sampling event. The PAL is 0.3 ug/l and the ES is 3.0 ug/l for Chloromethane.

The 1st Quarter 2017 sampling round shows that Tetrachloroethene was detected at MW-11 (3.6 ug/l). The 3rd Quarter 2016 sampling round shows that Tetrachloroethene was detected at MW-11 (4.3 ug/l). Tetrachloroethene was not detected at any monitoring well, in quantities above the method detection limit, 2nd Quarter 2017 and 4th Quarter 2016 sampling event. The PAL is 0.5 ug/l and the ES is 5 ug/l for Tetrachloroethylene. The PAL was exceeded at MW-11 during the 3rd Quarter 2016 and 1st Quarter 2017 sampling event. The ES was exceeded at MW-11 during the 1st Quarter 2016 sampling event.

The 2nd Quarter 2017 sampling round shows that Vinyl Chloride was detected at MW-1 (5.3 J ug/l), MW-24 (7.7 ug/l), and MW-25 (2.2 ug/l). The 1st Quarter 2017 sampling round shows that Vinyl Chloride was detected at MW-14 (0.20 J ug/l). The 4th Quarter 2015 sampling round shows that Vinyl Chloride was detected at MW-1 (6.2 J ug/l), MW-6 (2.9 ug/l), MW-7 (0.50 J ug/l), MW-9 (1.9 ug/l), MW-10 (306 ug/l), MW-22 (0.22 J ug/l), MW-23 (0.27 J ug/l), MW-24 (3.7 J ug/l), and MW-25 (2.4 J ug/l). The 3rd Quarter 2016 sampling round shows that Vinyl Chloride was detected at MW-14 (0.56 J ug/l). The PAL is 0.02 ug/l and the ES is 0.2 ug/l for Vinyl Chloride. The ES was exceeded at MW-1, MW-24, and MW-25 during the 2nd Quarter 2016 sampling event. The ES was exceeded at MW-14 during the 1st Quarter 2017 and the 3rd Quarter 2016 sampling event. The ES was exceeded at MW-9, MW-14, MW-24, and MW-25 during the 2nd Quarter 2014 sampling event. The ES was exceeded at MW-1, MW-6, MW-7, MW-9, MW-10, MW-22, MW-23, MW-24, and MW-25 during the 4th Quarter 2016 sampling event.

The above-mentioned compounds are "daughter" compounds of 1,1,1-Trichloroethane, an indication that natural attenuation of the halogenated compounds may be occurring. More investigative effort is required to confirm this.

Methylene Chloride was detected MW-24 (1.6 J ug/l) during the 2nd Quarter 2017 sampling event. Methylene Chloride was detected at MW-24 (2.2 J ug/l) during the 4th Quarter 2016 sampling event. Methylene Chloride was not detected at any monitoring well, above the limits of detection, during the 1st Quarter 2016 and 3rd Quarter 2016 sampling event. The PAL is 0.5 ug/l and the ES is 5 ug/l for Methylene Chloride. The PAL was exceeded at MW-24 during the 2nd Quarter 2016 and 4th Quarter 2016 sampling event.

Toluene was detected at MW-7 (0.62 J ug/l) during the 4th Quarter 2016 sampling event. Toluene was detected at MW-18 (0.88 ug/l J) during the 2nd Quarter 2016 sampling event. Toluene was not detected at any monitoring well, above the limits of detection, during the 2nd Quarter 2017 and 3rd Quarter 2016 sampling event. The PAL is 0.2 mg/l and the ES is 1 mg/l for Toluene.

High levels of DRO were noted at MW-1 (99.4 mg/l), MW-2 (646 mg/l), MW-6 (50.4 mg/l), MW-7 (24.5 mg/l), MW-9 (16.0 mg/l), MW-10 (52.4 mg/l), MW-12 (1,600 mg/l), MW-18 (5,670 mg/l), MW-20 (1,180 mg/l), MW-21 (582 mg/l), and MW-22 (305 mg/l). Low levels of DRO were detected at MW-11 (0.71 mg/l), MW-13 (0.15 mg/l), MW-14 (0.45 mg/l), MW-15 (0.032 J mg/l), MW-16 (0.24 mg/l), MW-17 (4.5 mg/l), MW-19 (0.22 mg/l), MW-22 (9.8 mg/l), MW-23 (0.069 mg/l), MW-24 (0.48 mg/l), MW-25 (0.21 mg/l), and 402N (0.14 mg/l). Neither a PAL nor an ES has been established for DRO. DRO sampling was discontinued as a regular analytical parameter as of the 2nd Quarter 2016 groundwater analysis.

Vapor Intrusion:

A Vapor Intrusion characterization standard was added to the NR716 Site Investigation protocol as 716.05(1) during December 2010. This protocol requires all sites exhibiting VOC/CVOC contamination to conduct a testing program to identify and quantify levels of VOC/CVOC vapors present in the subsurface soils and above surface ambient air. The intent of this new requirement is to prevent exposures that negatively impact human health in terms of excess risk per USEPA and Center for Disease Control (CDC) standards.

As a result of this new legislation, a Vapor Intrusion monitoring program must be implemented in order to obtain Site Closure.

The United States Environmental Protection Agency (USEPA) guidance “OSWER Draft Guidance for Evaluating the Vapor Intrusion to Indoor Air Pathway from Groundwater and Soils (Subsurface Vapor Intrusion Guidance)” EPA530-D-02-004, dated November 2002 and the State of Wisconsin Department of Health and Family Services (WI DHFS) Division of Public Health guidance “Chemical Vapor Intrusion and Residential Indoor Air Guidance for Environmental Consultants and Contractors” dated February 13, 2003 were utilized for the evaluation of the Vapor Intrusion Pathway

To that end, Environmental Audits, Inc. placed thirty-two (32) discrete sub-slab sampling ports around and about the Twin Disc, Inc. Plant 3 facility. These sub-slab sampling ports were sampled commencing March 28, 2012 with the latest sampling event occurring March 22, 2016.

The OSWER Draft Guidance recommends that an inhabited building generally be considered “near” subsurface contaminants if it is located within approximately 100 ft laterally or vertically of known or interpolated soil gas or groundwater contaminants.¹

¹ OSWER Draft Guidance for Evaluating the Vapor Intrusion to Indoor Air Pathway from Groundwater and Soils (Subsurface Vapor Intrusion Guidance)” EPA530-D-02-004, dated November 2002, Page 16

The OSWER Draft Guidance states "Petroleum hydrocarbons biodegrade relatively well in unsaturated soils. Therefore, petroleum-related VOCs generally have to be in "free product" state or groundwater very near, if not in contact with, the building foundation to result in vapor intrusion. In contrast, chlorinated solvents undergo limited biodegradation and can cause a vapor intrusion concern even when the source is a long distance away."²

No residences are located within 100 feet of the building proper and therefore an off-site sub-slab Vapor Intrusion investigation would not appear warranted for this Site.

The sub-slab investigation conducted to date has indicated the presence of Volatile Organic compounds beneath the Twin Disc, Inc. Plant 3 facility. Additional investigative effort is warranted to further identify the effects of seasonality on the detected compounds. Additional sample ports are warranted in the Twin Disc, Inc. Plant 3 Engineering and Human Resource offices to confirm or refute the presence of Volatile Organic Compounds in the theoretical plume beneath these office areas.

The complete summary of the Vapor Intrusion findings to date will be provided in a stand-alone document.

CONCLUSIONS/RECOMMENDATIONS

The purpose of the installation of monitoring wells MW-22, MW-23, and MW-24 was due to the increase in measured free product at MW-18. MW-18 was considered to be beyond the easternmost extent of free product migration. Free product was not expected to be found at MW-18. Free product was measured at 70" at MW-18 during June 2009, an increase from 5" during June 1998. The three additional monitoring wells were placed to determine if the free product measured at MW-18 was caused by migration from the Broach Machine #2525 or if a secondary source is present, contributing to the product levels found at MW-18. The increase in free product levels noted at MW-20 and MW-21, both side gradient to the Broach Pit, suggest a secondary source.

On March 27, 2003, an additional Monitoring Well, MW-25, was constructed and two (2) additional Geoprobe[®] borings were obtained around and about a waste oil/solvent pit located in the interior of the Twin Disc facility. The purpose of this investigation was to determine if the waste oil/solvent pit was acting as a secondary source. From the data obtained to date, the waste oil/solvent pit does not appear to be a secondary source of free product.

Twin Disc is addressing the increase in free product levels through enhancements to their free product recovery network. A pilot study was conducted during June 2009 to determine the effectiveness the Xitech Instruments, Inc. pneumatic oil skimming equipment. The results of this study were favorable and three (3) additional pneumatic oil skimming recovery pumps were installed in MW-18, MW-20, and MW-21 during August 2009. These three recovery pumps have been optimized.

² OSWER Draft Guidance for Evaluating the Vapor Intrusion to Indoor Air Pathway from Groundwater and Soils (Subsurface Vapor Intrusion Guidance)" EPA530-D-02-004, dated November 2002, Page 16

Selected interior and perimeter monitoring wells will continue to be sampled for VOCs semi-annually, alternating quarterly, during 2016. The next groundwater-sampling round will occur during the 3rd Quarter 2017.

A Vapor Intrusion characterization standard was added to the NR716 Site Investigation protocol as 716.05(1) during December 2010. This protocol requires all sites exhibiting VOC/CVOC contamination to conduct a testing program to identify and quantify levels of VOC/CVOC vapors present in the subsurface soils and above surface ambient air. The intent of this new requirement is to prevent exposures that negatively impact human health in terms of excess risk per USEPA and Center for Disease Control (CDC) standards.

As a result of this new legislation, a Vapor Intrusion monitoring program has been implemented in order to facilitate Site Closure.

The objective is to provide effective remediation of the site in both a practical and cost efficient manner.

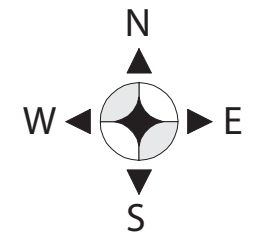
LIST OF APPENDICES

APPENDIX I: Well Location/Flow Direction Maps

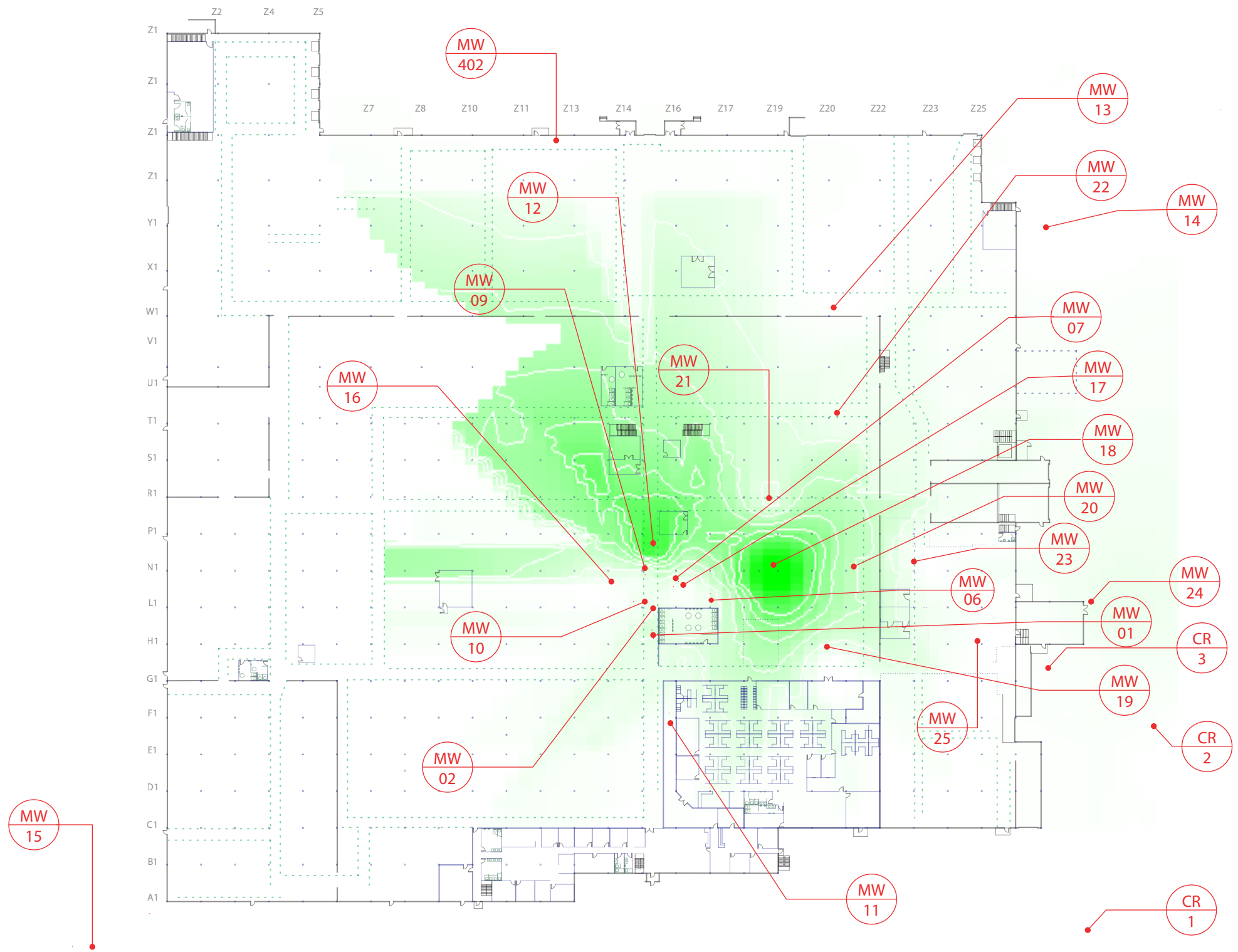
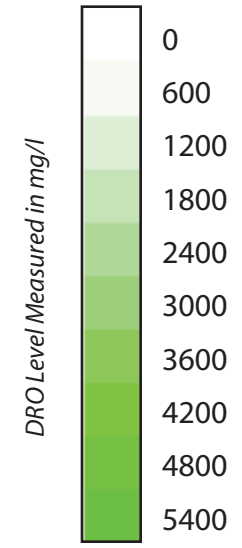
APPENDIX II: Laboratory Reports

APPENDIX III: Mann-Kendall Statistical Tests

APPENDIX IV: Vapor Intrusion Results



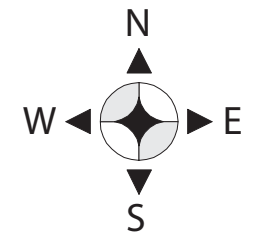
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1" = 85'



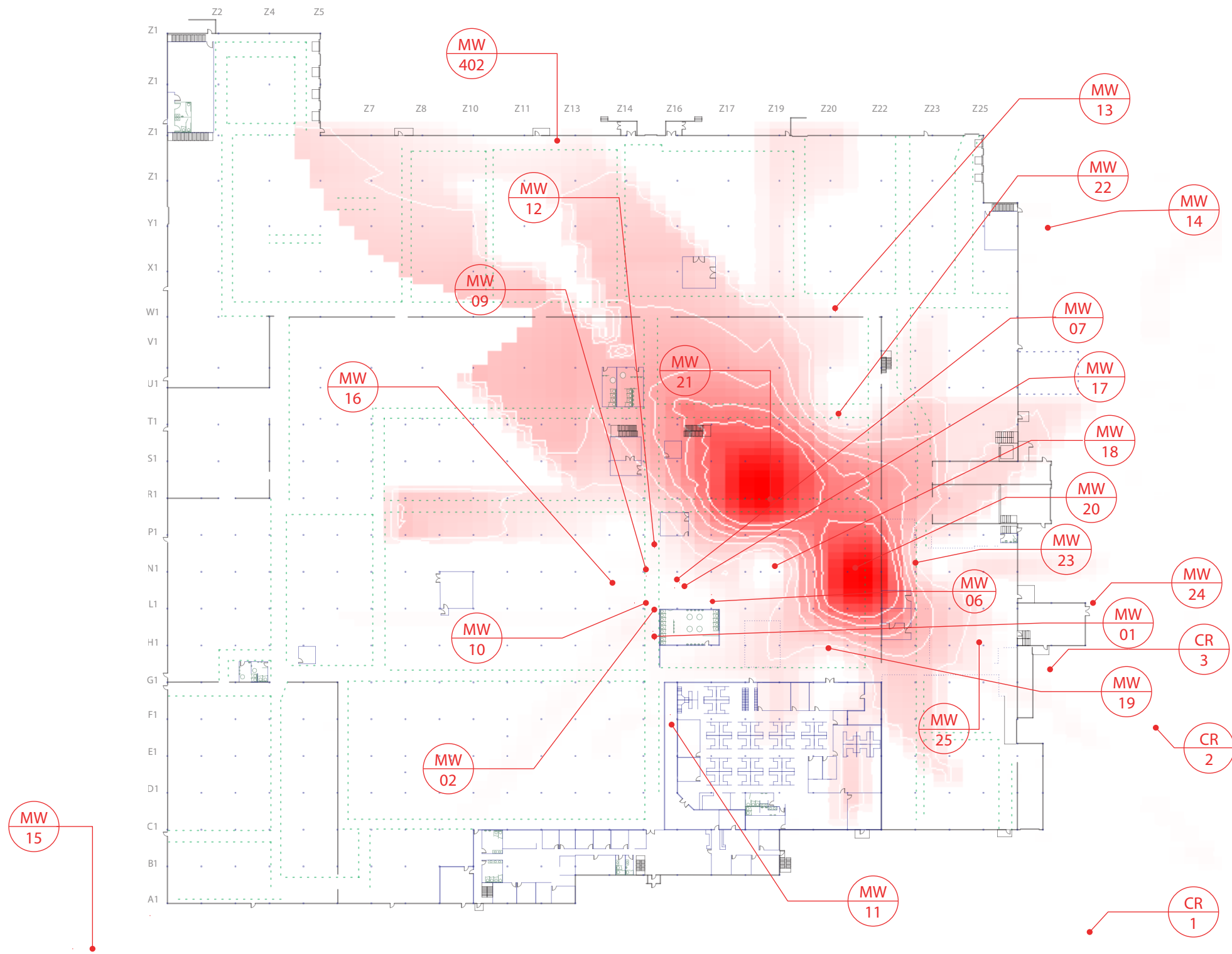
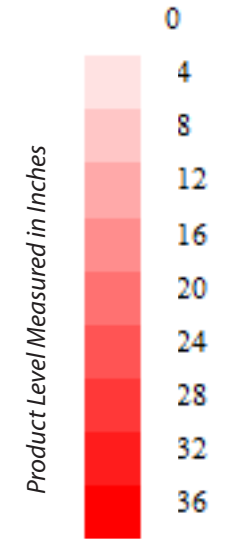
Twin Disc, Inc.
Broach Pit Project
2D - DRO Level Map
Plant 3 - Level 1

Drawn on 05/16/15





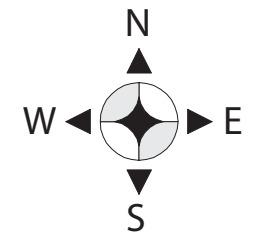
APPROXIMATE SCALE:
1" = 85'



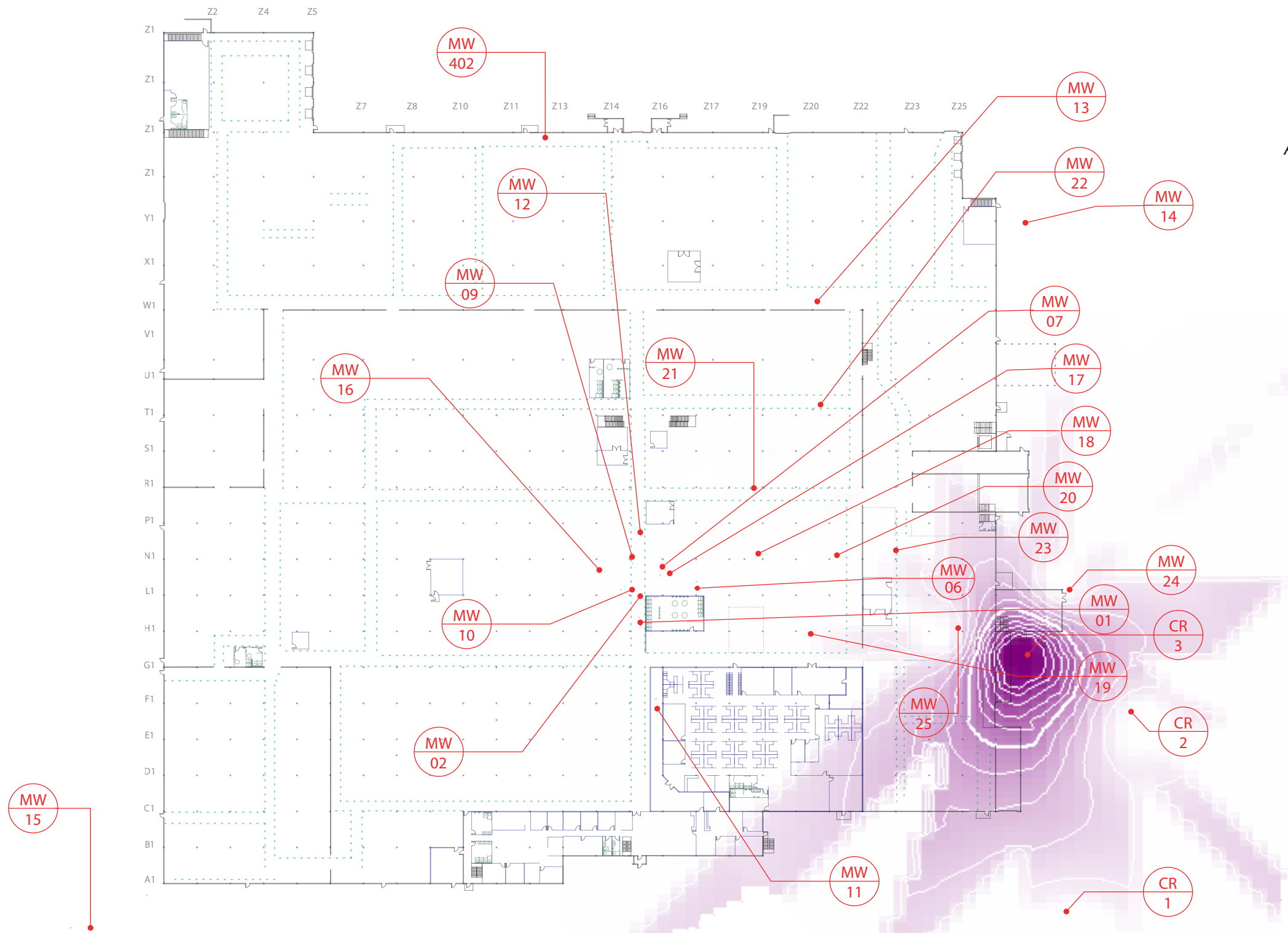
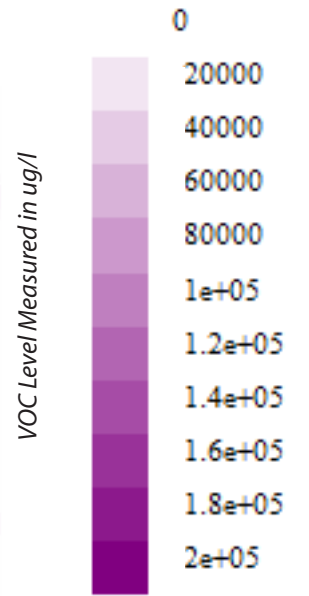
Twin Disc, Inc.
Broach Pit Project
2D - Product Level Map
Plant 3 - Level 1

Drawn on 07/20/16





APPROXIMATE SCALE:
1" = 85'



Twin Disc, Inc.
Broach Pit Project
2D - VOC Level Map
Plant 3 - Level 1

Drawn on 07/20/16



March 09, 2017

Ed Raymond
Environmental Audits, Inc
1409 Hillcrest Circle
Racine, WI 53406

RE: Project: TD BR
Pace Project No.: 40146371

Dear Ed Raymond:

Enclosed are the analytical results for sample(s) received by the laboratory on March 04, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Dan Milewsky
dan.milewsky@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: John Ruetz, Environmental Audits Inc



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: TD BR
Pace Project No.: 40146371

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150

Virginia VELAP ID: 460263
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-16-00157
Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: TD BR
Pace Project No.: 40146371

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40146371001	MW-11	Water	03/02/17 00:00	03/04/17 08:25
40146371002	MW-12	Water	03/02/17 00:00	03/04/17 08:25
40146371003	MW-13	Water	03/02/17 00:00	03/04/17 08:25
40146371004	MW-16	Water	03/02/17 00:00	03/04/17 08:25
40146371005	MW-19	Water	03/02/17 00:00	03/04/17 08:25
40146371006	MW-402N	Water	03/02/17 00:00	03/04/17 08:25
40146371007	TRIP BLANK	Water	03/02/17 00:00	03/04/17 08:25

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: TD BR
Pace Project No.: 40146371

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40146371001	MW-11	EPA 8260	HNW	64
40146371002	MW-12	EPA 8260	HNW	64
40146371003	MW-13	EPA 8260	HNW	64
40146371004	MW-16	EPA 8260	HNW	64
40146371005	MW-19	EPA 8260	HNW	64
40146371006	MW-402N	EPA 8260	HNW	64
40146371007	TRIP BLANK	EPA 8260	HNW	64

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TD BR
Pace Project No.: 40146371

Sample: MW-11 **Lab ID: 40146371001** Collected: 03/02/17 00:00 Received: 03/04/17 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.45	ug/L	2.5	0.45	2.5		03/08/17 10:10	630-20-6	
1,1,1-Trichloroethane	<1.2	ug/L	2.5	1.2	2.5		03/08/17 10:10	71-55-6	
1,1,2,2-Tetrachloroethane	<0.62	ug/L	2.5	0.62	2.5		03/08/17 10:10	79-34-5	
1,1,2-Trichloroethane	<0.49	ug/L	2.5	0.49	2.5		03/08/17 10:10	79-00-5	
1,1-Dichloroethane	1.0J	ug/L	2.5	0.60	2.5		03/08/17 10:10	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	2.5	1.0	2.5		03/08/17 10:10	75-35-4	
1,1-Dichloropropene	<1.1	ug/L	2.5	1.1	2.5		03/08/17 10:10	563-58-6	
1,2,3-Trichlorobenzene	<5.3	ug/L	12.5	5.3	2.5		03/08/17 10:10	87-61-6	
1,2,3-Trichloropropane	<1.2	ug/L	2.5	1.2	2.5		03/08/17 10:10	96-18-4	
1,2,4-Trichlorobenzene	<5.5	ug/L	12.5	5.5	2.5		03/08/17 10:10	120-82-1	
1,2,4-Trimethylbenzene	<1.2	ug/L	2.5	1.2	2.5		03/08/17 10:10	95-63-6	
1,2-Dibromo-3-chloropropane	<5.4	ug/L	12.5	5.4	2.5		03/08/17 10:10	96-12-8	
1,2-Dibromoethane (EDB)	<0.44	ug/L	2.5	0.44	2.5		03/08/17 10:10	106-93-4	
1,2-Dichlorobenzene	<1.2	ug/L	2.5	1.2	2.5		03/08/17 10:10	95-50-1	
1,2-Dichloroethane	<0.42	ug/L	2.5	0.42	2.5		03/08/17 10:10	107-06-2	
1,2-Dichloropropane	<0.58	ug/L	2.5	0.58	2.5		03/08/17 10:10	78-87-5	
1,3,5-Trimethylbenzene	<1.2	ug/L	2.5	1.2	2.5		03/08/17 10:10	108-67-8	
1,3-Dichlorobenzene	<1.2	ug/L	2.5	1.2	2.5		03/08/17 10:10	541-73-1	
1,3-Dichloropropane	<1.2	ug/L	2.5	1.2	2.5		03/08/17 10:10	142-28-9	
1,4-Dichlorobenzene	<1.2	ug/L	2.5	1.2	2.5		03/08/17 10:10	106-46-7	
2,2-Dichloropropane	<1.2	ug/L	2.5	1.2	2.5		03/08/17 10:10	594-20-7	
2-Chlorotoluene	<1.2	ug/L	2.5	1.2	2.5		03/08/17 10:10	95-49-8	
4-Chlorotoluene	<0.53	ug/L	2.5	0.53	2.5		03/08/17 10:10	106-43-4	
Benzene	<1.2	ug/L	2.5	1.2	2.5		03/08/17 10:10	71-43-2	
Bromobenzene	<0.58	ug/L	2.5	0.58	2.5		03/08/17 10:10	108-86-1	
Bromochloromethane	<0.85	ug/L	2.5	0.85	2.5		03/08/17 10:10	74-97-5	
Bromodichloromethane	<1.2	ug/L	2.5	1.2	2.5		03/08/17 10:10	75-27-4	
Bromoform	<1.2	ug/L	2.5	1.2	2.5		03/08/17 10:10	75-25-2	
Bromomethane	<6.1	ug/L	12.5	6.1	2.5		03/08/17 10:10	74-83-9	
Carbon tetrachloride	<1.2	ug/L	2.5	1.2	2.5		03/08/17 10:10	56-23-5	
Chlorobenzene	<1.2	ug/L	2.5	1.2	2.5		03/08/17 10:10	108-90-7	
Chloroethane	<0.94	ug/L	2.5	0.94	2.5		03/08/17 10:10	75-00-3	
Chloroform	<6.2	ug/L	12.5	6.2	2.5		03/08/17 10:10	67-66-3	
Chloromethane	<1.2	ug/L	2.5	1.2	2.5		03/08/17 10:10	74-87-3	
Dibromochloromethane	<1.2	ug/L	2.5	1.2	2.5		03/08/17 10:10	124-48-1	
Dibromomethane	<1.1	ug/L	2.5	1.1	2.5		03/08/17 10:10	74-95-3	
Dichlorodifluoromethane	<0.56	ug/L	2.5	0.56	2.5		03/08/17 10:10	75-71-8	
Diisopropyl ether	<1.2	ug/L	2.5	1.2	2.5		03/08/17 10:10	108-20-3	
Ethylbenzene	<1.2	ug/L	2.5	1.2	2.5		03/08/17 10:10	100-41-4	
Hexachloro-1,3-butadiene	<5.3	ug/L	12.5	5.3	2.5		03/08/17 10:10	87-68-3	
Isopropylbenzene (Cumene)	<0.36	ug/L	2.5	0.36	2.5		03/08/17 10:10	98-82-8	
Methyl-tert-butyl ether	<0.44	ug/L	2.5	0.44	2.5		03/08/17 10:10	1634-04-4	
Methylene Chloride	<0.58	ug/L	2.5	0.58	2.5		03/08/17 10:10	75-09-2	
Naphthalene	<6.2	ug/L	12.5	6.2	2.5		03/08/17 10:10	91-20-3	
Styrene	<1.2	ug/L	2.5	1.2	2.5		03/08/17 10:10	100-42-5	
Tetrachloroethene	3.6	ug/L	2.5	1.2	2.5		03/08/17 10:10	127-18-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TD BR
Pace Project No.: 40146371

Sample: MW-11 **Lab ID: 40146371001** Collected: 03/02/17 00:00 Received: 03/04/17 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Toluene	<1.2	ug/L	2.5	1.2	2.5		03/08/17 10:10	108-88-3	
Trichloroethene	7.5	ug/L	2.5	0.83	2.5		03/08/17 10:10	79-01-6	
Trichlorofluoromethane	<0.46	ug/L	2.5	0.46	2.5		03/08/17 10:10	75-69-4	
Vinyl chloride	<0.44	ug/L	2.5	0.44	2.5		03/08/17 10:10	75-01-4	
cis-1,2-Dichloroethene	216	ug/L	2.5	0.64	2.5		03/08/17 10:10	156-59-2	
cis-1,3-Dichloropropene	<1.2	ug/L	2.5	1.2	2.5		03/08/17 10:10	10061-01-5	
m&p-Xylene	<2.5	ug/L	5.0	2.5	2.5		03/08/17 10:10	179601-23-1	
n-Butylbenzene	<1.2	ug/L	2.5	1.2	2.5		03/08/17 10:10	104-51-8	
n-Propylbenzene	<1.2	ug/L	2.5	1.2	2.5		03/08/17 10:10	103-65-1	
o-Xylene	<1.2	ug/L	2.5	1.2	2.5		03/08/17 10:10	95-47-6	
p-Isopropyltoluene	<1.2	ug/L	2.5	1.2	2.5		03/08/17 10:10	99-87-6	
sec-Butylbenzene	<5.5	ug/L	12.5	5.5	2.5		03/08/17 10:10	135-98-8	
tert-Butylbenzene	<0.45	ug/L	2.5	0.45	2.5		03/08/17 10:10	98-06-6	
trans-1,2-Dichloroethene	14.8	ug/L	2.5	0.64	2.5		03/08/17 10:10	156-60-5	
trans-1,3-Dichloropropene	<0.57	ug/L	2.5	0.57	2.5		03/08/17 10:10	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		2.5		03/08/17 10:10	460-00-4	
Dibromofluoromethane (S)	110	%	70-130		2.5		03/08/17 10:10	1868-53-7	
Toluene-d8 (S)	92	%	70-130		2.5		03/08/17 10:10	2037-26-5	

Sample: MW-12 **Lab ID: 40146371002** Collected: 03/02/17 00:00 Received: 03/04/17 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<1.8	ug/L	10.0	1.8	10		03/08/17 10:32	630-20-6	
1,1,1-Trichloroethane	27.4	ug/L	10.0	5.0	10		03/08/17 10:32	71-55-6	
1,1,1,2,2-Tetrachloroethane	<2.5	ug/L	10.0	2.5	10		03/08/17 10:32	79-34-5	
1,1,2-Trichloroethane	<2.0	ug/L	10.0	2.0	10		03/08/17 10:32	79-00-5	
1,1-Dichloroethane	61.2	ug/L	10.0	2.4	10		03/08/17 10:32	75-34-3	
1,1-Dichloroethene	<4.1	ug/L	10.0	4.1	10		03/08/17 10:32	75-35-4	
1,1-Dichloropropene	<4.4	ug/L	10.0	4.4	10		03/08/17 10:32	563-58-6	
1,2,3-Trichlorobenzene	<21.3	ug/L	50.0	21.3	10		03/08/17 10:32	87-61-6	
1,2,3-Trichloropropane	<5.0	ug/L	10.0	5.0	10		03/08/17 10:32	96-18-4	
1,2,4-Trichlorobenzene	<22.1	ug/L	50.0	22.1	10		03/08/17 10:32	120-82-1	
1,2,4-Trimethylbenzene	<5.0	ug/L	10.0	5.0	10		03/08/17 10:32	95-63-6	
1,2-Dibromo-3-chloropropane	<21.6	ug/L	50.0	21.6	10		03/08/17 10:32	96-12-8	
1,2-Dibromoethane (EDB)	<1.8	ug/L	10.0	1.8	10		03/08/17 10:32	106-93-4	
1,2-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		03/08/17 10:32	95-50-1	
1,2-Dichloroethane	<1.7	ug/L	10.0	1.7	10		03/08/17 10:32	107-06-2	
1,2-Dichloropropane	<2.3	ug/L	10.0	2.3	10		03/08/17 10:32	78-87-5	
1,3,5-Trimethylbenzene	<5.0	ug/L	10.0	5.0	10		03/08/17 10:32	108-67-8	
1,3-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		03/08/17 10:32	541-73-1	
1,3-Dichloropropane	<5.0	ug/L	10.0	5.0	10		03/08/17 10:32	142-28-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TD BR
Pace Project No.: 40146371

Sample: MW-12 **Lab ID: 40146371002** Collected: 03/02/17 00:00 Received: 03/04/17 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,4-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		03/08/17 10:32	106-46-7	
2,2-Dichloropropane	<4.8	ug/L	10.0	4.8	10		03/08/17 10:32	594-20-7	
2-Chlorotoluene	<5.0	ug/L	10.0	5.0	10		03/08/17 10:32	95-49-8	
4-Chlorotoluene	<2.1	ug/L	10.0	2.1	10		03/08/17 10:32	106-43-4	
Benzene	<5.0	ug/L	10.0	5.0	10		03/08/17 10:32	71-43-2	
Bromobenzene	<2.3	ug/L	10.0	2.3	10		03/08/17 10:32	108-86-1	
Bromochloromethane	<3.4	ug/L	10.0	3.4	10		03/08/17 10:32	74-97-5	
Bromodichloromethane	<5.0	ug/L	10.0	5.0	10		03/08/17 10:32	75-27-4	
Bromoform	<5.0	ug/L	10.0	5.0	10		03/08/17 10:32	75-25-2	
Bromomethane	<24.3	ug/L	50.0	24.3	10		03/08/17 10:32	74-83-9	
Carbon tetrachloride	<5.0	ug/L	10.0	5.0	10		03/08/17 10:32	56-23-5	
Chlorobenzene	<5.0	ug/L	10.0	5.0	10		03/08/17 10:32	108-90-7	
Chloroethane	<3.7	ug/L	10.0	3.7	10		03/08/17 10:32	75-00-3	
Chloroform	<25.0	ug/L	50.0	25.0	10		03/08/17 10:32	67-66-3	
Chloromethane	<5.0	ug/L	10.0	5.0	10		03/08/17 10:32	74-87-3	
Dibromochloromethane	<5.0	ug/L	10.0	5.0	10		03/08/17 10:32	124-48-1	
Dibromomethane	<4.3	ug/L	10.0	4.3	10		03/08/17 10:32	74-95-3	
Dichlorodifluoromethane	<2.2	ug/L	10.0	2.2	10		03/08/17 10:32	75-71-8	
Diisopropyl ether	<5.0	ug/L	10.0	5.0	10		03/08/17 10:32	108-20-3	
Ethylbenzene	<5.0	ug/L	10.0	5.0	10		03/08/17 10:32	100-41-4	
Hexachloro-1,3-butadiene	<21.1	ug/L	50.0	21.1	10		03/08/17 10:32	87-68-3	
Isopropylbenzene (Cumene)	<1.4	ug/L	10.0	1.4	10		03/08/17 10:32	98-82-8	
Methyl-tert-butyl ether	<1.7	ug/L	10.0	1.7	10		03/08/17 10:32	1634-04-4	
Methylene Chloride	<2.3	ug/L	10.0	2.3	10		03/08/17 10:32	75-09-2	
Naphthalene	<25.0	ug/L	50.0	25.0	10		03/08/17 10:32	91-20-3	
Styrene	<5.0	ug/L	10.0	5.0	10		03/08/17 10:32	100-42-5	
Tetrachloroethene	<5.0	ug/L	10.0	5.0	10		03/08/17 10:32	127-18-4	
Toluene	<5.0	ug/L	10.0	5.0	10		03/08/17 10:32	108-88-3	
Trichloroethene	<3.3	ug/L	10.0	3.3	10		03/08/17 10:32	79-01-6	
Trichlorofluoromethane	<1.8	ug/L	10.0	1.8	10		03/08/17 10:32	75-69-4	
Vinyl chloride	<1.8	ug/L	10.0	1.8	10		03/08/17 10:32	75-01-4	
cis-1,2-Dichloroethene	<2.6	ug/L	10.0	2.6	10		03/08/17 10:32	156-59-2	
cis-1,3-Dichloropropene	<5.0	ug/L	10.0	5.0	10		03/08/17 10:32	10061-01-5	
m&p-Xylene	<10.0	ug/L	20.0	10.0	10		03/08/17 10:32	179601-23-1	
n-Butylbenzene	<5.0	ug/L	10.0	5.0	10		03/08/17 10:32	104-51-8	
n-Propylbenzene	<5.0	ug/L	10.0	5.0	10		03/08/17 10:32	103-65-1	
o-Xylene	<5.0	ug/L	10.0	5.0	10		03/08/17 10:32	95-47-6	
p-Isopropyltoluene	<5.0	ug/L	10.0	5.0	10		03/08/17 10:32	99-87-6	
sec-Butylbenzene	<21.9	ug/L	50.0	21.9	10		03/08/17 10:32	135-98-8	
tert-Butylbenzene	<1.8	ug/L	10.0	1.8	10		03/08/17 10:32	98-06-6	
trans-1,2-Dichloroethene	<2.6	ug/L	10.0	2.6	10		03/08/17 10:32	156-60-5	
trans-1,3-Dichloropropene	<2.3	ug/L	10.0	2.3	10		03/08/17 10:32	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		10		03/08/17 10:32	460-00-4	D3
Dibromofluoromethane (S)	109	%	70-130		10		03/08/17 10:32	1868-53-7	
Toluene-d8 (S)	93	%	70-130		10		03/08/17 10:32	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TD BR
Pace Project No.: 40146371

Sample: MW-13 **Lab ID: 40146371003** Collected: 03/02/17 00:00 Received: 03/04/17 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		03/08/17 10:55	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		03/08/17 10:55	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		03/08/17 10:55	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		03/08/17 10:55	79-00-5	
1,1-Dichloroethane	1.2	ug/L	1.0	0.24	1		03/08/17 10:55	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		03/08/17 10:55	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		03/08/17 10:55	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		03/08/17 10:55	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		03/08/17 10:55	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		03/08/17 10:55	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/08/17 10:55	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		03/08/17 10:55	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		03/08/17 10:55	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/08/17 10:55	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		03/08/17 10:55	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		03/08/17 10:55	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/08/17 10:55	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/08/17 10:55	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		03/08/17 10:55	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/08/17 10:55	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		03/08/17 10:55	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		03/08/17 10:55	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		03/08/17 10:55	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		03/08/17 10:55	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		03/08/17 10:55	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		03/08/17 10:55	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		03/08/17 10:55	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		03/08/17 10:55	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		03/08/17 10:55	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		03/08/17 10:55	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		03/08/17 10:55	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		03/08/17 10:55	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		03/08/17 10:55	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		03/08/17 10:55	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		03/08/17 10:55	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		03/08/17 10:55	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		03/08/17 10:55	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		03/08/17 10:55	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		03/08/17 10:55	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		03/08/17 10:55	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		03/08/17 10:55	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		03/08/17 10:55	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		03/08/17 10:55	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		03/08/17 10:55	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		03/08/17 10:55	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		03/08/17 10:55	127-18-4	

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ANALYTICAL RESULTS

Project: TD BR
Pace Project No.: 40146371

Sample: MW-13 **Lab ID: 40146371003** Collected: 03/02/17 00:00 Received: 03/04/17 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Toluene	<0.50	ug/L	1.0	0.50	1		03/08/17 10:55	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		03/08/17 10:55	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		03/08/17 10:55	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		03/08/17 10:55	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		03/08/17 10:55	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		03/08/17 10:55	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		03/08/17 10:55	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		03/08/17 10:55	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		03/08/17 10:55	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		03/08/17 10:55	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		03/08/17 10:55	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		03/08/17 10:55	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		03/08/17 10:55	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		03/08/17 10:55	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		03/08/17 10:55	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		03/08/17 10:55	460-00-4	
Dibromofluoromethane (S)	90	%	70-130		1		03/08/17 10:55	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		03/08/17 10:55	2037-26-5	

Sample: MW-16 **Lab ID: 40146371004** Collected: 03/02/17 00:00 Received: 03/04/17 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		03/08/17 09:47	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		03/08/17 09:47	71-55-6	
1,1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		03/08/17 09:47	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		03/08/17 09:47	79-00-5	
1,1-Dichloroethane	0.39J	ug/L	1.0	0.24	1		03/08/17 09:47	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		03/08/17 09:47	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		03/08/17 09:47	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		03/08/17 09:47	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		03/08/17 09:47	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		03/08/17 09:47	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/08/17 09:47	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		03/08/17 09:47	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		03/08/17 09:47	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/08/17 09:47	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		03/08/17 09:47	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		03/08/17 09:47	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/08/17 09:47	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/08/17 09:47	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		03/08/17 09:47	142-28-9	

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ANALYTICAL RESULTS

Project: TD BR
Pace Project No.: 40146371

Sample: MW-16 **Lab ID: 40146371004** Collected: 03/02/17 00:00 Received: 03/04/17 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/08/17 09:47	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		03/08/17 09:47	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		03/08/17 09:47	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		03/08/17 09:47	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		03/08/17 09:47	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		03/08/17 09:47	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		03/08/17 09:47	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		03/08/17 09:47	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		03/08/17 09:47	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		03/08/17 09:47	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		03/08/17 09:47	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		03/08/17 09:47	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		03/08/17 09:47	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		03/08/17 09:47	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		03/08/17 09:47	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		03/08/17 09:47	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		03/08/17 09:47	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		03/08/17 09:47	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		03/08/17 09:47	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		03/08/17 09:47	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		03/08/17 09:47	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		03/08/17 09:47	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		03/08/17 09:47	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		03/08/17 09:47	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		03/08/17 09:47	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		03/08/17 09:47	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		03/08/17 09:47	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		03/08/17 09:47	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		03/08/17 09:47	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		03/08/17 09:47	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		03/08/17 09:47	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		03/08/17 09:47	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		03/08/17 09:47	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		03/08/17 09:47	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		03/08/17 09:47	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		03/08/17 09:47	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		03/08/17 09:47	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		03/08/17 09:47	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		03/08/17 09:47	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		03/08/17 09:47	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		03/08/17 09:47	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		03/08/17 09:47	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		03/08/17 09:47	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		1		03/08/17 09:47	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		03/08/17 09:47	2037-26-5	

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ANALYTICAL RESULTS

Project: TD BR
Pace Project No.: 40146371

Sample: MW-19 **Lab ID: 40146371005** Collected: 03/02/17 00:00 Received: 03/04/17 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		03/08/17 11:17	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		03/08/17 11:17	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		03/08/17 11:17	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		03/08/17 11:17	79-00-5	
1,1-Dichloroethane	1.1	ug/L	1.0	0.24	1		03/08/17 11:17	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		03/08/17 11:17	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		03/08/17 11:17	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		03/08/17 11:17	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		03/08/17 11:17	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		03/08/17 11:17	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/08/17 11:17	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		03/08/17 11:17	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		03/08/17 11:17	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/08/17 11:17	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		03/08/17 11:17	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		03/08/17 11:17	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/08/17 11:17	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/08/17 11:17	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		03/08/17 11:17	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/08/17 11:17	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		03/08/17 11:17	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		03/08/17 11:17	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		03/08/17 11:17	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		03/08/17 11:17	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		03/08/17 11:17	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		03/08/17 11:17	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		03/08/17 11:17	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		03/08/17 11:17	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		03/08/17 11:17	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		03/08/17 11:17	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		03/08/17 11:17	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		03/08/17 11:17	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		03/08/17 11:17	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		03/08/17 11:17	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		03/08/17 11:17	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		03/08/17 11:17	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		03/08/17 11:17	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		03/08/17 11:17	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		03/08/17 11:17	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		03/08/17 11:17	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		03/08/17 11:17	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		03/08/17 11:17	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		03/08/17 11:17	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		03/08/17 11:17	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		03/08/17 11:17	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		03/08/17 11:17	127-18-4	

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ANALYTICAL RESULTS

Project: TD BR
Pace Project No.: 40146371

Sample: MW-19 Lab ID: 40146371005 Collected: 03/02/17 00:00 Received: 03/04/17 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Toluene	<0.50	ug/L	1.0	0.50	1		03/08/17 11:17	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		03/08/17 11:17	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		03/08/17 11:17	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		03/08/17 11:17	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		03/08/17 11:17	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		03/08/17 11:17	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		03/08/17 11:17	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		03/08/17 11:17	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		03/08/17 11:17	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		03/08/17 11:17	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		03/08/17 11:17	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		03/08/17 11:17	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		03/08/17 11:17	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		03/08/17 11:17	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		03/08/17 11:17	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		03/08/17 11:17	460-00-4	
Dibromofluoromethane (S)	90	%	70-130		1		03/08/17 11:17	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		03/08/17 11:17	2037-26-5	

Sample: MW-402N Lab ID: 40146371006 Collected: 03/02/17 00:00 Received: 03/04/17 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		03/08/17 11:39	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		03/08/17 11:39	71-55-6	
1,1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		03/08/17 11:39	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		03/08/17 11:39	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		03/08/17 11:39	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		03/08/17 11:39	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		03/08/17 11:39	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		03/08/17 11:39	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		03/08/17 11:39	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		03/08/17 11:39	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/08/17 11:39	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		03/08/17 11:39	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		03/08/17 11:39	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/08/17 11:39	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		03/08/17 11:39	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		03/08/17 11:39	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/08/17 11:39	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/08/17 11:39	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		03/08/17 11:39	142-28-9	

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ANALYTICAL RESULTS

Project: TD BR
Pace Project No.: 40146371

Sample: MW-402N **Lab ID: 40146371006** Collected: 03/02/17 00:00 Received: 03/04/17 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/08/17 11:39	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		03/08/17 11:39	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		03/08/17 11:39	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		03/08/17 11:39	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		03/08/17 11:39	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		03/08/17 11:39	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		03/08/17 11:39	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		03/08/17 11:39	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		03/08/17 11:39	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		03/08/17 11:39	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		03/08/17 11:39	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		03/08/17 11:39	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		03/08/17 11:39	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		03/08/17 11:39	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		03/08/17 11:39	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		03/08/17 11:39	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		03/08/17 11:39	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		03/08/17 11:39	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		03/08/17 11:39	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		03/08/17 11:39	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		03/08/17 11:39	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		03/08/17 11:39	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		03/08/17 11:39	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		03/08/17 11:39	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		03/08/17 11:39	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		03/08/17 11:39	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		03/08/17 11:39	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		03/08/17 11:39	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		03/08/17 11:39	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		03/08/17 11:39	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		03/08/17 11:39	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		03/08/17 11:39	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		03/08/17 11:39	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		03/08/17 11:39	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		03/08/17 11:39	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		03/08/17 11:39	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		03/08/17 11:39	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		03/08/17 11:39	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		03/08/17 11:39	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		03/08/17 11:39	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		03/08/17 11:39	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		03/08/17 11:39	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		03/08/17 11:39	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		03/08/17 11:39	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		03/08/17 11:39	2037-26-5	

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ANALYTICAL RESULTS

Project: TD BR
Pace Project No.: 40146371

Sample: TRIP BLANK **Lab ID: 40146371007** Collected: 03/02/17 00:00 Received: 03/04/17 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		03/09/17 00:15	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		03/09/17 00:15	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		03/09/17 00:15	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		03/09/17 00:15	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		03/09/17 00:15	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		03/09/17 00:15	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		03/09/17 00:15	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		03/09/17 00:15	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		03/09/17 00:15	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		03/09/17 00:15	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/09/17 00:15	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		03/09/17 00:15	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		03/09/17 00:15	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/09/17 00:15	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		03/09/17 00:15	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		03/09/17 00:15	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/09/17 00:15	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/09/17 00:15	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		03/09/17 00:15	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/09/17 00:15	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		03/09/17 00:15	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		03/09/17 00:15	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		03/09/17 00:15	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		03/09/17 00:15	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		03/09/17 00:15	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		03/09/17 00:15	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		03/09/17 00:15	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		03/09/17 00:15	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		03/09/17 00:15	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		03/09/17 00:15	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		03/09/17 00:15	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		03/09/17 00:15	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		03/09/17 00:15	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		03/09/17 00:15	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		03/09/17 00:15	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		03/09/17 00:15	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		03/09/17 00:15	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		03/09/17 00:15	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		03/09/17 00:15	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		03/09/17 00:15	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		03/09/17 00:15	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		03/09/17 00:15	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		03/09/17 00:15	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		03/09/17 00:15	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		03/09/17 00:15	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		03/09/17 00:15	127-18-4	

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ANALYTICAL RESULTS

Project: TD BR
Pace Project No.: 40146371

Sample: TRIP BLANK **Lab ID: 40146371007** Collected: 03/02/17 00:00 Received: 03/04/17 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Toluene	<0.50	ug/L	1.0	0.50	1		03/09/17 00:15	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		03/09/17 00:15	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		03/09/17 00:15	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		03/09/17 00:15	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		03/09/17 00:15	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		03/09/17 00:15	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		03/09/17 00:15	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		03/09/17 00:15	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		03/09/17 00:15	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		03/09/17 00:15	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		03/09/17 00:15	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		03/09/17 00:15	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		03/09/17 00:15	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		03/09/17 00:15	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		03/09/17 00:15	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		03/09/17 00:15	460-00-4	
Dibromofluoromethane (S)	109	%	70-130		1		03/09/17 00:15	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		03/09/17 00:15	2037-26-5	

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QUALITY CONTROL DATA

Project: TD BR
Pace Project No.: 40146371

QC Batch: 249711 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40146371001, 40146371002, 40146371003, 40146371004, 40146371005, 40146371006, 40146371007

METHOD BLANK: 1474315 Matrix: Water
Associated Lab Samples: 40146371001, 40146371002, 40146371003, 40146371004, 40146371005, 40146371006, 40146371007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	03/08/17 07:32	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	03/08/17 07:32	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	03/08/17 07:32	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	03/08/17 07:32	
1,1-Dichloroethane	ug/L	<0.24	1.0	03/08/17 07:32	
1,1-Dichloroethene	ug/L	<0.41	1.0	03/08/17 07:32	
1,1-Dichloropropene	ug/L	<0.44	1.0	03/08/17 07:32	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	03/08/17 07:32	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	03/08/17 07:32	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	03/08/17 07:32	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	03/08/17 07:32	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	03/08/17 07:32	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	03/08/17 07:32	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	03/08/17 07:32	
1,2-Dichloroethane	ug/L	<0.17	1.0	03/08/17 07:32	
1,2-Dichloropropane	ug/L	<0.23	1.0	03/08/17 07:32	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	03/08/17 07:32	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	03/08/17 07:32	
1,3-Dichloropropane	ug/L	<0.50	1.0	03/08/17 07:32	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	03/08/17 07:32	
2,2-Dichloropropane	ug/L	<0.48	1.0	03/08/17 07:32	
2-Chlorotoluene	ug/L	<0.50	1.0	03/08/17 07:32	
4-Chlorotoluene	ug/L	<0.21	1.0	03/08/17 07:32	
Benzene	ug/L	<0.50	1.0	03/08/17 07:32	
Bromobenzene	ug/L	<0.23	1.0	03/08/17 07:32	
Bromochloromethane	ug/L	<0.34	1.0	03/08/17 07:32	
Bromodichloromethane	ug/L	<0.50	1.0	03/08/17 07:32	
Bromoform	ug/L	<0.50	1.0	03/08/17 07:32	
Bromomethane	ug/L	<2.4	5.0	03/08/17 07:32	
Carbon tetrachloride	ug/L	<0.50	1.0	03/08/17 07:32	
Chlorobenzene	ug/L	<0.50	1.0	03/08/17 07:32	
Chloroethane	ug/L	<0.37	1.0	03/08/17 07:32	
Chloroform	ug/L	<2.5	5.0	03/08/17 07:32	
Chloromethane	ug/L	<0.50	1.0	03/08/17 07:32	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	03/08/17 07:32	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	03/08/17 07:32	
Dibromochloromethane	ug/L	<0.50	1.0	03/08/17 07:32	
Dibromomethane	ug/L	<0.43	1.0	03/08/17 07:32	
Dichlorodifluoromethane	ug/L	<0.22	1.0	03/08/17 07:32	
Diisopropyl ether	ug/L	<0.50	1.0	03/08/17 07:32	
Ethylbenzene	ug/L	<0.50	1.0	03/08/17 07:32	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TD BR
Pace Project No.: 40146371

METHOD BLANK: 1474315 Matrix: Water
Associated Lab Samples: 40146371001, 40146371002, 40146371003, 40146371004, 40146371005, 40146371006, 40146371007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	03/08/17 07:32	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	03/08/17 07:32	
m&p-Xylene	ug/L	<1.0	2.0	03/08/17 07:32	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	03/08/17 07:32	
Methylene Chloride	ug/L	<0.23	1.0	03/08/17 07:32	
n-Butylbenzene	ug/L	<0.50	1.0	03/08/17 07:32	
n-Propylbenzene	ug/L	<0.50	1.0	03/08/17 07:32	
Naphthalene	ug/L	<2.5	5.0	03/08/17 07:32	
o-Xylene	ug/L	<0.50	1.0	03/08/17 07:32	
p-Isopropyltoluene	ug/L	<0.50	1.0	03/08/17 07:32	
sec-Butylbenzene	ug/L	<2.2	5.0	03/08/17 07:32	
Styrene	ug/L	<0.50	1.0	03/08/17 07:32	
tert-Butylbenzene	ug/L	<0.18	1.0	03/08/17 07:32	
Tetrachloroethene	ug/L	<0.50	1.0	03/08/17 07:32	
Toluene	ug/L	<0.50	1.0	03/08/17 07:32	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	03/08/17 07:32	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	03/08/17 07:32	
Trichloroethene	ug/L	<0.33	1.0	03/08/17 07:32	
Trichlorofluoromethane	ug/L	<0.18	1.0	03/08/17 07:32	
Vinyl chloride	ug/L	<0.18	1.0	03/08/17 07:32	
4-Bromofluorobenzene (S)	%	96	70-130	03/08/17 07:32	
Dibromofluoromethane (S)	%	109	70-130	03/08/17 07:32	
Toluene-d8 (S)	%	92	70-130	03/08/17 07:32	

LABORATORY CONTROL SAMPLE: 1474316

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	49.3	99	70-131	
1,1,1,2-Tetrachloroethane	ug/L	50	46.9	94	67-130	
1,1,2-Trichloroethane	ug/L	50	49.9	100	70-130	
1,1-Dichloroethane	ug/L	50	51.1	102	70-133	
1,1-Dichloroethene	ug/L	50	48.5	97	70-130	
1,2,4-Trichlorobenzene	ug/L	50	46.0	92	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	44.8	90	50-150	
1,2-Dibromoethane (EDB)	ug/L	50	47.1	94	70-130	
1,2-Dichlorobenzene	ug/L	50	46.4	93	70-130	
1,2-Dichloroethane	ug/L	50	51.5	103	70-130	
1,2-Dichloropropane	ug/L	50	54.6	109	70-130	
1,3-Dichlorobenzene	ug/L	50	46.7	93	70-130	
1,4-Dichlorobenzene	ug/L	50	45.7	91	70-130	
Benzene	ug/L	50	53.4	107	60-135	
Bromodichloromethane	ug/L	50	54.2	108	70-130	
Bromoform	ug/L	50	43.9	88	70-130	
Bromomethane	ug/L	50	31.5	63	33-130	

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QUALITY CONTROL DATA

Project: TD BR
Pace Project No.: 40146371

LABORATORY CONTROL SAMPLE: 1474316

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	62.3	125	70-138	
Chlorobenzene	ug/L	50	49.9	100	70-130	
Chloroethane	ug/L	50	41.8	84	51-130	
Chloroform	ug/L	50	49.6	99	70-130	
Chloromethane	ug/L	50	38.9	78	25-132	
cis-1,2-Dichloroethene	ug/L	50	51.3	103	69-130	
cis-1,3-Dichloropropene	ug/L	50	47.2	94	70-130	
Dibromochloromethane	ug/L	50	48.7	97	70-130	
Dichlorodifluoromethane	ug/L	50	26.0	52	23-130	
Ethylbenzene	ug/L	50	54.0	108	70-136	
Isopropylbenzene (Cumene)	ug/L	50	55.7	111	70-140	
m&p-Xylene	ug/L	100	111	111	70-138	
Methyl-tert-butyl ether	ug/L	50	43.9	88	66-138	
Methylene Chloride	ug/L	50	47.8	96	70-130	
o-Xylene	ug/L	50	55.1	110	70-134	
Styrene	ug/L	50	51.4	103	70-133	
Tetrachloroethene	ug/L	50	49.6	99	70-138	
Toluene	ug/L	50	53.1	106	70-130	
trans-1,2-Dichloroethene	ug/L	50	51.1	102	70-131	
trans-1,3-Dichloropropene	ug/L	50	42.1	84	69-130	
Trichloroethene	ug/L	50	56.8	114	70-130	
Trichlorofluoromethane	ug/L	50	49.3	99	50-150	
Vinyl chloride	ug/L	50	45.6	91	49-130	
4-Bromofluorobenzene (S)	%			103	70-130	
Dibromofluoromethane (S)	%			94	70-130	
Toluene-d8 (S)	%			93	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1474376 1474377

Parameter	Units	40146371004		MSD		MSD		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec					
1,1,1-Trichloroethane	ug/L	<0.50	50	50	51.0	50.2	102	100	70-134	2	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	47.1	48.2	94	96	67-130	2	20		
1,1,2-Trichloroethane	ug/L	<0.20	50	50	50.1	50.8	100	102	70-130	1	20		
1,1-Dichloroethane	ug/L	0.39J	50	50	47.8	49.2	95	98	70-134	3	20		
1,1-Dichloroethene	ug/L	<0.41	50	50	46.7	48.7	93	97	68-136	4	20		
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	43.0	45.4	86	91	62-139	5	20		
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	44.3	48.0	89	96	50-150	8	20		
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	47.3	48.3	95	97	70-130	2	20		
1,2-Dichlorobenzene	ug/L	<0.50	50	50	45.7	46.9	91	94	70-130	3	20		
1,2-Dichloroethane	ug/L	<0.17	50	50	47.3	48.6	95	97	70-130	3	20		
1,2-Dichloropropane	ug/L	<0.23	50	50	53.4	54.4	107	109	70-130	2	20		
1,3-Dichlorobenzene	ug/L	<0.50	50	50	46.2	47.4	92	95	70-131	3	20		
1,4-Dichlorobenzene	ug/L	<0.50	50	50	45.0	45.8	90	92	70-130	2	20		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TD BR
Pace Project No.: 40146371

Parameter	Units	40146371004		MS		MSD		1474376		1474377		Qual	
		Result	Conc.	Spike Conc.	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec		Max RPD
Benzene	ug/L	<0.50	50	50	50	50	48.9	50.2	98	100	57-138	3	20
Bromodichloromethane	ug/L	<0.50	50	50	50	50	53.8	55.0	108	110	70-130	2	20
Bromoform	ug/L	<0.50	50	50	50	50	43.3	44.1	87	88	70-130	2	20
Bromomethane	ug/L	<2.4	50	50	50	50	37.5	40.4	75	81	33-130	7	27
Carbon tetrachloride	ug/L	<0.50	50	50	50	50	58.4	59.8	117	120	70-138	2	20
Chlorobenzene	ug/L	<0.50	50	50	50	50	49.6	50.6	99	101	70-130	2	20
Chloroethane	ug/L	<0.37	50	50	50	50	42.6	43.5	85	87	51-130	2	20
Chloroform	ug/L	<2.5	50	50	50	50	45.6	46.8	91	94	70-130	3	20
Chloromethane	ug/L	<0.50	50	50	50	50	44.8	48.2	90	96	25-132	7	20
cis-1,2-Dichloroethene	ug/L	<0.26	50	50	50	50	47.7	48.9	95	98	61-140	2	20
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	50	50	47.0	47.8	94	96	70-130	2	20
Dibromochloromethane	ug/L	<0.50	50	50	50	50	47.8	49.1	96	98	70-130	3	20
Dichlorodifluoromethane	ug/L	<0.22	50	50	50	50	37.4	38.4	75	77	23-130	3	20
Ethylbenzene	ug/L	<0.50	50	50	50	50	53.1	54.1	106	108	70-138	2	20
Isopropylbenzene (Cumene)	ug/L	<0.14	50	50	50	50	53.7	55.5	107	111	70-152	3	20
m&p-Xylene	ug/L	<1.0	100	100	100	100	108	111	108	111	70-140	3	20
Methyl-tert-butyl ether	ug/L	<0.17	50	50	50	50	40.9	42.3	82	85	66-139	4	20
Methylene Chloride	ug/L	<0.23	50	50	50	50	44.7	46.3	89	93	70-130	3	20
o-Xylene	ug/L	<0.50	50	50	50	50	54.1	55.4	108	111	70-134	2	20
Styrene	ug/L	<0.50	50	50	50	50	50.4	51.9	101	104	70-138	3	20
Tetrachloroethene	ug/L	<0.50	50	50	50	50	49.1	50.5	98	101	70-148	3	20
Toluene	ug/L	<0.50	50	50	50	50	52.8	53.8	106	108	70-130	2	20
trans-1,2-Dichloroethene	ug/L	<0.26	50	50	50	50	47.4	48.7	95	97	70-133	3	20
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	50	50	42.2	43.1	84	86	69-130	2	20
Trichloroethene	ug/L	<0.33	50	50	50	50	56.1	57.2	112	114	70-131	2	20
Trichlorofluoromethane	ug/L	<0.18	50	50	50	50	47.8	49.4	96	99	50-150	3	20
Vinyl chloride	ug/L	<0.18	50	50	50	50	49.6	51.5	99	103	49-133	4	20
4-Bromofluorobenzene (S)	%								104	103	70-130		
Dibromofluoromethane (S)	%								105	98	70-130		
Toluene-d8 (S)	%								93	94	70-130		

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: TD BR
Pace Project No.: 40146371

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 and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: TD BR
Pace Project No.: 40146371

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40146371001	MW-11	EPA 8260	249711		
40146371002	MW-12	EPA 8260	249711		
40146371003	MW-13	EPA 8260	249711		
40146371004	MW-16	EPA 8260	249711		
40146371005	MW-19	EPA 8260	249711		
40146371006	MW-402N	EPA 8260	249711		
40146371007	TRIP BLANK	EPA 8260	249711		

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: Environmental Audits Inc.
 Branch/Location: West Allis
 Project Contact: John Ruetz
 Phone: (414) 491-4282
 Project Number: TD BR
 Project Name: W1
 Project State: Stephanie Wagner
 Sampled By (Print):
 Sampled By (Sign):
 PO #: Verbal
 Regulatory Program:



CHAIN OF CUSTODY

UPPER MIDWEST REGION
 MN: 612-907-1700 WI: 920-469-2436
 www.faceanals.com

Filtered? (YES/NO)
 Preservation (CODE):

Y/N	Pick Letter
N	B

Analyses Requested: VOC

PAGE LAB #	CLIENT FIELD ID	DATE	TIME	MATRIX	Data Package Options (billable)		MS/MSD (billable)		Matrix Codes										
					<input type="checkbox"/> EPA Level III	<input type="checkbox"/> EPA Level IV	<input type="checkbox"/> On your sample	<input type="checkbox"/> NOT needed on your sample	A = Air	B = Bids	C = Charcoal	D = Drinking Water	E = Ground Water	F = Surface Water	G = Waste Water	H = Sludge	WP = Wipe		
001	MW-11	3/2/17		GW															
002	MW-12	3/2/17																	
003	MW-13	3/2/17																	
004	MW-16	3/2/17																	
005	MW-19	3/2/17																	
006	MW-402N	3/2/17																	
007	TRIP BLANK																		

① Sample added to COC by lab per samples received BH 3/4/17

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge)
 Date Needed:
 Relinquished By: [Signature]
 Date/Time: 3/2/17
 Relinquished By: Mary Forman
 Date/Time: 3/13/17
 Relinquished By: [Signature]
 Date/Time: 3/17/17
 Relinquished By: [Signature]
 Date/Time: 3/17/17
 Relinquished By: [Signature]
 Date/Time: 3/17/17

Received By: [Signature]
 Date/Time: 3/13/17
 Received By: [Signature]
 Date/Time: 3/17/17
 Received By: [Signature]
 Date/Time: 3/17/17
 Received By: [Signature]
 Date/Time: 3/17/17

Receipt Temp = ROT °C
 Sample Receipt pH
 Cooler Custody Seal Present/Not Present
 Intact/Not Intact

Quote #: 4040371
 Mail To Contact: John Ruetz
 Mail To Company: Environmental Audits Inc
 11327 W Lincoln Ave
 West Allis WI 53227
 Invoice To Contact: John Ruetz
 Invoice To Company: Environmental Audits
 Invoice To Address: SAME AS ABOVE

Invoice To Phone: (414) 491-4282
 CLIENT COMMENTS: 3-40MVB
 LAB COMMENTS (Lab Use Only): 4-40MVB

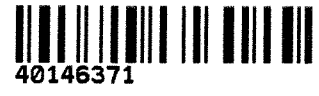


Sample Condition Upon Receipt

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

Project #: WO#: 40146371

Client Name: ENV. Audits INC
Courier: Fed Ex UPS Client Pace Other: CS Logistics
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: NA Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun
Cooler Temperature: Uncorr: ROT /Corr: Biological Tissue is Frozen: yes no
Temp Blank Present: yes no

Person examining contents:
Date: 3/4/17
Initials: BA

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

Comments:

Table with 15 rows of inspection items and checkboxes. Includes items like 'Chain of Custody Present', 'Short Hold Time Analysis', 'Rush Turn Around Time Requested', 'Sample Labels match COC', and 'Trip Blank Present'. Includes handwritten notes and dates.

Client Notification/ Resolution:
Person Contacted: Date/Time:
Comments/ Resolution: 002 will be placed in free product due to matrix 3/4/17

Project Manager Review: [Signature] Date: 3-4-17

March 29, 2017

Ed Raymond
Environmental Audits, Inc
1409 Hillcrest Circle
Racine, WI 53406

RE: Project: TD P3 GW
Pace Project No.: 40147184

Dear Ed Raymond:

Enclosed are the analytical results for sample(s) received by the laboratory on March 24, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Dan Milewsky
dan.milewsky@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: John Ruetz, Environmental Audits Inc



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: TD P3 GW

Pace Project No.: 40147184

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: TD P3 GW
Pace Project No.: 40147184

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40147184001	MW-14	Water	03/22/17 00:00	03/24/17 10:15
40147184002	MW-15	Water	03/22/17 00:00	03/24/17 10:15

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SAMPLE ANALYTE COUNT

Project: TD P3 GW

Pace Project No.: 40147184

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40147184001	MW-14	EPA 8260	HNW	64
40147184002	MW-15	EPA 8260	HNW	64

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TD P3 GW

Pace Project No.: 40147184

Sample: MW-14 **Lab ID: 40147184001** Collected: 03/22/17 00:00 Received: 03/24/17 10:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		03/29/17 02:51	630-20-6	
1,1,1-Trichloroethane	83.9	ug/L	1.0	0.50	1		03/29/17 02:51	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		03/29/17 02:51	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		03/29/17 02:51	79-00-5	
1,1-Dichloroethane	43.5	ug/L	1.0	0.24	1		03/29/17 02:51	75-34-3	
1,1-Dichloroethene	6.3	ug/L	1.0	0.41	1		03/29/17 02:51	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		03/29/17 02:51	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		03/29/17 02:51	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		03/29/17 02:51	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		03/29/17 02:51	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/29/17 02:51	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		03/29/17 02:51	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		03/29/17 02:51	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/29/17 02:51	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		03/29/17 02:51	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		03/29/17 02:51	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/29/17 02:51	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/29/17 02:51	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		03/29/17 02:51	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/29/17 02:51	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		03/29/17 02:51	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		03/29/17 02:51	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		03/29/17 02:51	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		03/29/17 02:51	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		03/29/17 02:51	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		03/29/17 02:51	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		03/29/17 02:51	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		03/29/17 02:51	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		03/29/17 02:51	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		03/29/17 02:51	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		03/29/17 02:51	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		03/29/17 02:51	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		03/29/17 02:51	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		03/29/17 02:51	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		03/29/17 02:51	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		03/29/17 02:51	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		03/29/17 02:51	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		03/29/17 02:51	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		03/29/17 02:51	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		03/29/17 02:51	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		03/29/17 02:51	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		03/29/17 02:51	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		03/29/17 02:51	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		03/29/17 02:51	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		03/29/17 02:51	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		03/29/17 02:51	127-18-4	

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ANALYTICAL RESULTS

Project: TD P3 GW
Pace Project No.: 40147184

Sample: MW-14 **Lab ID: 40147184001** Collected: 03/22/17 00:00 Received: 03/24/17 10:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Toluene	<0.50	ug/L	1.0	0.50	1		03/29/17 02:51	108-88-3	
Trichloroethene	5.6	ug/L	1.0	0.33	1		03/29/17 02:51	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		03/29/17 02:51	75-69-4	
Vinyl chloride	0.20J	ug/L	1.0	0.18	1		03/29/17 02:51	75-01-4	
cis-1,2-Dichloroethene	6.1	ug/L	1.0	0.26	1		03/29/17 02:51	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		03/29/17 02:51	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		03/29/17 02:51	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		03/29/17 02:51	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		03/29/17 02:51	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		03/29/17 02:51	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		03/29/17 02:51	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		03/29/17 02:51	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		03/29/17 02:51	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		03/29/17 02:51	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		03/29/17 02:51	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		03/29/17 02:51	460-00-4	
Dibromofluoromethane (S)	111	%	70-130		1		03/29/17 02:51	1868-53-7	
Toluene-d8 (S)	91	%	70-130		1		03/29/17 02:51	2037-26-5	

Sample: MW-15 **Lab ID: 40147184002** Collected: 03/22/17 00:00 Received: 03/24/17 10:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		03/28/17 10:12	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		03/28/17 10:12	71-55-6	
1,1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		03/28/17 10:12	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		03/28/17 10:12	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		03/28/17 10:12	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		03/28/17 10:12	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		03/28/17 10:12	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		03/28/17 10:12	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		03/28/17 10:12	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		03/28/17 10:12	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/28/17 10:12	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		03/28/17 10:12	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		03/28/17 10:12	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/28/17 10:12	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		03/28/17 10:12	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		03/28/17 10:12	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/28/17 10:12	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/28/17 10:12	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		03/28/17 10:12	142-28-9	

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ANALYTICAL RESULTS

Project: TD P3 GW
Pace Project No.: 40147184

Sample: MW-15 **Lab ID: 40147184002** Collected: 03/22/17 00:00 Received: 03/24/17 10:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/28/17 10:12	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		03/28/17 10:12	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		03/28/17 10:12	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		03/28/17 10:12	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		03/28/17 10:12	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		03/28/17 10:12	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		03/28/17 10:12	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		03/28/17 10:12	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		03/28/17 10:12	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		03/28/17 10:12	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		03/28/17 10:12	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		03/28/17 10:12	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		03/28/17 10:12	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		03/28/17 10:12	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		03/28/17 10:12	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		03/28/17 10:12	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		03/28/17 10:12	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		03/28/17 10:12	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		03/28/17 10:12	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		03/28/17 10:12	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		03/28/17 10:12	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		03/28/17 10:12	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		03/28/17 10:12	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		03/28/17 10:12	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		03/28/17 10:12	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		03/28/17 10:12	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		03/28/17 10:12	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		03/28/17 10:12	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		03/28/17 10:12	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		03/28/17 10:12	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		03/28/17 10:12	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		03/28/17 10:12	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		03/28/17 10:12	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		03/28/17 10:12	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		03/28/17 10:12	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		03/28/17 10:12	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		03/28/17 10:12	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		03/28/17 10:12	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		03/28/17 10:12	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		03/28/17 10:12	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		03/28/17 10:12	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		03/28/17 10:12	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		03/28/17 10:12	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		1		03/28/17 10:12	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		03/28/17 10:12	2037-26-5	

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QUALITY CONTROL DATA

Project: TD P3 GW
Pace Project No.: 40147184

QC Batch: 251059 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40147184001, 40147184002

METHOD BLANK: 1481993 Matrix: Water
Associated Lab Samples: 40147184001, 40147184002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	03/28/17 07:32	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	03/28/17 07:32	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	03/28/17 07:32	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	03/28/17 07:32	
1,1-Dichloroethane	ug/L	<0.24	1.0	03/28/17 07:32	
1,1-Dichloroethene	ug/L	<0.41	1.0	03/28/17 07:32	
1,1-Dichloropropene	ug/L	<0.44	1.0	03/28/17 07:32	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	03/28/17 07:32	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	03/28/17 07:32	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	03/28/17 07:32	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	03/28/17 07:32	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	03/28/17 07:32	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	03/28/17 07:32	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	03/28/17 07:32	
1,2-Dichloroethane	ug/L	<0.17	1.0	03/28/17 07:32	
1,2-Dichloropropane	ug/L	<0.23	1.0	03/28/17 07:32	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	03/28/17 07:32	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	03/28/17 07:32	
1,3-Dichloropropane	ug/L	<0.50	1.0	03/28/17 07:32	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	03/28/17 07:32	
2,2-Dichloropropane	ug/L	<0.48	1.0	03/28/17 07:32	
2-Chlorotoluene	ug/L	<0.50	1.0	03/28/17 07:32	
4-Chlorotoluene	ug/L	<0.21	1.0	03/28/17 07:32	
Benzene	ug/L	<0.50	1.0	03/28/17 07:32	
Bromobenzene	ug/L	<0.23	1.0	03/28/17 07:32	
Bromochloromethane	ug/L	<0.34	1.0	03/28/17 07:32	
Bromodichloromethane	ug/L	<0.50	1.0	03/28/17 07:32	
Bromoform	ug/L	<0.50	1.0	03/28/17 07:32	
Bromomethane	ug/L	<2.4	5.0	03/28/17 07:32	
Carbon tetrachloride	ug/L	<0.50	1.0	03/28/17 07:32	
Chlorobenzene	ug/L	<0.50	1.0	03/28/17 07:32	
Chloroethane	ug/L	<0.37	1.0	03/28/17 07:32	
Chloroform	ug/L	<2.5	5.0	03/28/17 07:32	
Chloromethane	ug/L	<0.50	1.0	03/28/17 07:32	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	03/28/17 07:32	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	03/28/17 07:32	
Dibromochloromethane	ug/L	<0.50	1.0	03/28/17 07:32	
Dibromomethane	ug/L	<0.43	1.0	03/28/17 07:32	
Dichlorodifluoromethane	ug/L	<0.22	1.0	03/28/17 07:32	
Diisopropyl ether	ug/L	<0.50	1.0	03/28/17 07:32	
Ethylbenzene	ug/L	<0.50	1.0	03/28/17 07:32	

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

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QUALITY CONTROL DATA

Project: TD P3 GW
Pace Project No.: 40147184

METHOD BLANK: 1481993 Matrix: Water
Associated Lab Samples: 40147184001, 40147184002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	03/28/17 07:32	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	03/28/17 07:32	
m&p-Xylene	ug/L	<1.0	2.0	03/28/17 07:32	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	03/28/17 07:32	
Methylene Chloride	ug/L	<0.23	1.0	03/28/17 07:32	
n-Butylbenzene	ug/L	<0.50	1.0	03/28/17 07:32	
n-Propylbenzene	ug/L	<0.50	1.0	03/28/17 07:32	
Naphthalene	ug/L	<2.5	5.0	03/28/17 07:32	
o-Xylene	ug/L	<0.50	1.0	03/28/17 07:32	
p-Isopropyltoluene	ug/L	<0.50	1.0	03/28/17 07:32	
sec-Butylbenzene	ug/L	<2.2	5.0	03/28/17 07:32	
Styrene	ug/L	<0.50	1.0	03/28/17 07:32	
tert-Butylbenzene	ug/L	<0.18	1.0	03/28/17 07:32	
Tetrachloroethene	ug/L	<0.50	1.0	03/28/17 07:32	
Toluene	ug/L	<0.50	1.0	03/28/17 07:32	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	03/28/17 07:32	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	03/28/17 07:32	
Trichloroethene	ug/L	<0.33	1.0	03/28/17 07:32	
Trichlorofluoromethane	ug/L	<0.18	1.0	03/28/17 07:32	
Vinyl chloride	ug/L	<0.18	1.0	03/28/17 07:32	
4-Bromofluorobenzene (S)	%	99	70-130	03/28/17 07:32	
Dibromofluoromethane (S)	%	111	70-130	03/28/17 07:32	
Toluene-d8 (S)	%	92	70-130	03/28/17 07:32	

LABORATORY CONTROL SAMPLE: 1481994

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	57.1	114	70-131	
1,1,2,2-Tetrachloroethane	ug/L	50	43.7	87	67-130	
1,1,2-Trichloroethane	ug/L	50	48.2	96	70-130	
1,1-Dichloroethane	ug/L	50	49.7	99	70-133	
1,1-Dichloroethene	ug/L	50	50.8	102	70-130	
1,2,4-Trichlorobenzene	ug/L	50	47.0	94	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	41.2	82	50-150	
1,2-Dibromoethane (EDB)	ug/L	50	48.4	97	70-130	
1,2-Dichlorobenzene	ug/L	50	47.2	94	70-130	
1,2-Dichloroethane	ug/L	50	50.6	101	70-130	
1,2-Dichloropropane	ug/L	50	50.2	100	70-130	
1,3-Dichlorobenzene	ug/L	50	47.8	96	70-130	
1,4-Dichlorobenzene	ug/L	50	48.2	96	70-130	
Benzene	ug/L	50	50.6	101	60-135	
Bromodichloromethane	ug/L	50	53.1	106	70-130	
Bromoform	ug/L	50	48.1	96	70-130	
Bromomethane	ug/L	50	29.6	59	33-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TD P3 GW
Pace Project No.: 40147184

LABORATORY CONTROL SAMPLE: 1481994

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	54.6	109	70-138	
Chlorobenzene	ug/L	50	49.6	99	70-130	
Chloroethane	ug/L	50	37.3	75	51-130	
Chloroform	ug/L	50	52.4	105	70-130	
Chloromethane	ug/L	50	26.6	53	25-132	
cis-1,2-Dichloroethene	ug/L	50	52.8	106	69-130	
cis-1,3-Dichloropropene	ug/L	50	47.6	95	70-130	
Dibromochloromethane	ug/L	50	48.6	97	70-130	
Dichlorodifluoromethane	ug/L	50	17.7	35	23-130	
Ethylbenzene	ug/L	50	51.1	102	70-136	
Isopropylbenzene (Cumene)	ug/L	50	51.1	102	70-140	
m&p-Xylene	ug/L	100	103	103	70-138	
Methyl-tert-butyl ether	ug/L	50	47.1	94	66-138	
Methylene Chloride	ug/L	50	49.1	98	70-130	
o-Xylene	ug/L	50	49.9	100	70-134	
Styrene	ug/L	50	50.3	101	70-133	
Tetrachloroethene	ug/L	50	51.4	103	70-138	
Toluene	ug/L	50	50.2	100	70-130	
trans-1,2-Dichloroethene	ug/L	50	51.1	102	70-131	
trans-1,3-Dichloropropene	ug/L	50	41.8	84	69-130	
Trichloroethene	ug/L	50	54.5	109	70-130	
Trichlorofluoromethane	ug/L	50	55.7	111	50-150	
Vinyl chloride	ug/L	50	37.8	76	49-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Dibromofluoromethane (S)	%			114	70-130	
Toluene-d8 (S)	%			93	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1482101 1482102

Parameter	Units	40147184002		MSD		MSD		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result								
1,1,1-Trichloroethane	ug/L	<0.50	50	50	60.3	55.8	121	112	70-134	8	20			
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	44.9	44.9	90	90	67-130	0	20			
1,1,2-Trichloroethane	ug/L	<0.20	50	50	50.0	48.4	100	97	70-130	3	20			
1,1-Dichloroethane	ug/L	<0.24	50	50	53.7	50.1	107	100	70-134	7	20			
1,1-Dichloroethene	ug/L	<0.41	50	50	60.3	55.7	121	111	68-136	8	20			
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	48.2	46.4	96	93	62-139	4	20			
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	43.6	43.9	87	88	50-150	1	20			
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	50.9	49.0	102	98	70-130	4	20			
1,2-Dichlorobenzene	ug/L	<0.50	50	50	48.1	46.6	96	93	70-130	3	20			
1,2-Dichloroethane	ug/L	<0.17	50	50	53.8	49.9	108	100	70-130	7	20			
1,2-Dichloropropane	ug/L	<0.23	50	50	52.0	49.1	104	98	70-130	6	20			
1,3-Dichlorobenzene	ug/L	<0.50	50	50	48.6	46.6	97	93	70-131	4	20			
1,4-Dichlorobenzene	ug/L	<0.50	50	50	48.8	47.1	98	94	70-130	3	20			

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QUALITY CONTROL DATA

Project: TD P3 GW
Pace Project No.: 40147184

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1482101		1482102		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		40147184002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Benzene	ug/L	<0.50	50	50	54.4	50.6	109	101	57-138	7	20		
Bromodichloromethane	ug/L	<0.50	50	50	55.0	51.7	110	103	70-130	6	20		
Bromoform	ug/L	<0.50	50	50	50.1	48.2	100	96	70-130	4	20		
Bromomethane	ug/L	<2.4	50	50	46.8	45.7	94	91	33-130	2	27		
Carbon tetrachloride	ug/L	<0.50	50	50	59.3	54.6	119	109	70-138	8	20		
Chlorobenzene	ug/L	<0.50	50	50	51.2	48.9	102	98	70-130	5	20		
Chloroethane	ug/L	<0.37	50	50	48.4	45.7	97	91	51-130	6	20		
Chloroform	ug/L	<2.5	50	50	56.0	51.8	112	104	70-130	8	20		
Chloromethane	ug/L	<0.50	50	50	50.8	48.6	102	97	25-132	4	20		
cis-1,2-Dichloroethene	ug/L	<0.26	50	50	56.8	52.8	114	106	61-140	7	20		
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	49.6	46.9	99	94	70-130	6	20		
Dibromochloromethane	ug/L	<0.50	50	50	51.0	48.9	102	98	70-130	4	20		
Dichlorodifluoromethane	ug/L	<0.22	50	50	62.5	57.6	125	115	23-130	8	20		
Ethylbenzene	ug/L	<0.50	50	50	52.7	50.7	105	101	70-138	4	20		
Isopropylbenzene (Cumene)	ug/L	<0.14	50	50	52.7	50.4	105	101	70-152	4	20		
m&p-Xylene	ug/L	<1.0	100	100	106	101	106	101	70-140	4	20		
Methyl-tert-butyl ether	ug/L	<0.17	50	50	51.0	48.0	102	96	66-139	6	20		
Methylene Chloride	ug/L	<0.23	50	50	53.9	50.0	108	100	70-130	7	20		
o-Xylene	ug/L	<0.50	50	50	51.6	49.4	103	99	70-134	4	20		
Styrene	ug/L	<0.50	50	50	51.9	49.4	104	99	70-138	5	20		
Tetrachloroethene	ug/L	<0.50	50	50	54.2	51.5	108	103	70-148	5	20		
Toluene	ug/L	<0.50	50	50	51.9	49.8	104	100	70-130	4	20		
trans-1,2-Dichloroethene	ug/L	<0.26	50	50	56.8	52.8	114	106	70-133	7	20		
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	43.8	42.1	88	84	69-130	4	20		
Trichloroethene	ug/L	<0.33	50	50	57.9	54.3	116	109	70-131	6	20		
Trichlorofluoromethane	ug/L	<0.18	50	50	68.5	63.2	137	126	50-150	8	20		
Vinyl chloride	ug/L	<0.18	50	50	60.3	56.3	121	113	49-133	7	20		
4-Bromofluorobenzene (S)	%						100	101	70-130				
Dibromofluoromethane (S)	%						115	112	70-130				
Toluene-d8 (S)	%						93	94	70-130				

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: TD P3 GW

Pace Project No.: 40147184

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 and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: TD P3 GW
Pace Project No.: 40147184

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40147184001	MW-14	EPA 8260	251059		
40147184002	MW-15	EPA 8260	251059		

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CHAIN-OF-CUSTODY / Analytical Request Document
The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information: **Section B** Required Project Information: **Section C** Invoice Information:

Company:	Environmental Audits Inc.	Report To:	jruezt@yahoo.com	Attention:	John Ruetz
Address:	11327 W Lincoln Avenue West Allis WI 53051	Copy To:	geirrl@wi.rr.com; john@environmentalaudits.net	Company Name:	Environmental Audits Inc.
Email To:	john@environmentalaudits.net	Purchase Order No.:	Verbal	Address:	11327 W Lincoln Avenue
Phone:	414-226-5563	Project Name:	TD P3 GW	Pace Quote Reference:	
Requested Due Date/TAT:		Project Number:		Pace Project Manager:	
				Pace Profile #:	

ITEM #	Valid Matrix Codes		COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)
	MATRIX CODE	(see valid codes to left)	DATE	TIME						
1	DDI	MW - 14	3/22/17	3:22/17	3	Unpreserved		VOC	Y	
2	DDI	MW - 15	3/22/17	3:22/17	3	H ₂ SO ₄				
3						HNO ₃				
4						HCl				
5						NaOH				
6						Na ₂ S ₂ O ₃				
7						Methanol				
8						Other				
9										
10										
11										
12										

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Stephanie Wagner	3/22/17		Mary Farnous	3/23/17	11:55
<i>Mary Farnous</i>	3/23/17	12:20	<i>Maxime Kumpf</i>	3/24	12:15

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER:	Stephanie Wagner	DATE Signed	3/22/17
SIGNATURE of SAMPLER:	<i>[Signature]</i>	DATE Signed	3/22/17

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Y	Y	Y

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Sample Condition Upon Receipt

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



Project #:

WO#: 40147184

Client Name: Environmental Audits



Courier: Fed Ex UPS Client Pace Other: CS Logistics

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

Cooler Temperature: Uncorr: RDI /Corr: _____ Biological Tissue is Frozen: yes no

Temp Blank Present: yes no no

Person examining contents:
Date: 3-24-17
Initials: mm

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. no collect time mm 3/24/17
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3. no time 12A 3/24/17
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>W</u>		
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. <input type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> NaOH +ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
exceptions: (VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER: _____)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed
		Lab Std #ID of preservative
		Date/Time:
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	14.
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution:

If checked, see attached form for additional comments

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: AMM for DM

Date: 3/24/17

June 23, 2017

Ed Raymond
Environmental Audits, Inc
1409 Hillcrest Circle
Racine, WI 53406

RE: Project: TD BROACH
Pace Project No.: 40151930

Dear Ed Raymond:

Enclosed are the analytical results for sample(s) received by the laboratory on June 20, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Dan Milewsky
dan.milewsky@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: John Ruetz, Environmental Audits Inc



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: TD BROACH

Pace Project No.: 40151930

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: TD BROACH

Pace Project No.: 40151930

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40151930001	MW-1	Water	06/16/17 00:00	06/20/17 11:48
40151930002	MW-2	Water	06/16/17 00:00	06/20/17 11:48
40151930003	MW-6	Water	06/16/17 00:00	06/20/17 11:48
40151930004	MW-7	Water	06/16/17 00:00	06/20/17 11:48
40151930005	MW-9	Water	06/16/17 00:00	06/20/17 11:48
40151930006	MW-17	Water	06/16/17 00:00	06/20/17 11:48
40151930007	MW-22	Water	06/16/17 00:00	06/20/17 11:48
40151930008	MW-23	Water	06/16/17 00:00	06/20/17 11:48
40151930009	MW-24	Water	06/16/17 00:00	06/20/17 11:48
40151930010	MW-25	Water	06/16/17 00:00	06/20/17 11:48
40151930011	TRIP BLANK	Water	06/16/17 00:00	06/20/17 11:48

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SAMPLE ANALYTE COUNT

Project: TD BROACH

Pace Project No.: 40151930

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40151930001	MW-1	EPA 8260	LAP	64
40151930002	MW-2	EPA 8260	LAP	64
40151930003	MW-6	EPA 8260	LAP	64
40151930004	MW-7	EPA 8260	LAP	64
40151930005	MW-9	EPA 8260	LAP	64
40151930006	MW-17	EPA 8260	LAP	64
40151930007	MW-22	EPA 8260	LAP	64
40151930008	MW-23	EPA 8260	LAP	64
40151930009	MW-24	EPA 8260	LAP	64
40151930010	MW-25	EPA 8260	LAP	64
40151930011	TRIP BLANK	EPA 8260	LAP	64

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ANALYTICAL RESULTS

Project: TD BROACH

Pace Project No.: 40151930

Sample: MW-1 **Lab ID: 40151930001** Collected: 06/16/17 00:00 Received: 06/20/17 11:48 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<1.8	ug/L	10.0	1.8	10		06/22/17 12:34	630-20-6	
1,1,1-Trichloroethane	7.1J	ug/L	10.0	5.0	10		06/22/17 12:34	71-55-6	
1,1,2,2-Tetrachloroethane	<2.5	ug/L	10.0	2.5	10		06/22/17 12:34	79-34-5	
1,1,2-Trichloroethane	<2.0	ug/L	10.0	2.0	10		06/22/17 12:34	79-00-5	
1,1-Dichloroethane	70.2	ug/L	10.0	2.4	10		06/22/17 12:34	75-34-3	
1,1-Dichloroethene	<4.1	ug/L	10.0	4.1	10		06/22/17 12:34	75-35-4	
1,1-Dichloropropene	<4.4	ug/L	10.0	4.4	10		06/22/17 12:34	563-58-6	
1,2,3-Trichlorobenzene	<21.3	ug/L	50.0	21.3	10		06/22/17 12:34	87-61-6	
1,2,3-Trichloropropane	<5.0	ug/L	10.0	5.0	10		06/22/17 12:34	96-18-4	
1,2,4-Trichlorobenzene	<22.1	ug/L	50.0	22.1	10		06/22/17 12:34	120-82-1	
1,2,4-Trimethylbenzene	<5.0	ug/L	10.0	5.0	10		06/22/17 12:34	95-63-6	
1,2-Dibromo-3-chloropropane	<21.6	ug/L	50.0	21.6	10		06/22/17 12:34	96-12-8	
1,2-Dibromoethane (EDB)	<1.8	ug/L	10.0	1.8	10		06/22/17 12:34	106-93-4	
1,2-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		06/22/17 12:34	95-50-1	
1,2-Dichloroethane	<1.7	ug/L	10.0	1.7	10		06/22/17 12:34	107-06-2	
1,2-Dichloropropane	<2.3	ug/L	10.0	2.3	10		06/22/17 12:34	78-87-5	
1,3,5-Trimethylbenzene	<5.0	ug/L	10.0	5.0	10		06/22/17 12:34	108-67-8	
1,3-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		06/22/17 12:34	541-73-1	
1,3-Dichloropropane	<5.0	ug/L	10.0	5.0	10		06/22/17 12:34	142-28-9	
1,4-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		06/22/17 12:34	106-46-7	
2,2-Dichloropropane	<4.8	ug/L	10.0	4.8	10		06/22/17 12:34	594-20-7	
2-Chlorotoluene	<5.0	ug/L	10.0	5.0	10		06/22/17 12:34	95-49-8	
4-Chlorotoluene	<2.1	ug/L	10.0	2.1	10		06/22/17 12:34	106-43-4	
Benzene	<5.0	ug/L	10.0	5.0	10		06/22/17 12:34	71-43-2	
Bromobenzene	<2.3	ug/L	10.0	2.3	10		06/22/17 12:34	108-86-1	
Bromochloromethane	<3.4	ug/L	10.0	3.4	10		06/22/17 12:34	74-97-5	
Bromodichloromethane	<5.0	ug/L	10.0	5.0	10		06/22/17 12:34	75-27-4	
Bromoform	<5.0	ug/L	10.0	5.0	10		06/22/17 12:34	75-25-2	
Bromomethane	<24.3	ug/L	50.0	24.3	10		06/22/17 12:34	74-83-9	
Carbon tetrachloride	<5.0	ug/L	10.0	5.0	10		06/22/17 12:34	56-23-5	
Chlorobenzene	<5.0	ug/L	10.0	5.0	10		06/22/17 12:34	108-90-7	
Chloroethane	34.9	ug/L	10.0	3.7	10		06/22/17 12:34	75-00-3	
Chloroform	<25.0	ug/L	50.0	25.0	10		06/22/17 12:34	67-66-3	
Chloromethane	<5.0	ug/L	10.0	5.0	10		06/22/17 12:34	74-87-3	
Dibromochloromethane	<5.0	ug/L	10.0	5.0	10		06/22/17 12:34	124-48-1	
Dibromomethane	<4.3	ug/L	10.0	4.3	10		06/22/17 12:34	74-95-3	
Dichlorodifluoromethane	<2.2	ug/L	10.0	2.2	10		06/22/17 12:34	75-71-8	
Diisopropyl ether	<5.0	ug/L	10.0	5.0	10		06/22/17 12:34	108-20-3	
Ethylbenzene	<5.0	ug/L	10.0	5.0	10		06/22/17 12:34	100-41-4	
Hexachloro-1,3-butadiene	<21.1	ug/L	50.0	21.1	10		06/22/17 12:34	87-68-3	
Isopropylbenzene (Cumene)	<1.4	ug/L	10.0	1.4	10		06/22/17 12:34	98-82-8	
Methyl-tert-butyl ether	<1.7	ug/L	10.0	1.7	10		06/22/17 12:34	1634-04-4	
Methylene Chloride	<2.3	ug/L	10.0	2.3	10		06/22/17 12:34	75-09-2	
Naphthalene	<25.0	ug/L	50.0	25.0	10		06/22/17 12:34	91-20-3	
Styrene	<5.0	ug/L	10.0	5.0	10		06/22/17 12:34	100-42-5	
Tetrachloroethene	<5.0	ug/L	10.0	5.0	10		06/22/17 12:34	127-18-4	

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ANALYTICAL RESULTS

Project: TD BROACH
Pace Project No.: 40151930

Sample: MW-1 Lab ID: 40151930001 Collected: 06/16/17 00:00 Received: 06/20/17 11:48 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Toluene	<5.0	ug/L	10.0	5.0	10		06/22/17 12:34	108-88-3	
Trichloroethene	<3.3	ug/L	10.0	3.3	10		06/22/17 12:34	79-01-6	
Trichlorofluoromethane	<1.8	ug/L	10.0	1.8	10		06/22/17 12:34	75-69-4	
Vinyl chloride	5.3J	ug/L	10.0	1.8	10		06/22/17 12:34	75-01-4	
cis-1,2-Dichloroethene	<2.6	ug/L	10.0	2.6	10		06/22/17 12:34	156-59-2	
cis-1,3-Dichloropropene	<5.0	ug/L	10.0	5.0	10		06/22/17 12:34	10061-01-5	
m&p-Xylene	<10.0	ug/L	20.0	10.0	10		06/22/17 12:34	179601-23-1	
n-Butylbenzene	<5.0	ug/L	10.0	5.0	10		06/22/17 12:34	104-51-8	
n-Propylbenzene	<5.0	ug/L	10.0	5.0	10		06/22/17 12:34	103-65-1	
o-Xylene	<5.0	ug/L	10.0	5.0	10		06/22/17 12:34	95-47-6	
p-Isopropyltoluene	<5.0	ug/L	10.0	5.0	10		06/22/17 12:34	99-87-6	
sec-Butylbenzene	<21.9	ug/L	50.0	21.9	10		06/22/17 12:34	135-98-8	
tert-Butylbenzene	<1.8	ug/L	10.0	1.8	10		06/22/17 12:34	98-06-6	
trans-1,2-Dichloroethene	<2.6	ug/L	10.0	2.6	10		06/22/17 12:34	156-60-5	
trans-1,3-Dichloropropene	<2.3	ug/L	10.0	2.3	10		06/22/17 12:34	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	61-130		10		06/22/17 12:34	460-00-4	D3
Dibromofluoromethane (S)	102	%	67-130		10		06/22/17 12:34	1868-53-7	
Toluene-d8 (S)	99	%	70-130		10		06/22/17 12:34	2037-26-5	

Sample: MW-2 Lab ID: 40151930002 Collected: 06/16/17 00:00 Received: 06/20/17 11:48 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<1.8	ug/L	10.0	1.8	10		06/22/17 12:56	630-20-6	
1,1,1-Trichloroethane	5.3J	ug/L	10.0	5.0	10		06/22/17 12:56	71-55-6	
1,1,1,2,2-Tetrachloroethane	<2.5	ug/L	10.0	2.5	10		06/22/17 12:56	79-34-5	
1,1,2-Trichloroethane	<2.0	ug/L	10.0	2.0	10		06/22/17 12:56	79-00-5	
1,1-Dichloroethane	19.4	ug/L	10.0	2.4	10		06/22/17 12:56	75-34-3	
1,1-Dichloroethene	<4.1	ug/L	10.0	4.1	10		06/22/17 12:56	75-35-4	
1,1-Dichloropropene	<4.4	ug/L	10.0	4.4	10		06/22/17 12:56	563-58-6	
1,2,3-Trichlorobenzene	<21.3	ug/L	50.0	21.3	10		06/22/17 12:56	87-61-6	
1,2,3-Trichloropropane	<5.0	ug/L	10.0	5.0	10		06/22/17 12:56	96-18-4	
1,2,4-Trichlorobenzene	<22.1	ug/L	50.0	22.1	10		06/22/17 12:56	120-82-1	
1,2,4-Trimethylbenzene	<5.0	ug/L	10.0	5.0	10		06/22/17 12:56	95-63-6	
1,2-Dibromo-3-chloropropane	<21.6	ug/L	50.0	21.6	10		06/22/17 12:56	96-12-8	
1,2-Dibromoethane (EDB)	<1.8	ug/L	10.0	1.8	10		06/22/17 12:56	106-93-4	
1,2-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		06/22/17 12:56	95-50-1	
1,2-Dichloroethane	<1.7	ug/L	10.0	1.7	10		06/22/17 12:56	107-06-2	
1,2-Dichloropropane	<2.3	ug/L	10.0	2.3	10		06/22/17 12:56	78-87-5	
1,3,5-Trimethylbenzene	<5.0	ug/L	10.0	5.0	10		06/22/17 12:56	108-67-8	
1,3-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		06/22/17 12:56	541-73-1	
1,3-Dichloropropane	<5.0	ug/L	10.0	5.0	10		06/22/17 12:56	142-28-9	

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ANALYTICAL RESULTS

Project: TD BROACH

Pace Project No.: 40151930

Sample: MW-2 **Lab ID: 40151930002** Collected: 06/16/17 00:00 Received: 06/20/17 11:48 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,4-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		06/22/17 12:56	106-46-7	
2,2-Dichloropropane	<4.8	ug/L	10.0	4.8	10		06/22/17 12:56	594-20-7	
2-Chlorotoluene	<5.0	ug/L	10.0	5.0	10		06/22/17 12:56	95-49-8	
4-Chlorotoluene	<2.1	ug/L	10.0	2.1	10		06/22/17 12:56	106-43-4	
Benzene	<5.0	ug/L	10.0	5.0	10		06/22/17 12:56	71-43-2	
Bromobenzene	<2.3	ug/L	10.0	2.3	10		06/22/17 12:56	108-86-1	
Bromochloromethane	<3.4	ug/L	10.0	3.4	10		06/22/17 12:56	74-97-5	
Bromodichloromethane	<5.0	ug/L	10.0	5.0	10		06/22/17 12:56	75-27-4	
Bromoform	<5.0	ug/L	10.0	5.0	10		06/22/17 12:56	75-25-2	
Bromomethane	<24.3	ug/L	50.0	24.3	10		06/22/17 12:56	74-83-9	
Carbon tetrachloride	<5.0	ug/L	10.0	5.0	10		06/22/17 12:56	56-23-5	
Chlorobenzene	<5.0	ug/L	10.0	5.0	10		06/22/17 12:56	108-90-7	
Chloroethane	13.5	ug/L	10.0	3.7	10		06/22/17 12:56	75-00-3	
Chloroform	<25.0	ug/L	50.0	25.0	10		06/22/17 12:56	67-66-3	
Chloromethane	<5.0	ug/L	10.0	5.0	10		06/22/17 12:56	74-87-3	
Dibromochloromethane	<5.0	ug/L	10.0	5.0	10		06/22/17 12:56	124-48-1	
Dibromomethane	<4.3	ug/L	10.0	4.3	10		06/22/17 12:56	74-95-3	
Dichlorodifluoromethane	<2.2	ug/L	10.0	2.2	10		06/22/17 12:56	75-71-8	
Diisopropyl ether	<5.0	ug/L	10.0	5.0	10		06/22/17 12:56	108-20-3	
Ethylbenzene	<5.0	ug/L	10.0	5.0	10		06/22/17 12:56	100-41-4	
Hexachloro-1,3-butadiene	<21.1	ug/L	50.0	21.1	10		06/22/17 12:56	87-68-3	
Isopropylbenzene (Cumene)	<1.4	ug/L	10.0	1.4	10		06/22/17 12:56	98-82-8	
Methyl-tert-butyl ether	<1.7	ug/L	10.0	1.7	10		06/22/17 12:56	1634-04-4	
Methylene Chloride	<2.3	ug/L	10.0	2.3	10		06/22/17 12:56	75-09-2	
Naphthalene	<25.0	ug/L	50.0	25.0	10		06/22/17 12:56	91-20-3	
Styrene	<5.0	ug/L	10.0	5.0	10		06/22/17 12:56	100-42-5	
Tetrachloroethene	<5.0	ug/L	10.0	5.0	10		06/22/17 12:56	127-18-4	
Toluene	<5.0	ug/L	10.0	5.0	10		06/22/17 12:56	108-88-3	
Trichloroethene	<3.3	ug/L	10.0	3.3	10		06/22/17 12:56	79-01-6	
Trichlorofluoromethane	<1.8	ug/L	10.0	1.8	10		06/22/17 12:56	75-69-4	
Vinyl chloride	<1.8	ug/L	10.0	1.8	10		06/22/17 12:56	75-01-4	
cis-1,2-Dichloroethene	<2.6	ug/L	10.0	2.6	10		06/22/17 12:56	156-59-2	
cis-1,3-Dichloropropene	<5.0	ug/L	10.0	5.0	10		06/22/17 12:56	10061-01-5	
m&p-Xylene	<10.0	ug/L	20.0	10.0	10		06/22/17 12:56	179601-23-1	
n-Butylbenzene	<5.0	ug/L	10.0	5.0	10		06/22/17 12:56	104-51-8	
n-Propylbenzene	<5.0	ug/L	10.0	5.0	10		06/22/17 12:56	103-65-1	
o-Xylene	<5.0	ug/L	10.0	5.0	10		06/22/17 12:56	95-47-6	
p-Isopropyltoluene	<5.0	ug/L	10.0	5.0	10		06/22/17 12:56	99-87-6	
sec-Butylbenzene	<21.9	ug/L	50.0	21.9	10		06/22/17 12:56	135-98-8	
tert-Butylbenzene	<1.8	ug/L	10.0	1.8	10		06/22/17 12:56	98-06-6	
trans-1,2-Dichloroethene	<2.6	ug/L	10.0	2.6	10		06/22/17 12:56	156-60-5	
trans-1,3-Dichloropropene	<2.3	ug/L	10.0	2.3	10		06/22/17 12:56	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	61-130		10		06/22/17 12:56	460-00-4	D3
Dibromofluoromethane (S)	100	%	67-130		10		06/22/17 12:56	1868-53-7	
Toluene-d8 (S)	98	%	70-130		10		06/22/17 12:56	2037-26-5	

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ANALYTICAL RESULTS

Project: TD BROACH

Pace Project No.: 40151930

Sample: MW-6 **Lab ID: 40151930003** Collected: 06/16/17 00:00 Received: 06/20/17 11:48 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<1.8	ug/L	10.0	1.8	10		06/22/17 13:19	630-20-6	
1,1,1-Trichloroethane	<5.0	ug/L	10.0	5.0	10		06/22/17 13:19	71-55-6	
1,1,2,2-Tetrachloroethane	<2.5	ug/L	10.0	2.5	10		06/22/17 13:19	79-34-5	
1,1,2-Trichloroethane	<2.0	ug/L	10.0	2.0	10		06/22/17 13:19	79-00-5	
1,1-Dichloroethane	125	ug/L	10.0	2.4	10		06/22/17 13:19	75-34-3	
1,1-Dichloroethene	<4.1	ug/L	10.0	4.1	10		06/22/17 13:19	75-35-4	
1,1-Dichloropropene	<4.4	ug/L	10.0	4.4	10		06/22/17 13:19	563-58-6	
1,2,3-Trichlorobenzene	<21.3	ug/L	50.0	21.3	10		06/22/17 13:19	87-61-6	
1,2,3-Trichloropropane	<5.0	ug/L	10.0	5.0	10		06/22/17 13:19	96-18-4	
1,2,4-Trichlorobenzene	<22.1	ug/L	50.0	22.1	10		06/22/17 13:19	120-82-1	
1,2,4-Trimethylbenzene	<5.0	ug/L	10.0	5.0	10		06/22/17 13:19	95-63-6	
1,2-Dibromo-3-chloropropane	<21.6	ug/L	50.0	21.6	10		06/22/17 13:19	96-12-8	
1,2-Dibromoethane (EDB)	<1.8	ug/L	10.0	1.8	10		06/22/17 13:19	106-93-4	
1,2-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		06/22/17 13:19	95-50-1	
1,2-Dichloroethane	<1.7	ug/L	10.0	1.7	10		06/22/17 13:19	107-06-2	
1,2-Dichloropropane	<2.3	ug/L	10.0	2.3	10		06/22/17 13:19	78-87-5	
1,3,5-Trimethylbenzene	<5.0	ug/L	10.0	5.0	10		06/22/17 13:19	108-67-8	
1,3-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		06/22/17 13:19	541-73-1	
1,3-Dichloropropane	<5.0	ug/L	10.0	5.0	10		06/22/17 13:19	142-28-9	
1,4-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		06/22/17 13:19	106-46-7	
2,2-Dichloropropane	<4.8	ug/L	10.0	4.8	10		06/22/17 13:19	594-20-7	
2-Chlorotoluene	<5.0	ug/L	10.0	5.0	10		06/22/17 13:19	95-49-8	
4-Chlorotoluene	<2.1	ug/L	10.0	2.1	10		06/22/17 13:19	106-43-4	
Benzene	<5.0	ug/L	10.0	5.0	10		06/22/17 13:19	71-43-2	
Bromobenzene	<2.3	ug/L	10.0	2.3	10		06/22/17 13:19	108-86-1	
Bromochloromethane	<3.4	ug/L	10.0	3.4	10		06/22/17 13:19	74-97-5	
Bromodichloromethane	<5.0	ug/L	10.0	5.0	10		06/22/17 13:19	75-27-4	
Bromoform	<5.0	ug/L	10.0	5.0	10		06/22/17 13:19	75-25-2	
Bromomethane	<24.3	ug/L	50.0	24.3	10		06/22/17 13:19	74-83-9	
Carbon tetrachloride	<5.0	ug/L	10.0	5.0	10		06/22/17 13:19	56-23-5	
Chlorobenzene	<5.0	ug/L	10.0	5.0	10		06/22/17 13:19	108-90-7	
Chloroethane	<3.7	ug/L	10.0	3.7	10		06/22/17 13:19	75-00-3	
Chloroform	<25.0	ug/L	50.0	25.0	10		06/22/17 13:19	67-66-3	
Chloromethane	<5.0	ug/L	10.0	5.0	10		06/22/17 13:19	74-87-3	
Dibromochloromethane	<5.0	ug/L	10.0	5.0	10		06/22/17 13:19	124-48-1	
Dibromomethane	<4.3	ug/L	10.0	4.3	10		06/22/17 13:19	74-95-3	
Dichlorodifluoromethane	<2.2	ug/L	10.0	2.2	10		06/22/17 13:19	75-71-8	
Diisopropyl ether	<5.0	ug/L	10.0	5.0	10		06/22/17 13:19	108-20-3	
Ethylbenzene	<5.0	ug/L	10.0	5.0	10		06/22/17 13:19	100-41-4	
Hexachloro-1,3-butadiene	<21.1	ug/L	50.0	21.1	10		06/22/17 13:19	87-68-3	
Isopropylbenzene (Cumene)	<1.4	ug/L	10.0	1.4	10		06/22/17 13:19	98-82-8	
Methyl-tert-butyl ether	<1.7	ug/L	10.0	1.7	10		06/22/17 13:19	1634-04-4	
Methylene Chloride	<2.3	ug/L	10.0	2.3	10		06/22/17 13:19	75-09-2	
Naphthalene	<25.0	ug/L	50.0	25.0	10		06/22/17 13:19	91-20-3	
Styrene	<5.0	ug/L	10.0	5.0	10		06/22/17 13:19	100-42-5	
Tetrachloroethene	<5.0	ug/L	10.0	5.0	10		06/22/17 13:19	127-18-4	

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ANALYTICAL RESULTS

Project: TD BROACH
Pace Project No.: 40151930

Sample: MW-6 Lab ID: 40151930003 Collected: 06/16/17 00:00 Received: 06/20/17 11:48 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Toluene	<5.0	ug/L	10.0	5.0	10		06/22/17 13:19	108-88-3	
Trichloroethene	<3.3	ug/L	10.0	3.3	10		06/22/17 13:19	79-01-6	
Trichlorofluoromethane	<1.8	ug/L	10.0	1.8	10		06/22/17 13:19	75-69-4	
Vinyl chloride	<1.8	ug/L	10.0	1.8	10		06/22/17 13:19	75-01-4	
cis-1,2-Dichloroethene	<2.6	ug/L	10.0	2.6	10		06/22/17 13:19	156-59-2	
cis-1,3-Dichloropropene	<5.0	ug/L	10.0	5.0	10		06/22/17 13:19	10061-01-5	
m&p-Xylene	<10.0	ug/L	20.0	10.0	10		06/22/17 13:19	179601-23-1	
n-Butylbenzene	<5.0	ug/L	10.0	5.0	10		06/22/17 13:19	104-51-8	
n-Propylbenzene	<5.0	ug/L	10.0	5.0	10		06/22/17 13:19	103-65-1	
o-Xylene	<5.0	ug/L	10.0	5.0	10		06/22/17 13:19	95-47-6	
p-Isopropyltoluene	<5.0	ug/L	10.0	5.0	10		06/22/17 13:19	99-87-6	
sec-Butylbenzene	<21.9	ug/L	50.0	21.9	10		06/22/17 13:19	135-98-8	
tert-Butylbenzene	<1.8	ug/L	10.0	1.8	10		06/22/17 13:19	98-06-6	
trans-1,2-Dichloroethene	<2.6	ug/L	10.0	2.6	10		06/22/17 13:19	156-60-5	
trans-1,3-Dichloropropene	<2.3	ug/L	10.0	2.3	10		06/22/17 13:19	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	61-130		10		06/22/17 13:19	460-00-4	D3
Dibromofluoromethane (S)	101	%	67-130		10		06/22/17 13:19	1868-53-7	
Toluene-d8 (S)	96	%	70-130		10		06/22/17 13:19	2037-26-5	

Sample: MW-7 Lab ID: 40151930004 Collected: 06/16/17 00:00 Received: 06/20/17 11:48 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<1.8	ug/L	10.0	1.8	10		06/22/17 13:42	630-20-6	
1,1,1-Trichloroethane	<5.0	ug/L	10.0	5.0	10		06/22/17 13:42	71-55-6	
1,1,1,2,2-Tetrachloroethane	<2.5	ug/L	10.0	2.5	10		06/22/17 13:42	79-34-5	
1,1,2-Trichloroethane	<2.0	ug/L	10.0	2.0	10		06/22/17 13:42	79-00-5	
1,1-Dichloroethane	5.5J	ug/L	10.0	2.4	10		06/22/17 13:42	75-34-3	
1,1-Dichloroethene	<4.1	ug/L	10.0	4.1	10		06/22/17 13:42	75-35-4	
1,1-Dichloropropene	<4.4	ug/L	10.0	4.4	10		06/22/17 13:42	563-58-6	
1,2,3-Trichlorobenzene	<21.3	ug/L	50.0	21.3	10		06/22/17 13:42	87-61-6	
1,2,3-Trichloropropane	<5.0	ug/L	10.0	5.0	10		06/22/17 13:42	96-18-4	
1,2,4-Trichlorobenzene	<22.1	ug/L	50.0	22.1	10		06/22/17 13:42	120-82-1	
1,2,4-Trimethylbenzene	<5.0	ug/L	10.0	5.0	10		06/22/17 13:42	95-63-6	
1,2-Dibromo-3-chloropropane	<21.6	ug/L	50.0	21.6	10		06/22/17 13:42	96-12-8	
1,2-Dibromoethane (EDB)	<1.8	ug/L	10.0	1.8	10		06/22/17 13:42	106-93-4	
1,2-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		06/22/17 13:42	95-50-1	
1,2-Dichloroethane	<1.7	ug/L	10.0	1.7	10		06/22/17 13:42	107-06-2	
1,2-Dichloropropane	<2.3	ug/L	10.0	2.3	10		06/22/17 13:42	78-87-5	
1,3,5-Trimethylbenzene	<5.0	ug/L	10.0	5.0	10		06/22/17 13:42	108-67-8	
1,3-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		06/22/17 13:42	541-73-1	
1,3-Dichloropropane	<5.0	ug/L	10.0	5.0	10		06/22/17 13:42	142-28-9	

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ANALYTICAL RESULTS

Project: TD BROACH

Pace Project No.: 40151930

Sample: MW-7 **Lab ID: 40151930004** Collected: 06/16/17 00:00 Received: 06/20/17 11:48 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,4-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		06/22/17 13:42	106-46-7	
2,2-Dichloropropane	<4.8	ug/L	10.0	4.8	10		06/22/17 13:42	594-20-7	
2-Chlorotoluene	<5.0	ug/L	10.0	5.0	10		06/22/17 13:42	95-49-8	
4-Chlorotoluene	<2.1	ug/L	10.0	2.1	10		06/22/17 13:42	106-43-4	
Benzene	<5.0	ug/L	10.0	5.0	10		06/22/17 13:42	71-43-2	
Bromobenzene	<2.3	ug/L	10.0	2.3	10		06/22/17 13:42	108-86-1	
Bromochloromethane	<3.4	ug/L	10.0	3.4	10		06/22/17 13:42	74-97-5	
Bromodichloromethane	<5.0	ug/L	10.0	5.0	10		06/22/17 13:42	75-27-4	
Bromoform	<5.0	ug/L	10.0	5.0	10		06/22/17 13:42	75-25-2	
Bromomethane	<24.3	ug/L	50.0	24.3	10		06/22/17 13:42	74-83-9	
Carbon tetrachloride	<5.0	ug/L	10.0	5.0	10		06/22/17 13:42	56-23-5	
Chlorobenzene	<5.0	ug/L	10.0	5.0	10		06/22/17 13:42	108-90-7	
Chloroethane	<3.7	ug/L	10.0	3.7	10		06/22/17 13:42	75-00-3	
Chloroform	<25.0	ug/L	50.0	25.0	10		06/22/17 13:42	67-66-3	
Chloromethane	<5.0	ug/L	10.0	5.0	10		06/22/17 13:42	74-87-3	
Dibromochloromethane	<5.0	ug/L	10.0	5.0	10		06/22/17 13:42	124-48-1	
Dibromomethane	<4.3	ug/L	10.0	4.3	10		06/22/17 13:42	74-95-3	
Dichlorodifluoromethane	<2.2	ug/L	10.0	2.2	10		06/22/17 13:42	75-71-8	
Diisopropyl ether	<5.0	ug/L	10.0	5.0	10		06/22/17 13:42	108-20-3	
Ethylbenzene	<5.0	ug/L	10.0	5.0	10		06/22/17 13:42	100-41-4	
Hexachloro-1,3-butadiene	<21.1	ug/L	50.0	21.1	10		06/22/17 13:42	87-68-3	
Isopropylbenzene (Cumene)	<1.4	ug/L	10.0	1.4	10		06/22/17 13:42	98-82-8	
Methyl-tert-butyl ether	<1.7	ug/L	10.0	1.7	10		06/22/17 13:42	1634-04-4	
Methylene Chloride	<2.3	ug/L	10.0	2.3	10		06/22/17 13:42	75-09-2	
Naphthalene	<25.0	ug/L	50.0	25.0	10		06/22/17 13:42	91-20-3	
Styrene	<5.0	ug/L	10.0	5.0	10		06/22/17 13:42	100-42-5	
Tetrachloroethene	<5.0	ug/L	10.0	5.0	10		06/22/17 13:42	127-18-4	
Toluene	<5.0	ug/L	10.0	5.0	10		06/22/17 13:42	108-88-3	
Trichloroethene	<3.3	ug/L	10.0	3.3	10		06/22/17 13:42	79-01-6	
Trichlorofluoromethane	<1.8	ug/L	10.0	1.8	10		06/22/17 13:42	75-69-4	
Vinyl chloride	<1.8	ug/L	10.0	1.8	10		06/22/17 13:42	75-01-4	
cis-1,2-Dichloroethene	<2.6	ug/L	10.0	2.6	10		06/22/17 13:42	156-59-2	
cis-1,3-Dichloropropene	<5.0	ug/L	10.0	5.0	10		06/22/17 13:42	10061-01-5	
m&p-Xylene	<10.0	ug/L	20.0	10.0	10		06/22/17 13:42	179601-23-1	
n-Butylbenzene	<5.0	ug/L	10.0	5.0	10		06/22/17 13:42	104-51-8	
n-Propylbenzene	<5.0	ug/L	10.0	5.0	10		06/22/17 13:42	103-65-1	
o-Xylene	<5.0	ug/L	10.0	5.0	10		06/22/17 13:42	95-47-6	
p-Isopropyltoluene	<5.0	ug/L	10.0	5.0	10		06/22/17 13:42	99-87-6	
sec-Butylbenzene	<21.9	ug/L	50.0	21.9	10		06/22/17 13:42	135-98-8	
tert-Butylbenzene	<1.8	ug/L	10.0	1.8	10		06/22/17 13:42	98-06-6	
trans-1,2-Dichloroethene	<2.6	ug/L	10.0	2.6	10		06/22/17 13:42	156-60-5	
trans-1,3-Dichloropropene	<2.3	ug/L	10.0	2.3	10		06/22/17 13:42	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	88	%	61-130		10		06/22/17 13:42	460-00-4	D3
Dibromofluoromethane (S)	103	%	67-130		10		06/22/17 13:42	1868-53-7	
Toluene-d8 (S)	96	%	70-130		10		06/22/17 13:42	2037-26-5	

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ANALYTICAL RESULTS

Project: TD BROACH

Pace Project No.: 40151930

Sample: MW-9 **Lab ID: 40151930005** Collected: 06/16/17 00:00 Received: 06/20/17 11:48 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/23/17 09:06	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		06/23/17 09:06	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		06/23/17 09:06	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/23/17 09:06	79-00-5	
1,1-Dichloroethane	1.9	ug/L	1.0	0.24	1		06/23/17 09:06	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		06/23/17 09:06	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/23/17 09:06	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/23/17 09:06	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/23/17 09:06	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/23/17 09:06	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/23/17 09:06	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/23/17 09:06	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/23/17 09:06	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/23/17 09:06	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		06/23/17 09:06	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		06/23/17 09:06	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/23/17 09:06	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/23/17 09:06	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/23/17 09:06	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/23/17 09:06	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/23/17 09:06	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/23/17 09:06	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/23/17 09:06	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		06/23/17 09:06	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/23/17 09:06	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/23/17 09:06	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/23/17 09:06	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/23/17 09:06	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/23/17 09:06	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/23/17 09:06	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/23/17 09:06	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		06/23/17 09:06	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/23/17 09:06	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		06/23/17 09:06	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/23/17 09:06	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/23/17 09:06	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		06/23/17 09:06	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		06/23/17 09:06	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/23/17 09:06	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/23/17 09:06	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/23/17 09:06	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		06/23/17 09:06	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		06/23/17 09:06	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/23/17 09:06	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		06/23/17 09:06	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		06/23/17 09:06	127-18-4	

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ANALYTICAL RESULTS

Project: TD BROACH
Pace Project No.: 40151930

Sample: MW-9 **Lab ID: 40151930005** Collected: 06/16/17 00:00 Received: 06/20/17 11:48 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Toluene	<0.50	ug/L	1.0	0.50	1		06/23/17 09:06	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		06/23/17 09:06	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/23/17 09:06	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		06/23/17 09:06	75-01-4	
cis-1,2-Dichloroethene	1.0	ug/L	1.0	0.26	1		06/23/17 09:06	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/23/17 09:06	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		06/23/17 09:06	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/23/17 09:06	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/23/17 09:06	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		06/23/17 09:06	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/23/17 09:06	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/23/17 09:06	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/23/17 09:06	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/23/17 09:06	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/23/17 09:06	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	61-130		1		06/23/17 09:06	460-00-4	
Dibromofluoromethane (S)	100	%	67-130		1		06/23/17 09:06	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		06/23/17 09:06	2037-26-5	

Sample: MW-17 **Lab ID: 40151930006** Collected: 06/16/17 00:00 Received: 06/20/17 11:48 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/22/17 15:13	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		06/22/17 15:13	71-55-6	
1,1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		06/22/17 15:13	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/22/17 15:13	79-00-5	
1,1-Dichloroethane	0.39J	ug/L	1.0	0.24	1		06/22/17 15:13	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		06/22/17 15:13	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/22/17 15:13	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/22/17 15:13	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/22/17 15:13	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/22/17 15:13	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/22/17 15:13	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/22/17 15:13	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/22/17 15:13	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/22/17 15:13	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		06/22/17 15:13	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		06/22/17 15:13	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/22/17 15:13	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/22/17 15:13	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/22/17 15:13	142-28-9	

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ANALYTICAL RESULTS

Project: TD BROACH

Pace Project No.: 40151930

Sample: MW-17 **Lab ID: 40151930006** Collected: 06/16/17 00:00 Received: 06/20/17 11:48 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/22/17 15:13	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/22/17 15:13	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/22/17 15:13	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/22/17 15:13	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		06/22/17 15:13	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/22/17 15:13	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/22/17 15:13	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/22/17 15:13	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/22/17 15:13	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/22/17 15:13	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/22/17 15:13	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/22/17 15:13	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		06/22/17 15:13	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/22/17 15:13	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		06/22/17 15:13	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/22/17 15:13	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/22/17 15:13	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		06/22/17 15:13	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		06/22/17 15:13	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/22/17 15:13	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/22/17 15:13	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/22/17 15:13	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		06/22/17 15:13	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		06/22/17 15:13	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/22/17 15:13	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		06/22/17 15:13	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		06/22/17 15:13	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		06/22/17 15:13	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		06/22/17 15:13	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/22/17 15:13	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		06/22/17 15:13	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/22/17 15:13	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/22/17 15:13	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		06/22/17 15:13	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/22/17 15:13	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/22/17 15:13	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		06/22/17 15:13	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/22/17 15:13	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/22/17 15:13	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/22/17 15:13	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/22/17 15:13	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/22/17 15:13	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	61-130		1		06/22/17 15:13	460-00-4	
Dibromofluoromethane (S)	104	%	67-130		1		06/22/17 15:13	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		06/22/17 15:13	2037-26-5	

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ANALYTICAL RESULTS

Project: TD BROACH

Pace Project No.: 40151930

Sample: MW-22 **Lab ID: 40151930007** Collected: 06/16/17 00:00 Received: 06/20/17 11:48 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<1.8	ug/L	10.0	1.8	10		06/22/17 14:05	630-20-6	
1,1,1-Trichloroethane	<5.0	ug/L	10.0	5.0	10		06/22/17 14:05	71-55-6	
1,1,2,2-Tetrachloroethane	<2.5	ug/L	10.0	2.5	10		06/22/17 14:05	79-34-5	
1,1,2-Trichloroethane	<2.0	ug/L	10.0	2.0	10		06/22/17 14:05	79-00-5	
1,1-Dichloroethane	<2.4	ug/L	10.0	2.4	10		06/22/17 14:05	75-34-3	
1,1-Dichloroethene	<4.1	ug/L	10.0	4.1	10		06/22/17 14:05	75-35-4	
1,1-Dichloropropene	<4.4	ug/L	10.0	4.4	10		06/22/17 14:05	563-58-6	
1,2,3-Trichlorobenzene	<21.3	ug/L	50.0	21.3	10		06/22/17 14:05	87-61-6	
1,2,3-Trichloropropane	<5.0	ug/L	10.0	5.0	10		06/22/17 14:05	96-18-4	
1,2,4-Trichlorobenzene	<22.1	ug/L	50.0	22.1	10		06/22/17 14:05	120-82-1	
1,2,4-Trimethylbenzene	<5.0	ug/L	10.0	5.0	10		06/22/17 14:05	95-63-6	
1,2-Dibromo-3-chloropropane	<21.6	ug/L	50.0	21.6	10		06/22/17 14:05	96-12-8	
1,2-Dibromoethane (EDB)	<1.8	ug/L	10.0	1.8	10		06/22/17 14:05	106-93-4	
1,2-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		06/22/17 14:05	95-50-1	
1,2-Dichloroethane	<1.7	ug/L	10.0	1.7	10		06/22/17 14:05	107-06-2	
1,2-Dichloropropane	<2.3	ug/L	10.0	2.3	10		06/22/17 14:05	78-87-5	
1,3,5-Trimethylbenzene	<5.0	ug/L	10.0	5.0	10		06/22/17 14:05	108-67-8	
1,3-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		06/22/17 14:05	541-73-1	
1,3-Dichloropropane	<5.0	ug/L	10.0	5.0	10		06/22/17 14:05	142-28-9	
1,4-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		06/22/17 14:05	106-46-7	
2,2-Dichloropropane	<4.8	ug/L	10.0	4.8	10		06/22/17 14:05	594-20-7	
2-Chlorotoluene	<5.0	ug/L	10.0	5.0	10		06/22/17 14:05	95-49-8	
4-Chlorotoluene	<2.1	ug/L	10.0	2.1	10		06/22/17 14:05	106-43-4	
Benzene	<5.0	ug/L	10.0	5.0	10		06/22/17 14:05	71-43-2	
Bromobenzene	<2.3	ug/L	10.0	2.3	10		06/22/17 14:05	108-86-1	
Bromochloromethane	<3.4	ug/L	10.0	3.4	10		06/22/17 14:05	74-97-5	
Bromodichloromethane	<5.0	ug/L	10.0	5.0	10		06/22/17 14:05	75-27-4	
Bromoform	<5.0	ug/L	10.0	5.0	10		06/22/17 14:05	75-25-2	
Bromomethane	<24.3	ug/L	50.0	24.3	10		06/22/17 14:05	74-83-9	
Carbon tetrachloride	<5.0	ug/L	10.0	5.0	10		06/22/17 14:05	56-23-5	
Chlorobenzene	<5.0	ug/L	10.0	5.0	10		06/22/17 14:05	108-90-7	
Chloroethane	<3.7	ug/L	10.0	3.7	10		06/22/17 14:05	75-00-3	
Chloroform	<25.0	ug/L	50.0	25.0	10		06/22/17 14:05	67-66-3	
Chloromethane	<5.0	ug/L	10.0	5.0	10		06/22/17 14:05	74-87-3	
Dibromochloromethane	<5.0	ug/L	10.0	5.0	10		06/22/17 14:05	124-48-1	
Dibromomethane	<4.3	ug/L	10.0	4.3	10		06/22/17 14:05	74-95-3	
Dichlorodifluoromethane	<2.2	ug/L	10.0	2.2	10		06/22/17 14:05	75-71-8	
Diisopropyl ether	<5.0	ug/L	10.0	5.0	10		06/22/17 14:05	108-20-3	
Ethylbenzene	<5.0	ug/L	10.0	5.0	10		06/22/17 14:05	100-41-4	
Hexachloro-1,3-butadiene	<21.1	ug/L	50.0	21.1	10		06/22/17 14:05	87-68-3	
Isopropylbenzene (Cumene)	<1.4	ug/L	10.0	1.4	10		06/22/17 14:05	98-82-8	
Methyl-tert-butyl ether	<1.7	ug/L	10.0	1.7	10		06/22/17 14:05	1634-04-4	
Methylene Chloride	<2.3	ug/L	10.0	2.3	10		06/22/17 14:05	75-09-2	
Naphthalene	<25.0	ug/L	50.0	25.0	10		06/22/17 14:05	91-20-3	
Styrene	<5.0	ug/L	10.0	5.0	10		06/22/17 14:05	100-42-5	
Tetrachloroethene	<5.0	ug/L	10.0	5.0	10		06/22/17 14:05	127-18-4	

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ANALYTICAL RESULTS

Project: TD BROACH
Pace Project No.: 40151930

Sample: MW-22 **Lab ID: 40151930007** Collected: 06/16/17 00:00 Received: 06/20/17 11:48 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Toluene	<5.0	ug/L	10.0	5.0	10		06/22/17 14:05	108-88-3	
Trichloroethene	<3.3	ug/L	10.0	3.3	10		06/22/17 14:05	79-01-6	
Trichlorofluoromethane	<1.8	ug/L	10.0	1.8	10		06/22/17 14:05	75-69-4	
Vinyl chloride	<1.8	ug/L	10.0	1.8	10		06/22/17 14:05	75-01-4	
cis-1,2-Dichloroethene	<2.6	ug/L	10.0	2.6	10		06/22/17 14:05	156-59-2	
cis-1,3-Dichloropropene	<5.0	ug/L	10.0	5.0	10		06/22/17 14:05	10061-01-5	
m&p-Xylene	<10.0	ug/L	20.0	10.0	10		06/22/17 14:05	179601-23-1	
n-Butylbenzene	<5.0	ug/L	10.0	5.0	10		06/22/17 14:05	104-51-8	
n-Propylbenzene	<5.0	ug/L	10.0	5.0	10		06/22/17 14:05	103-65-1	
o-Xylene	<5.0	ug/L	10.0	5.0	10		06/22/17 14:05	95-47-6	
p-Isopropyltoluene	<5.0	ug/L	10.0	5.0	10		06/22/17 14:05	99-87-6	
sec-Butylbenzene	<21.9	ug/L	50.0	21.9	10		06/22/17 14:05	135-98-8	
tert-Butylbenzene	<1.8	ug/L	10.0	1.8	10		06/22/17 14:05	98-06-6	
trans-1,2-Dichloroethene	<2.6	ug/L	10.0	2.6	10		06/22/17 14:05	156-60-5	
trans-1,3-Dichloropropene	<2.3	ug/L	10.0	2.3	10		06/22/17 14:05	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	61-130		10		06/22/17 14:05	460-00-4	D3
Dibromofluoromethane (S)	104	%	67-130		10		06/22/17 14:05	1868-53-7	
Toluene-d8 (S)	99	%	70-130		10		06/22/17 14:05	2037-26-5	

Sample: MW-23 **Lab ID: 40151930008** Collected: 06/16/17 00:00 Received: 06/20/17 11:48 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/22/17 15:36	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		06/22/17 15:36	71-55-6	
1,1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		06/22/17 15:36	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/22/17 15:36	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		06/22/17 15:36	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		06/22/17 15:36	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/22/17 15:36	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/22/17 15:36	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/22/17 15:36	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/22/17 15:36	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/22/17 15:36	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/22/17 15:36	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/22/17 15:36	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/22/17 15:36	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		06/22/17 15:36	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		06/22/17 15:36	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/22/17 15:36	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/22/17 15:36	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/22/17 15:36	142-28-9	

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ANALYTICAL RESULTS

Project: TD BROACH

Pace Project No.: 40151930

Sample: MW-23 Lab ID: 40151930008 Collected: 06/16/17 00:00 Received: 06/20/17 11:48 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/22/17 15:36	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/22/17 15:36	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/22/17 15:36	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/22/17 15:36	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		06/22/17 15:36	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/22/17 15:36	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/22/17 15:36	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/22/17 15:36	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/22/17 15:36	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/22/17 15:36	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/22/17 15:36	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/22/17 15:36	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		06/22/17 15:36	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/22/17 15:36	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		06/22/17 15:36	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/22/17 15:36	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/22/17 15:36	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		06/22/17 15:36	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		06/22/17 15:36	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/22/17 15:36	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/22/17 15:36	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/22/17 15:36	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		06/22/17 15:36	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		06/22/17 15:36	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/22/17 15:36	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		06/22/17 15:36	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		06/22/17 15:36	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		06/22/17 15:36	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		06/22/17 15:36	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/22/17 15:36	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		06/22/17 15:36	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/22/17 15:36	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/22/17 15:36	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		06/22/17 15:36	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/22/17 15:36	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/22/17 15:36	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		06/22/17 15:36	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/22/17 15:36	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/22/17 15:36	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/22/17 15:36	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/22/17 15:36	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/22/17 15:36	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	61-130		1		06/22/17 15:36	460-00-4	
Dibromofluoromethane (S)	102	%	67-130		1		06/22/17 15:36	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		06/22/17 15:36	2037-26-5	

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ANALYTICAL RESULTS

Project: TD BROACH

Pace Project No.: 40151930

Sample: MW-24 Lab ID: 40151930009 Collected: 06/16/17 00:00 Received: 06/20/17 11:48 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.45	ug/L	2.5	0.45	2.5		06/23/17 09:51	630-20-6	
1,1,1-Trichloroethane	41.3	ug/L	2.5	1.2	2.5		06/23/17 09:51	71-55-6	
1,1,2,2-Tetrachloroethane	<0.62	ug/L	2.5	0.62	2.5		06/23/17 09:51	79-34-5	
1,1,2-Trichloroethane	<0.49	ug/L	2.5	0.49	2.5		06/23/17 09:51	79-00-5	
1,1-Dichloroethane	292	ug/L	2.5	0.60	2.5		06/23/17 09:51	75-34-3	
1,1-Dichloroethene	2.2J	ug/L	2.5	1.0	2.5		06/23/17 09:51	75-35-4	
1,1-Dichloropropene	<1.1	ug/L	2.5	1.1	2.5		06/23/17 09:51	563-58-6	
1,2,3-Trichlorobenzene	<5.3	ug/L	12.5	5.3	2.5		06/23/17 09:51	87-61-6	
1,2,3-Trichloropropane	<1.2	ug/L	2.5	1.2	2.5		06/23/17 09:51	96-18-4	
1,2,4-Trichlorobenzene	<5.5	ug/L	12.5	5.5	2.5		06/23/17 09:51	120-82-1	
1,2,4-Trimethylbenzene	<1.2	ug/L	2.5	1.2	2.5		06/23/17 09:51	95-63-6	
1,2-Dibromo-3-chloropropane	<5.4	ug/L	12.5	5.4	2.5		06/23/17 09:51	96-12-8	
1,2-Dibromoethane (EDB)	<0.44	ug/L	2.5	0.44	2.5		06/23/17 09:51	106-93-4	
1,2-Dichlorobenzene	<1.2	ug/L	2.5	1.2	2.5		06/23/17 09:51	95-50-1	
1,2-Dichloroethane	1.8J	ug/L	2.5	0.42	2.5		06/23/17 09:51	107-06-2	
1,2-Dichloropropane	<0.58	ug/L	2.5	0.58	2.5		06/23/17 09:51	78-87-5	
1,3,5-Trimethylbenzene	<1.2	ug/L	2.5	1.2	2.5		06/23/17 09:51	108-67-8	
1,3-Dichlorobenzene	<1.2	ug/L	2.5	1.2	2.5		06/23/17 09:51	541-73-1	
1,3-Dichloropropane	<1.2	ug/L	2.5	1.2	2.5		06/23/17 09:51	142-28-9	
1,4-Dichlorobenzene	<1.2	ug/L	2.5	1.2	2.5		06/23/17 09:51	106-46-7	
2,2-Dichloropropane	<1.2	ug/L	2.5	1.2	2.5		06/23/17 09:51	594-20-7	
2-Chlorotoluene	<1.2	ug/L	2.5	1.2	2.5		06/23/17 09:51	95-49-8	
4-Chlorotoluene	<0.53	ug/L	2.5	0.53	2.5		06/23/17 09:51	106-43-4	
Benzene	<1.2	ug/L	2.5	1.2	2.5		06/23/17 09:51	71-43-2	
Bromobenzene	<0.58	ug/L	2.5	0.58	2.5		06/23/17 09:51	108-86-1	
Bromochloromethane	<0.85	ug/L	2.5	0.85	2.5		06/23/17 09:51	74-97-5	
Bromodichloromethane	<1.2	ug/L	2.5	1.2	2.5		06/23/17 09:51	75-27-4	
Bromoform	<1.2	ug/L	2.5	1.2	2.5		06/23/17 09:51	75-25-2	
Bromomethane	<6.1	ug/L	12.5	6.1	2.5		06/23/17 09:51	74-83-9	
Carbon tetrachloride	<1.2	ug/L	2.5	1.2	2.5		06/23/17 09:51	56-23-5	
Chlorobenzene	<1.2	ug/L	2.5	1.2	2.5		06/23/17 09:51	108-90-7	
Chloroethane	38.4	ug/L	2.5	0.94	2.5		06/23/17 09:51	75-00-3	
Chloroform	<6.2	ug/L	12.5	6.2	2.5		06/23/17 09:51	67-66-3	
Chloromethane	<1.2	ug/L	2.5	1.2	2.5		06/23/17 09:51	74-87-3	
Dibromochloromethane	<1.2	ug/L	2.5	1.2	2.5		06/23/17 09:51	124-48-1	
Dibromomethane	<1.1	ug/L	2.5	1.1	2.5		06/23/17 09:51	74-95-3	
Dichlorodifluoromethane	<0.56	ug/L	2.5	0.56	2.5		06/23/17 09:51	75-71-8	
Diisopropyl ether	<1.2	ug/L	2.5	1.2	2.5		06/23/17 09:51	108-20-3	
Ethylbenzene	<1.2	ug/L	2.5	1.2	2.5		06/23/17 09:51	100-41-4	
Hexachloro-1,3-butadiene	<5.3	ug/L	12.5	5.3	2.5		06/23/17 09:51	87-68-3	
Isopropylbenzene (Cumene)	<0.36	ug/L	2.5	0.36	2.5		06/23/17 09:51	98-82-8	
Methyl-tert-butyl ether	<0.44	ug/L	2.5	0.44	2.5		06/23/17 09:51	1634-04-4	
Methylene Chloride	1.6J	ug/L	2.5	0.58	2.5		06/23/17 09:51	75-09-2	
Naphthalene	<6.2	ug/L	12.5	6.2	2.5		06/23/17 09:51	91-20-3	
Styrene	<1.2	ug/L	2.5	1.2	2.5		06/23/17 09:51	100-42-5	
Tetrachloroethene	<1.2	ug/L	2.5	1.2	2.5		06/23/17 09:51	127-18-4	

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ANALYTICAL RESULTS

Project: TD BROACH
Pace Project No.: 40151930

Sample: MW-24 **Lab ID: 40151930009** Collected: 06/16/17 00:00 Received: 06/20/17 11:48 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Toluene	<1.2	ug/L	2.5	1.2	2.5		06/23/17 09:51	108-88-3	
Trichloroethene	<0.83	ug/L	2.5	0.83	2.5		06/23/17 09:51	79-01-6	
Trichlorofluoromethane	<0.46	ug/L	2.5	0.46	2.5		06/23/17 09:51	75-69-4	
Vinyl chloride	7.7	ug/L	2.5	0.44	2.5		06/23/17 09:51	75-01-4	
cis-1,2-Dichloroethene	<0.64	ug/L	2.5	0.64	2.5		06/23/17 09:51	156-59-2	
cis-1,3-Dichloropropene	<1.2	ug/L	2.5	1.2	2.5		06/23/17 09:51	10061-01-5	
m&p-Xylene	<2.5	ug/L	5.0	2.5	2.5		06/23/17 09:51	179601-23-1	
n-Butylbenzene	<1.2	ug/L	2.5	1.2	2.5		06/23/17 09:51	104-51-8	
n-Propylbenzene	<1.2	ug/L	2.5	1.2	2.5		06/23/17 09:51	103-65-1	
o-Xylene	<1.2	ug/L	2.5	1.2	2.5		06/23/17 09:51	95-47-6	
p-Isopropyltoluene	<1.2	ug/L	2.5	1.2	2.5		06/23/17 09:51	99-87-6	
sec-Butylbenzene	<5.5	ug/L	12.5	5.5	2.5		06/23/17 09:51	135-98-8	
tert-Butylbenzene	<0.45	ug/L	2.5	0.45	2.5		06/23/17 09:51	98-06-6	
trans-1,2-Dichloroethene	<0.64	ug/L	2.5	0.64	2.5		06/23/17 09:51	156-60-5	
trans-1,3-Dichloropropene	<0.57	ug/L	2.5	0.57	2.5		06/23/17 09:51	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	61-130		2.5		06/23/17 09:51	460-00-4	
Dibromofluoromethane (S)	103	%	67-130		2.5		06/23/17 09:51	1868-53-7	
Toluene-d8 (S)	98	%	70-130		2.5		06/23/17 09:51	2037-26-5	

Sample: MW-25 **Lab ID: 40151930010** Collected: 06/16/17 00:00 Received: 06/20/17 11:48 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/23/17 09:28	630-20-6	
1,1,1-Trichloroethane	6.3	ug/L	1.0	0.50	1		06/23/17 09:28	71-55-6	
1,1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		06/23/17 09:28	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/23/17 09:28	79-00-5	
1,1-Dichloroethane	122	ug/L	1.0	0.24	1		06/23/17 09:28	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		06/23/17 09:28	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/23/17 09:28	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/23/17 09:28	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/23/17 09:28	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/23/17 09:28	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/23/17 09:28	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/23/17 09:28	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/23/17 09:28	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/23/17 09:28	95-50-1	
1,2-Dichloroethane	0.69J	ug/L	1.0	0.17	1		06/23/17 09:28	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		06/23/17 09:28	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/23/17 09:28	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/23/17 09:28	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/23/17 09:28	142-28-9	

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ANALYTICAL RESULTS

Project: TD BROACH

Pace Project No.: 40151930

Sample: MW-25 **Lab ID: 40151930010** Collected: 06/16/17 00:00 Received: 06/20/17 11:48 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/23/17 09:28	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/23/17 09:28	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/23/17 09:28	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/23/17 09:28	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		06/23/17 09:28	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/23/17 09:28	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/23/17 09:28	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/23/17 09:28	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/23/17 09:28	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/23/17 09:28	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/23/17 09:28	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/23/17 09:28	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		06/23/17 09:28	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/23/17 09:28	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		06/23/17 09:28	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/23/17 09:28	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/23/17 09:28	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		06/23/17 09:28	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		06/23/17 09:28	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/23/17 09:28	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/23/17 09:28	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/23/17 09:28	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		06/23/17 09:28	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		06/23/17 09:28	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/23/17 09:28	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		06/23/17 09:28	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		06/23/17 09:28	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		06/23/17 09:28	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		06/23/17 09:28	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/23/17 09:28	75-69-4	
Vinyl chloride	2.2	ug/L	1.0	0.18	1		06/23/17 09:28	75-01-4	
cis-1,2-Dichloroethene	4.8	ug/L	1.0	0.26	1		06/23/17 09:28	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/23/17 09:28	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		06/23/17 09:28	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/23/17 09:28	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/23/17 09:28	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		06/23/17 09:28	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/23/17 09:28	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/23/17 09:28	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/23/17 09:28	98-06-6	
trans-1,2-Dichloroethene	0.63J	ug/L	1.0	0.26	1		06/23/17 09:28	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/23/17 09:28	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	61-130		1		06/23/17 09:28	460-00-4	
Dibromofluoromethane (S)	100	%	67-130		1		06/23/17 09:28	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		06/23/17 09:28	2037-26-5	

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ANALYTICAL RESULTS

Project: TD BROACH

Pace Project No.: 40151930

Sample: TRIP BLANK **Lab ID: 40151930011** Collected: 06/16/17 00:00 Received: 06/20/17 11:48 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/23/17 08:20	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		06/23/17 08:20	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		06/23/17 08:20	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/23/17 08:20	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		06/23/17 08:20	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		06/23/17 08:20	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/23/17 08:20	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/23/17 08:20	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/23/17 08:20	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/23/17 08:20	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/23/17 08:20	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/23/17 08:20	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/23/17 08:20	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/23/17 08:20	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		06/23/17 08:20	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		06/23/17 08:20	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/23/17 08:20	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/23/17 08:20	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/23/17 08:20	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/23/17 08:20	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/23/17 08:20	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/23/17 08:20	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/23/17 08:20	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		06/23/17 08:20	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/23/17 08:20	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/23/17 08:20	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/23/17 08:20	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/23/17 08:20	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/23/17 08:20	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/23/17 08:20	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/23/17 08:20	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		06/23/17 08:20	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/23/17 08:20	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		06/23/17 08:20	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/23/17 08:20	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/23/17 08:20	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		06/23/17 08:20	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		06/23/17 08:20	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/23/17 08:20	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/23/17 08:20	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/23/17 08:20	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		06/23/17 08:20	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		06/23/17 08:20	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/23/17 08:20	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		06/23/17 08:20	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		06/23/17 08:20	127-18-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TD BROACH

Pace Project No.: 40151930

Sample: TRIP BLANK **Lab ID: 40151930011** Collected: 06/16/17 00:00 Received: 06/20/17 11:48 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Toluene	<0.50	ug/L	1.0	0.50	1		06/23/17 08:20	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		06/23/17 08:20	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/23/17 08:20	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		06/23/17 08:20	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/23/17 08:20	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/23/17 08:20	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		06/23/17 08:20	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/23/17 08:20	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/23/17 08:20	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		06/23/17 08:20	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/23/17 08:20	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/23/17 08:20	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/23/17 08:20	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/23/17 08:20	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/23/17 08:20	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	61-130		1		06/23/17 08:20	460-00-4	
Dibromofluoromethane (S)	103	%	67-130		1		06/23/17 08:20	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		06/23/17 08:20	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TD BROACH
Pace Project No.: 40151930

QC Batch: 259258 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40151930001, 40151930002, 40151930003, 40151930004, 40151930005, 40151930006, 40151930007, 40151930008, 40151930009, 40151930010, 40151930011

METHOD BLANK: 1527136 Matrix: Water
Associated Lab Samples: 40151930001, 40151930002, 40151930003, 40151930004, 40151930005, 40151930006, 40151930007, 40151930008, 40151930009, 40151930010, 40151930011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	06/22/17 07:15	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	06/22/17 07:15	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	06/22/17 07:15	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	06/22/17 07:15	
1,1-Dichloroethane	ug/L	<0.24	1.0	06/22/17 07:15	
1,1-Dichloroethene	ug/L	<0.41	1.0	06/22/17 07:15	
1,1-Dichloropropene	ug/L	<0.44	1.0	06/22/17 07:15	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	06/22/17 07:15	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	06/22/17 07:15	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	06/22/17 07:15	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	06/22/17 07:15	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	06/22/17 07:15	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	06/22/17 07:15	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	06/22/17 07:15	
1,2-Dichloroethane	ug/L	<0.17	1.0	06/22/17 07:15	
1,2-Dichloropropane	ug/L	<0.23	1.0	06/22/17 07:15	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	06/22/17 07:15	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	06/22/17 07:15	
1,3-Dichloropropane	ug/L	<0.50	1.0	06/22/17 07:15	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	06/22/17 07:15	
2,2-Dichloropropane	ug/L	<0.48	1.0	06/22/17 07:15	
2-Chlorotoluene	ug/L	<0.50	1.0	06/22/17 07:15	
4-Chlorotoluene	ug/L	<0.21	1.0	06/22/17 07:15	
Benzene	ug/L	<0.50	1.0	06/22/17 07:15	
Bromobenzene	ug/L	<0.23	1.0	06/22/17 07:15	
Bromochloromethane	ug/L	<0.34	1.0	06/22/17 07:15	
Bromodichloromethane	ug/L	<0.50	1.0	06/22/17 07:15	
Bromoform	ug/L	<0.50	1.0	06/22/17 07:15	
Bromomethane	ug/L	<2.4	5.0	06/22/17 07:15	
Carbon tetrachloride	ug/L	<0.50	1.0	06/22/17 07:15	
Chlorobenzene	ug/L	<0.50	1.0	06/22/17 07:15	
Chloroethane	ug/L	<0.37	1.0	06/22/17 07:15	
Chloroform	ug/L	<2.5	5.0	06/22/17 07:15	
Chloromethane	ug/L	<0.50	1.0	06/22/17 07:15	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	06/22/17 07:15	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	06/22/17 07:15	
Dibromochloromethane	ug/L	<0.50	1.0	06/22/17 07:15	
Dibromomethane	ug/L	<0.43	1.0	06/22/17 07:15	
Dichlorodifluoromethane	ug/L	<0.22	1.0	06/22/17 07:15	
Diisopropyl ether	ug/L	<0.50	1.0	06/22/17 07:15	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TD BROACH
Pace Project No.: 40151930

METHOD BLANK: 1527136

Matrix: Water

Associated Lab Samples: 40151930001, 40151930002, 40151930003, 40151930004, 40151930005, 40151930006, 40151930007, 40151930008, 40151930009, 40151930010, 40151930011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.50	1.0	06/22/17 07:15	
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	06/22/17 07:15	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	06/22/17 07:15	
m&p-Xylene	ug/L	<1.0	2.0	06/22/17 07:15	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	06/22/17 07:15	
Methylene Chloride	ug/L	<0.23	1.0	06/22/17 07:15	
n-Butylbenzene	ug/L	<0.50	1.0	06/22/17 07:15	
n-Propylbenzene	ug/L	<0.50	1.0	06/22/17 07:15	
Naphthalene	ug/L	<2.5	5.0	06/22/17 07:15	
o-Xylene	ug/L	<0.50	1.0	06/22/17 07:15	
p-Isopropyltoluene	ug/L	<0.50	1.0	06/22/17 07:15	
sec-Butylbenzene	ug/L	<2.2	5.0	06/22/17 07:15	
Styrene	ug/L	<0.50	1.0	06/22/17 07:15	
tert-Butylbenzene	ug/L	<0.18	1.0	06/22/17 07:15	
Tetrachloroethene	ug/L	<0.50	1.0	06/22/17 07:15	
Toluene	ug/L	<0.50	1.0	06/22/17 07:15	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	06/22/17 07:15	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	06/22/17 07:15	
Trichloroethene	ug/L	<0.33	1.0	06/22/17 07:15	
Trichlorofluoromethane	ug/L	<0.18	1.0	06/22/17 07:15	
Vinyl chloride	ug/L	<0.18	1.0	06/22/17 07:15	
4-Bromofluorobenzene (S)	%	94	61-130	06/22/17 07:15	
Dibromofluoromethane (S)	%	99	67-130	06/22/17 07:15	
Toluene-d8 (S)	%	99	70-130	06/22/17 07:15	

LABORATORY CONTROL SAMPLE: 1527137

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	54.5	109	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	49.7	99	70-130	
1,1,2-Trichloroethane	ug/L	50	53.3	107	70-130	
1,1-Dichloroethane	ug/L	50	50.8	102	71-132	
1,1-Dichloroethene	ug/L	50	53.1	106	75-130	
1,2,4-Trichlorobenzene	ug/L	50	51.0	102	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	45.5	91	63-123	
1,2-Dibromoethane (EDB)	ug/L	50	48.9	98	70-130	
1,2-Dichlorobenzene	ug/L	50	51.9	104	70-130	
1,2-Dichloroethane	ug/L	50	53.8	108	70-131	
1,2-Dichloropropane	ug/L	50	51.7	103	80-120	
1,3-Dichlorobenzene	ug/L	50	52.3	105	70-130	
1,4-Dichlorobenzene	ug/L	50	48.8	98	70-130	
Benzene	ug/L	50	51.3	103	73-145	
Bromodichloromethane	ug/L	50	53.5	107	70-130	

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QUALITY CONTROL DATA

Project: TD BROACH

Pace Project No.: 40151930

LABORATORY CONTROL SAMPLE: 1527137

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/L	50	48.4	97	67-130	
Bromomethane	ug/L	50	39.2	78	26-128	
Carbon tetrachloride	ug/L	50	54.1	108	70-133	
Chlorobenzene	ug/L	50	51.9	104	70-130	
Chloroethane	ug/L	50	54.3	109	58-120	
Chloroform	ug/L	50	51.3	103	80-121	
Chloromethane	ug/L	50	48.3	97	40-127	
cis-1,2-Dichloroethene	ug/L	50	47.3	95	70-130	
cis-1,3-Dichloropropene	ug/L	50	50.6	101	70-130	
Dibromochloromethane	ug/L	50	50.9	102	70-130	
Dichlorodifluoromethane	ug/L	50	57.0	114	20-135	
Ethylbenzene	ug/L	50	54.2	108	87-129	
Isopropylbenzene (Cumene)	ug/L	50	56.1	112	70-130	
m&p-Xylene	ug/L	100	109	109	70-130	
Methyl-tert-butyl ether	ug/L	50	52.5	105	66-143	
Methylene Chloride	ug/L	50	49.6	99	70-130	
o-Xylene	ug/L	50	55.6	111	70-130	
Styrene	ug/L	50	52.4	105	70-130	
Tetrachloroethene	ug/L	50	52.5	105	70-130	
Toluene	ug/L	50	52.7	105	82-130	
trans-1,2-Dichloroethene	ug/L	50	53.1	106	75-132	
trans-1,3-Dichloropropene	ug/L	50	47.7	95	70-130	
Trichloroethene	ug/L	50	52.2	104	70-130	
Trichlorofluoromethane	ug/L	50	58.1	116	76-133	
Vinyl chloride	ug/L	50	54.2	108	57-136	
4-Bromofluorobenzene (S)	%			101	61-130	
Dibromofluoromethane (S)	%			100	67-130	
Toluene-d8 (S)	%			96	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1527138 1527139

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		10392522001 Result	Spike Conc.	Spike Conc.	MS Result							
1,1,1-Trichloroethane	ug/L	ND	50	50	48.2	54.4	96	109	70-134	12	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	47.1	48.9	94	98	70-130	4	20	
1,1,2-Trichloroethane	ug/L	ND	50	50	47.8	54.0	96	108	70-130	12	20	
1,1-Dichloroethane	ug/L	ND	50	50	46.0	51.0	92	102	71-133	10	20	
1,1-Dichloroethene	ug/L	ND	50	50	46.5	53.8	93	108	75-136	14	20	
1,2,4-Trichlorobenzene	ug/L	ND	50	50	47.2	47.9	94	96	70-130	1	20	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	50	43.6	43.3	87	87	63-123	1	20	
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	43.3	48.2	87	96	70-130	11	20	
1,2-Dichlorobenzene	ug/L	ND	50	50	50.4	51.4	101	103	70-130	2	20	
1,2-Dichloroethane	ug/L	ND	50	50	48.9	54.5	98	109	70-131	11	20	
1,2-Dichloropropane	ug/L	ND	50	50	47.9	49.3	96	99	80-120	3	20	

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QUALITY CONTROL DATA

Project: TD BROACH

Pace Project No.: 40151930

Parameter	Units	10392522001		1527138		1527139		% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec						
1,3-Dichlorobenzene	ug/L	ND	50	50	48.3	50.4	97	101	70-130	4	20		
1,4-Dichlorobenzene	ug/L	ND	50	50	50.2	51.6	100	103	70-130	3	20		
Benzene	ug/L	ND	50	50	46.9	52.1	94	104	73-145	10	20		
Bromodichloromethane	ug/L	ND	50	50	47.1	51.4	94	103	70-130	9	20		
Bromoform	ug/L	ND	50	50	44.0	47.5	88	95	67-130	8	20		
Bromomethane	ug/L	ND	50	50	40.6	46.4	81	93	26-129	13	20		
Carbon tetrachloride	ug/L	ND	50	50	49.4	53.7	99	107	70-134	8	20		
Chlorobenzene	ug/L	ND	50	50	48.7	51.0	97	102	70-130	5	20		
Chloroethane	ug/L	ND	50	50	50.2	54.1	100	108	58-120	7	20		
Chloroform	ug/L	ND	50	50	46.0	51.1	92	102	80-121	11	20		
Chloromethane	ug/L	ND	50	50	43.2	47.0	86	94	40-128	9	20		
cis-1,2-Dichloroethene	ug/L	ND	50	50	46.0	45.9	92	92	70-130	0	20		
cis-1,3-Dichloropropene	ug/L	ND	50	50	46.7	50.7	93	101	70-130	8	20		
Dibromochloromethane	ug/L	ND	50	50	48.4	50.4	97	101	70-130	4	20		
Dichlorodifluoromethane	ug/L	ND	50	50	51.2	53.2	102	106	20-146	4	20		
Ethylbenzene	ug/L	ND	50	50	50.2	53.8	100	108	87-129	7	20		
Isopropylbenzene (Cumene)	ug/L	ND	50	50	52.4	55.2	105	110	70-130	5	20		
m&p-Xylene	ug/L	ND	100	100	104	108	104	108	70-130	5	20		
Methyl-tert-butyl ether	ug/L	ND	50	50	48.0	52.9	96	106	66-143	10	20		
Methylene Chloride	ug/L	ND	50	50	45.6	49.9	91	100	70-130	9	20		
o-Xylene	ug/L	ND	50	50	50.8	55.0	102	110	70-130	8	20		
Styrene	ug/L	ND	50	50	48.4	51.9	97	104	70-130	7	20		
Tetrachloroethene	ug/L	ND	50	50	48.7	52.0	97	104	70-130	7	20		
Toluene	ug/L	ND	50	50	48.0	52.6	96	105	82-131	9	20		
trans-1,2-Dichloroethene	ug/L	ND	50	50	49.0	55.1	98	110	75-135	12	20		
trans-1,3-Dichloropropene	ug/L	ND	50	50	43.8	47.2	88	94	70-130	7	20		
Trichloroethene	ug/L	ND	50	50	48.3	51.5	97	103	70-130	6	20		
Trichlorofluoromethane	ug/L	ND	50	50	52.2	56.5	104	113	76-150	8	20		
Vinyl chloride	ug/L	ND	50	50	51.2	54.0	102	108	56-143	5	20		
4-Bromofluorobenzene (S)	%						101	99	61-130				
Dibromofluoromethane (S)	%						101	102	67-130				
Toluene-d8 (S)	%						100	98	70-130				

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

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: TD BROACH

Pace Project No.: 40151930

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 and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: TD BROACH

Pace Project No.: 40151930

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40151930001	MW-1	EPA 8260	259258		
40151930002	MW-2	EPA 8260	259258		
40151930003	MW-6	EPA 8260	259258		
40151930004	MW-7	EPA 8260	259258		
40151930005	MW-9	EPA 8260	259258		
40151930006	MW-17	EPA 8260	259258		
40151930007	MW-22	EPA 8260	259258		
40151930008	MW-23	EPA 8260	259258		
40151930009	MW-24	EPA 8260	259258		
40151930010	MW-25	EPA 8260	259258		
40151930011	TRIP BLANK	EPA 8260	259258		

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(Please Print Clearly)



CHAIN OF CUSTODY

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

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

40151930

Company Name: **ENVIRON AUDITS**
 Branch/Location: **WEST AURIS**
 Project Contact: **JOHN RUSTE**
 Phone: **914-491-4282**
 Project Number: **TD BROCK**
 Project Name: **WI**
 Project State: **WI**
 Sampled By (Print): **JR/BJ/SW**
 Sampled By (Sign): *[Signature]*
 PO #: **1282**
 Regulatory Program: **Regulatory**

EPA Level III
 EPA Level IV
 On your sample (billable)
 NOT needed on your sample

PAGE LAB #	CLIENT FIELD ID	COLLECTION DATE	TIME	MATRIX	Analyses Requested	
					Y/N	Pick Letter
001	MW-1	6/16	AM	GW	N	
002	MW-2				N	
003	MW-6				N	
004	MW-7				N	
005	MW-9				N	
006	MW-17				N	
007	MW-22				N	
008	MW-23				N	
009	MW-24				N	
010	MW-25				N	
011	Trip Blank				N	

Rush Turnaround Time Requested - Prelims
 (Rush TAT subject to approval/surcharge)
 Date Needed: _____
 Transmit Prelim Rush Results by (complete what you want): _____
 Email #1: **John Ruste** Date/Time: **6/19/17 11:30**
 Email #2: **CS Logistics** Date/Time: **6/20/17 0945**
 Telephone: _____ Date/Time: _____
 Fax: _____ Date/Time: _____
 Relinquished By: *[Signature]* Date/Time: **6/19/17 11:00**
 Relinquished By: *[Signature]* Date/Time: **6/19/17 11:30**
 Relinquished By: *[Signature]* Date/Time: **6/20/17 0945**
 Received By: *[Signature]* Date/Time: **6/19/17 11:00**
 Received By: *[Signature]* Date/Time: **6/19/17 11:30**
 Received By: *[Signature]* Date/Time: **6/20/17 0945**
 Received By: _____ Date/Time: _____
 Received By: _____ Date/Time: _____

Quote #: _____
 Mail To Contact: _____
 Mail To Company: _____
 Mail To Address: _____
 Invoice To Contact: _____
 Invoice To Company: _____
 Invoice To Address: _____
 Invoice To Phone: _____
 CLIENT COMMENTS: _____
 LAB COMMENTS (Lab Use Only): **3-40mLVB**
 Profile #: _____
 PACE Project No.: **40151930**
 Receipt Temp = **5** °C
 Sample Receipt pH: _____
 OK / Adjusted
 Cooler Custody Seal Present / Not Present
 Intact / Not Intact

① Trip Blank added to COC by lab. 6-20-17 KR



Sample Condition Upon Receipt

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

Project #:

WO#: 40151930

Client Name: Env. Audits

Courier: Fed Ex UPS Client Pace Other: CS Logistics

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-71 Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 5 /Corr: 5 Biological Tissue is Frozen: yes no

Temp Blank Present: yes no

Person examining contents:
Date: 6-20-17
Initials: KR

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

Comments:

Table with 15 rows and 3 columns: Question, Yes/No/N/A checkboxes, and Comments. Includes items like Chain of Custody Present, Short Hold Time Analysis, and Trip Blank Present.

Client Notification/ Resolution:
Person Contacted: Date/Time:
Comments/ Resolution:

Project Manager Review: AL for DM Date: 6/20/17

September 29, 2016

Ed Raymond
Environmental Audits, Inc
1409 Hillcrest Circle
Racine, WI 53406

RE: Project: TD P3 BR
Pace Project No.: 40138882

Dear Ed Raymond:

Enclosed are the analytical results for sample(s) received by the laboratory on September 23, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Dan Milewsky
dan.milewsky@pacelabs.com
Project Manager

Enclosures

cc: John Ruetz, Environmental Audits Inc



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: TD P3 BR

Pace Project No.: 40138882

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

Virginia VELAP ID: 460263

North Dakota Certification #: R-150

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

US Dept of Agriculture #: S-76505

Virginia VELAP Certification ID: 460263

Virginia VELAP ID: 460263

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

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SAMPLE SUMMARY

Project: TD P3 BR

Pace Project No.: 40138882

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40138882001	MW-11	Water	09/21/16 00:00	09/23/16 10:20
40138882002	MW-12	Water	09/21/16 00:00	09/23/16 10:20
40138882003	MW-13	Water	09/21/16 00:00	09/23/16 10:20
40138882004	MW-14	Water	09/21/16 00:00	09/23/16 10:20
40138882005	MW-15	Water	09/21/16 00:00	09/23/16 10:20
40138882006	MW-16	Water	09/21/16 00:00	09/23/16 10:20
40138882007	MW-19	Water	09/21/16 00:00	09/23/16 10:20
40138882008	MW-402N	Water	09/21/16 00:00	09/23/16 10:20
40138882009	TRIP BLANK	Water	09/21/16 00:00	09/23/16 10:20

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SAMPLE ANALYTE COUNT

Project: TD P3 BR

Pace Project No.: 40138882

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40138882001	MW-11	EPA 8260	HNW	64
40138882002	MW-12	EPA 8260	HNW	64
40138882003	MW-13	EPA 8260	HNW	64
40138882004	MW-14	EPA 8260	HNW	64
40138882005	MW-15	EPA 8260	HNW	64
40138882006	MW-16	EPA 8260	HNW	64
40138882007	MW-19	EPA 8260	HNW	64
40138882008	MW-402N	EPA 8260	HNW	64
40138882009	TRIP BLANK	EPA 8260	KRM	64

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TD P3 BR

Pace Project No.: 40138882

Sample: MW-11 **Lab ID: 40138882001** Collected: 09/21/16 00:00 Received: 09/23/16 10:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.45	ug/L	2.5	0.45	2.5		09/28/16 12:34	630-20-6	
1,1,1-Trichloroethane	<1.2	ug/L	2.5	1.2	2.5		09/28/16 12:34	71-55-6	
1,1,2,2-Tetrachloroethane	<0.62	ug/L	2.5	0.62	2.5		09/28/16 12:34	79-34-5	
1,1,2-Trichloroethane	<0.49	ug/L	2.5	0.49	2.5		09/28/16 12:34	79-00-5	
1,1-Dichloroethane	<0.60	ug/L	2.5	0.60	2.5		09/28/16 12:34	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	2.5	1.0	2.5		09/28/16 12:34	75-35-4	
1,1-Dichloropropene	<1.1	ug/L	2.5	1.1	2.5		09/28/16 12:34	563-58-6	
1,2,3-Trichlorobenzene	<5.3	ug/L	12.5	5.3	2.5		09/28/16 12:34	87-61-6	
1,2,3-Trichloropropane	<1.2	ug/L	2.5	1.2	2.5		09/28/16 12:34	96-18-4	
1,2,4-Trichlorobenzene	<5.5	ug/L	12.5	5.5	2.5		09/28/16 12:34	120-82-1	
1,2,4-Trimethylbenzene	<1.2	ug/L	2.5	1.2	2.5		09/28/16 12:34	95-63-6	
1,2-Dibromo-3-chloropropane	<5.4	ug/L	12.5	5.4	2.5		09/28/16 12:34	96-12-8	
1,2-Dibromoethane (EDB)	<0.44	ug/L	2.5	0.44	2.5		09/28/16 12:34	106-93-4	
1,2-Dichlorobenzene	<1.2	ug/L	2.5	1.2	2.5		09/28/16 12:34	95-50-1	
1,2-Dichloroethane	<0.42	ug/L	2.5	0.42	2.5		09/28/16 12:34	107-06-2	
1,2-Dichloropropane	<0.58	ug/L	2.5	0.58	2.5		09/28/16 12:34	78-87-5	
1,3,5-Trimethylbenzene	<1.2	ug/L	2.5	1.2	2.5		09/28/16 12:34	108-67-8	
1,3-Dichlorobenzene	<1.2	ug/L	2.5	1.2	2.5		09/28/16 12:34	541-73-1	
1,3-Dichloropropane	<1.2	ug/L	2.5	1.2	2.5		09/28/16 12:34	142-28-9	
1,4-Dichlorobenzene	<1.2	ug/L	2.5	1.2	2.5		09/28/16 12:34	106-46-7	
2,2-Dichloropropane	<1.2	ug/L	2.5	1.2	2.5		09/28/16 12:34	594-20-7	
2-Chlorotoluene	<1.2	ug/L	2.5	1.2	2.5		09/28/16 12:34	95-49-8	
4-Chlorotoluene	<0.53	ug/L	2.5	0.53	2.5		09/28/16 12:34	106-43-4	
Benzene	<1.2	ug/L	2.5	1.2	2.5		09/28/16 12:34	71-43-2	
Bromobenzene	<0.58	ug/L	2.5	0.58	2.5		09/28/16 12:34	108-86-1	
Bromochloromethane	<0.85	ug/L	2.5	0.85	2.5		09/28/16 12:34	74-97-5	
Bromodichloromethane	<1.2	ug/L	2.5	1.2	2.5		09/28/16 12:34	75-27-4	
Bromoform	<1.2	ug/L	2.5	1.2	2.5		09/28/16 12:34	75-25-2	
Bromomethane	<6.1	ug/L	12.5	6.1	2.5		09/28/16 12:34	74-83-9	
Carbon tetrachloride	<1.2	ug/L	2.5	1.2	2.5		09/28/16 12:34	56-23-5	
Chlorobenzene	<1.2	ug/L	2.5	1.2	2.5		09/28/16 12:34	108-90-7	
Chloroethane	<0.94	ug/L	2.5	0.94	2.5		09/28/16 12:34	75-00-3	
Chloroform	<6.2	ug/L	12.5	6.2	2.5		09/28/16 12:34	67-66-3	
Chloromethane	<1.2	ug/L	2.5	1.2	2.5		09/28/16 12:34	74-87-3	
Dibromochloromethane	<1.2	ug/L	2.5	1.2	2.5		09/28/16 12:34	124-48-1	
Dibromomethane	<1.1	ug/L	2.5	1.1	2.5		09/28/16 12:34	74-95-3	
Dichlorodifluoromethane	<0.56	ug/L	2.5	0.56	2.5		09/28/16 12:34	75-71-8	
Diisopropyl ether	<1.2	ug/L	2.5	1.2	2.5		09/28/16 12:34	108-20-3	
Ethylbenzene	<1.2	ug/L	2.5	1.2	2.5		09/28/16 12:34	100-41-4	
Hexachloro-1,3-butadiene	<5.3	ug/L	12.5	5.3	2.5		09/28/16 12:34	87-68-3	
Isopropylbenzene (Cumene)	<0.36	ug/L	2.5	0.36	2.5		09/28/16 12:34	98-82-8	
Methyl-tert-butyl ether	<0.44	ug/L	2.5	0.44	2.5		09/28/16 12:34	1634-04-4	
Methylene Chloride	<0.58	ug/L	2.5	0.58	2.5		09/28/16 12:34	75-09-2	
Naphthalene	<6.2	ug/L	12.5	6.2	2.5		09/28/16 12:34	91-20-3	
Styrene	<1.2	ug/L	2.5	1.2	2.5		09/28/16 12:34	100-42-5	
Tetrachloroethene	4.3	ug/L	2.5	1.2	2.5		09/28/16 12:34	127-18-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TD P3 BR
Pace Project No.: 40138882

Sample: MW-11 **Lab ID: 40138882001** Collected: 09/21/16 00:00 Received: 09/23/16 10:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Toluene	<1.2	ug/L	2.5	1.2	2.5		09/28/16 12:34	108-88-3	
Trichloroethene	8.5	ug/L	2.5	0.83	2.5		09/28/16 12:34	79-01-6	
Trichlorofluoromethane	<0.46	ug/L	2.5	0.46	2.5		09/28/16 12:34	75-69-4	
Vinyl chloride	<0.44	ug/L	2.5	0.44	2.5		09/28/16 12:34	75-01-4	
cis-1,2-Dichloroethene	193	ug/L	2.5	0.64	2.5		09/28/16 12:34	156-59-2	
cis-1,3-Dichloropropene	<1.2	ug/L	2.5	1.2	2.5		09/28/16 12:34	10061-01-5	
m&p-Xylene	<2.5	ug/L	5.0	2.5	2.5		09/28/16 12:34	179601-23-1	
n-Butylbenzene	<1.2	ug/L	2.5	1.2	2.5		09/28/16 12:34	104-51-8	
n-Propylbenzene	<1.2	ug/L	2.5	1.2	2.5		09/28/16 12:34	103-65-1	
o-Xylene	<1.2	ug/L	2.5	1.2	2.5		09/28/16 12:34	95-47-6	
p-Isopropyltoluene	<1.2	ug/L	2.5	1.2	2.5		09/28/16 12:34	99-87-6	
sec-Butylbenzene	<5.5	ug/L	12.5	5.5	2.5		09/28/16 12:34	135-98-8	
tert-Butylbenzene	<0.45	ug/L	2.5	0.45	2.5		09/28/16 12:34	98-06-6	
trans-1,2-Dichloroethene	15.4	ug/L	2.5	0.64	2.5		09/28/16 12:34	156-60-5	
trans-1,3-Dichloropropene	<0.57	ug/L	2.5	0.57	2.5		09/28/16 12:34	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	84	%	70-130		2.5		09/28/16 12:34	460-00-4	
Dibromofluoromethane (S)	112	%	70-130		2.5		09/28/16 12:34	1868-53-7	
Toluene-d8 (S)	98	%	70-130		2.5		09/28/16 12:34	2037-26-5	

Sample: MW-12 **Lab ID: 40138882002** Collected: 09/21/16 00:00 Received: 09/23/16 10:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.72	ug/L	4.0	0.72	4		09/28/16 12:56	630-20-6	
1,1,1-Trichloroethane	<2.0	ug/L	4.0	2.0	4		09/28/16 12:56	71-55-6	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	4.0	1.0	4		09/28/16 12:56	79-34-5	
1,1,2-Trichloroethane	<0.79	ug/L	4.0	0.79	4		09/28/16 12:56	79-00-5	
1,1-Dichloroethane	<0.97	ug/L	4.0	0.97	4		09/28/16 12:56	75-34-3	
1,1-Dichloroethene	<1.6	ug/L	4.0	1.6	4		09/28/16 12:56	75-35-4	
1,1-Dichloropropene	<1.8	ug/L	4.0	1.8	4		09/28/16 12:56	563-58-6	
1,2,3-Trichlorobenzene	<8.5	ug/L	20.0	8.5	4		09/28/16 12:56	87-61-6	
1,2,3-Trichloropropane	<2.0	ug/L	4.0	2.0	4		09/28/16 12:56	96-18-4	
1,2,4-Trichlorobenzene	<8.8	ug/L	20.0	8.8	4		09/28/16 12:56	120-82-1	
1,2,4-Trimethylbenzene	<2.0	ug/L	4.0	2.0	4		09/28/16 12:56	95-63-6	
1,2-Dibromo-3-chloropropane	<8.7	ug/L	20.0	8.7	4		09/28/16 12:56	96-12-8	
1,2-Dibromoethane (EDB)	<0.71	ug/L	4.0	0.71	4		09/28/16 12:56	106-93-4	
1,2-Dichlorobenzene	<2.0	ug/L	4.0	2.0	4		09/28/16 12:56	95-50-1	
1,2-Dichloroethane	<0.67	ug/L	4.0	0.67	4		09/28/16 12:56	107-06-2	
1,2-Dichloropropane	<0.93	ug/L	4.0	0.93	4		09/28/16 12:56	78-87-5	
1,3,5-Trimethylbenzene	<2.0	ug/L	4.0	2.0	4		09/28/16 12:56	108-67-8	
1,3-Dichlorobenzene	<2.0	ug/L	4.0	2.0	4		09/28/16 12:56	541-73-1	
1,3-Dichloropropane	<2.0	ug/L	4.0	2.0	4		09/28/16 12:56	142-28-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TD P3 BR

Pace Project No.: 40138882

Sample: MW-12 **Lab ID: 40138882002** Collected: 09/21/16 00:00 Received: 09/23/16 10:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,4-Dichlorobenzene	<2.0	ug/L	4.0	2.0	4		09/28/16 12:56	106-46-7	
2,2-Dichloropropane	<1.9	ug/L	4.0	1.9	4		09/28/16 12:56	594-20-7	
2-Chlorotoluene	<2.0	ug/L	4.0	2.0	4		09/28/16 12:56	95-49-8	
4-Chlorotoluene	<0.85	ug/L	4.0	0.85	4		09/28/16 12:56	106-43-4	
Benzene	<2.0	ug/L	4.0	2.0	4		09/28/16 12:56	71-43-2	
Bromobenzene	<0.92	ug/L	4.0	0.92	4		09/28/16 12:56	108-86-1	
Bromochloromethane	<1.4	ug/L	4.0	1.4	4		09/28/16 12:56	74-97-5	
Bromodichloromethane	<2.0	ug/L	4.0	2.0	4		09/28/16 12:56	75-27-4	
Bromoform	<2.0	ug/L	4.0	2.0	4		09/28/16 12:56	75-25-2	
Bromomethane	<9.7	ug/L	20.0	9.7	4		09/28/16 12:56	74-83-9	
Carbon tetrachloride	<2.0	ug/L	4.0	2.0	4		09/28/16 12:56	56-23-5	
Chlorobenzene	<2.0	ug/L	4.0	2.0	4		09/28/16 12:56	108-90-7	
Chloroethane	<1.5	ug/L	4.0	1.5	4		09/28/16 12:56	75-00-3	
Chloroform	<10.0	ug/L	20.0	10.0	4		09/28/16 12:56	67-66-3	
Chloromethane	<2.0	ug/L	4.0	2.0	4		09/28/16 12:56	74-87-3	
Dibromochloromethane	<2.0	ug/L	4.0	2.0	4		09/28/16 12:56	124-48-1	
Dibromomethane	<1.7	ug/L	4.0	1.7	4		09/28/16 12:56	74-95-3	
Dichlorodifluoromethane	<0.90	ug/L	4.0	0.90	4		09/28/16 12:56	75-71-8	
Diisopropyl ether	<2.0	ug/L	4.0	2.0	4		09/28/16 12:56	108-20-3	
Ethylbenzene	<2.0	ug/L	4.0	2.0	4		09/28/16 12:56	100-41-4	
Hexachloro-1,3-butadiene	<8.4	ug/L	20.0	8.4	4		09/28/16 12:56	87-68-3	
Isopropylbenzene (Cumene)	<0.57	ug/L	4.0	0.57	4		09/28/16 12:56	98-82-8	
Methyl-tert-butyl ether	<0.70	ug/L	4.0	0.70	4		09/28/16 12:56	1634-04-4	
Methylene Chloride	<0.93	ug/L	4.0	0.93	4		09/28/16 12:56	75-09-2	
Naphthalene	<10.0	ug/L	20.0	10.0	4		09/28/16 12:56	91-20-3	
Styrene	<2.0	ug/L	4.0	2.0	4		09/28/16 12:56	100-42-5	
Tetrachloroethene	<2.0	ug/L	4.0	2.0	4		09/28/16 12:56	127-18-4	
Toluene	<2.0	ug/L	4.0	2.0	4		09/28/16 12:56	108-88-3	
Trichloroethene	<1.3	ug/L	4.0	1.3	4		09/28/16 12:56	79-01-6	
Trichlorofluoromethane	<0.74	ug/L	4.0	0.74	4		09/28/16 12:56	75-69-4	
Vinyl chloride	<0.70	ug/L	4.0	0.70	4		09/28/16 12:56	75-01-4	
cis-1,2-Dichloroethene	<1.0	ug/L	4.0	1.0	4		09/28/16 12:56	156-59-2	
cis-1,3-Dichloropropene	<2.0	ug/L	4.0	2.0	4		09/28/16 12:56	10061-01-5	
m&p-Xylene	<4.0	ug/L	8.0	4.0	4		09/28/16 12:56	179601-23-1	
n-Butylbenzene	<2.0	ug/L	4.0	2.0	4		09/28/16 12:56	104-51-8	
n-Propylbenzene	<2.0	ug/L	4.0	2.0	4		09/28/16 12:56	103-65-1	
o-Xylene	<2.0	ug/L	4.0	2.0	4		09/28/16 12:56	95-47-6	
p-Isopropyltoluene	<2.0	ug/L	4.0	2.0	4		09/28/16 12:56	99-87-6	
sec-Butylbenzene	<8.7	ug/L	20.0	8.7	4		09/28/16 12:56	135-98-8	
tert-Butylbenzene	<0.72	ug/L	4.0	0.72	4		09/28/16 12:56	98-06-6	
trans-1,2-Dichloroethene	<1.0	ug/L	4.0	1.0	4		09/28/16 12:56	156-60-5	
trans-1,3-Dichloropropene	<0.92	ug/L	4.0	0.92	4		09/28/16 12:56	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		4		09/28/16 12:56	460-00-4	D3
Dibromofluoromethane (S)	105	%	70-130		4		09/28/16 12:56	1868-53-7	
Toluene-d8 (S)	101	%	70-130		4		09/28/16 12:56	2037-26-5	

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ANALYTICAL RESULTS

Project: TD P3 BR

Pace Project No.: 40138882

Sample: MW-13 **Lab ID: 40138882003** Collected: 09/21/16 00:00 Received: 09/23/16 10:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		09/28/16 12:12	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/28/16 12:12	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		09/28/16 12:12	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		09/28/16 12:12	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/28/16 12:12	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/28/16 12:12	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		09/28/16 12:12	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		09/28/16 12:12	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		09/28/16 12:12	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		09/28/16 12:12	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		09/28/16 12:12	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		09/28/16 12:12	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		09/28/16 12:12	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/28/16 12:12	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		09/28/16 12:12	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		09/28/16 12:12	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		09/28/16 12:12	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/28/16 12:12	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		09/28/16 12:12	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/28/16 12:12	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		09/28/16 12:12	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		09/28/16 12:12	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		09/28/16 12:12	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		09/28/16 12:12	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		09/28/16 12:12	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		09/28/16 12:12	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		09/28/16 12:12	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		09/28/16 12:12	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		09/28/16 12:12	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		09/28/16 12:12	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		09/28/16 12:12	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		09/28/16 12:12	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		09/28/16 12:12	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		09/28/16 12:12	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		09/28/16 12:12	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		09/28/16 12:12	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		09/28/16 12:12	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		09/28/16 12:12	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		09/28/16 12:12	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		09/28/16 12:12	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		09/28/16 12:12	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		09/28/16 12:12	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		09/28/16 12:12	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		09/28/16 12:12	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		09/28/16 12:12	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/28/16 12:12	127-18-4	

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ANALYTICAL RESULTS

Project: TD P3 BR
Pace Project No.: 40138882

Sample: MW-13 **Lab ID: 40138882003** Collected: 09/21/16 00:00 Received: 09/23/16 10:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Toluene	<0.50	ug/L	1.0	0.50	1		09/28/16 12:12	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/28/16 12:12	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		09/28/16 12:12	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		09/28/16 12:12	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		09/28/16 12:12	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		09/28/16 12:12	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		09/28/16 12:12	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		09/28/16 12:12	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		09/28/16 12:12	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		09/28/16 12:12	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		09/28/16 12:12	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		09/28/16 12:12	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		09/28/16 12:12	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		09/28/16 12:12	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		09/28/16 12:12	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	86	%	70-130		1		09/28/16 12:12	460-00-4	
Dibromofluoromethane (S)	109	%	70-130		1		09/28/16 12:12	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		09/28/16 12:12	2037-26-5	

Sample: MW-14 **Lab ID: 40138882004** Collected: 09/21/16 00:00 Received: 09/23/16 10:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		09/28/16 13:18	630-20-6	
1,1,1-Trichloroethane	45.7	ug/L	1.0	0.50	1		09/28/16 13:18	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		09/28/16 13:18	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		09/28/16 13:18	79-00-5	
1,1-Dichloroethane	46.3	ug/L	1.0	0.24	1		09/28/16 13:18	75-34-3	
1,1-Dichloroethene	3.6	ug/L	1.0	0.41	1		09/28/16 13:18	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		09/28/16 13:18	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		09/28/16 13:18	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		09/28/16 13:18	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		09/28/16 13:18	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		09/28/16 13:18	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		09/28/16 13:18	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		09/28/16 13:18	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/28/16 13:18	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		09/28/16 13:18	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		09/28/16 13:18	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		09/28/16 13:18	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/28/16 13:18	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		09/28/16 13:18	142-28-9	

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ANALYTICAL RESULTS

Project: TD P3 BR
Pace Project No.: 40138882

Sample: MW-14 **Lab ID: 40138882004** Collected: 09/21/16 00:00 Received: 09/23/16 10:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/28/16 13:18	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		09/28/16 13:18	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		09/28/16 13:18	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		09/28/16 13:18	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		09/28/16 13:18	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		09/28/16 13:18	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		09/28/16 13:18	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		09/28/16 13:18	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		09/28/16 13:18	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		09/28/16 13:18	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		09/28/16 13:18	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		09/28/16 13:18	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		09/28/16 13:18	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		09/28/16 13:18	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		09/28/16 13:18	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		09/28/16 13:18	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		09/28/16 13:18	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		09/28/16 13:18	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		09/28/16 13:18	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		09/28/16 13:18	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		09/28/16 13:18	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		09/28/16 13:18	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		09/28/16 13:18	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		09/28/16 13:18	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		09/28/16 13:18	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		09/28/16 13:18	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/28/16 13:18	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		09/28/16 13:18	108-88-3	
Trichloroethene	3.3	ug/L	1.0	0.33	1		09/28/16 13:18	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		09/28/16 13:18	75-69-4	
Vinyl chloride	0.56J	ug/L	1.0	0.18	1		09/28/16 13:18	75-01-4	
cis-1,2-Dichloroethene	3.9	ug/L	1.0	0.26	1		09/28/16 13:18	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		09/28/16 13:18	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		09/28/16 13:18	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		09/28/16 13:18	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		09/28/16 13:18	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		09/28/16 13:18	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		09/28/16 13:18	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		09/28/16 13:18	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		09/28/16 13:18	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		09/28/16 13:18	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		09/28/16 13:18	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	85	%	70-130		1		09/28/16 13:18	460-00-4	
Dibromofluoromethane (S)	111	%	70-130		1		09/28/16 13:18	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		09/28/16 13:18	2037-26-5	

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ANALYTICAL RESULTS

Project: TD P3 BR

Pace Project No.: 40138882

Sample: MW-15 **Lab ID: 40138882005** Collected: 09/21/16 00:00 Received: 09/23/16 10:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		09/28/16 13:40	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/28/16 13:40	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		09/28/16 13:40	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		09/28/16 13:40	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/28/16 13:40	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/28/16 13:40	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		09/28/16 13:40	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		09/28/16 13:40	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		09/28/16 13:40	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		09/28/16 13:40	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		09/28/16 13:40	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		09/28/16 13:40	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		09/28/16 13:40	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/28/16 13:40	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		09/28/16 13:40	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		09/28/16 13:40	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		09/28/16 13:40	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/28/16 13:40	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		09/28/16 13:40	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/28/16 13:40	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		09/28/16 13:40	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		09/28/16 13:40	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		09/28/16 13:40	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		09/28/16 13:40	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		09/28/16 13:40	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		09/28/16 13:40	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		09/28/16 13:40	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		09/28/16 13:40	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		09/28/16 13:40	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		09/28/16 13:40	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		09/28/16 13:40	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		09/28/16 13:40	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		09/28/16 13:40	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		09/28/16 13:40	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		09/28/16 13:40	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		09/28/16 13:40	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		09/28/16 13:40	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		09/28/16 13:40	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		09/28/16 13:40	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		09/28/16 13:40	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		09/28/16 13:40	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		09/28/16 13:40	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		09/28/16 13:40	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		09/28/16 13:40	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		09/28/16 13:40	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/28/16 13:40	127-18-4	

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ANALYTICAL RESULTS

Project: TD P3 BR

Pace Project No.: 40138882

Sample: MW-15 **Lab ID: 40138882005** Collected: 09/21/16 00:00 Received: 09/23/16 10:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Toluene	<0.50	ug/L	1.0	0.50	1		09/28/16 13:40	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/28/16 13:40	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		09/28/16 13:40	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		09/28/16 13:40	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		09/28/16 13:40	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		09/28/16 13:40	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		09/28/16 13:40	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		09/28/16 13:40	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		09/28/16 13:40	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		09/28/16 13:40	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		09/28/16 13:40	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		09/28/16 13:40	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		09/28/16 13:40	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		09/28/16 13:40	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		09/28/16 13:40	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	84	%	70-130		1		09/28/16 13:40	460-00-4	
Dibromofluoromethane (S)	105	%	70-130		1		09/28/16 13:40	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		09/28/16 13:40	2037-26-5	

Sample: MW-16 **Lab ID: 40138882006** Collected: 09/21/16 00:00 Received: 09/23/16 10:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		09/28/16 14:02	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/28/16 14:02	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		09/28/16 14:02	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		09/28/16 14:02	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/28/16 14:02	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/28/16 14:02	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		09/28/16 14:02	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		09/28/16 14:02	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		09/28/16 14:02	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		09/28/16 14:02	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		09/28/16 14:02	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		09/28/16 14:02	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		09/28/16 14:02	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/28/16 14:02	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		09/28/16 14:02	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		09/28/16 14:02	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		09/28/16 14:02	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/28/16 14:02	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		09/28/16 14:02	142-28-9	

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ANALYTICAL RESULTS

Project: TD P3 BR

Pace Project No.: 40138882

Sample: MW-16 **Lab ID: 40138882006** Collected: 09/21/16 00:00 Received: 09/23/16 10:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/28/16 14:02	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		09/28/16 14:02	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		09/28/16 14:02	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		09/28/16 14:02	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		09/28/16 14:02	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		09/28/16 14:02	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		09/28/16 14:02	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		09/28/16 14:02	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		09/28/16 14:02	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		09/28/16 14:02	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		09/28/16 14:02	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		09/28/16 14:02	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		09/28/16 14:02	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		09/28/16 14:02	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		09/28/16 14:02	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		09/28/16 14:02	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		09/28/16 14:02	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		09/28/16 14:02	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		09/28/16 14:02	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		09/28/16 14:02	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		09/28/16 14:02	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		09/28/16 14:02	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		09/28/16 14:02	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		09/28/16 14:02	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		09/28/16 14:02	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		09/28/16 14:02	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/28/16 14:02	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		09/28/16 14:02	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/28/16 14:02	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		09/28/16 14:02	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		09/28/16 14:02	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		09/28/16 14:02	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		09/28/16 14:02	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		09/28/16 14:02	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		09/28/16 14:02	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		09/28/16 14:02	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		09/28/16 14:02	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		09/28/16 14:02	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		09/28/16 14:02	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		09/28/16 14:02	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		09/28/16 14:02	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		09/28/16 14:02	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	86	%	70-130		1		09/28/16 14:02	460-00-4	
Dibromofluoromethane (S)	109	%	70-130		1		09/28/16 14:02	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		09/28/16 14:02	2037-26-5	

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ANALYTICAL RESULTS

Project: TD P3 BR

Pace Project No.: 40138882

Sample: MW-19 **Lab ID: 40138882007** Collected: 09/21/16 00:00 Received: 09/23/16 10:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		09/28/16 14:24	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/28/16 14:24	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		09/28/16 14:24	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		09/28/16 14:24	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/28/16 14:24	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/28/16 14:24	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		09/28/16 14:24	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		09/28/16 14:24	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		09/28/16 14:24	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		09/28/16 14:24	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		09/28/16 14:24	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		09/28/16 14:24	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		09/28/16 14:24	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/28/16 14:24	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		09/28/16 14:24	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		09/28/16 14:24	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		09/28/16 14:24	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/28/16 14:24	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		09/28/16 14:24	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/28/16 14:24	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		09/28/16 14:24	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		09/28/16 14:24	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		09/28/16 14:24	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		09/28/16 14:24	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		09/28/16 14:24	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		09/28/16 14:24	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		09/28/16 14:24	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		09/28/16 14:24	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		09/28/16 14:24	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		09/28/16 14:24	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		09/28/16 14:24	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		09/28/16 14:24	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		09/28/16 14:24	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		09/28/16 14:24	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		09/28/16 14:24	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		09/28/16 14:24	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		09/28/16 14:24	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		09/28/16 14:24	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		09/28/16 14:24	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		09/28/16 14:24	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		09/28/16 14:24	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		09/28/16 14:24	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		09/28/16 14:24	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		09/28/16 14:24	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		09/28/16 14:24	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/28/16 14:24	127-18-4	

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ANALYTICAL RESULTS

Project: TD P3 BR
Pace Project No.: 40138882

Sample: MW-19 **Lab ID: 40138882007** Collected: 09/21/16 00:00 Received: 09/23/16 10:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Toluene	<0.50	ug/L	1.0	0.50	1		09/28/16 14:24	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/28/16 14:24	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		09/28/16 14:24	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		09/28/16 14:24	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		09/28/16 14:24	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		09/28/16 14:24	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		09/28/16 14:24	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		09/28/16 14:24	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		09/28/16 14:24	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		09/28/16 14:24	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		09/28/16 14:24	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		09/28/16 14:24	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		09/28/16 14:24	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		09/28/16 14:24	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		09/28/16 14:24	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	88	%	70-130		1		09/28/16 14:24	460-00-4	
Dibromofluoromethane (S)	110	%	70-130		1		09/28/16 14:24	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		09/28/16 14:24	2037-26-5	

Sample: MW-402N **Lab ID: 40138882008** Collected: 09/21/16 00:00 Received: 09/23/16 10:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		09/28/16 14:46	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/28/16 14:46	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		09/28/16 14:46	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		09/28/16 14:46	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/28/16 14:46	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/28/16 14:46	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		09/28/16 14:46	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		09/28/16 14:46	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		09/28/16 14:46	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		09/28/16 14:46	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		09/28/16 14:46	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		09/28/16 14:46	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		09/28/16 14:46	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/28/16 14:46	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		09/28/16 14:46	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		09/28/16 14:46	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		09/28/16 14:46	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/28/16 14:46	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		09/28/16 14:46	142-28-9	

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ANALYTICAL RESULTS

Project: TD P3 BR
Pace Project No.: 40138882

Sample: MW-402N **Lab ID: 40138882008** Collected: 09/21/16 00:00 Received: 09/23/16 10:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/28/16 14:46	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		09/28/16 14:46	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		09/28/16 14:46	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		09/28/16 14:46	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		09/28/16 14:46	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		09/28/16 14:46	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		09/28/16 14:46	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		09/28/16 14:46	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		09/28/16 14:46	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		09/28/16 14:46	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		09/28/16 14:46	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		09/28/16 14:46	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		09/28/16 14:46	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		09/28/16 14:46	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		09/28/16 14:46	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		09/28/16 14:46	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		09/28/16 14:46	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		09/28/16 14:46	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		09/28/16 14:46	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		09/28/16 14:46	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		09/28/16 14:46	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		09/28/16 14:46	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		09/28/16 14:46	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		09/28/16 14:46	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		09/28/16 14:46	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		09/28/16 14:46	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/28/16 14:46	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		09/28/16 14:46	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/28/16 14:46	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		09/28/16 14:46	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		09/28/16 14:46	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		09/28/16 14:46	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		09/28/16 14:46	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		09/28/16 14:46	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		09/28/16 14:46	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		09/28/16 14:46	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		09/28/16 14:46	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		09/28/16 14:46	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		09/28/16 14:46	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		09/28/16 14:46	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		09/28/16 14:46	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		09/28/16 14:46	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	88	%	70-130		1		09/28/16 14:46	460-00-4	
Dibromofluoromethane (S)	109	%	70-130		1		09/28/16 14:46	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		09/28/16 14:46	2037-26-5	

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ANALYTICAL RESULTS

Project: TD P3 BR
Pace Project No.: 40138882

Sample: TRIP BLANK **Lab ID: 40138882009** Collected: 09/21/16 00:00 Received: 09/23/16 10:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		09/27/16 06:59	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/27/16 06:59	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		09/27/16 06:59	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		09/27/16 06:59	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/27/16 06:59	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/27/16 06:59	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		09/27/16 06:59	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		09/27/16 06:59	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		09/27/16 06:59	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		09/27/16 06:59	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		09/27/16 06:59	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		09/27/16 06:59	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		09/27/16 06:59	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/27/16 06:59	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		09/27/16 06:59	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		09/27/16 06:59	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		09/27/16 06:59	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/27/16 06:59	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		09/27/16 06:59	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/27/16 06:59	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		09/27/16 06:59	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		09/27/16 06:59	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		09/27/16 06:59	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		09/27/16 06:59	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		09/27/16 06:59	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		09/27/16 06:59	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		09/27/16 06:59	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		09/27/16 06:59	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		09/27/16 06:59	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		09/27/16 06:59	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		09/27/16 06:59	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		09/27/16 06:59	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		09/27/16 06:59	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		09/27/16 06:59	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		09/27/16 06:59	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		09/27/16 06:59	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		09/27/16 06:59	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		09/27/16 06:59	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		09/27/16 06:59	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		09/27/16 06:59	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		09/27/16 06:59	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		09/27/16 06:59	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		09/27/16 06:59	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		09/27/16 06:59	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		09/27/16 06:59	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/27/16 06:59	127-18-4	

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ANALYTICAL RESULTS

Project: TD P3 BR

Pace Project No.: 40138882

Sample: TRIP BLANK **Lab ID: 40138882009** Collected: 09/21/16 00:00 Received: 09/23/16 10:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Toluene	<0.50	ug/L	1.0	0.50	1		09/27/16 06:59	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/27/16 06:59	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		09/27/16 06:59	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		09/27/16 06:59	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		09/27/16 06:59	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		09/27/16 06:59	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		09/27/16 06:59	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		09/27/16 06:59	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		09/27/16 06:59	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		09/27/16 06:59	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		09/27/16 06:59	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		09/27/16 06:59	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		09/27/16 06:59	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		09/27/16 06:59	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		09/27/16 06:59	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	78	%	70-130		1		09/27/16 06:59	460-00-4	
Dibromofluoromethane (S)	111	%	70-130		1		09/27/16 06:59	1868-53-7	
Toluene-d8 (S)	84	%	70-130		1		09/27/16 06:59	2037-26-5	

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QUALITY CONTROL DATA

Project: TD P3 BR
Pace Project No.: 40138882

QC Batch: 236092 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40138882009

METHOD BLANK: 1400237 Matrix: Water
Associated Lab Samples: 40138882009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	09/26/16 15:44	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	09/26/16 15:44	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	09/26/16 15:44	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	09/26/16 15:44	
1,1-Dichloroethane	ug/L	<0.24	1.0	09/26/16 15:44	
1,1-Dichloroethene	ug/L	<0.41	1.0	09/26/16 15:44	
1,1-Dichloropropene	ug/L	<0.44	1.0	09/26/16 15:44	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	09/26/16 15:44	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	09/26/16 15:44	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	09/26/16 15:44	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	09/26/16 15:44	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	09/26/16 15:44	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	09/26/16 15:44	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	09/26/16 15:44	
1,2-Dichloroethane	ug/L	<0.17	1.0	09/26/16 15:44	
1,2-Dichloropropane	ug/L	<0.23	1.0	09/26/16 15:44	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	09/26/16 15:44	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	09/26/16 15:44	
1,3-Dichloropropane	ug/L	<0.50	1.0	09/26/16 15:44	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	09/26/16 15:44	
2,2-Dichloropropane	ug/L	<0.48	1.0	09/26/16 15:44	
2-Chlorotoluene	ug/L	<0.50	1.0	09/26/16 15:44	
4-Chlorotoluene	ug/L	<0.21	1.0	09/26/16 15:44	
Benzene	ug/L	<0.50	1.0	09/26/16 15:44	
Bromobenzene	ug/L	<0.23	1.0	09/26/16 15:44	
Bromochloromethane	ug/L	<0.34	1.0	09/26/16 15:44	
Bromodichloromethane	ug/L	<0.50	1.0	09/26/16 15:44	
Bromoform	ug/L	<0.50	1.0	09/26/16 15:44	
Bromomethane	ug/L	<2.4	5.0	09/26/16 15:44	
Carbon tetrachloride	ug/L	<0.50	1.0	09/26/16 15:44	
Chlorobenzene	ug/L	<0.50	1.0	09/26/16 15:44	
Chloroethane	ug/L	<0.37	1.0	09/26/16 15:44	
Chloroform	ug/L	<2.5	5.0	09/26/16 15:44	
Chloromethane	ug/L	<0.50	1.0	09/26/16 15:44	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	09/26/16 15:44	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	09/26/16 15:44	
Dibromochloromethane	ug/L	<0.50	1.0	09/26/16 15:44	
Dibromomethane	ug/L	<0.43	1.0	09/26/16 15:44	
Dichlorodifluoromethane	ug/L	<0.22	1.0	09/26/16 15:44	
Diisopropyl ether	ug/L	<0.50	1.0	09/26/16 15:44	
Ethylbenzene	ug/L	<0.50	1.0	09/26/16 15:44	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TD P3 BR
Pace Project No.: 40138882

METHOD BLANK: 1400237

Matrix: Water

Associated Lab Samples: 40138882009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	09/26/16 15:44	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	09/26/16 15:44	
m&p-Xylene	ug/L	<1.0	2.0	09/26/16 15:44	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	09/26/16 15:44	
Methylene Chloride	ug/L	<0.23	1.0	09/26/16 15:44	
n-Butylbenzene	ug/L	<0.50	1.0	09/26/16 15:44	
n-Propylbenzene	ug/L	<0.50	1.0	09/26/16 15:44	
Naphthalene	ug/L	<2.5	5.0	09/26/16 15:44	
o-Xylene	ug/L	<0.50	1.0	09/26/16 15:44	
p-Isopropyltoluene	ug/L	<0.50	1.0	09/26/16 15:44	
sec-Butylbenzene	ug/L	<2.2	5.0	09/26/16 15:44	
Styrene	ug/L	<0.50	1.0	09/26/16 15:44	
tert-Butylbenzene	ug/L	<0.18	1.0	09/26/16 15:44	
Tetrachloroethene	ug/L	<0.50	1.0	09/26/16 15:44	
Toluene	ug/L	<0.50	1.0	09/26/16 15:44	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	09/26/16 15:44	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	09/26/16 15:44	
Trichloroethene	ug/L	<0.33	1.0	09/26/16 15:44	
Trichlorofluoromethane	ug/L	<0.18	1.0	09/26/16 15:44	
Vinyl chloride	ug/L	<0.18	1.0	09/26/16 15:44	
4-Bromofluorobenzene (S)	%	77	70-130	09/26/16 15:44	
Dibromofluoromethane (S)	%	103	70-130	09/26/16 15:44	
Toluene-d8 (S)	%	80	70-130	09/26/16 15:44	

LABORATORY CONTROL SAMPLE: 1400238

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	43.3	87	70-131	
1,1,2,2-Tetrachloroethane	ug/L	50	48.7	97	67-130	
1,1,2-Trichloroethane	ug/L	50	45.5	91	70-130	
1,1-Dichloroethane	ug/L	50	49.6	99	70-133	
1,1-Dichloroethene	ug/L	50	42.7	85	70-130	
1,2,4-Trichlorobenzene	ug/L	50	42.3	85	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	33.4	67	50-150	
1,2-Dibromoethane (EDB)	ug/L	50	44.4	89	70-130	
1,2-Dichlorobenzene	ug/L	50	48.9	98	70-130	
1,2-Dichloroethane	ug/L	50	43.5	87	70-130	
1,2-Dichloropropane	ug/L	50	54.9	110	70-130	
1,3-Dichlorobenzene	ug/L	50	48.2	96	70-130	
1,4-Dichlorobenzene	ug/L	50	51.7	103	70-130	
Benzene	ug/L	50	48.6	97	60-135	
Bromodichloromethane	ug/L	50	51.5	103	70-130	
Bromoform	ug/L	50	45.0	90	70-130	
Bromomethane	ug/L	50	32.7	65	33-130	

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QUALITY CONTROL DATA

Project: TD P3 BR
Pace Project No.: 40138882

LABORATORY CONTROL SAMPLE: 1400238

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	47.9	96	70-138	
Chlorobenzene	ug/L	50	50.3	101	70-130	
Chloroethane	ug/L	50	38.8	78	51-130	
Chloroform	ug/L	50	46.9	94	70-130	
Chloromethane	ug/L	50	40.2	80	25-132	
cis-1,2-Dichloroethene	ug/L	50	42.9	86	69-130	
cis-1,3-Dichloropropene	ug/L	50	45.9	92	70-130	
Dibromochloromethane	ug/L	50	43.4	87	70-130	
Dichlorodifluoromethane	ug/L	50	30.0	60	23-130	
Ethylbenzene	ug/L	50	47.8	96	70-136	
Isopropylbenzene (Cumene)	ug/L	50	49.5	99	70-140	
m&p-Xylene	ug/L	100	99.3	99	70-138	
Methyl-tert-butyl ether	ug/L	50	38.7	77	66-138	
Methylene Chloride	ug/L	50	45.3	91	70-130	
o-Xylene	ug/L	50	44.9	90	70-134	
Styrene	ug/L	50	49.7	99	70-133	
Tetrachloroethene	ug/L	50	52.6	105	70-138	
Toluene	ug/L	50	49.8	100	70-130	
trans-1,2-Dichloroethene	ug/L	50	46.4	93	70-131	
trans-1,3-Dichloropropene	ug/L	50	39.7	79	69-130	
Trichloroethene	ug/L	50	52.5	105	70-130	
Trichlorofluoromethane	ug/L	50	45.9	92	50-150	
Vinyl chloride	ug/L	50	47.5	95	49-130	
4-Bromofluorobenzene (S)	%			88	70-130	
Dibromofluoromethane (S)	%			92	70-130	
Toluene-d8 (S)	%			89	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1400714 1400715

Parameter	Units	40138836002		MSD		MSD		% Rec		Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	% Rec	% Rec					
1,1,1-Trichloroethane	ug/L	<0.50	50	50	45.7	45.5	91	91	70-134	0	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	50.6	47.9	101	96	67-130	6	20		
1,1,2-Trichloroethane	ug/L	<0.20	50	50	41.9	47.5	84	95	70-130	13	20		
1,1-Dichloroethane	ug/L	<0.24	50	50	51.1	53.1	102	106	70-134	4	20		
1,1-Dichloroethene	ug/L	<0.41	50	50	45.6	44.4	91	89	68-136	3	20		
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	41.7	45.6	83	91	62-139	9	20		
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	31.2	38.5	62	77	50-150	21	20	R1	
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	39.1	46.1	78	92	70-130	17	20		
1,2-Dichlorobenzene	ug/L	<0.50	50	50	49.9	50.8	100	102	70-130	2	20		
1,2-Dichloroethane	ug/L	<0.17	50	50	45.2	46.1	90	92	70-130	2	20		
1,2-Dichloropropane	ug/L	<0.23	50	50	65.7	54.4	131	109	70-130	19	20	M1	
1,3-Dichlorobenzene	ug/L	<0.50	50	50	48.6	50.0	97	100	70-131	3	20		
1,4-Dichlorobenzene	ug/L	<0.50	50	50	51.4	51.8	103	104	70-130	1	20		

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QUALITY CONTROL DATA

Project: TD P3 BR
Pace Project No.: 40138882

Parameter	Units	40138836002		1400714		1400715		% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec						
Benzene	ug/L	<0.50	50	50	50.2	51.4	100	103	57-138	2	20		
Bromodichloromethane	ug/L	<0.50	50	50	61.0	51.1	122	102	70-130	18	20		
Bromoform	ug/L	<0.50	50	50	38.6	46.6	77	93	70-130	19	20		
Bromomethane	ug/L	<2.4	50	50	39.0	37.9	78	76	33-130	3	27		
Carbon tetrachloride	ug/L	<0.50	50	50	50.1	49.7	100	99	70-138	1	20		
Chlorobenzene	ug/L	<0.50	50	50	52.9	52.2	106	104	70-130	1	20		
Chloroethane	ug/L	<0.37	50	50	42.4	39.3	85	79	51-130	8	20		
Chloroform	ug/L	<2.5	50	50	47.9	48.3	96	97	70-130	1	20		
Chloromethane	ug/L	<0.50	50	50	41.1	40.0	82	80	25-132	3	20		
cis-1,2-Dichloroethene	ug/L	<0.26	50	50	42.5	45.7	85	91	61-140	7	20		
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	53.2	44.3	106	89	70-130	18	20		
Dibromochloromethane	ug/L	<0.50	50	50	41.4	45.1	83	90	70-130	8	20		
Dichlorodifluoromethane	ug/L	0.84J	50	50	31.5	31.2	61	61	23-130	1	20		
Ethylbenzene	ug/L	<0.50	50	50	52.6	49.7	105	99	70-138	6	20		
Isopropylbenzene (Cumene)	ug/L	<0.14	50	50	56.0	52.4	112	105	70-152	7	20		
m&p-Xylene	ug/L	<1.0	100	100	111	104	111	104	70-140	6	20		
Methyl-tert-butyl ether	ug/L	<0.17	50	50	40.6	40.5	81	81	66-139	0	20		
Methylene Chloride	ug/L	<0.23	50	50	47.2	47.3	94	95	70-130	0	20		
o-Xylene	ug/L	<0.50	50	50	50.6	48.2	101	96	70-134	5	20		
Styrene	ug/L	<0.50	50	50	54.2	51.9	108	104	70-138	4	20		
Tetrachloroethene	ug/L	1.1	50	50	46.6	54.6	91	107	70-148	16	20		
Toluene	ug/L	<0.50	50	50	47.8	51.3	96	103	70-130	7	20		
trans-1,2-Dichloroethene	ug/L	<0.26	50	50	47.9	47.2	96	94	70-133	2	20		
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	35.7	40.0	71	80	69-130	11	20		
Trichloroethene	ug/L	<0.33	50	50	62.6	52.9	125	106	70-131	17	20		
Trichlorofluoromethane	ug/L	<0.18	50	50	47.7	48.1	95	96	50-150	1	20		
Vinyl chloride	ug/L	<0.18	50	50	48.6	46.8	97	94	49-133	4	20		
4-Bromofluorobenzene (S)	%						99	91	70-130				
Dibromofluoromethane (S)	%						97	95	70-130				
Toluene-d8 (S)	%						83	89	70-130				

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TD P3 BR
Pace Project No.: 40138882

QC Batch: 236093 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40138882001, 40138882002, 40138882003, 40138882004, 40138882005, 40138882006, 40138882007, 40138882008

METHOD BLANK: 1400239 Matrix: Water
Associated Lab Samples: 40138882001, 40138882002, 40138882003, 40138882004, 40138882005, 40138882006, 40138882007, 40138882008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	09/28/16 05:35	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	09/28/16 05:35	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	09/28/16 05:35	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	09/28/16 05:35	
1,1-Dichloroethane	ug/L	<0.24	1.0	09/28/16 05:35	
1,1-Dichloroethene	ug/L	<0.41	1.0	09/28/16 05:35	
1,1-Dichloropropene	ug/L	<0.44	1.0	09/28/16 05:35	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	09/28/16 05:35	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	09/28/16 05:35	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	09/28/16 05:35	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	09/28/16 05:35	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	09/28/16 05:35	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	09/28/16 05:35	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	09/28/16 05:35	
1,2-Dichloroethane	ug/L	<0.17	1.0	09/28/16 05:35	
1,2-Dichloropropane	ug/L	<0.23	1.0	09/28/16 05:35	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	09/28/16 05:35	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	09/28/16 05:35	
1,3-Dichloropropane	ug/L	<0.50	1.0	09/28/16 05:35	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	09/28/16 05:35	
2,2-Dichloropropane	ug/L	<0.48	1.0	09/28/16 05:35	
2-Chlorotoluene	ug/L	<0.50	1.0	09/28/16 05:35	
4-Chlorotoluene	ug/L	<0.21	1.0	09/28/16 05:35	
Benzene	ug/L	<0.50	1.0	09/28/16 05:35	
Bromobenzene	ug/L	<0.23	1.0	09/28/16 05:35	
Bromochloromethane	ug/L	<0.34	1.0	09/28/16 05:35	
Bromodichloromethane	ug/L	<0.50	1.0	09/28/16 05:35	
Bromoform	ug/L	<0.50	1.0	09/28/16 05:35	
Bromomethane	ug/L	<2.4	5.0	09/28/16 05:35	
Carbon tetrachloride	ug/L	<0.50	1.0	09/28/16 05:35	
Chlorobenzene	ug/L	<0.50	1.0	09/28/16 05:35	
Chloroethane	ug/L	<0.37	1.0	09/28/16 05:35	
Chloroform	ug/L	<2.5	5.0	09/28/16 05:35	
Chloromethane	ug/L	<0.50	1.0	09/28/16 05:35	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	09/28/16 05:35	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	09/28/16 05:35	
Dibromochloromethane	ug/L	<0.50	1.0	09/28/16 05:35	
Dibromomethane	ug/L	<0.43	1.0	09/28/16 05:35	
Dichlorodifluoromethane	ug/L	<0.22	1.0	09/28/16 05:35	
Diisopropyl ether	ug/L	<0.50	1.0	09/28/16 05:35	

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QUALITY CONTROL DATA

Project: TD P3 BR
Pace Project No.: 40138882

METHOD BLANK: 1400239

Matrix: Water

Associated Lab Samples: 40138882001, 40138882002, 40138882003, 40138882004, 40138882005, 40138882006, 40138882007, 40138882008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.50	1.0	09/28/16 05:35	
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	09/28/16 05:35	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	09/28/16 05:35	
m&p-Xylene	ug/L	<1.0	2.0	09/28/16 05:35	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	09/28/16 05:35	
Methylene Chloride	ug/L	<0.23	1.0	09/28/16 05:35	
n-Butylbenzene	ug/L	<0.50	1.0	09/28/16 05:35	
n-Propylbenzene	ug/L	<0.50	1.0	09/28/16 05:35	
Naphthalene	ug/L	<2.5	5.0	09/28/16 05:35	
o-Xylene	ug/L	<0.50	1.0	09/28/16 05:35	
p-Isopropyltoluene	ug/L	<0.50	1.0	09/28/16 05:35	
sec-Butylbenzene	ug/L	<2.2	5.0	09/28/16 05:35	
Styrene	ug/L	<0.50	1.0	09/28/16 05:35	
tert-Butylbenzene	ug/L	<0.18	1.0	09/28/16 05:35	
Tetrachloroethene	ug/L	<0.50	1.0	09/28/16 05:35	
Toluene	ug/L	<0.50	1.0	09/28/16 05:35	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	09/28/16 05:35	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	09/28/16 05:35	
Trichloroethene	ug/L	<0.33	1.0	09/28/16 05:35	
Trichlorofluoromethane	ug/L	<0.18	1.0	09/28/16 05:35	
Vinyl chloride	ug/L	<0.18	1.0	09/28/16 05:35	
4-Bromofluorobenzene (S)	%	89	70-130	09/28/16 05:35	
Dibromofluoromethane (S)	%	107	70-130	09/28/16 05:35	
Toluene-d8 (S)	%	103	70-130	09/28/16 05:35	

LABORATORY CONTROL SAMPLE: 1400240

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	52.5	105	70-131	
1,1,2,2-Tetrachloroethane	ug/L	50	54.6	109	67-130	
1,1,2-Trichloroethane	ug/L	50	51.1	102	70-130	
1,1-Dichloroethane	ug/L	50	55.9	112	70-133	
1,1-Dichloroethene	ug/L	50	43.2	86	70-130	
1,2,4-Trichlorobenzene	ug/L	50	45.6	91	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	48.1	96	50-150	
1,2-Dibromoethane (EDB)	ug/L	50	51.7	103	70-130	
1,2-Dichlorobenzene	ug/L	50	52.0	104	70-130	
1,2-Dichloroethane	ug/L	50	61.2	122	70-130	
1,2-Dichloropropane	ug/L	50	58.4	117	70-130	
1,3-Dichlorobenzene	ug/L	50	50.7	101	70-130	
1,4-Dichlorobenzene	ug/L	50	50.3	101	70-130	
Benzene	ug/L	50	60.3	121	60-135	
Bromodichloromethane	ug/L	50	59.0	118	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TD P3 BR
Pace Project No.: 40138882

LABORATORY CONTROL SAMPLE: 1400240

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/L	50	46.0	92	70-130	
Bromomethane	ug/L	50	33.8	68	33-130	
Carbon tetrachloride	ug/L	50	49.8	100	70-138	
Chlorobenzene	ug/L	50	51.6	103	70-130	
Chloroethane	ug/L	50	43.9	88	51-130	
Chloroform	ug/L	50	57.0	114	70-130	
Chloromethane	ug/L	50	36.6	73	25-132	
cis-1,2-Dichloroethene	ug/L	50	49.3	99	69-130	
cis-1,3-Dichloropropene	ug/L	50	53.6	107	70-130	
Dibromochloromethane	ug/L	50	49.1	98	70-130	
Dichlorodifluoromethane	ug/L	50	41.5	83	23-130	
Ethylbenzene	ug/L	50	53.6	107	70-136	
Isopropylbenzene (Cumene)	ug/L	50	56.6	113	70-140	
m&p-Xylene	ug/L	100	114	114	70-138	
Methyl-tert-butyl ether	ug/L	50	55.7	111	66-138	
Methylene Chloride	ug/L	50	50.0	100	70-130	
o-Xylene	ug/L	50	53.8	108	70-134	
Styrene	ug/L	50	57.0	114	70-133	
Tetrachloroethene	ug/L	50	45.0	90	70-138	
Toluene	ug/L	50	52.3	105	70-130	
trans-1,2-Dichloroethene	ug/L	50	47.6	95	70-131	
trans-1,3-Dichloropropene	ug/L	50	52.5	105	69-130	
Trichloroethene	ug/L	50	53.4	107	70-130	
Trichlorofluoromethane	ug/L	50	48.0	96	50-150	
Vinyl chloride	ug/L	50	45.4	91	49-130	
4-Bromofluorobenzene (S)	%			98	70-130	
Dibromofluoromethane (S)	%			106	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1401508 1401509

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40138882003 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
1,1,1-Trichloroethane	ug/L	<0.50	50	50	53.0	55.3	106	111	70-134	4	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	53.4	53.3	107	107	67-130	0	20	
1,1,2-Trichloroethane	ug/L	<0.20	50	50	55.2	55.8	110	112	70-130	1	20	
1,1-Dichloroethane	ug/L	<0.24	50	50	56.5	60.1	113	120	70-134	6	20	
1,1-Dichloroethene	ug/L	<0.41	50	50	43.9	46.1	88	92	68-136	5	20	
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	46.0	44.6	92	89	62-139	3	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	47.8	51.9	96	104	50-150	8	20	
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	53.9	53.2	108	106	70-130	1	20	
1,2-Dichlorobenzene	ug/L	<0.50	50	50	51.1	50.2	102	100	70-130	2	20	
1,2-Dichloroethane	ug/L	<0.17	50	50	60.3	61.8	121	124	70-130	2	20	
1,2-Dichloropropane	ug/L	<0.23	50	50	58.7	60.4	117	121	70-130	3	20	

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QUALITY CONTROL DATA

Project: TD P3 BR
Pace Project No.: 40138882

Parameter	Units	40138882003		1401508		1401509		% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec						
1,3-Dichlorobenzene	ug/L	<0.50	50	50	50.1	48.3	100	97	70-131	4	20		
1,4-Dichlorobenzene	ug/L	<0.50	50	50	50.0	49.9	100	100	70-130	0	20		
Benzene	ug/L	<0.50	50	50	59.0	61.2	118	122	57-138	4	20		
Bromodichloromethane	ug/L	<0.50	50	50	57.2	58.6	114	117	70-130	3	20		
Bromoform	ug/L	<0.50	50	50	45.1	46.5	90	93	70-130	3	20		
Bromomethane	ug/L	<2.4	50	50	37.1	38.5	74	77	33-130	4	27		
Carbon tetrachloride	ug/L	<0.50	50	50	51.2	53.3	102	107	70-138	4	20		
Chlorobenzene	ug/L	<0.50	50	50	52.7	52.8	105	106	70-130	0	20		
Chloroethane	ug/L	<0.37	50	50	46.4	45.8	93	92	51-130	1	20		
Chloroform	ug/L	<2.5	50	50	58.7	58.3	117	117	70-130	1	20		
Chloromethane	ug/L	<0.50	50	50	36.6	38.0	73	76	25-132	4	20		
cis-1,2-Dichloroethene	ug/L	<0.26	50	50	50.7	51.7	101	103	61-140	2	20		
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	55.4	57.9	111	116	70-130	4	20		
Dibromochloromethane	ug/L	<0.50	50	50	49.1	52.5	98	105	70-130	7	20		
Dichlorodifluoromethane	ug/L	<0.22	50	50	38.8	41.0	78	82	23-130	5	20		
Ethylbenzene	ug/L	<0.50	50	50	55.8	55.9	112	112	70-138	0	20		
Isopropylbenzene (Cumene)	ug/L	<0.14	50	50	57.7	58.1	115	116	70-152	1	20		
m&p-Xylene	ug/L	<1.0	100	100	115	116	115	116	70-140	1	20		
Methyl-tert-butyl ether	ug/L	<0.17	50	50	56.9	60.0	114	120	66-139	5	20		
Methylene Chloride	ug/L	<0.23	50	50	49.9	51.6	100	103	70-130	3	20		
o-Xylene	ug/L	<0.50	50	50	52.9	53.5	106	107	70-134	1	20		
Styrene	ug/L	<0.50	50	50	58.5	60.8	117	122	70-138	4	20		
Tetrachloroethene	ug/L	<0.50	50	50	48.0	49.5	96	99	70-148	3	20		
Toluene	ug/L	<0.50	50	50	52.8	53.9	106	108	70-130	2	20		
trans-1,2-Dichloroethene	ug/L	<0.26	50	50	49.1	50.8	98	102	70-133	4	20		
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	51.9	53.2	104	106	69-130	2	20		
Trichloroethene	ug/L	<0.33	50	50	53.9	55.8	108	112	70-131	3	20		
Trichlorofluoromethane	ug/L	<0.18	50	50	50.6	54.1	101	108	50-150	7	20		
Vinyl chloride	ug/L	<0.18	50	50	44.6	45.3	89	91	49-133	2	20		
4-Bromofluorobenzene (S)	%						99	96	70-130				
Dibromofluoromethane (S)	%						105	110	70-130				
Toluene-d8 (S)	%						100	101	70-130				

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: TD P3 BR
Pace Project No.: 40138882

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 and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

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

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

R1 RPD value was outside control limits.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: TD P3 BR

Pace Project No.: 40138882

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40138882001	MW-11	EPA 8260	236093		
40138882002	MW-12	EPA 8260	236093		
40138882003	MW-13	EPA 8260	236093		
40138882004	MW-14	EPA 8260	236093		
40138882005	MW-15	EPA 8260	236093		
40138882006	MW-16	EPA 8260	236093		
40138882007	MW-19	EPA 8260	236093		
40138882008	MW-402N	EPA 8260	236093		
40138882009	TRIP BLANK	EPA 8260	236092		

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Project #

WO#: 40138882



40138882

Client Name: Environmental Audits

Courier: Fed Ex UPS Client Pace Other: CS Logistics

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

N/A

Type of Ice: Wet Blue Dry None

Samples on ice, cooling process has begun

Cooler Temperature

Uncorr: _____

ICorr: ROI

Biological Tissue is Frozen: yes

no

Temp Blank Present: yes no

Person examining contents:

Date: 9/23/16

Initials: RJ

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>no times</u>
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12. <u>No time on samples 9-23-16 MW</u>
-Includes date/time/ID/Analysis Matrix: <u>W</u>		
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. <input type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> NaOH + ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
exceptions: <input checked="" type="checkbox"/> OA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed Lab Std #ID of preservative Date/Time:
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	14.
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	15. <u>Added to COC by lab</u>
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>360</u>		<u>9-23-16 MW</u>

Client Notification/ Resolution:

Person Contacted: _____

Date/Time: _____

If checked, see attached form for additional comments

Comments/ Resolution: 002 vials are free product. 9-23-16 MW

Project Manager Review: _____

[Signature]

Date: 9-23-16

November 23, 2016

Ed Raymond
Environmental Audits, Inc
1409 Hillcrest Circle
Racine, WI 53406

RE: Project: TD P3 BR 4TH QTR
Pace Project No.: 40142277

Dear Ed Raymond:

Enclosed are the analytical results for sample(s) received by the laboratory on November 17, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Dan Milewsky
dan.milewsky@pacelabs.com
Project Manager

Enclosures

cc: John Ruetz, Environmental Audits Inc



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: TD P3 BR 4TH QTR

Pace Project No.: 40142277

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: TD P3 BR 4TH QTR

Pace Project No.: 40142277

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40142277001	MW-7	Water	11/16/16 00:00	11/17/16 17:15
40142277002	MW-9	Water	11/16/16 00:00	11/17/16 17:15
40142277003	MW-17	Water	11/16/16 00:00	11/17/16 17:15
40142277004	MW-22	Water	11/16/16 00:00	11/17/16 17:15
40142277005	MW-23	Water	11/16/16 00:00	11/17/16 17:15
40142277006	MW-25	Water	11/16/16 00:00	11/17/16 17:15
40142277007	TRIP BLANK	Water	11/16/16 00:00	11/17/16 17:15

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SAMPLE ANALYTE COUNT

Project: TD P3 BR 4TH QTR

Pace Project No.: 40142277

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40142277001	MW-7	EPA 8260	HNW	64
40142277002	MW-9	EPA 8260	HNW	64
40142277003	MW-17	EPA 8260	HNW	64
40142277004	MW-22	EPA 8260	HNW	64
40142277005	MW-23	EPA 8260	HNW	64
40142277006	MW-25	EPA 8260	HNW	64
40142277007	TRIP BLANK	EPA 8260	HNW	64

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TD P3 BR 4TH QTR

Pace Project No.: 40142277

Sample: MW-7 **Lab ID: 40142277001** Collected: 11/16/16 00:00 Received: 11/17/16 17:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		11/23/16 01:27	630-20-6	
1,1,1-Trichloroethane	34.0	ug/L	1.0	0.50	1		11/23/16 01:27	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		11/23/16 01:27	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		11/23/16 01:27	79-00-5	
1,1-Dichloroethane	38.7	ug/L	1.0	0.24	1		11/23/16 01:27	75-34-3	
1,1-Dichloroethene	2.1	ug/L	1.0	0.41	1		11/23/16 01:27	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		11/23/16 01:27	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		11/23/16 01:27	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		11/23/16 01:27	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		11/23/16 01:27	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		11/23/16 01:27	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		11/23/16 01:27	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		11/23/16 01:27	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		11/23/16 01:27	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		11/23/16 01:27	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		11/23/16 01:27	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		11/23/16 01:27	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		11/23/16 01:27	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		11/23/16 01:27	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		11/23/16 01:27	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		11/23/16 01:27	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		11/23/16 01:27	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		11/23/16 01:27	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		11/23/16 01:27	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		11/23/16 01:27	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		11/23/16 01:27	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		11/23/16 01:27	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		11/23/16 01:27	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		11/23/16 01:27	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		11/23/16 01:27	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		11/23/16 01:27	108-90-7	
Chloroethane	4.9	ug/L	1.0	0.37	1		11/23/16 01:27	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		11/23/16 01:27	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		11/23/16 01:27	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		11/23/16 01:27	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		11/23/16 01:27	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		11/23/16 01:27	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		11/23/16 01:27	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		11/23/16 01:27	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		11/23/16 01:27	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		11/23/16 01:27	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		11/23/16 01:27	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		11/23/16 01:27	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		11/23/16 01:27	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		11/23/16 01:27	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		11/23/16 01:27	127-18-4	

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ANALYTICAL RESULTS

Project: TD P3 BR 4TH QTR

Pace Project No.: 40142277

Sample: MW-7 **Lab ID: 40142277001** Collected: 11/16/16 00:00 Received: 11/17/16 17:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Toluene	0.62J	ug/L	1.0	0.50	1		11/23/16 01:27	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		11/23/16 01:27	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		11/23/16 01:27	75-69-4	
Vinyl chloride	0.50J	ug/L	1.0	0.18	1		11/23/16 01:27	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		11/23/16 01:27	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		11/23/16 01:27	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		11/23/16 01:27	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		11/23/16 01:27	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		11/23/16 01:27	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		11/23/16 01:27	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		11/23/16 01:27	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		11/23/16 01:27	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		11/23/16 01:27	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		11/23/16 01:27	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		11/23/16 01:27	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		11/23/16 01:27	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		11/23/16 01:27	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		11/23/16 01:27	2037-26-5	

Sample: MW-9 **Lab ID: 40142277002** Collected: 11/16/16 00:00 Received: 11/17/16 17:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		11/22/16 10:31	630-20-6	
1,1,1-Trichloroethane	18.0	ug/L	1.0	0.50	1		11/22/16 10:31	71-55-6	
1,1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		11/22/16 10:31	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		11/22/16 10:31	79-00-5	
1,1-Dichloroethane	15.3	ug/L	1.0	0.24	1		11/22/16 10:31	75-34-3	
1,1-Dichloroethene	1.1	ug/L	1.0	0.41	1		11/22/16 10:31	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		11/22/16 10:31	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		11/22/16 10:31	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		11/22/16 10:31	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		11/22/16 10:31	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		11/22/16 10:31	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		11/22/16 10:31	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		11/22/16 10:31	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		11/22/16 10:31	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		11/22/16 10:31	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		11/22/16 10:31	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		11/22/16 10:31	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		11/22/16 10:31	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		11/22/16 10:31	142-28-9	

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ANALYTICAL RESULTS

Project: TD P3 BR 4TH QTR

Pace Project No.: 40142277

Sample: MW-9 **Lab ID: 40142277002** Collected: 11/16/16 00:00 Received: 11/17/16 17:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		11/22/16 10:31	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		11/22/16 10:31	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		11/22/16 10:31	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		11/22/16 10:31	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		11/22/16 10:31	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		11/22/16 10:31	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		11/22/16 10:31	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		11/22/16 10:31	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		11/22/16 10:31	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		11/22/16 10:31	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		11/22/16 10:31	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		11/22/16 10:31	108-90-7	
Chloroethane	1.8	ug/L	1.0	0.37	1		11/22/16 10:31	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		11/22/16 10:31	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		11/22/16 10:31	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		11/22/16 10:31	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		11/22/16 10:31	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		11/22/16 10:31	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		11/22/16 10:31	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		11/22/16 10:31	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		11/22/16 10:31	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		11/22/16 10:31	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		11/22/16 10:31	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		11/22/16 10:31	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		11/22/16 10:31	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		11/22/16 10:31	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		11/22/16 10:31	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		11/22/16 10:31	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		11/22/16 10:31	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		11/22/16 10:31	75-69-4	
Vinyl chloride	0.19J	ug/L	1.0	0.18	1		11/22/16 10:31	75-01-4	
cis-1,2-Dichloroethene	1.3	ug/L	1.0	0.26	1		11/22/16 10:31	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		11/22/16 10:31	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		11/22/16 10:31	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		11/22/16 10:31	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		11/22/16 10:31	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		11/22/16 10:31	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		11/22/16 10:31	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		11/22/16 10:31	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		11/22/16 10:31	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		11/22/16 10:31	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		11/22/16 10:31	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		11/22/16 10:31	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		11/22/16 10:31	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		11/22/16 10:31	2037-26-5	

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ANALYTICAL RESULTS

Project: TD P3 BR 4TH QTR

Pace Project No.: 40142277

Sample: MW-17 **Lab ID: 40142277003** Collected: 11/16/16 00:00 Received: 11/17/16 17:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		11/22/16 10:53	630-20-6	
1,1,1-Trichloroethane	14.0	ug/L	1.0	0.50	1		11/22/16 10:53	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		11/22/16 10:53	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		11/22/16 10:53	79-00-5	
1,1-Dichloroethane	9.7	ug/L	1.0	0.24	1		11/22/16 10:53	75-34-3	
1,1-Dichloroethene	0.80J	ug/L	1.0	0.41	1		11/22/16 10:53	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		11/22/16 10:53	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		11/22/16 10:53	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		11/22/16 10:53	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		11/22/16 10:53	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		11/22/16 10:53	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		11/22/16 10:53	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		11/22/16 10:53	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		11/22/16 10:53	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		11/22/16 10:53	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		11/22/16 10:53	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		11/22/16 10:53	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		11/22/16 10:53	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		11/22/16 10:53	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		11/22/16 10:53	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		11/22/16 10:53	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		11/22/16 10:53	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		11/22/16 10:53	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		11/22/16 10:53	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		11/22/16 10:53	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		11/22/16 10:53	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		11/22/16 10:53	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		11/22/16 10:53	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		11/22/16 10:53	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		11/22/16 10:53	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		11/22/16 10:53	108-90-7	
Chloroethane	1.0	ug/L	1.0	0.37	1		11/22/16 10:53	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		11/22/16 10:53	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		11/22/16 10:53	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		11/22/16 10:53	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		11/22/16 10:53	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		11/22/16 10:53	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		11/22/16 10:53	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		11/22/16 10:53	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		11/22/16 10:53	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		11/22/16 10:53	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		11/22/16 10:53	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		11/22/16 10:53	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		11/22/16 10:53	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		11/22/16 10:53	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		11/22/16 10:53	127-18-4	

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ANALYTICAL RESULTS

Project: TD P3 BR 4TH QTR

Pace Project No.: 40142277

Sample: MW-17 **Lab ID: 40142277003** Collected: 11/16/16 00:00 Received: 11/17/16 17:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Toluene	<0.50	ug/L	1.0	0.50	1		11/22/16 10:53	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		11/22/16 10:53	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		11/22/16 10:53	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		11/22/16 10:53	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		11/22/16 10:53	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		11/22/16 10:53	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		11/22/16 10:53	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		11/22/16 10:53	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		11/22/16 10:53	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		11/22/16 10:53	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		11/22/16 10:53	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		11/22/16 10:53	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		11/22/16 10:53	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		11/22/16 10:53	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		11/22/16 10:53	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		11/22/16 10:53	460-00-4	
Dibromofluoromethane (S)	98	%	70-130		1		11/22/16 10:53	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		11/22/16 10:53	2037-26-5	

Sample: MW-22 **Lab ID: 40142277004** Collected: 11/16/16 00:00 Received: 11/17/16 17:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		11/22/16 11:15	630-20-6	
1,1,1-Trichloroethane	18.6	ug/L	1.0	0.50	1		11/22/16 11:15	71-55-6	
1,1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		11/22/16 11:15	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		11/22/16 11:15	79-00-5	
1,1-Dichloroethane	12.8	ug/L	1.0	0.24	1		11/22/16 11:15	75-34-3	
1,1-Dichloroethene	1.1	ug/L	1.0	0.41	1		11/22/16 11:15	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		11/22/16 11:15	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		11/22/16 11:15	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		11/22/16 11:15	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		11/22/16 11:15	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		11/22/16 11:15	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		11/22/16 11:15	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		11/22/16 11:15	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		11/22/16 11:15	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		11/22/16 11:15	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		11/22/16 11:15	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		11/22/16 11:15	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		11/22/16 11:15	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		11/22/16 11:15	142-28-9	

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ANALYTICAL RESULTS

Project: TD P3 BR 4TH QTR

Pace Project No.: 40142277

Sample: MW-22 **Lab ID: 40142277004** Collected: 11/16/16 00:00 Received: 11/17/16 17:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		11/22/16 11:15	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		11/22/16 11:15	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		11/22/16 11:15	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		11/22/16 11:15	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		11/22/16 11:15	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		11/22/16 11:15	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		11/22/16 11:15	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		11/22/16 11:15	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		11/22/16 11:15	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		11/22/16 11:15	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		11/22/16 11:15	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		11/22/16 11:15	108-90-7	
Chloroethane	2.3	ug/L	1.0	0.37	1		11/22/16 11:15	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		11/22/16 11:15	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		11/22/16 11:15	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		11/22/16 11:15	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		11/22/16 11:15	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		11/22/16 11:15	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		11/22/16 11:15	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		11/22/16 11:15	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		11/22/16 11:15	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		11/22/16 11:15	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		11/22/16 11:15	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		11/22/16 11:15	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		11/22/16 11:15	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		11/22/16 11:15	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		11/22/16 11:15	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		11/22/16 11:15	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		11/22/16 11:15	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		11/22/16 11:15	75-69-4	
Vinyl chloride	0.22J	ug/L	1.0	0.18	1		11/22/16 11:15	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		11/22/16 11:15	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		11/22/16 11:15	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		11/22/16 11:15	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		11/22/16 11:15	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		11/22/16 11:15	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		11/22/16 11:15	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		11/22/16 11:15	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		11/22/16 11:15	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		11/22/16 11:15	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		11/22/16 11:15	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		11/22/16 11:15	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		11/22/16 11:15	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		11/22/16 11:15	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		11/22/16 11:15	2037-26-5	

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ANALYTICAL RESULTS

Project: TD P3 BR 4TH QTR

Pace Project No.: 40142277

Sample: MW-23 Lab ID: 40142277005 Collected: 11/16/16 00:00 Received: 11/17/16 17:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		11/22/16 11:37	630-20-6	
1,1,1-Trichloroethane	25.6	ug/L	1.0	0.50	1		11/22/16 11:37	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		11/22/16 11:37	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		11/22/16 11:37	79-00-5	
1,1-Dichloroethane	17.1	ug/L	1.0	0.24	1		11/22/16 11:37	75-34-3	
1,1-Dichloroethene	1.4	ug/L	1.0	0.41	1		11/22/16 11:37	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		11/22/16 11:37	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		11/22/16 11:37	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		11/22/16 11:37	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		11/22/16 11:37	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		11/22/16 11:37	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		11/22/16 11:37	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		11/22/16 11:37	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		11/22/16 11:37	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		11/22/16 11:37	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		11/22/16 11:37	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		11/22/16 11:37	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		11/22/16 11:37	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		11/22/16 11:37	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		11/22/16 11:37	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		11/22/16 11:37	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		11/22/16 11:37	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		11/22/16 11:37	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		11/22/16 11:37	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		11/22/16 11:37	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		11/22/16 11:37	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		11/22/16 11:37	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		11/22/16 11:37	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		11/22/16 11:37	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		11/22/16 11:37	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		11/22/16 11:37	108-90-7	
Chloroethane	2.3	ug/L	1.0	0.37	1		11/22/16 11:37	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		11/22/16 11:37	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		11/22/16 11:37	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		11/22/16 11:37	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		11/22/16 11:37	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		11/22/16 11:37	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		11/22/16 11:37	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		11/22/16 11:37	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		11/22/16 11:37	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		11/22/16 11:37	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		11/22/16 11:37	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		11/22/16 11:37	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		11/22/16 11:37	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		11/22/16 11:37	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		11/22/16 11:37	127-18-4	

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ANALYTICAL RESULTS

Project: TD P3 BR 4TH QTR

Pace Project No.: 40142277

Sample: MW-23 **Lab ID: 40142277005** Collected: 11/16/16 00:00 Received: 11/17/16 17:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Toluene	<0.50	ug/L	1.0	0.50	1		11/22/16 11:37	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		11/22/16 11:37	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		11/22/16 11:37	75-69-4	
Vinyl chloride	0.27J	ug/L	1.0	0.18	1		11/22/16 11:37	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		11/22/16 11:37	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		11/22/16 11:37	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		11/22/16 11:37	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		11/22/16 11:37	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		11/22/16 11:37	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		11/22/16 11:37	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		11/22/16 11:37	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		11/22/16 11:37	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		11/22/16 11:37	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		11/22/16 11:37	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		11/22/16 11:37	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		11/22/16 11:37	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		11/22/16 11:37	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		11/22/16 11:37	2037-26-5	

Sample: MW-25 **Lab ID: 40142277006** Collected: 11/16/16 00:00 Received: 11/17/16 17:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.45	ug/L	2.5	0.45	2.5		11/22/16 10:09	630-20-6	
1,1,1-Trichloroethane	60.8	ug/L	2.5	1.2	2.5		11/22/16 10:09	71-55-6	
1,1,1,2,2-Tetrachloroethane	<0.62	ug/L	2.5	0.62	2.5		11/22/16 10:09	79-34-5	
1,1,2-Trichloroethane	<0.49	ug/L	2.5	0.49	2.5		11/22/16 10:09	79-00-5	
1,1-Dichloroethane	129	ug/L	2.5	0.60	2.5		11/22/16 10:09	75-34-3	
1,1-Dichloroethene	3.5	ug/L	2.5	1.0	2.5		11/22/16 10:09	75-35-4	
1,1-Dichloropropene	<1.1	ug/L	2.5	1.1	2.5		11/22/16 10:09	563-58-6	
1,2,3-Trichlorobenzene	<5.3	ug/L	12.5	5.3	2.5		11/22/16 10:09	87-61-6	
1,2,3-Trichloropropane	<1.2	ug/L	2.5	1.2	2.5		11/22/16 10:09	96-18-4	
1,2,4-Trichlorobenzene	<5.5	ug/L	12.5	5.5	2.5		11/22/16 10:09	120-82-1	
1,2,4-Trimethylbenzene	<1.2	ug/L	2.5	1.2	2.5		11/22/16 10:09	95-63-6	
1,2-Dibromo-3-chloropropane	<5.4	ug/L	12.5	5.4	2.5		11/22/16 10:09	96-12-8	
1,2-Dibromoethane (EDB)	<0.44	ug/L	2.5	0.44	2.5		11/22/16 10:09	106-93-4	
1,2-Dichlorobenzene	<1.2	ug/L	2.5	1.2	2.5		11/22/16 10:09	95-50-1	
1,2-Dichloroethane	<0.42	ug/L	2.5	0.42	2.5		11/22/16 10:09	107-06-2	
1,2-Dichloropropane	<0.58	ug/L	2.5	0.58	2.5		11/22/16 10:09	78-87-5	
1,3,5-Trimethylbenzene	<1.2	ug/L	2.5	1.2	2.5		11/22/16 10:09	108-67-8	
1,3-Dichlorobenzene	<1.2	ug/L	2.5	1.2	2.5		11/22/16 10:09	541-73-1	
1,3-Dichloropropane	<1.2	ug/L	2.5	1.2	2.5		11/22/16 10:09	142-28-9	

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ANALYTICAL RESULTS

Project: TD P3 BR 4TH QTR

Pace Project No.: 40142277

Sample: MW-25 **Lab ID: 40142277006** Collected: 11/16/16 00:00 Received: 11/17/16 17:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,4-Dichlorobenzene	<1.2	ug/L	2.5	1.2	2.5		11/22/16 10:09	106-46-7	
2,2-Dichloropropane	<1.2	ug/L	2.5	1.2	2.5		11/22/16 10:09	594-20-7	
2-Chlorotoluene	<1.2	ug/L	2.5	1.2	2.5		11/22/16 10:09	95-49-8	
4-Chlorotoluene	<0.53	ug/L	2.5	0.53	2.5		11/22/16 10:09	106-43-4	
Benzene	<1.2	ug/L	2.5	1.2	2.5		11/22/16 10:09	71-43-2	
Bromobenzene	<0.58	ug/L	2.5	0.58	2.5		11/22/16 10:09	108-86-1	
Bromochloromethane	<0.85	ug/L	2.5	0.85	2.5		11/22/16 10:09	74-97-5	
Bromodichloromethane	<1.2	ug/L	2.5	1.2	2.5		11/22/16 10:09	75-27-4	
Bromoform	<1.2	ug/L	2.5	1.2	2.5		11/22/16 10:09	75-25-2	
Bromomethane	<6.1	ug/L	12.5	6.1	2.5		11/22/16 10:09	74-83-9	
Carbon tetrachloride	<1.2	ug/L	2.5	1.2	2.5		11/22/16 10:09	56-23-5	
Chlorobenzene	<1.2	ug/L	2.5	1.2	2.5		11/22/16 10:09	108-90-7	
Chloroethane	4.5	ug/L	2.5	0.94	2.5		11/22/16 10:09	75-00-3	
Chloroform	<6.2	ug/L	12.5	6.2	2.5		11/22/16 10:09	67-66-3	
Chloromethane	<1.2	ug/L	2.5	1.2	2.5		11/22/16 10:09	74-87-3	
Dibromochloromethane	<1.2	ug/L	2.5	1.2	2.5		11/22/16 10:09	124-48-1	
Dibromomethane	<1.1	ug/L	2.5	1.1	2.5		11/22/16 10:09	74-95-3	
Dichlorodifluoromethane	<0.56	ug/L	2.5	0.56	2.5		11/22/16 10:09	75-71-8	
Diisopropyl ether	<1.2	ug/L	2.5	1.2	2.5		11/22/16 10:09	108-20-3	
Ethylbenzene	<1.2	ug/L	2.5	1.2	2.5		11/22/16 10:09	100-41-4	
Hexachloro-1,3-butadiene	<5.3	ug/L	12.5	5.3	2.5		11/22/16 10:09	87-68-3	
Isopropylbenzene (Cumene)	<0.36	ug/L	2.5	0.36	2.5		11/22/16 10:09	98-82-8	
Methyl-tert-butyl ether	<0.44	ug/L	2.5	0.44	2.5		11/22/16 10:09	1634-04-4	
Methylene Chloride	<0.58	ug/L	2.5	0.58	2.5		11/22/16 10:09	75-09-2	
Naphthalene	<6.2	ug/L	12.5	6.2	2.5		11/22/16 10:09	91-20-3	
Styrene	<1.2	ug/L	2.5	1.2	2.5		11/22/16 10:09	100-42-5	
Tetrachloroethene	<1.2	ug/L	2.5	1.2	2.5		11/22/16 10:09	127-18-4	
Toluene	<1.2	ug/L	2.5	1.2	2.5		11/22/16 10:09	108-88-3	
Trichloroethene	<0.83	ug/L	2.5	0.83	2.5		11/22/16 10:09	79-01-6	
Trichlorofluoromethane	<0.46	ug/L	2.5	0.46	2.5		11/22/16 10:09	75-69-4	
Vinyl chloride	2.4J	ug/L	2.5	0.44	2.5		11/22/16 10:09	75-01-4	
cis-1,2-Dichloroethene	4.1	ug/L	2.5	0.64	2.5		11/22/16 10:09	156-59-2	
cis-1,3-Dichloropropene	<1.2	ug/L	2.5	1.2	2.5		11/22/16 10:09	10061-01-5	
m&p-Xylene	<2.5	ug/L	5.0	2.5	2.5		11/22/16 10:09	179601-23-1	
n-Butylbenzene	<1.2	ug/L	2.5	1.2	2.5		11/22/16 10:09	104-51-8	
n-Propylbenzene	<1.2	ug/L	2.5	1.2	2.5		11/22/16 10:09	103-65-1	
o-Xylene	<1.2	ug/L	2.5	1.2	2.5		11/22/16 10:09	95-47-6	
p-Isopropyltoluene	<1.2	ug/L	2.5	1.2	2.5		11/22/16 10:09	99-87-6	
sec-Butylbenzene	<5.5	ug/L	12.5	5.5	2.5		11/22/16 10:09	135-98-8	
tert-Butylbenzene	<0.45	ug/L	2.5	0.45	2.5		11/22/16 10:09	98-06-6	
trans-1,2-Dichloroethene	0.79J	ug/L	2.5	0.64	2.5		11/22/16 10:09	156-60-5	
trans-1,3-Dichloropropene	<0.57	ug/L	2.5	0.57	2.5		11/22/16 10:09	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		2.5		11/22/16 10:09	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		2.5		11/22/16 10:09	1868-53-7	
Toluene-d8 (S)	99	%	70-130		2.5		11/22/16 10:09	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TD P3 BR 4TH QTR

Pace Project No.: 40142277

Sample: TRIP BLANK **Lab ID: 40142277007** Collected: 11/16/16 00:00 Received: 11/17/16 17:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		11/22/16 23:59	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		11/22/16 23:59	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		11/22/16 23:59	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		11/22/16 23:59	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		11/22/16 23:59	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		11/22/16 23:59	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		11/22/16 23:59	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		11/22/16 23:59	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		11/22/16 23:59	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		11/22/16 23:59	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		11/22/16 23:59	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		11/22/16 23:59	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		11/22/16 23:59	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		11/22/16 23:59	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		11/22/16 23:59	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		11/22/16 23:59	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		11/22/16 23:59	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		11/22/16 23:59	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		11/22/16 23:59	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		11/22/16 23:59	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		11/22/16 23:59	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		11/22/16 23:59	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		11/22/16 23:59	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		11/22/16 23:59	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		11/22/16 23:59	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		11/22/16 23:59	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		11/22/16 23:59	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		11/22/16 23:59	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		11/22/16 23:59	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		11/22/16 23:59	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		11/22/16 23:59	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		11/22/16 23:59	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		11/22/16 23:59	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		11/22/16 23:59	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		11/22/16 23:59	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		11/22/16 23:59	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		11/22/16 23:59	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		11/22/16 23:59	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		11/22/16 23:59	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		11/22/16 23:59	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		11/22/16 23:59	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		11/22/16 23:59	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		11/22/16 23:59	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		11/22/16 23:59	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		11/22/16 23:59	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		11/22/16 23:59	127-18-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TD P3 BR 4TH QTR

Pace Project No.: 40142277

Sample: TRIP BLANK **Lab ID: 40142277007** Collected: 11/16/16 00:00 Received: 11/17/16 17:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Toluene	<0.50	ug/L	1.0	0.50	1		11/22/16 23:59	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		11/22/16 23:59	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		11/22/16 23:59	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		11/22/16 23:59	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		11/22/16 23:59	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		11/22/16 23:59	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		11/22/16 23:59	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		11/22/16 23:59	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		11/22/16 23:59	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		11/22/16 23:59	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		11/22/16 23:59	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		11/22/16 23:59	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		11/22/16 23:59	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		11/22/16 23:59	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		11/22/16 23:59	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		11/22/16 23:59	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		11/22/16 23:59	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		11/22/16 23:59	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TD P3 BR 4TH QTR
Pace Project No.: 40142277

QC Batch: 241990 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40142277001, 40142277002, 40142277003, 40142277004, 40142277005, 40142277006, 40142277007

METHOD BLANK: 1434872 Matrix: Water
Associated Lab Samples: 40142277001, 40142277002, 40142277003, 40142277004, 40142277005, 40142277006, 40142277007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	11/22/16 06:28	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	11/22/16 06:28	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	11/22/16 06:28	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	11/22/16 06:28	
1,1-Dichloroethane	ug/L	<0.24	1.0	11/22/16 06:28	
1,1-Dichloroethene	ug/L	<0.41	1.0	11/22/16 06:28	
1,1-Dichloropropene	ug/L	<0.44	1.0	11/22/16 06:28	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	11/22/16 06:28	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	11/22/16 06:28	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	11/22/16 06:28	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	11/22/16 06:28	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	11/22/16 06:28	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	11/22/16 06:28	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	11/22/16 06:28	
1,2-Dichloroethane	ug/L	<0.17	1.0	11/22/16 06:28	
1,2-Dichloropropane	ug/L	<0.23	1.0	11/22/16 06:28	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	11/22/16 06:28	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	11/22/16 06:28	
1,3-Dichloropropane	ug/L	<0.50	1.0	11/22/16 06:28	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	11/22/16 06:28	
2,2-Dichloropropane	ug/L	<0.48	1.0	11/22/16 06:28	
2-Chlorotoluene	ug/L	<0.50	1.0	11/22/16 06:28	
4-Chlorotoluene	ug/L	<0.21	1.0	11/22/16 06:28	
Benzene	ug/L	<0.50	1.0	11/22/16 06:28	
Bromobenzene	ug/L	<0.23	1.0	11/22/16 06:28	
Bromochloromethane	ug/L	<0.34	1.0	11/22/16 06:28	
Bromodichloromethane	ug/L	<0.50	1.0	11/22/16 06:28	
Bromoform	ug/L	<0.50	1.0	11/22/16 06:28	
Bromomethane	ug/L	<2.4	5.0	11/22/16 06:28	
Carbon tetrachloride	ug/L	<0.50	1.0	11/22/16 06:28	
Chlorobenzene	ug/L	<0.50	1.0	11/22/16 06:28	
Chloroethane	ug/L	<0.37	1.0	11/22/16 06:28	
Chloroform	ug/L	<2.5	5.0	11/22/16 06:28	
Chloromethane	ug/L	<0.50	1.0	11/22/16 06:28	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	11/22/16 06:28	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	11/22/16 06:28	
Dibromochloromethane	ug/L	<0.50	1.0	11/22/16 06:28	
Dibromomethane	ug/L	<0.43	1.0	11/22/16 06:28	
Dichlorodifluoromethane	ug/L	<0.22	1.0	11/22/16 06:28	
Diisopropyl ether	ug/L	<0.50	1.0	11/22/16 06:28	
Ethylbenzene	ug/L	<0.50	1.0	11/22/16 06:28	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TD P3 BR 4TH QTR

Pace Project No.: 40142277

METHOD BLANK: 1434872

Matrix: Water

Associated Lab Samples: 40142277001, 40142277002, 40142277003, 40142277004, 40142277005, 40142277006, 40142277007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	11/22/16 06:28	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	11/22/16 06:28	
m&p-Xylene	ug/L	<1.0	2.0	11/22/16 06:28	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	11/22/16 06:28	
Methylene Chloride	ug/L	<0.23	1.0	11/22/16 06:28	
n-Butylbenzene	ug/L	<0.50	1.0	11/22/16 06:28	
n-Propylbenzene	ug/L	<0.50	1.0	11/22/16 06:28	
Naphthalene	ug/L	<2.5	5.0	11/22/16 06:28	
o-Xylene	ug/L	<0.50	1.0	11/22/16 06:28	
p-Isopropyltoluene	ug/L	<0.50	1.0	11/22/16 06:28	
sec-Butylbenzene	ug/L	<2.2	5.0	11/22/16 06:28	
Styrene	ug/L	<0.50	1.0	11/22/16 06:28	
tert-Butylbenzene	ug/L	<0.18	1.0	11/22/16 06:28	
Tetrachloroethene	ug/L	<0.50	1.0	11/22/16 06:28	
Toluene	ug/L	<0.50	1.0	11/22/16 06:28	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	11/22/16 06:28	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	11/22/16 06:28	
Trichloroethene	ug/L	<0.33	1.0	11/22/16 06:28	
Trichlorofluoromethane	ug/L	<0.18	1.0	11/22/16 06:28	
Vinyl chloride	ug/L	<0.18	1.0	11/22/16 06:28	
4-Bromofluorobenzene (S)	%	92	70-130	11/22/16 06:28	
Dibromofluoromethane (S)	%	103	70-130	11/22/16 06:28	
Toluene-d8 (S)	%	98	70-130	11/22/16 06:28	

LABORATORY CONTROL SAMPLE: 1434873

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	51.9	104	70-131	
1,1,1,2-Tetrachloroethane	ug/L	50	50.3	101	67-130	
1,1,2-Trichloroethane	ug/L	50	49.7	99	70-130	
1,1-Dichloroethane	ug/L	50	52.3	105	70-133	
1,1-Dichloroethene	ug/L	50	52.8	106	70-130	
1,2,4-Trichlorobenzene	ug/L	50	51.2	102	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	44.5	89	50-150	
1,2-Dibromoethane (EDB)	ug/L	50	50.3	101	70-130	
1,2-Dichlorobenzene	ug/L	50	51.2	102	70-130	
1,2-Dichloroethane	ug/L	50	52.0	104	70-130	
1,2-Dichloropropane	ug/L	50	47.7	95	70-130	
1,3-Dichlorobenzene	ug/L	50	51.5	103	70-130	
1,4-Dichlorobenzene	ug/L	50	50.6	101	70-130	
Benzene	ug/L	50	52.5	105	60-135	
Bromodichloromethane	ug/L	50	50.9	102	70-130	
Bromoform	ug/L	50	43.4	87	70-130	
Bromomethane	ug/L	50	46.2	92	33-130	

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QUALITY CONTROL DATA

Project: TD P3 BR 4TH QTR

Pace Project No.: 40142277

LABORATORY CONTROL SAMPLE: 1434873

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	48.3	97	70-138	
Chlorobenzene	ug/L	50	50.6	101	70-130	
Chloroethane	ug/L	50	56.7	113	51-130	
Chloroform	ug/L	50	49.6	99	70-130	
Chloromethane	ug/L	50	58.0	116	25-132	
cis-1,2-Dichloroethene	ug/L	50	49.9	100	69-130	
cis-1,3-Dichloropropene	ug/L	50	48.7	97	70-130	
Dibromochloromethane	ug/L	50	48.1	96	70-130	
Dichlorodifluoromethane	ug/L	50	43.4	87	23-130	
Ethylbenzene	ug/L	50	53.0	106	70-136	
Isopropylbenzene (Cumene)	ug/L	50	52.5	105	70-140	
m&p-Xylene	ug/L	100	104	104	70-138	
Methyl-tert-butyl ether	ug/L	50	54.4	109	66-138	
Methylene Chloride	ug/L	50	52.4	105	70-130	
o-Xylene	ug/L	50	52.0	104	70-134	
Styrene	ug/L	50	47.1	94	70-133	
Tetrachloroethene	ug/L	50	48.4	97	70-138	
Toluene	ug/L	50	51.2	102	70-130	
trans-1,2-Dichloroethene	ug/L	50	54.8	110	70-131	
trans-1,3-Dichloropropene	ug/L	50	47.4	95	69-130	
Trichloroethene	ug/L	50	50.7	101	70-130	
Trichlorofluoromethane	ug/L	50	59.8	120	50-150	
Vinyl chloride	ug/L	50	58.8	118	49-130	
4-Bromofluorobenzene (S)	%			98	70-130	
Dibromofluoromethane (S)	%			99	70-130	
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1435155 1435156

Parameter	Units	40142224001		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec					
1,1,1-Trichloroethane	ug/L	<1.0	50	50	52.2	52.7	104	105	70-134	1	20		
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	50	48.4	50.1	97	100	67-130	3	20		
1,1,2-Trichloroethane	ug/L	<1.0	50	50	47.2	51.0	94	102	70-130	8	20		
1,1-Dichloroethane	ug/L	<1.0	50	50	52.4	52.8	105	106	70-134	1	20		
1,1-Dichloroethene	ug/L	<1.0	50	50	53.2	54.2	106	108	68-136	2	20		
1,2,4-Trichlorobenzene	ug/L	<5.0	50	50	51.8	54.3	101	106	62-139	5	20		
1,2-Dibromo-3-chloropropane	ug/L	<5.0	50	50	46.2	48.7	92	97	50-150	5	20		
1,2-Dibromoethane (EDB)	ug/L	<1.0	50	50	48.5	50.6	97	101	70-130	4	20		
1,2-Dichlorobenzene	ug/L	<1.0	50	50	51.5	52.7	102	105	70-130	2	20		
1,2-Dichloroethane	ug/L	<1.0	50	50	51.4	52.2	103	104	70-130	1	20		
1,2-Dichloropropane	ug/L	<1.0	50	50	47.7	50.2	95	100	70-130	5	20		
1,3-Dichlorobenzene	ug/L	<1.0	50	50	51.9	54.3	103	108	70-131	5	20		
1,4-Dichlorobenzene	ug/L	<1.0	50	50	51.1	53.5	102	106	70-130	5	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

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QUALITY CONTROL DATA

Project: TD P3 BR 4TH QTR

Pace Project No.: 40142277

Parameter	Units	40142224001		1435155		1435156		% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec						
Benzene	ug/L	<1.0	50	50	53.5	54.5	107	109	57-138	2	20		
Bromodichloromethane	ug/L	<1.0	50	50	51.2	53.8	102	108	70-130	5	20		
Bromoform	ug/L	<1.0	50	50	40.1	42.8	80	86	70-130	7	20		
Bromomethane	ug/L	<5.0	50	50	47.9	50.7	96	101	33-130	6	27		
Carbon tetrachloride	ug/L	<1.0	50	50	49.2	50.9	98	102	70-138	3	20		
Chlorobenzene	ug/L	<1.0	50	50	49.5	53.1	99	106	70-130	7	20		
Chloroethane	ug/L	<1.0	50	50	57.7	60.4	115	121	51-130	5	20		
Chloroform	ug/L	<5.0	50	50	49.4	49.9	99	100	70-130	1	20		
Chloromethane	ug/L	<1.0	50	50	57.6	57.9	115	116	25-132	1	20		
cis-1,2-Dichloroethene	ug/L	<1.0	50	50	50.4	50.8	101	102	61-140	1	20		
cis-1,3-Dichloropropene	ug/L	<1.0	50	50	49.4	50.8	99	102	70-130	3	20		
Dibromochloromethane	ug/L	<1.0	50	50	47.5	50.0	95	100	70-130	5	20		
Dichlorodifluoromethane	ug/L	<1.0	50	50	42.3	43.4	85	87	23-130	3	20		
Ethylbenzene	ug/L	<1.0	50	50	52.1	55.1	104	110	70-138	6	20		
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50	51.7	54.4	103	109	70-152	5	20		
m&p-Xylene	ug/L	<2.0	100	100	102	109	102	108	70-140	6	20		
Methyl-tert-butyl ether	ug/L	<1.0	50	50	53.4	54.2	107	108	66-139	1	20		
Methylene Chloride	ug/L	<1.0	50	50	51.8	53.0	104	106	70-130	2	20		
o-Xylene	ug/L	<1.0	50	50	51.0	53.4	102	107	70-134	4	20		
Styrene	ug/L	3.3	50	50	45.7	48.8	85	91	70-138	6	20		
Tetrachloroethene	ug/L	<1.0	50	50	47.8	50.8	96	102	70-148	6	20		
Toluene	ug/L	<1.0	50	50	50.0	53.1	100	106	70-130	6	20		
trans-1,2-Dichloroethene	ug/L	<1.0	50	50	56.5	56.2	113	112	70-133	1	20		
trans-1,3-Dichloropropene	ug/L	<1.0	50	50	45.9	48.4	92	97	69-130	5	20		
Trichloroethene	ug/L	<1.0	50	50	50.1	51.7	100	103	70-131	3	20		
Trichlorofluoromethane	ug/L	<1.0	50	50	59.9	61.8	120	124	50-150	3	20		
Vinyl chloride	ug/L	<1.0	50	50	57.5	59.3	115	119	49-133	3	20		
4-Bromofluorobenzene (S)	%						98	99	70-130				
Dibromofluoromethane (S)	%						102	99	70-130				
Toluene-d8 (S)	%						97	99	70-130				

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

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: TD P3 BR 4TH QTR

Pace Project No.: 40142277

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 and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

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.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: TD P3 BR 4TH QTR

Pace Project No.: 40142277

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40142277001	MW-7	EPA 8260	241990		
40142277002	MW-9	EPA 8260	241990		
40142277003	MW-17	EPA 8260	241990		
40142277004	MW-22	EPA 8260	241990		
40142277005	MW-23	EPA 8260	241990		
40142277006	MW-25	EPA 8260	241990		
40142277007	TRIP BLANK	EPA 8260	241990		

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: Environmental Audits Inc

Branch/Location: West Allis

Project Contact: John Ruetz

Phone: (414) 491-4282

Project Number: Verbal

Project Name: TDP3 BR 4th GR

Project State: WI

Sampled By (Print): Stephanie Wagner

Sampled By (Sign): *Stephanie Wagner*

PO #: *491-4282*



www.paceaudits.com

CHAIN OF CUSTODY

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

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

40142277

FILTERED? (YES/NO)
 PRESERVATION (CODE)

Analyses Requested

V/I/N	Pick Letter	Analysis
N	B	VOC

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

MSMSD
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
 A = Air B = Block C = Charcoal O = Oil SI = Sludge
 W = Water DW = Drinking Water GW = Ground Water SW = Surface Water MW = Waste Water WF = Wires

PAGE LAB #	CLIENT FIELD ID	DATE	COLLECTION TIME	MATRIX
001	MW-7	11/16/16		GW
002	MW-9	11/16/16		
003	MW-17	11/16/16		
004	MW-22	11/16/16		
005	MW-23	11/16/16		
006	MW-25	11/16/16		
007	Trip Blank			

① In shipment tab added to COC 11/16/16

Relinquished By:	Date/Time:	Received By:	Date/Time:
Stephanie Wagner	11/16/16	John Ruetz	11/16/16
Stephanie Wagner	11/16/17	John Ruetz	11/16/17

Quote #: 40142277
Mail To Contact: John Ruetz
Mail To Company: Environmental Audits Inc.
Mail To Address: 11327 W Lincoln Ave. West Allis WI 53227
Invoice To Contact: John Ruetz
Invoice To Company: Environmental Audits Inc.
Invoice To Address: SAME AS ABOVE
Invoice To Phone: (414) 491-4282
CLIENT COMMENTS: LAB COMMENTS (Lab Use Only) 3-40M005
Profile #: 240M018

PACE Project No.: 40142277
Receipt Temp = 120°F
Sample Receipt pH: OK / Adjusted
Cooler Custody Seal: Present / Not Present Intact / Not Intact



Sample Condition Upon Receipt

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

Client Name: Environmental Audits

Project # WO#: 40142277

Courier: Fed Ex UPS 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 N/A Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature Uncorr: ROT ICorr: Biological Tissue is Frozen: yes no

Temp Blank Present: yes no

Person examining contents:
Date: 11-18-16
Initials: SW

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

Comments:

Table with 15 rows of checklist items and checkboxes. Includes items like 'Chain of Custody Present', 'Short Hold Time Analysis', 'Rush Turn Around Time Requested', 'Sample Labels match COC', 'All containers needing preservation have been checked', 'Headspace in VOA Vials', 'Trip Blank Present'.

Client Notification/ Resolution:
Person Contacted: Date/Time:
Comments/ Resolution:

Project Manager Review: [Signature] Date: 11/18/16

December 06, 2016

Ed Raymond
Environmental Audits, Inc
1409 Hillcrest Circle
Racine, WI 53406

RE: Project: 1434A TD P3 CR
Pace Project No.: 40142843

Dear Ed Raymond:

Enclosed are the analytical results for sample(s) received by the laboratory on December 01, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Dan Milewsky
dan.milewsky@pacelabs.com
Project Manager

Enclosures

cc: John Ruetz, Environmental Audits Inc



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 1434A TD P3 CR

Pace Project No.: 40142843

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 1434A TD P3 CR

Pace Project No.: 40142843

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40142843001	MW-1	Water	11/30/16 00:00	12/01/16 15:55
40142843002	MW-2	Water	11/30/16 00:00	12/01/16 15:55
40142843003	MW-6	Water	11/30/16 00:00	12/01/16 15:55
40142843004	MW-10	Water	11/30/16 00:00	12/01/16 15:55
40142843005	MW-24	Water	11/30/16 00:00	12/01/16 15:55
40142843006	TRIP BLANK	Water	11/30/16 00:00	12/01/16 15:55

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SAMPLE ANALYTE COUNT

Project: 1434A TD P3 CR

Pace Project No.: 40142843

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40142843001	MW-1	EPA 8260	HNW	64
40142843002	MW-2	EPA 8260	HNW	64
40142843003	MW-6	EPA 8260	HNW	64
40142843004	MW-10	EPA 8260	HNW	64
40142843005	MW-24	EPA 8260	HNW	64
40142843006	TRIP BLANK	EPA 8260	HNW	64

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1434A TD P3 CR

Pace Project No.: 40142843

Sample: MW-1 **Lab ID: 40142843001** Collected: 11/30/16 00:00 Received: 12/01/16 15:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<1.8	ug/L	10.0	1.8	10		12/05/16 11:20	630-20-6	
1,1,1-Trichloroethane	33.1	ug/L	10.0	5.0	10		12/05/16 11:20	71-55-6	
1,1,2,2-Tetrachloroethane	<2.5	ug/L	10.0	2.5	10		12/05/16 11:20	79-34-5	
1,1,2-Trichloroethane	<2.0	ug/L	10.0	2.0	10		12/05/16 11:20	79-00-5	
1,1-Dichloroethane	88.7	ug/L	10.0	2.4	10		12/05/16 11:20	75-34-3	
1,1-Dichloroethene	<4.1	ug/L	10.0	4.1	10		12/05/16 11:20	75-35-4	
1,1-Dichloropropene	<4.4	ug/L	10.0	4.4	10		12/05/16 11:20	563-58-6	
1,2,3-Trichlorobenzene	<21.3	ug/L	50.0	21.3	10		12/05/16 11:20	87-61-6	
1,2,3-Trichloropropane	<5.0	ug/L	10.0	5.0	10		12/05/16 11:20	96-18-4	
1,2,4-Trichlorobenzene	<22.1	ug/L	50.0	22.1	10		12/05/16 11:20	120-82-1	
1,2,4-Trimethylbenzene	<5.0	ug/L	10.0	5.0	10		12/05/16 11:20	95-63-6	
1,2-Dibromo-3-chloropropane	<21.6	ug/L	50.0	21.6	10		12/05/16 11:20	96-12-8	
1,2-Dibromoethane (EDB)	<1.8	ug/L	10.0	1.8	10		12/05/16 11:20	106-93-4	
1,2-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		12/05/16 11:20	95-50-1	
1,2-Dichloroethane	<1.7	ug/L	10.0	1.7	10		12/05/16 11:20	107-06-2	
1,2-Dichloropropane	<2.3	ug/L	10.0	2.3	10		12/05/16 11:20	78-87-5	
1,3,5-Trimethylbenzene	<5.0	ug/L	10.0	5.0	10		12/05/16 11:20	108-67-8	
1,3-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		12/05/16 11:20	541-73-1	
1,3-Dichloropropane	<5.0	ug/L	10.0	5.0	10		12/05/16 11:20	142-28-9	
1,4-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		12/05/16 11:20	106-46-7	
2,2-Dichloropropane	<4.8	ug/L	10.0	4.8	10		12/05/16 11:20	594-20-7	
2-Chlorotoluene	<5.0	ug/L	10.0	5.0	10		12/05/16 11:20	95-49-8	
4-Chlorotoluene	<2.1	ug/L	10.0	2.1	10		12/05/16 11:20	106-43-4	
Benzene	<5.0	ug/L	10.0	5.0	10		12/05/16 11:20	71-43-2	
Bromobenzene	<2.3	ug/L	10.0	2.3	10		12/05/16 11:20	108-86-1	
Bromochloromethane	<3.4	ug/L	10.0	3.4	10		12/05/16 11:20	74-97-5	
Bromodichloromethane	<5.0	ug/L	10.0	5.0	10		12/05/16 11:20	75-27-4	
Bromoform	<5.0	ug/L	10.0	5.0	10		12/05/16 11:20	75-25-2	
Bromomethane	<24.3	ug/L	50.0	24.3	10		12/05/16 11:20	74-83-9	
Carbon tetrachloride	<5.0	ug/L	10.0	5.0	10		12/05/16 11:20	56-23-5	
Chlorobenzene	<5.0	ug/L	10.0	5.0	10		12/05/16 11:20	108-90-7	
Chloroethane	18.2	ug/L	10.0	3.7	10		12/05/16 11:20	75-00-3	
Chloroform	<25.0	ug/L	50.0	25.0	10		12/05/16 11:20	67-66-3	
Chloromethane	<5.0	ug/L	10.0	5.0	10		12/05/16 11:20	74-87-3	
Dibromochloromethane	<5.0	ug/L	10.0	5.0	10		12/05/16 11:20	124-48-1	
Dibromomethane	<4.3	ug/L	10.0	4.3	10		12/05/16 11:20	74-95-3	
Dichlorodifluoromethane	<2.2	ug/L	10.0	2.2	10		12/05/16 11:20	75-71-8	
Diisopropyl ether	<5.0	ug/L	10.0	5.0	10		12/05/16 11:20	108-20-3	
Ethylbenzene	<5.0	ug/L	10.0	5.0	10		12/05/16 11:20	100-41-4	
Hexachloro-1,3-butadiene	<21.1	ug/L	50.0	21.1	10		12/05/16 11:20	87-68-3	
Isopropylbenzene (Cumene)	<1.4	ug/L	10.0	1.4	10		12/05/16 11:20	98-82-8	
Methyl-tert-butyl ether	<1.7	ug/L	10.0	1.7	10		12/05/16 11:20	1634-04-4	
Methylene Chloride	<2.3	ug/L	10.0	2.3	10		12/05/16 11:20	75-09-2	
Naphthalene	<25.0	ug/L	50.0	25.0	10		12/05/16 11:20	91-20-3	
Styrene	<5.0	ug/L	10.0	5.0	10		12/05/16 11:20	100-42-5	
Tetrachloroethene	<5.0	ug/L	10.0	5.0	10		12/05/16 11:20	127-18-4	

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ANALYTICAL RESULTS

Project: 1434A TD P3 CR

Pace Project No.: 40142843

Sample: MW-1 **Lab ID: 40142843001** Collected: 11/30/16 00:00 Received: 12/01/16 15:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Toluene	<5.0	ug/L	10.0	5.0	10		12/05/16 11:20	108-88-3	
Trichloroethene	<3.3	ug/L	10.0	3.3	10		12/05/16 11:20	79-01-6	
Trichlorofluoromethane	<1.8	ug/L	10.0	1.8	10		12/05/16 11:20	75-69-4	
Vinyl chloride	6.2J	ug/L	10.0	1.8	10		12/05/16 11:20	75-01-4	
cis-1,2-Dichloroethene	<2.6	ug/L	10.0	2.6	10		12/05/16 11:20	156-59-2	
cis-1,3-Dichloropropene	<5.0	ug/L	10.0	5.0	10		12/05/16 11:20	10061-01-5	
m&p-Xylene	<10.0	ug/L	20.0	10.0	10		12/05/16 11:20	179601-23-1	
n-Butylbenzene	<5.0	ug/L	10.0	5.0	10		12/05/16 11:20	104-51-8	
n-Propylbenzene	<5.0	ug/L	10.0	5.0	10		12/05/16 11:20	103-65-1	
o-Xylene	<5.0	ug/L	10.0	5.0	10		12/05/16 11:20	95-47-6	
p-Isopropyltoluene	<5.0	ug/L	10.0	5.0	10		12/05/16 11:20	99-87-6	
sec-Butylbenzene	<21.9	ug/L	50.0	21.9	10		12/05/16 11:20	135-98-8	
tert-Butylbenzene	<1.8	ug/L	10.0	1.8	10		12/05/16 11:20	98-06-6	
trans-1,2-Dichloroethene	<2.6	ug/L	10.0	2.6	10		12/05/16 11:20	156-60-5	
trans-1,3-Dichloropropene	<2.3	ug/L	10.0	2.3	10		12/05/16 11:20	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		10		12/05/16 11:20	460-00-4	D3
Dibromofluoromethane (S)	110	%	70-130		10		12/05/16 11:20	1868-53-7	
Toluene-d8 (S)	87	%	70-130		10		12/05/16 11:20	2037-26-5	

Sample: MW-2 **Lab ID: 40142843002** Collected: 11/30/16 00:00 Received: 12/01/16 15:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<1.8	ug/L	10.0	1.8	10		12/05/16 11:42	630-20-6	
1,1,1-Trichloroethane	12.8	ug/L	10.0	5.0	10		12/05/16 11:42	71-55-6	
1,1,1,2,2-Tetrachloroethane	<2.5	ug/L	10.0	2.5	10		12/05/16 11:42	79-34-5	
1,1,2-Trichloroethane	<2.0	ug/L	10.0	2.0	10		12/05/16 11:42	79-00-5	
1,1-Dichloroethane	29.9	ug/L	10.0	2.4	10		12/05/16 11:42	75-34-3	
1,1-Dichloroethene	<4.1	ug/L	10.0	4.1	10		12/05/16 11:42	75-35-4	
1,1-Dichloropropene	<4.4	ug/L	10.0	4.4	10		12/05/16 11:42	563-58-6	
1,2,3-Trichlorobenzene	<21.3	ug/L	50.0	21.3	10		12/05/16 11:42	87-61-6	
1,2,3-Trichloropropane	<5.0	ug/L	10.0	5.0	10		12/05/16 11:42	96-18-4	
1,2,4-Trichlorobenzene	<22.1	ug/L	50.0	22.1	10		12/05/16 11:42	120-82-1	
1,2,4-Trimethylbenzene	<5.0	ug/L	10.0	5.0	10		12/05/16 11:42	95-63-6	
1,2-Dibromo-3-chloropropane	<21.6	ug/L	50.0	21.6	10		12/05/16 11:42	96-12-8	
1,2-Dibromoethane (EDB)	<1.8	ug/L	10.0	1.8	10		12/05/16 11:42	106-93-4	
1,2-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		12/05/16 11:42	95-50-1	
1,2-Dichloroethane	<1.7	ug/L	10.0	1.7	10		12/05/16 11:42	107-06-2	
1,2-Dichloropropane	<2.3	ug/L	10.0	2.3	10		12/05/16 11:42	78-87-5	
1,3,5-Trimethylbenzene	<5.0	ug/L	10.0	5.0	10		12/05/16 11:42	108-67-8	
1,3-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		12/05/16 11:42	541-73-1	
1,3-Dichloropropane	<5.0	ug/L	10.0	5.0	10		12/05/16 11:42	142-28-9	

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ANALYTICAL RESULTS

Project: 1434A TD P3 CR

Pace Project No.: 40142843

Sample: MW-2 **Lab ID: 40142843002** Collected: 11/30/16 00:00 Received: 12/01/16 15:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,4-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		12/05/16 11:42	106-46-7	
2,2-Dichloropropane	<4.8	ug/L	10.0	4.8	10		12/05/16 11:42	594-20-7	
2-Chlorotoluene	<5.0	ug/L	10.0	5.0	10		12/05/16 11:42	95-49-8	
4-Chlorotoluene	<2.1	ug/L	10.0	2.1	10		12/05/16 11:42	106-43-4	
Benzene	<5.0	ug/L	10.0	5.0	10		12/05/16 11:42	71-43-2	
Bromobenzene	<2.3	ug/L	10.0	2.3	10		12/05/16 11:42	108-86-1	
Bromochloromethane	<3.4	ug/L	10.0	3.4	10		12/05/16 11:42	74-97-5	
Bromodichloromethane	<5.0	ug/L	10.0	5.0	10		12/05/16 11:42	75-27-4	
Bromoform	<5.0	ug/L	10.0	5.0	10		12/05/16 11:42	75-25-2	
Bromomethane	<24.3	ug/L	50.0	24.3	10		12/05/16 11:42	74-83-9	
Carbon tetrachloride	<5.0	ug/L	10.0	5.0	10		12/05/16 11:42	56-23-5	
Chlorobenzene	<5.0	ug/L	10.0	5.0	10		12/05/16 11:42	108-90-7	
Chloroethane	10.9	ug/L	10.0	3.7	10		12/05/16 11:42	75-00-3	
Chloroform	<25.0	ug/L	50.0	25.0	10		12/05/16 11:42	67-66-3	
Chloromethane	<5.0	ug/L	10.0	5.0	10		12/05/16 11:42	74-87-3	
Dibromochloromethane	<5.0	ug/L	10.0	5.0	10		12/05/16 11:42	124-48-1	
Dibromomethane	<4.3	ug/L	10.0	4.3	10		12/05/16 11:42	74-95-3	
Dichlorodifluoromethane	<2.2	ug/L	10.0	2.2	10		12/05/16 11:42	75-71-8	
Diisopropyl ether	<5.0	ug/L	10.0	5.0	10		12/05/16 11:42	108-20-3	
Ethylbenzene	<5.0	ug/L	10.0	5.0	10		12/05/16 11:42	100-41-4	
Hexachloro-1,3-butadiene	<21.1	ug/L	50.0	21.1	10		12/05/16 11:42	87-68-3	
Isopropylbenzene (Cumene)	<1.4	ug/L	10.0	1.4	10		12/05/16 11:42	98-82-8	
Methyl-tert-butyl ether	<1.7	ug/L	10.0	1.7	10		12/05/16 11:42	1634-04-4	
Methylene Chloride	<2.3	ug/L	10.0	2.3	10		12/05/16 11:42	75-09-2	
Naphthalene	<25.0	ug/L	50.0	25.0	10		12/05/16 11:42	91-20-3	
Styrene	<5.0	ug/L	10.0	5.0	10		12/05/16 11:42	100-42-5	
Tetrachloroethene	<5.0	ug/L	10.0	5.0	10		12/05/16 11:42	127-18-4	
Toluene	<5.0	ug/L	10.0	5.0	10		12/05/16 11:42	108-88-3	
Trichloroethene	<3.3	ug/L	10.0	3.3	10		12/05/16 11:42	79-01-6	
Trichlorofluoromethane	<1.8	ug/L	10.0	1.8	10		12/05/16 11:42	75-69-4	
Vinyl chloride	<1.8	ug/L	10.0	1.8	10		12/05/16 11:42	75-01-4	
cis-1,2-Dichloroethene	<2.6	ug/L	10.0	2.6	10		12/05/16 11:42	156-59-2	
cis-1,3-Dichloropropene	<5.0	ug/L	10.0	5.0	10		12/05/16 11:42	10061-01-5	
m&p-Xylene	<10.0	ug/L	20.0	10.0	10		12/05/16 11:42	179601-23-1	
n-Butylbenzene	<5.0	ug/L	10.0	5.0	10		12/05/16 11:42	104-51-8	
n-Propylbenzene	<5.0	ug/L	10.0	5.0	10		12/05/16 11:42	103-65-1	
o-Xylene	<5.0	ug/L	10.0	5.0	10		12/05/16 11:42	95-47-6	
p-Isopropyltoluene	<5.0	ug/L	10.0	5.0	10		12/05/16 11:42	99-87-6	
sec-Butylbenzene	<21.9	ug/L	50.0	21.9	10		12/05/16 11:42	135-98-8	
tert-Butylbenzene	<1.8	ug/L	10.0	1.8	10		12/05/16 11:42	98-06-6	
trans-1,2-Dichloroethene	<2.6	ug/L	10.0	2.6	10		12/05/16 11:42	156-60-5	
trans-1,3-Dichloropropene	<2.3	ug/L	10.0	2.3	10		12/05/16 11:42	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		10		12/05/16 11:42	460-00-4	D3
Dibromofluoromethane (S)	111	%	70-130		10		12/05/16 11:42	1868-53-7	
Toluene-d8 (S)	87	%	70-130		10		12/05/16 11:42	2037-26-5	

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ANALYTICAL RESULTS

Project: 1434A TD P3 CR

Pace Project No.: 40142843

Sample: MW-6 **Lab ID: 40142843003** Collected: 11/30/16 00:00 Received: 12/01/16 15:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<4.5	ug/L	25.0	4.5	25		12/05/16 12:04	630-20-6	
1,1,1-Trichloroethane	16.6J	ug/L	25.0	12.5	25		12/05/16 12:04	71-55-6	
1,1,2,2-Tetrachloroethane	<6.2	ug/L	25.0	6.2	25		12/05/16 12:04	79-34-5	
1,1,2-Trichloroethane	<4.9	ug/L	25.0	4.9	25		12/05/16 12:04	79-00-5	
1,1-Dichloroethane	174	ug/L	25.0	6.0	25		12/05/16 12:04	75-34-3	
1,1-Dichloroethene	<10.3	ug/L	25.0	10.3	25		12/05/16 12:04	75-35-4	
1,1-Dichloropropene	<11.0	ug/L	25.0	11.0	25		12/05/16 12:04	563-58-6	
1,2,3-Trichlorobenzene	<53.3	ug/L	125	53.3	25		12/05/16 12:04	87-61-6	
1,2,3-Trichloropropane	<12.5	ug/L	25.0	12.5	25		12/05/16 12:04	96-18-4	
1,2,4-Trichlorobenzene	<55.2	ug/L	125	55.2	25		12/05/16 12:04	120-82-1	
1,2,4-Trimethylbenzene	<12.5	ug/L	25.0	12.5	25		12/05/16 12:04	95-63-6	
1,2-Dibromo-3-chloropropane	<54.1	ug/L	125	54.1	25		12/05/16 12:04	96-12-8	
1,2-Dibromoethane (EDB)	<4.4	ug/L	25.0	4.4	25		12/05/16 12:04	106-93-4	
1,2-Dichlorobenzene	<12.5	ug/L	25.0	12.5	25		12/05/16 12:04	95-50-1	
1,2-Dichloroethane	<4.2	ug/L	25.0	4.2	25		12/05/16 12:04	107-06-2	
1,2-Dichloropropane	<5.8	ug/L	25.0	5.8	25		12/05/16 12:04	78-87-5	
1,3,5-Trimethylbenzene	<12.5	ug/L	25.0	12.5	25		12/05/16 12:04	108-67-8	
1,3-Dichlorobenzene	<12.5	ug/L	25.0	12.5	25		12/05/16 12:04	541-73-1	
1,3-Dichloropropane	<12.5	ug/L	25.0	12.5	25		12/05/16 12:04	142-28-9	
1,4-Dichlorobenzene	<12.5	ug/L	25.0	12.5	25		12/05/16 12:04	106-46-7	
2,2-Dichloropropane	<12.1	ug/L	25.0	12.1	25		12/05/16 12:04	594-20-7	
2-Chlorotoluene	<12.5	ug/L	25.0	12.5	25		12/05/16 12:04	95-49-8	
4-Chlorotoluene	<5.3	ug/L	25.0	5.3	25		12/05/16 12:04	106-43-4	
Benzene	<12.5	ug/L	25.0	12.5	25		12/05/16 12:04	71-43-2	
Bromobenzene	<5.8	ug/L	25.0	5.8	25		12/05/16 12:04	108-86-1	
Bromochloromethane	<8.5	ug/L	25.0	8.5	25		12/05/16 12:04	74-97-5	
Bromodichloromethane	<12.5	ug/L	25.0	12.5	25		12/05/16 12:04	75-27-4	
Bromoform	<12.5	ug/L	25.0	12.5	25		12/05/16 12:04	75-25-2	
Bromomethane	<60.9	ug/L	125	60.9	25		12/05/16 12:04	74-83-9	
Carbon tetrachloride	<12.5	ug/L	25.0	12.5	25		12/05/16 12:04	56-23-5	
Chlorobenzene	<12.5	ug/L	25.0	12.5	25		12/05/16 12:04	108-90-7	
Chloroethane	16.8J	ug/L	25.0	9.4	25		12/05/16 12:04	75-00-3	
Chloroform	<62.5	ug/L	125	62.5	25		12/05/16 12:04	67-66-3	
Chloromethane	<12.5	ug/L	25.0	12.5	25		12/05/16 12:04	74-87-3	
Dibromochloromethane	<12.5	ug/L	25.0	12.5	25		12/05/16 12:04	124-48-1	
Dibromomethane	<10.7	ug/L	25.0	10.7	25		12/05/16 12:04	74-95-3	
Dichlorodifluoromethane	<5.6	ug/L	25.0	5.6	25		12/05/16 12:04	75-71-8	
Diisopropyl ether	<12.5	ug/L	25.0	12.5	25		12/05/16 12:04	108-20-3	
Ethylbenzene	<12.5	ug/L	25.0	12.5	25		12/05/16 12:04	100-41-4	
Hexachloro-1,3-butadiene	<52.6	ug/L	125	52.6	25		12/05/16 12:04	87-68-3	
Isopropylbenzene (Cumene)	<3.6	ug/L	25.0	3.6	25		12/05/16 12:04	98-82-8	
Methyl-tert-butyl ether	<4.4	ug/L	25.0	4.4	25		12/05/16 12:04	1634-04-4	
Methylene Chloride	<5.8	ug/L	25.0	5.8	25		12/05/16 12:04	75-09-2	
Naphthalene	<62.5	ug/L	125	62.5	25		12/05/16 12:04	91-20-3	
Styrene	<12.5	ug/L	25.0	12.5	25		12/05/16 12:04	100-42-5	
Tetrachloroethene	<12.5	ug/L	25.0	12.5	25		12/05/16 12:04	127-18-4	

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ANALYTICAL RESULTS

Project: 1434A TD P3 CR

Pace Project No.: 40142843

Sample: MW-6 **Lab ID: 40142843003** Collected: 11/30/16 00:00 Received: 12/01/16 15:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Toluene	<12.5	ug/L	25.0	12.5	25		12/05/16 12:04	108-88-3	
Trichloroethene	<8.3	ug/L	25.0	8.3	25		12/05/16 12:04	79-01-6	
Trichlorofluoromethane	<4.6	ug/L	25.0	4.6	25		12/05/16 12:04	75-69-4	
Vinyl chloride	<4.4	ug/L	25.0	4.4	25		12/05/16 12:04	75-01-4	
cis-1,2-Dichloroethene	<6.4	ug/L	25.0	6.4	25		12/05/16 12:04	156-59-2	
cis-1,3-Dichloropropene	<12.5	ug/L	25.0	12.5	25		12/05/16 12:04	10061-01-5	
m&p-Xylene	<25.0	ug/L	50.0	25.0	25		12/05/16 12:04	179601-23-1	
n-Butylbenzene	<12.5	ug/L	25.0	12.5	25		12/05/16 12:04	104-51-8	
n-Propylbenzene	<12.5	ug/L	25.0	12.5	25		12/05/16 12:04	103-65-1	
o-Xylene	<12.5	ug/L	25.0	12.5	25		12/05/16 12:04	95-47-6	
p-Isopropyltoluene	<12.5	ug/L	25.0	12.5	25		12/05/16 12:04	99-87-6	
sec-Butylbenzene	<54.7	ug/L	125	54.7	25		12/05/16 12:04	135-98-8	
tert-Butylbenzene	<4.5	ug/L	25.0	4.5	25		12/05/16 12:04	98-06-6	
trans-1,2-Dichloroethene	<6.4	ug/L	25.0	6.4	25		12/05/16 12:04	156-60-5	
trans-1,3-Dichloropropene	<5.7	ug/L	25.0	5.7	25		12/05/16 12:04	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		25		12/05/16 12:04	460-00-4	D3
Dibromofluoromethane (S)	112	%	70-130		25		12/05/16 12:04	1868-53-7	
Toluene-d8 (S)	88	%	70-130		25		12/05/16 12:04	2037-26-5	

Sample: MW-10 **Lab ID: 40142843004** Collected: 11/30/16 00:00 Received: 12/01/16 15:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	2.0	0.36	2		12/05/16 10:58	630-20-6	
1,1,1-Trichloroethane	59.0	ug/L	2.0	1.0	2		12/05/16 10:58	71-55-6	
1,1,1,2,2-Tetrachloroethane	<0.50	ug/L	2.0	0.50	2		12/05/16 10:58	79-34-5	
1,1,2-Trichloroethane	<0.39	ug/L	2.0	0.39	2		12/05/16 10:58	79-00-5	
1,1-Dichloroethane	40.0	ug/L	2.0	0.48	2		12/05/16 10:58	75-34-3	
1,1-Dichloroethene	1.2J	ug/L	2.0	0.82	2		12/05/16 10:58	75-35-4	
1,1-Dichloropropene	<0.88	ug/L	2.0	0.88	2		12/05/16 10:58	563-58-6	
1,2,3-Trichlorobenzene	<4.3	ug/L	10.0	4.3	2		12/05/16 10:58	87-61-6	
1,2,3-Trichloropropane	<1.0	ug/L	2.0	1.0	2		12/05/16 10:58	96-18-4	
1,2,4-Trichlorobenzene	<4.4	ug/L	10.0	4.4	2		12/05/16 10:58	120-82-1	
1,2,4-Trimethylbenzene	<1.0	ug/L	2.0	1.0	2		12/05/16 10:58	95-63-6	
1,2-Dibromo-3-chloropropane	<4.3	ug/L	10.0	4.3	2		12/05/16 10:58	96-12-8	
1,2-Dibromoethane (EDB)	<0.36	ug/L	2.0	0.36	2		12/05/16 10:58	106-93-4	
1,2-Dichlorobenzene	<1.0	ug/L	2.0	1.0	2		12/05/16 10:58	95-50-1	
1,2-Dichloroethane	<0.34	ug/L	2.0	0.34	2		12/05/16 10:58	107-06-2	
1,2-Dichloropropane	<0.47	ug/L	2.0	0.47	2		12/05/16 10:58	78-87-5	
1,3,5-Trimethylbenzene	<1.0	ug/L	2.0	1.0	2		12/05/16 10:58	108-67-8	
1,3-Dichlorobenzene	<1.0	ug/L	2.0	1.0	2		12/05/16 10:58	541-73-1	
1,3-Dichloropropane	<1.0	ug/L	2.0	1.0	2		12/05/16 10:58	142-28-9	

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ANALYTICAL RESULTS

Project: 1434A TD P3 CR

Pace Project No.: 40142843

Sample: MW-10 **Lab ID: 40142843004** Collected: 11/30/16 00:00 Received: 12/01/16 15:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,4-Dichlorobenzene	<1.0	ug/L	2.0	1.0	2		12/05/16 10:58	106-46-7	
2,2-Dichloropropane	<0.97	ug/L	2.0	0.97	2		12/05/16 10:58	594-20-7	
2-Chlorotoluene	<1.0	ug/L	2.0	1.0	2		12/05/16 10:58	95-49-8	
4-Chlorotoluene	<0.43	ug/L	2.0	0.43	2		12/05/16 10:58	106-43-4	
Benzene	<1.0	ug/L	2.0	1.0	2		12/05/16 10:58	71-43-2	
Bromobenzene	<0.46	ug/L	2.0	0.46	2		12/05/16 10:58	108-86-1	
Bromochloromethane	<0.68	ug/L	2.0	0.68	2		12/05/16 10:58	74-97-5	
Bromodichloromethane	<1.0	ug/L	2.0	1.0	2		12/05/16 10:58	75-27-4	
Bromoform	<1.0	ug/L	2.0	1.0	2		12/05/16 10:58	75-25-2	
Bromomethane	<4.9	ug/L	10.0	4.9	2		12/05/16 10:58	74-83-9	
Carbon tetrachloride	<1.0	ug/L	2.0	1.0	2		12/05/16 10:58	56-23-5	
Chlorobenzene	<1.0	ug/L	2.0	1.0	2		12/05/16 10:58	108-90-7	
Chloroethane	1.9J	ug/L	2.0	0.75	2		12/05/16 10:58	75-00-3	
Chloroform	<5.0	ug/L	10.0	5.0	2		12/05/16 10:58	67-66-3	
Chloromethane	<1.0	ug/L	2.0	1.0	2		12/05/16 10:58	74-87-3	
Dibromochloromethane	<1.0	ug/L	2.0	1.0	2		12/05/16 10:58	124-48-1	
Dibromomethane	<0.85	ug/L	2.0	0.85	2		12/05/16 10:58	74-95-3	
Dichlorodifluoromethane	<0.45	ug/L	2.0	0.45	2		12/05/16 10:58	75-71-8	
Diisopropyl ether	<1.0	ug/L	2.0	1.0	2		12/05/16 10:58	108-20-3	
Ethylbenzene	<1.0	ug/L	2.0	1.0	2		12/05/16 10:58	100-41-4	
Hexachloro-1,3-butadiene	<4.2	ug/L	10.0	4.2	2		12/05/16 10:58	87-68-3	
Isopropylbenzene (Cumene)	<0.29	ug/L	2.0	0.29	2		12/05/16 10:58	98-82-8	
Methyl-tert-butyl ether	<0.35	ug/L	2.0	0.35	2		12/05/16 10:58	1634-04-4	
Methylene Chloride	<0.47	ug/L	2.0	0.47	2		12/05/16 10:58	75-09-2	
Naphthalene	<5.0	ug/L	10.0	5.0	2		12/05/16 10:58	91-20-3	
Styrene	<1.0	ug/L	2.0	1.0	2		12/05/16 10:58	100-42-5	
Tetrachloroethene	<1.0	ug/L	2.0	1.0	2		12/05/16 10:58	127-18-4	
Toluene	<1.0	ug/L	2.0	1.0	2		12/05/16 10:58	108-88-3	
Trichloroethene	<0.66	ug/L	2.0	0.66	2		12/05/16 10:58	79-01-6	
Trichlorofluoromethane	<0.37	ug/L	2.0	0.37	2		12/05/16 10:58	75-69-4	
Vinyl chloride	306	ug/L	2.0	0.35	2		12/05/16 10:58	75-01-4	
cis-1,2-Dichloroethene	1.3J	ug/L	2.0	0.51	2		12/05/16 10:58	156-59-2	
cis-1,3-Dichloropropene	<1.0	ug/L	2.0	1.0	2		12/05/16 10:58	10061-01-5	
m&p-Xylene	<2.0	ug/L	4.0	2.0	2		12/05/16 10:58	179601-23-1	
n-Butylbenzene	<1.0	ug/L	2.0	1.0	2		12/05/16 10:58	104-51-8	
n-Propylbenzene	<1.0	ug/L	2.0	1.0	2		12/05/16 10:58	103-65-1	
o-Xylene	<1.0	ug/L	2.0	1.0	2		12/05/16 10:58	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	2.0	1.0	2		12/05/16 10:58	99-87-6	
sec-Butylbenzene	<4.4	ug/L	10.0	4.4	2		12/05/16 10:58	135-98-8	
tert-Butylbenzene	<0.36	ug/L	2.0	0.36	2		12/05/16 10:58	98-06-6	
trans-1,2-Dichloroethene	5.7	ug/L	2.0	0.51	2		12/05/16 10:58	156-60-5	
trans-1,3-Dichloropropene	<0.46	ug/L	2.0	0.46	2		12/05/16 10:58	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		2		12/05/16 10:58	460-00-4	
Dibromofluoromethane (S)	114	%	70-130		2		12/05/16 10:58	1868-53-7	
Toluene-d8 (S)	88	%	70-130		2		12/05/16 10:58	2037-26-5	

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ANALYTICAL RESULTS

Project: 1434A TD P3 CR

Pace Project No.: 40142843

Sample: MW-24 **Lab ID: 40142843005** Collected: 11/30/16 00:00 Received: 12/01/16 15:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.72	ug/L	4.0	0.72	4		12/05/16 10:36	630-20-6	
1,1,1-Trichloroethane	55.4	ug/L	4.0	2.0	4		12/05/16 10:36	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	4.0	1.0	4		12/05/16 10:36	79-34-5	
1,1,2-Trichloroethane	<0.79	ug/L	4.0	0.79	4		12/05/16 10:36	79-00-5	
1,1-Dichloroethane	363	ug/L	4.0	0.97	4		12/05/16 10:36	75-34-3	
1,1-Dichloroethene	2.3J	ug/L	4.0	1.6	4		12/05/16 10:36	75-35-4	
1,1-Dichloropropene	<1.8	ug/L	4.0	1.8	4		12/05/16 10:36	563-58-6	
1,2,3-Trichlorobenzene	<8.5	ug/L	20.0	8.5	4		12/05/16 10:36	87-61-6	
1,2,3-Trichloropropane	<2.0	ug/L	4.0	2.0	4		12/05/16 10:36	96-18-4	
1,2,4-Trichlorobenzene	<8.8	ug/L	20.0	8.8	4		12/05/16 10:36	120-82-1	
1,2,4-Trimethylbenzene	<2.0	ug/L	4.0	2.0	4		12/05/16 10:36	95-63-6	
1,2-Dibromo-3-chloropropane	<8.7	ug/L	20.0	8.7	4		12/05/16 10:36	96-12-8	
1,2-Dibromoethane (EDB)	<0.71	ug/L	4.0	0.71	4		12/05/16 10:36	106-93-4	
1,2-Dichlorobenzene	<2.0	ug/L	4.0	2.0	4		12/05/16 10:36	95-50-1	
1,2-Dichloroethane	1.7J	ug/L	4.0	0.67	4		12/05/16 10:36	107-06-2	
1,2-Dichloropropane	<0.93	ug/L	4.0	0.93	4		12/05/16 10:36	78-87-5	
1,3,5-Trimethylbenzene	<2.0	ug/L	4.0	2.0	4		12/05/16 10:36	108-67-8	
1,3-Dichlorobenzene	<2.0	ug/L	4.0	2.0	4		12/05/16 10:36	541-73-1	
1,3-Dichloropropane	<2.0	ug/L	4.0	2.0	4		12/05/16 10:36	142-28-9	
1,4-Dichlorobenzene	<2.0	ug/L	4.0	2.0	4		12/05/16 10:36	106-46-7	
2,2-Dichloropropane	<1.9	ug/L	4.0	1.9	4		12/05/16 10:36	594-20-7	
2-Chlorotoluene	<2.0	ug/L	4.0	2.0	4		12/05/16 10:36	95-49-8	
4-Chlorotoluene	<0.85	ug/L	4.0	0.85	4		12/05/16 10:36	106-43-4	
Benzene	<2.0	ug/L	4.0	2.0	4		12/05/16 10:36	71-43-2	
Bromobenzene	<0.92	ug/L	4.0	0.92	4		12/05/16 10:36	108-86-1	
Bromochloromethane	<1.4	ug/L	4.0	1.4	4		12/05/16 10:36	74-97-5	
Bromodichloromethane	<2.0	ug/L	4.0	2.0	4		12/05/16 10:36	75-27-4	
Bromoform	<2.0	ug/L	4.0	2.0	4		12/05/16 10:36	75-25-2	
Bromomethane	<9.7	ug/L	20.0	9.7	4		12/05/16 10:36	74-83-9	
Carbon tetrachloride	<2.0	ug/L	4.0	2.0	4		12/05/16 10:36	56-23-5	
Chlorobenzene	<2.0	ug/L	4.0	2.0	4		12/05/16 10:36	108-90-7	
Chloroethane	32.2	ug/L	4.0	1.5	4		12/05/16 10:36	75-00-3	
Chloroform	<10.0	ug/L	20.0	10.0	4		12/05/16 10:36	67-66-3	
Chloromethane	<2.0	ug/L	4.0	2.0	4		12/05/16 10:36	74-87-3	
Dibromochloromethane	<2.0	ug/L	4.0	2.0	4		12/05/16 10:36	124-48-1	
Dibromomethane	<1.7	ug/L	4.0	1.7	4		12/05/16 10:36	74-95-3	
Dichlorodifluoromethane	<0.90	ug/L	4.0	0.90	4		12/05/16 10:36	75-71-8	
Diisopropyl ether	<2.0	ug/L	4.0	2.0	4		12/05/16 10:36	108-20-3	
Ethylbenzene	<2.0	ug/L	4.0	2.0	4		12/05/16 10:36	100-41-4	
Hexachloro-1,3-butadiene	<8.4	ug/L	20.0	8.4	4		12/05/16 10:36	87-68-3	
Isopropylbenzene (Cumene)	<0.57	ug/L	4.0	0.57	4		12/05/16 10:36	98-82-8	
Methyl-tert-butyl ether	<0.70	ug/L	4.0	0.70	4		12/05/16 10:36	1634-04-4	
Methylene Chloride	2.2J	ug/L	4.0	0.93	4		12/05/16 10:36	75-09-2	
Naphthalene	<10.0	ug/L	20.0	10.0	4		12/05/16 10:36	91-20-3	
Styrene	<2.0	ug/L	4.0	2.0	4		12/05/16 10:36	100-42-5	
Tetrachloroethene	<2.0	ug/L	4.0	2.0	4		12/05/16 10:36	127-18-4	

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ANALYTICAL RESULTS

Project: 1434A TD P3 CR

Pace Project No.: 40142843

Sample: **MW-24** Lab ID: **40142843005** Collected: 11/30/16 00:00 Received: 12/01/16 15:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Toluene	<2.0	ug/L	4.0	2.0	4		12/05/16 10:36	108-88-3	
Trichloroethene	<1.3	ug/L	4.0	1.3	4		12/05/16 10:36	79-01-6	
Trichlorofluoromethane	<0.74	ug/L	4.0	0.74	4		12/05/16 10:36	75-69-4	
Vinyl chloride	3.7J	ug/L	4.0	0.70	4		12/05/16 10:36	75-01-4	
cis-1,2-Dichloroethene	<1.0	ug/L	4.0	1.0	4		12/05/16 10:36	156-59-2	
cis-1,3-Dichloropropene	<2.0	ug/L	4.0	2.0	4		12/05/16 10:36	10061-01-5	
m&p-Xylene	<4.0	ug/L	8.0	4.0	4		12/05/16 10:36	179601-23-1	
n-Butylbenzene	<2.0	ug/L	4.0	2.0	4		12/05/16 10:36	104-51-8	
n-Propylbenzene	<2.0	ug/L	4.0	2.0	4		12/05/16 10:36	103-65-1	
o-Xylene	<2.0	ug/L	4.0	2.0	4		12/05/16 10:36	95-47-6	
p-Isopropyltoluene	<2.0	ug/L	4.0	2.0	4		12/05/16 10:36	99-87-6	
sec-Butylbenzene	<8.7	ug/L	20.0	8.7	4		12/05/16 10:36	135-98-8	
tert-Butylbenzene	<0.72	ug/L	4.0	0.72	4		12/05/16 10:36	98-06-6	
trans-1,2-Dichloroethene	<1.0	ug/L	4.0	1.0	4		12/05/16 10:36	156-60-5	
trans-1,3-Dichloropropene	<0.92	ug/L	4.0	0.92	4		12/05/16 10:36	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		4		12/05/16 10:36	460-00-4	
Dibromofluoromethane (S)	114	%	70-130		4		12/05/16 10:36	1868-53-7	
Toluene-d8 (S)	87	%	70-130		4		12/05/16 10:36	2037-26-5	

Sample: **TRIP BLANK** Lab ID: **40142843006** Collected: 11/30/16 00:00 Received: 12/01/16 15:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		12/05/16 14:16	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/05/16 14:16	71-55-6	
1,1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		12/05/16 14:16	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		12/05/16 14:16	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/05/16 14:16	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/05/16 14:16	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		12/05/16 14:16	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		12/05/16 14:16	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		12/05/16 14:16	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		12/05/16 14:16	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		12/05/16 14:16	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		12/05/16 14:16	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		12/05/16 14:16	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		12/05/16 14:16	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		12/05/16 14:16	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		12/05/16 14:16	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		12/05/16 14:16	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		12/05/16 14:16	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		12/05/16 14:16	142-28-9	

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ANALYTICAL RESULTS

Project: 1434A TD P3 CR

Pace Project No.: 40142843

Sample: TRIP BLANK **Lab ID: 40142843006** Collected: 11/30/16 00:00 Received: 12/01/16 15:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		12/05/16 14:16	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		12/05/16 14:16	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		12/05/16 14:16	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		12/05/16 14:16	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		12/05/16 14:16	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		12/05/16 14:16	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		12/05/16 14:16	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		12/05/16 14:16	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		12/05/16 14:16	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		12/05/16 14:16	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		12/05/16 14:16	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		12/05/16 14:16	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		12/05/16 14:16	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		12/05/16 14:16	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		12/05/16 14:16	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		12/05/16 14:16	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		12/05/16 14:16	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		12/05/16 14:16	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		12/05/16 14:16	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		12/05/16 14:16	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		12/05/16 14:16	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		12/05/16 14:16	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		12/05/16 14:16	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		12/05/16 14:16	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		12/05/16 14:16	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		12/05/16 14:16	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/05/16 14:16	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		12/05/16 14:16	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/05/16 14:16	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		12/05/16 14:16	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		12/05/16 14:16	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		12/05/16 14:16	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		12/05/16 14:16	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		12/05/16 14:16	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		12/05/16 14:16	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		12/05/16 14:16	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		12/05/16 14:16	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		12/05/16 14:16	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		12/05/16 14:16	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		12/05/16 14:16	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		12/05/16 14:16	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		12/05/16 14:16	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		12/05/16 14:16	460-00-4	
Dibromofluoromethane (S)	114	%	70-130		1		12/05/16 14:16	1868-53-7	
Toluene-d8 (S)	89	%	70-130		1		12/05/16 14:16	2037-26-5	

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QUALITY CONTROL DATA

Project: 1434A TD P3 CR

Pace Project No.: 40142843

QC Batch: 243092

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV

Associated Lab Samples: 40142843001, 40142843002, 40142843003, 40142843004, 40142843005, 40142843006

METHOD BLANK: 1440022

Matrix: Water

Associated Lab Samples: 40142843001, 40142843002, 40142843003, 40142843004, 40142843005, 40142843006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	12/05/16 06:55	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	12/05/16 06:55	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	12/05/16 06:55	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	12/05/16 06:55	
1,1-Dichloroethane	ug/L	<0.24	1.0	12/05/16 06:55	
1,1-Dichloroethene	ug/L	<0.41	1.0	12/05/16 06:55	
1,1-Dichloropropene	ug/L	<0.44	1.0	12/05/16 06:55	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	12/05/16 06:55	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	12/05/16 06:55	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	12/05/16 06:55	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	12/05/16 06:55	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	12/05/16 06:55	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	12/05/16 06:55	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	12/05/16 06:55	
1,2-Dichloroethane	ug/L	<0.17	1.0	12/05/16 06:55	
1,2-Dichloropropane	ug/L	<0.23	1.0	12/05/16 06:55	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	12/05/16 06:55	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	12/05/16 06:55	
1,3-Dichloropropane	ug/L	<0.50	1.0	12/05/16 06:55	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	12/05/16 06:55	
2,2-Dichloropropane	ug/L	<0.48	1.0	12/05/16 06:55	
2-Chlorotoluene	ug/L	<0.50	1.0	12/05/16 06:55	
4-Chlorotoluene	ug/L	<0.21	1.0	12/05/16 06:55	
Benzene	ug/L	<0.50	1.0	12/05/16 06:55	
Bromobenzene	ug/L	<0.23	1.0	12/05/16 06:55	
Bromochloromethane	ug/L	<0.34	1.0	12/05/16 06:55	
Bromodichloromethane	ug/L	<0.50	1.0	12/05/16 06:55	
Bromoform	ug/L	<0.50	1.0	12/05/16 06:55	
Bromomethane	ug/L	<2.4	5.0	12/05/16 06:55	
Carbon tetrachloride	ug/L	<0.50	1.0	12/05/16 06:55	
Chlorobenzene	ug/L	<0.50	1.0	12/05/16 06:55	
Chloroethane	ug/L	<0.37	1.0	12/05/16 06:55	
Chloroform	ug/L	<2.5	5.0	12/05/16 06:55	
Chloromethane	ug/L	<0.50	1.0	12/05/16 06:55	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	12/05/16 06:55	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	12/05/16 06:55	
Dibromochloromethane	ug/L	<0.50	1.0	12/05/16 06:55	
Dibromomethane	ug/L	<0.43	1.0	12/05/16 06:55	
Dichlorodifluoromethane	ug/L	<0.22	1.0	12/05/16 06:55	
Diisopropyl ether	ug/L	<0.50	1.0	12/05/16 06:55	
Ethylbenzene	ug/L	<0.50	1.0	12/05/16 06:55	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1434A TD P3 CR

Pace Project No.: 40142843

METHOD BLANK: 1440022

Matrix: Water

Associated Lab Samples: 40142843001, 40142843002, 40142843003, 40142843004, 40142843005, 40142843006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	12/05/16 06:55	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	12/05/16 06:55	
m&p-Xylene	ug/L	<1.0	2.0	12/05/16 06:55	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	12/05/16 06:55	
Methylene Chloride	ug/L	<0.23	1.0	12/05/16 06:55	
n-Butylbenzene	ug/L	<0.50	1.0	12/05/16 06:55	
n-Propylbenzene	ug/L	<0.50	1.0	12/05/16 06:55	
Naphthalene	ug/L	<2.5	5.0	12/05/16 06:55	
o-Xylene	ug/L	<0.50	1.0	12/05/16 06:55	
p-Isopropyltoluene	ug/L	<0.50	1.0	12/05/16 06:55	
sec-Butylbenzene	ug/L	<2.2	5.0	12/05/16 06:55	
Styrene	ug/L	<0.50	1.0	12/05/16 06:55	
tert-Butylbenzene	ug/L	<0.18	1.0	12/05/16 06:55	
Tetrachloroethene	ug/L	<0.50	1.0	12/05/16 06:55	
Toluene	ug/L	<0.50	1.0	12/05/16 06:55	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	12/05/16 06:55	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	12/05/16 06:55	
Trichloroethene	ug/L	<0.33	1.0	12/05/16 06:55	
Trichlorofluoromethane	ug/L	<0.18	1.0	12/05/16 06:55	
Vinyl chloride	ug/L	<0.18	1.0	12/05/16 06:55	
4-Bromofluorobenzene (S)	%	96	70-130	12/05/16 06:55	
Dibromofluoromethane (S)	%	103	70-130	12/05/16 06:55	
Toluene-d8 (S)	%	90	70-130	12/05/16 06:55	

LABORATORY CONTROL SAMPLE: 1440023

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	63.2	126	70-131	
1,1,2,2-Tetrachloroethane	ug/L	50	43.5	87	67-130	
1,1,2-Trichloroethane	ug/L	50	44.6	89	70-130	
1,1-Dichloroethane	ug/L	50	58.8	118	70-133	
1,1-Dichloroethene	ug/L	50	50.7	101	70-130	
1,2,4-Trichlorobenzene	ug/L	50	45.0	90	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	40.1	80	50-150	
1,2-Dibromoethane (EDB)	ug/L	50	47.1	94	70-130	
1,2-Dichlorobenzene	ug/L	50	46.1	92	70-130	
1,2-Dichloroethane	ug/L	50	55.5	111	70-130	
1,2-Dichloropropane	ug/L	50	48.5	97	70-130	
1,3-Dichlorobenzene	ug/L	50	46.2	92	70-130	
1,4-Dichlorobenzene	ug/L	50	45.8	92	70-130	
Benzene	ug/L	50	61.7	123	60-135	
Bromodichloromethane	ug/L	50	53.8	108	70-130	
Bromoform	ug/L	50	42.6	85	70-130	
Bromomethane	ug/L	50	30.8	62	33-130	

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QUALITY CONTROL DATA

Project: 1434A TD P3 CR

Pace Project No.: 40142843

LABORATORY CONTROL SAMPLE: 1440023

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	65.2	130	70-138	
Chlorobenzene	ug/L	50	47.1	94	70-130	
Chloroethane	ug/L	50	53.8	108	51-130	
Chloroform	ug/L	50	58.0	116	70-130	
Chloromethane	ug/L	50	54.9	110	25-132	
cis-1,2-Dichloroethene	ug/L	50	59.4	119	69-130	
cis-1,3-Dichloropropene	ug/L	50	50.2	100	70-130	
Dibromochloromethane	ug/L	50	46.4	93	70-130	
Dichlorodifluoromethane	ug/L	50	50.2	100	23-130	
Ethylbenzene	ug/L	50	48.7	97	70-136	
Isopropylbenzene (Cumene)	ug/L	50	47.9	96	70-140	
m&p-Xylene	ug/L	100	94.7	95	70-138	
Methyl-tert-butyl ether	ug/L	50	49.0	98	66-138	
Methylene Chloride	ug/L	50	47.1	94	70-130	
o-Xylene	ug/L	50	47.4	95	70-134	
Styrene	ug/L	50	42.3	85	70-133	
Tetrachloroethene	ug/L	50	44.3	89	70-138	
Toluene	ug/L	50	47.3	95	70-130	
trans-1,2-Dichloroethene	ug/L	50	49.8	100	70-131	
trans-1,3-Dichloropropene	ug/L	50	42.1	84	69-130	
Trichloroethene	ug/L	50	54.7	109	70-130	
Trichlorofluoromethane	ug/L	50	59.0	118	50-150	
Vinyl chloride	ug/L	50	53.6	107	49-130	
4-Bromofluorobenzene (S)	%			102	70-130	
Dibromofluoromethane (S)	%			113	70-130	
Toluene-d8 (S)	%			87	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1440750 1440751

Parameter	Units	40142779006		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec					
1,1,1-Trichloroethane	ug/L	<0.50	50	50	67.1	68.0	134	136	70-134	1	20	M1	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	45.6	47.6	91	95	67-130	4	20		
1,1,2-Trichloroethane	ug/L	<0.20	50	50	46.7	48.0	93	96	70-130	3	20		
1,1-Dichloroethane	ug/L	<0.24	50	50	63.0	63.4	126	127	70-134	1	20		
1,1-Dichloroethene	ug/L	<0.41	50	50	52.3	54.4	105	109	68-136	4	20		
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	48.1	49.4	96	98	62-139	3	20		
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	43.6	46.0	87	92	50-150	5	20		
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	49.3	50.2	99	100	70-130	2	20		
1,2-Dichlorobenzene	ug/L	<0.50	50	50	48.7	49.7	97	99	70-130	2	20		
1,2-Dichloroethane	ug/L	<0.17	50	50	58.9	60.2	118	120	70-130	2	20		
1,2-Dichloropropane	ug/L	<0.23	50	50	49.9	51.5	100	103	70-130	3	20		
1,3-Dichlorobenzene	ug/L	<0.50	50	50	49.9	50.8	100	102	70-131	2	20		
1,4-Dichlorobenzene	ug/L	<0.50	50	50	48.6	50.0	97	100	70-130	3	20		

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QUALITY CONTROL DATA

Project: 1434A TD P3 CR

Pace Project No.: 40142843

Parameter	Units	40142779006		1440750		1440751		% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec						
Benzene	ug/L	<0.50	50	50	65.4	66.5	131	133	57-138	2	20		
Bromodichloromethane	ug/L	<0.50	50	50	55.4	57.3	111	115	70-130	3	20		
Bromoform	ug/L	<0.50	50	50	43.6	44.5	87	89	70-130	2	20		
Bromomethane	ug/L	<2.4	50	50	34.4	38.0	69	76	33-130	10	27		
Carbon tetrachloride	ug/L	<0.50	50	50	68.3	69.8	137	140	70-138	2	20	M1	
Chlorobenzene	ug/L	<0.50	50	50	48.6	50.0	97	100	70-130	3	20		
Chloroethane	ug/L	<0.37	50	50	55.9	58.3	112	117	51-130	4	20		
Chloroform	ug/L	<2.5	50	50	60.0	61.5	120	123	70-130	2	20		
Chloromethane	ug/L	<0.50	50	50	59.3	59.4	119	119	25-132	0	20		
cis-1,2-Dichloroethene	ug/L	<0.26	50	50	62.9	65.5	126	131	61-140	4	20		
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	52.7	54.0	105	108	70-130	3	20		
Dibromochloromethane	ug/L	<0.50	50	50	48.3	49.3	97	99	70-130	2	20		
Dichlorodifluoromethane	ug/L	<0.22	50	50	52.1	52.2	104	104	23-130	0	20		
Ethylbenzene	ug/L	<0.50	50	50	50.0	51.5	100	103	70-138	3	20		
Isopropylbenzene (Cumene)	ug/L	<0.14	50	50	50.3	51.6	101	103	70-152	3	20		
m&p-Xylene	ug/L	<1.0	100	100	98.8	102	99	102	70-140	3	20		
Methyl-tert-butyl ether	ug/L	<0.17	50	50	51.3	53.1	103	106	66-139	3	20		
Methylene Chloride	ug/L	<0.23	50	50	50.0	51.4	100	103	70-130	3	20		
o-Xylene	ug/L	<0.50	50	50	49.3	50.3	99	101	70-134	2	20		
Styrene	ug/L	<0.50	50	50	44.0	45.1	88	90	70-138	3	20		
Tetrachloroethene	ug/L	<0.50	50	50	45.9	47.9	92	96	70-148	4	20		
Toluene	ug/L	<0.50	50	50	48.4	49.8	97	100	70-130	3	20		
trans-1,2-Dichloroethene	ug/L	<0.26	50	50	53.3	53.8	107	108	70-133	1	20		
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	43.0	44.2	86	88	69-130	3	20		
Trichloroethene	ug/L	<0.33	50	50	56.0	58.0	112	116	70-131	4	20		
Trichlorofluoromethane	ug/L	<0.18	50	50	63.4	64.6	127	129	50-150	2	20		
Vinyl chloride	ug/L	<0.18	50	50	57.1	58.1	114	116	49-133	2	20		
4-Bromofluorobenzene (S)	%						102	103	70-130				
Dibromofluoromethane (S)	%						116	114	70-130				
Toluene-d8 (S)	%						86	87	70-130				

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 1434A TD P3 CR

Pace Project No.: 40142843

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 and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

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

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1434A TD P3 CR

Pace Project No.: 40142843

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40142843001	MW-1	EPA 8260	243092		
40142843002	MW-2	EPA 8260	243092		
40142843003	MW-6	EPA 8260	243092		
40142843004	MW-10	EPA 8260	243092		
40142843005	MW-24	EPA 8260	243092		
40142843006	TRIP BLANK	EPA 8260	243092		

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

672

40142843

Section A Required Client Information: Company: Environmental Audits, Inc. Address: 1409 Hillcrest Circle Rachine, WI 53406
Section B Required Project Information: Report To: E Raymond
Section C Invoice Information: Attention: J. R. Ruetz

Company Name: Environmental Audits, Inc. Address: 11327 W Lincoln Ave, West Allis, WI 53227
 Pace Project Manager: Pace Profile #:
 Requested Due Date/TAT: Project Number: 1434 A

REGULATORY AGENCY
 NPDES GROUND WATER DRINKING WATER
 UST RCRA HER

SITE LOCATION
 3A L V T
 CH 3C A FHER

ITEM #	Section D Required Client Information SAMPLE ID One Character per box. (A-Z, 0-9 / , -) Samples IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX WATER WASTE WATER PROJECT DROPS/D WIRE AIR OTHER ISSUE	CODE DW WW PW P SL OT TS	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE/TIME COMPOSITE END/GRAB DATE/TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Requested Ante	Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project Number Lab ID.
									Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol				
1	MMV-1 DD1			WW	G	11/30/16		3									X		3-4DMVB
2	MMV-2 DD2			WW	G			3									X		
3	MMV-6 DD3			WW	G			3									X		
4	MMV-10 DD4			WW	G			3									X		
5	MMV-24 DD5			WW	G			3									X		2-4DMVB
6	DD Trip Blank																		
7																			
8																			
9																			
10																			
11																			
12																			

RELINQUISHED BY / AFFILIATION DATE TIME ACCEPTED BY / AFFILIATION DATE TIME

PRINT Name of SAMPLER: J. R. Ruetz
 SIGNATURE of SAMPLER: *J. R. Ruetz*
 DATE Signed: MM/DD/YY: 11/30/16

SAMPLER NAME AND SIGNATURE
 Mary Thompson 12/1/16 11:02
 Mary Thompson 12/1/16 14:05
 Mary Thompson 12/1/16 15:55

On shipment added to CCC mm/12.1.16

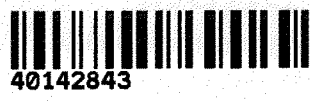
Sample Condition Upon Receipt

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



Client Name: Environmental audits Project # WO# : 40142843

Courier: Fed Ex UPS 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 NA Type of Ice: Wet Blue Dry None

Cooler Temperature ROI /Corr: _____ Samples on ice, cooling process has begun
Biological Tissue is Frozen: yes no

Temp Blank Present: yes no

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

Person examining contents:
Date: 12-1-16
Initials: mm

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. collect date filled in by lab.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. no collect time on vials.
-Includes date/time/ID/Analysis Matrix: <u>W</u>		<u>mm12116</u>
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. <input type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> NaOH + ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
exceptions: <input checked="" type="checkbox"/> VOA, <input type="checkbox"/> Poliform, <input type="checkbox"/> TOC, <input type="checkbox"/> TOX, <input type="checkbox"/> TOH, <input type="checkbox"/> O&G, <input type="checkbox"/> WIDROW, <input type="checkbox"/> Phenolics, OTHER:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed Lab Std #ID of preservative Date/Time:
Headspace in VOA Vials (>6mm):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14. 002-1 vial <u>mm12116</u>
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>36A</u>		

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

Project Manager Review: [Signature] Date: 12-1-16

**State of Wisconsin
Department of Natural Resources**

**Mann-Kendall Statistical Test
Form 4400-215 (2/2001)**

Remediation and Redevelopment Program

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Site Name : **Twin Disc Plant 3** BRRTS No. = **02-52-000072** Well Number = **MW-1**

Compound ->		DRO	1,1-DCA	1,1-DCE	1,1,1-TCA	TCE	Total VOC
Event Number	Sampling Date (most recent last)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)
1	17-Nov-12	2,090.00	92.70	5.70	9.00	4.80	111.11
2	18-May-13	2,530.00	98.00	4.30	4.40	4.30	116.10
3	16-Nov-13	1,810.00	109.00				153.40
4	30-Apr-14	454.00	65.80				78.90
5	10-Dec-14	902.00	86.80		91.10		192.50
6	27-Apr-15	365.00	76.10				90.60
7	4-Nov-15	99.40	95.80				121.50
8	15-Jun-16		99.80	0.66	35.20		157.56
9	30-Nov-16		88.70		33.10		142.60
10	16-Jun-17		70.20		7.10		117.50

Mann Kendall Statistic (S) =	-17.0	-7.0	-3.0	-1.0	-1.0	9.0
Number of Rounds (n) =	7	10	3	6	2	10
Average =	1178.63	88.29	3.55	29.98	4.55	128.18
Standard Deviation =	956.013	13.806	2.602	32.835	0.354	33.798
Coefficient of Variation(CV)=	0.811	0.156	0.732	1.095	0.078	0.264

Error Check, Blank if No Errors Detected n<4 n<4

Trend ≥ 80% Confidence Level	DECREASING	No Trend	n<4	No Trend	n<4	No Trend
Trend ≥ 90% Confidence Level	DECREASING	No Trend	n<4	No Trend	n<4	No Trend

Stability Test, If No Trend Exists at 80% Confidence Level	NA	CV ≤ 1 STABLE	n<4 n<4	CV > 1 NON-STABLE	n<4 n<4	CV ≤ 1 STABLE
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Data Entry By = **EER** Date = **26-Jun-17** Checked By = **EER**

**State of Wisconsin
Department of Natural Resources**

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Site Name : **Twin Disc Plant 3** BRRTS No. = **02-52-000072** Well Number = **MW-2**

Compound ->		DRO	1,1-DCA	Total VOC			
Event Number	Sampling Date (most recent last)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)
1	17-Nov-12	4,550.00	18.30	18.30			
2	18-May-13	2,920.00	21.90	32.40			
3	16-Nov-13	6,570.00	20.30	31.90			
4	11-Jun-14	6,950.00	614.00	784.30			
5	10-Dec-14	8,470.00	30.80	70.10			
6	23-Apr-15	1,070.00	18.30	28.26			
7	4-Nov-15	646.00	21.60	32.20			
8	15-Jun-16		27.30	77.40			
9	30-Nov-16		29.90	53.60			
10	16-Jun-17		19.40	38.20			

Mann Kendall Statistic (S) =	-3.0	4.0	11.0	0.0	0.0	0.0
Number of Rounds (n) =	7	10	10	0	0	0
Average =	4453.71	82.18	116.67	#DIV/0!	#DIV/0!	#DIV/0!
Standard Deviation =	3031.788	186.920	235.346	#DIV/0!	#DIV/0!	#DIV/0!
Coefficient of Variation(CV)=	0.681	2.275	2.017	#DIV/0!	#DIV/0!	#DIV/0!

Error Check, Blank if No Errors Detected n<4 n<4 n<4

Trend ≥ 80% Confidence Level	No Trend	No Trend	INCREASING	n<4	n<4	n<4
Trend ≥ 90% Confidence Level	No Trend	No Trend	No Trend	n<4	n<4	n<4

Stability Test, If No Trend Exists at 80% Confidence Level	CV ≤ 1 STABLE	CV > 1 NON-STABLE	NA	n<4 n<4	n<4 n<4	n<4 n<4
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Data Entry By = **EER** Date = **26-Jun-17** Checked By = **EER**

**State of Wisconsin
Department of Natural Resources**

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Site Name : **Twin Disc Plant 3** BRRTS No. = **02-52-000072** Well Number = **MW-6**

Compound ->		DRO	1,1-DCA	1,1-DCE	1,1,1-TCA	TCE	Total VOC
Event Number	Sampling Date (most recent last)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)
1	17-Nov-12	1,850.00	84.10	5.70	9.00	4.80	227.10
2	18-May-13	140.00	91.20	4.30	4.40	4.30	117.90
3	16-Nov-13	221.00	185.00				295.70
4	30-Apr-14		43.10		1.40		57.70
5	29-Oct-14	502.00	461.00	29.30	445.00	0.86	1,027.28
6	23-Apr-15	406.00	63.80		2.20		149.50
7	4-Nov-15	50.40	138.00	0.45		0.54	196.54
8	8-Jun-16		223.00				257.50
9	30-Nov-16		174.00		16.60		207.40
10	16-Jun-17		125.00				125.00

Mann Kendall Statistic (S) =	-5.0	9.0	-2.0	1.0	-6.0	-1.0
Number of Rounds (n) =	6	10	4	6	4	10
Average =	528.23	158.82	9.94	79.77	2.63	266.16
Standard Deviation =	668.751	120.416	13.098	179.015	2.236	276.697
Coefficient of Variation(CV)=	1.266	0.758	1.318	2.244	0.852	1.040

Error Check, Blank if No Errors Detected

Trend ≥ 80% Confidence Level	No Trend	No Trend	No Trend	No Trend	DECREASING	No Trend
Trend ≥ 90% Confidence Level	No Trend	No Trend	No Trend	No Trend	DECREASING	No Trend

Stability Test, If No Trend Exists at 80% Confidence Level	CV > 1 NON-STABLE	CV ≤ 1 STABLE	CV > 1 NON-STABLE	CV > 1 NON-STABLE	NA	CV > 1 NON-STABLE
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Data Entry By = **EER** Date = **26-Jun-17** Checked By = **EER**

**State of Wisconsin
Department of Natural Resources**

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Site Name : **Twin Disc Plant 3** BRRTS No. = **02-52-000072** Well Number = **MW-7**

Compound ->		DRO	1,1-DCA	Total VOC			
Event Number	Sampling Date (most recent last)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)
1	6-Dec-12	117.00	7.50				
2	18-May-13	91.30	2.80				
3	16-Nov-13	13.70					
4	30-Apr-14	51.60	7.30	10.04			
5	29-Oct-14	145.00	129.00	494.64			
6	23-Apr-15	109.00	3.60	7.14			
7	4-Nov-15	24.50	2.60	2.60			
8	6-Jun-16		2.70	2.70			
9	16-Nov-16		38.70	80.32			
10	16-Jun-17		5.50	5.50			

Mann Kendall Statistic (S) =	-3.0	-4.0	-5.0	0.0	0.0	0.0
Number of Rounds (n) =	7	9	7	0	0	0
Average =	78.87	22.19	86.13	#DIV/0!	#DIV/0!	#DIV/0!
Standard Deviation =	49.726	41.657	182.292	#DIV/0!	#DIV/0!	#DIV/0!
Coefficient of Variation(CV)=	0.630	1.877	2.116	#DIV/0!	#DIV/0!	#DIV/0!

Error Check, Blank if No Errors Detected n<4 n<4 n<4

Trend ≥ 80% Confidence Level	No Trend	No Trend	No Trend	n<4	n<4	n<4
Trend ≥ 90% Confidence Level	No Trend	No Trend	No Trend	n<4	n<4	n<4

Stability Test, If No Trend Exists at 80% Confidence Level	CV ≤ 1 STABLE	CV > 1 NON-STABLE	CV > 1 NON-STABLE	n<4	n<4	n<4
				n<4	n<4	n<4

Data Entry By = **EER** Date = **26-Jun-17** Checked By = **EER**

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Site Name : **Twin Disc Plant 3** BRRTS No. = **02-52-000072** Well Number = **MW-9**

Compound ->		DRO	1,1-DCA	cis-1,2-DCE	Total VOC		
Event Number	Sampling Date (most recent last)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)
1	17-Nov-12	72.50	0.75	1.50	1.50		
2	18-May-13	62.00	2.80	4.20			
3	16-Nov-13	471.00					
4	30-Apr-14	44.40		0.95	8.30		
5	29-Oct-14	64.40	76.40	1.50	363.90		
6	23-Apr-15	27.00	3.50	0.99	6.58		
7	11-Nov-15	16.00	6.40	1.00	11.80		
8	8-Jun-16		1.30	1.30	2.60		
9	16-Nov-16		16.30	1.30	39.40		
10	16-Jun-17		1.90	1.00	2.90		

Mann Kendall Statistic (S) =	-13.0	4.0	-7.0	2.0	0.0	0.0
Number of Rounds (n) =	7	8	9	8	0	0
Average =	108.19	13.67	1.53	54.62	#DIV/0!	#DIV/0!
Standard Deviation =	161.305	25.843	1.026	125.570	#DIV/0!	#DIV/0!
Coefficient of Variation(CV)=	1.491	1.891	0.672	2.299	#DIV/0!	#DIV/0!

Error Check, Blank if No Errors Detected n<4 n<4

Trend ≥ 80% Confidence Level	DECREASING	No Trend	No Trend	No Trend	n<4	n<4
Trend ≥ 90% Confidence Level	DECREASING	No Trend	No Trend	No Trend	n<4	n<4

Stability Test, If No Trend Exists at 80% Confidence Level	NA	CV > 1 NON-STABLE	CV ≤ 1 STABLE	CV > 1 NON-STABLE	n<4	n<4
					n<4	n<4

Data Entry By = **EER** Date = **26-Jun-17** Checked By = **EER**

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Site Name : **Twin Disc Plant 3** BRRTS No. = **02-52-000072** Well Number = **MW-10**

Compound ->		DRO	cis-1,2-DCE	trans-1,2-DCE	Tetra-CE	Vinyl Chloride	Total VOC
Event Number	Sampling Date (most recent last)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)
1	28-Apr-12	179.00	189.00	4.20	0.45	0.46	196.76
2	17-Nov-12	150.00	241.00	8.90	4.50		241.00
3	18-May-13	362.00	156.00	4.20	4.70		160.20
4	16-Nov-13	1,220.00	304.00	10.30		14.20	328.50
5	30-Apr-14	281.00	1.80	6.30	1.40	265.00	279.30
6	29-Oct-14	246.00	1.90	6.10	1.30	289.00	908.10
7	23-Apr-15	234.00	0.65	7.10		354.00	367.55
8	11-Nov-15	52.40	1.00	6.90		380.00	396.70
9	8-Jun-16		0.64	5.60		232.00	242.94
10	30-Nov-16		1.30	5.70		306.00	415.10

Mann Kendall Statistic (S) =	-6.0	-27.0	-2.0	0.0	16.0	23.0
Number of Rounds (n) =	8	10	10	5	8	10
Average =	340.55	89.73	6.53	2.47	230.08	353.62
Standard Deviation =	367.067	120.209	1.913	1.980	145.219	212.494
Coefficient of Variation(CV)=	1.078	1.340	0.293	0.802	0.631	0.601

Error Check, Blank if No Errors Detected

Trend ≥ 80% Confidence Level	No Trend	DECREASING	No Trend	No Trend	INCREASING	INCREASING
Trend ≥ 90% Confidence Level	No Trend	DECREASING	No Trend	No Trend	INCREASING	INCREASING

Stability Test, If No Trend Exists at 80% Confidence Level	CV > 1 NON-STABLE	NA	CV ≤ 1 STABLE	CV ≤ 1 STABLE	NA	NA
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Data Entry By = **EER** Date = **30-Jun-16** Checked By = **EER**

**State of Wisconsin
Department of Natural Resources**

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Site Name : **Twin Disc Plant 3** BRRTS No. = **02-52-000072** Well Number = **MW-11**

Event Number	Compound -> Sampling Date (most recent last)	DRO Concentration (leave blank if no data)	cis-1,2-DCE Concentration (leave blank if no data)	trans-1,2-DCE Concentration (leave blank if no data)	Tetra-CE Concentration (leave blank if no data)	TCE Concentration (leave blank if no data)	Total VOC Concentration (leave blank if no data)
1	18-Aug-12	0.29	267.00	14.90	4.90	10.20	297.00
2	26-Jan-13	0.14	265.00	16.20	7.40	10.00	298.60
3	17-Aug-13	0.03	250.00	12.10	5.00	9.20	276.30
4	26-Feb-14	23.70	177.00	7.90	1.80	4.80	213.90
5	26-Aug-14	1.10	277.00	13.80	4.40	8.30	335.49
6	21-Jan-15	0.34	230.00	17.00	6.90	8.90	265.38
7	21-Jul-15	8.90	209.00	9.40	4.40	6.90	429.30
8	20-Jan-16	0.71	212.00	10.40	6.70	9.40	239.24
9	21-Sep-16		193.00	15.40	4.30	8.50	221.30
10	2-Mar-17		216.00	14.80	3.60	7.50	243.00

Mann Kendall Statistic (S) =	8.0	-19.0	-1.0	-14.0	-17.0	-11.0
Number of Rounds (n) =	8	10	10	10	10	10
Average =	4.40	229.60	13.19	4.94	8.37	281.95
Standard Deviation =	8.349	33.896	3.085	1.688	1.623	64.152
Coefficient of Variation(CV)=	1.897	0.148	0.234	0.342	0.194	0.228

Error Check, Blank if No Errors Detected

Trend ≥ 80% Confidence Level	INCREASING	DECREASING	No Trend	DECREASING	DECREASING	DECREASING
Trend ≥ 90% Confidence Level	No Trend	DECREASING	No Trend	No Trend	DECREASING	No Trend

Stability Test, If No Trend Exists at 80% Confidence Level	NA	NA	CV ≤ 1 STABLE	NA	NA	NA
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Data Entry By = **EER** Date = **30-Mar-17** Checked By = **EER**

**State of Wisconsin
Department of Natural Resources**

**Mann-Kendall Statistical Test
Form 4400-215 (2/2001)**

Remediation and Redevelopment Program

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Site Name : **Twin Disc Plant 3** BRRTS No. = **02-52-000072** Well Number = **MW-12**

Compound ->		DRO					
Event Number	Sampling Date (most recent last)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)
1	18-Aug-12	4,860.00					
2	26-Jan-13	6,330.00					
3	17-Aug-13	2,290.00					
4	26-Feb-14	1,900.00					
5	26-Aug-14	810.00					
6	21-Jan-15	4,340.00					
7	21-Jul-15	1,630.00					
8	20-Jan-16	1,600.00					
9	21-Sep-16						
10	2-Mar-17						

Mann Kendall Statistic (S) =	-16.0	0.0	0.0	0.0	0.0	0.0
Number of Rounds (n) =	8	0	0	0	0	0
Average =	2970.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Standard Deviation =	1952.434	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Coefficient of Variation(CV)=	0.657	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

Error Check, Blank if No Errors Detected n<4 n<4 n<4 n<4 n<4

Trend ≥ 80% Confidence Level **DECREASING** n<4 n<4 n<4 n<4 n<4

Trend ≥ 90% Confidence Level **DECREASING** n<4 n<4 n<4 n<4 n<4

Stability Test, If No Trend Exists at 80% Confidence Level NA n<4 n<4 n<4 n<4 n<4

Data Entry By = **EER** Date = **30-Mar-17** Checked By = **EER**

**State of Wisconsin
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Form 4400-215 (2/2001)**

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Site Name : **Twin Disc Plant 3** BRRTS No. = **02-52-000072** Well Number = **MW-13**

Compound ->		DRO					
Event Number	Sampling Date (most recent last)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)
1	18-Aug-12	0.08					
2	26-Jan-13	0.19					
3	17-Aug-13	0.03					
4	26-Feb-14	23.20					
5	26-Aug-14	3.50					
6	24-Jan-15	0.83					
7	21-Jul-15	0.27					
8	20-Jan-16	0.15					
9	21-Sep-16						
10	2-Mar-17						

Mann Kendall Statistic (S) =	2.0	0.0	0.0	0.0	0.0	0.0
Number of Rounds (n) =	8	0	0	0	0	0
Average =	3.53	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Standard Deviation =	8.031	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Coefficient of Variation(CV)=	2.274	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

Error Check, Blank if No Errors Detected		n<4	n<4	n<4	n<4	n<4
Trend ≥ 80% Confidence Level	No Trend	n<4	n<4	n<4	n<4	n<4
Trend ≥ 90% Confidence Level	No Trend	n<4	n<4	n<4	n<4	n<4
Stability Test, If No Trend Exists at 80% Confidence Level	CV > 1 NON-STABLE	n<4	n<4	n<4	n<4	n<4

Data Entry By = **EER** Date = **30-Mar-17** Checked By = **EER**

**State of Wisconsin
Department of Natural Resources**

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Site Name : **Twin Disc Plant 3** BRRTS No. = **02-52-000072** Well Number = **MW-14**

Compound ->		DRO	1,1-DCA	1,1-DCE	1,1,1-TCA	Total VOC	VC
Event Number	Sampling Date (most recent last)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)
1	17-Nov-12	1.80	67.40	12.80	174.00	267.20	
2	26-Jan-13	0.24	46.70	7.20	94.60	155.20	
3	17-Aug-13	0.89	46.20	7.10	98.30	196.98	
4	3-Jun-14	4.20	35.20	4.80	67.90	114.64	0.35
5	26-Sep-14	1.50	60.10	7.80	87.80	165.91	1.20
6	28-Jan-15	0.45	33.40	3.80	55.80	99.68	0.28
7	27-Jul-15	0.49	57.80	6.40	82.90	157.51	1.00
8	14-Mar-16		40.70	5.80	85.20	142.59	0.89
9	21-Sep-16		46.30	3.60	45.70	103.56	0.56
10	22-Mar-17		43.50	6.30	83.90	145.60	0.20

Mann Kendall Statistic (S) =	-3.0	-13.0	-23.0	-23.0	-19.0	-7.0
Number of Rounds (n) =	7	10	10	10	10	7
Average =	1.37	47.73	6.56	87.61	154.89	0.64
Standard Deviation =	1.375	10.936	2.610	34.681	49.502	0.391
Coefficient of Variation(CV)=	1.006	0.229	0.398	0.396	0.320	0.612

Error Check, Blank if No Errors Detected

Trend ≥ 80% Confidence Level	No Trend	DECREASING	DECREASING	DECREASING	DECREASING	DECREASING
Trend ≥ 90% Confidence Level	No Trend	No Trend	DECREASING	DECREASING	DECREASING	No Trend

Stability Test, If No Trend Exists at 80% Confidence Level	CV > 1 NON-STABLE	NA	NA	NA	NA	NA
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Data Entry By = **EER** Date = **30-Mar-17** Checked By = **EER**

**State of Wisconsin
Department of Natural Resources**

**Mann-Kendall Statistical Test
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Site Name : **Twin Disc Plant 3** BRRTS No. = **02-52-000072** Well Number = **MW-15**

Compound ->		DRO					
Event Number	Sampling Date (most recent last)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)
1	18-Aug-12	0.15					
2	26-Jan-13	0.21					
3	17-Aug-13	0.04					
4	22-Mar-14	0.02					
5	29-Oct-14	1.10					
6	28-Jan-15	0.22					
7	21-Jul-15	0.87					
8	14-Oct-15	0.30					
9	21-Sep-16						
10	22-Mar-17						

Mann Kendall Statistic (S) =	10.0	0.0	0.0	0.0	0.0	0.0
Number of Rounds (n) =	8	0	0	0	0	0
Average =	0.36	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Standard Deviation =	0.399	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Coefficient of Variation(CV)=	1.095	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

Error Check, Blank if No Errors Detected n<4 n<4 n<4 n<4 n<4

Trend ≥ 80% Confidence Level **INCREASING** n<4 n<4 n<4 n<4 n<4

Trend ≥ 90% Confidence Level No Trend n<4 n<4 n<4 n<4 n<4

Stability Test, If No Trend Exists at 80% Confidence Level NA n<4 n<4 n<4 n<4 n<4

Data Entry By = **EER** Date = **30-Mar-17** Checked By = **EER**

**State of Wisconsin
Department of Natural Resources**

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Site Name : **Twin Disc Plant 3** BRRTS No. = **02-52-000072** Well Number = **MW-16**

Compound ->		DRO					
Event Number	Sampling Date (most recent last)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)
1	5-May-12	0.01					
2	18-Aug-12	0.01					
3	26-Jan-13	0.08					
4	17-Aug-13	0.02					
5	26-Feb-14	0.29					
6	26-Aug-14	1.70					
7	21-Jan-15	0.58					
8	21-Jul-15	0.29					
9	20-Jan-16	0.24					
10	2-Mar-17						

Mann Kendall Statistic (S) =	17.0	0.0	0.0	0.0	0.0	0.0
Number of Rounds (n) =	9	0	0	0	0	0
Average =	0.36	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Standard Deviation =	0.537	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Coefficient of Variation(CV)=	1.498	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

Error Check, Blank if No Errors Detected n<4 n<4 n<4 n<4 n<4

Trend ≥ 80% Confidence Level **INCREASING** n<4 n<4 n<4 n<4 n<4

Trend ≥ 90% Confidence Level **INCREASING** n<4 n<4 n<4 n<4 n<4

Stability Test, If No Trend Exists at 80% Confidence Level NA n<4 n<4 n<4 n<4 n<4

Data Entry By = **EER** Date = **30-Mar-17** Checked By = **EER**

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Site Name : **Twin Disc Plant 3** BRRTS No. = **02-52-000072** Well Number = **MW-17**

Compound ->		DRO	1,1-DCA	Total VOC			
Event Number	Sampling Date (most recent last)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)
1	17-Nov-12	0.18	0.75				
2	18-May-13	0.07	0.28				
3	16-Nov-13	0.11					
4	30-Apr-14	3.90	1.20	2.81			
5	29-Oct-14	52.40	104.00	458.91			
6	23-Apr-15	0.87	1.60	1.60			
7	11-Nov-15	4.50	2.80	6.97			
8	8-Jun-16		0.42	0.42			
9	16-Nov-16		9.70	25.50			
10	16-Jun-17		0.39	0.39			

Mann Kendall Statistic (S) =	11.0	4.0	-7.0	0.0	0.0	0.0
Number of Rounds (n) =	7	9	7	0	0	0
Average =	8.86	13.46	70.94	#DIV/0!	#DIV/0!	#DIV/0!
Standard Deviation =	19.289	34.081	171.308	#DIV/0!	#DIV/0!	#DIV/0!
Coefficient of Variation(CV)=	2.177	2.532	2.415	#DIV/0!	#DIV/0!	#DIV/0!

Error Check, Blank if No Errors Detected n<4 n<4 n<4

Trend ≥ 80% Confidence Level	INCREASING	No Trend	DECREASING	n<4	n<4	n<4
Trend ≥ 90% Confidence Level	INCREASING	No Trend	No Trend	n<4	n<4	n<4

Stability Test, If No Trend Exists at 80% Confidence Level	NA	CV > 1 NON-STABLE	NA	n<4 n<4	n<4 n<4	n<4 n<4
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Data Entry By = **EER** Date = **26-Jun-17** Checked By = **EER**

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Site Name : **Twin Disc Plant 3** BRRTS No. = **02-52-000072** Well Number = **MW-18**

Compound ->		DRO	Total VOC				
Event Number	Sampling Date (most recent last)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)
1	13-Mar-10	20.00	4.84				
2	15-Sep-10	10.00	3.51				
3	31-Jan-11	25.20	20.56				
4	31-Oct-11	9,500.00					
5	28-Apr-12	464,000.00					
6	18-Aug-12	13,000.00					
7	26-Jan-13	322.00					
8	4-Jun-14	1,590.00	209.30				
9	27-Apr-15	5,670.00					
10	11-May-16						

Mann Kendall Statistic (S) =	14.0	4.0	0.0	0.0	0.0	0.0
Number of Rounds (n) =	9	4	0	0	0	0
Average =	54904.13	59.55	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Standard Deviation =	153484.469	100.131	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Coefficient of Variation(CV)=	2.795	1.681	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

Error Check, Blank if No Errors Detected n<4 n<4 n<4 n<4

Trend ≥ 80% Confidence Level **INCREASING** **INCREASING** n<4 n<4 n<4 n<4

Trend ≥ 90% Confidence Level **INCREASING** No Trend n<4 n<4 n<4 n<4

Stability Test, If No Trend Exists at 80% Confidence Level NA NA n<4 n<4 n<4 n<4

Stability Test, If No Trend Exists at 80% Confidence Level NA NA n<4 n<4 n<4 n<4

Data Entry By = **EER** Date = **27-May-16** Checked By = **EER**

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Site Name : **Twin Disc Plant 3** BRRTS No. = **02-52-000072** Well Number = **MW-19**

Compound ->		DRO	1,1-DCA				
Event Number	Sampling Date (most recent last)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)
1	18-Aug-12	0.23	1.00				
2	26-Jan-13	4.00	0.79				
3	17-Aug-13	0.02	0.59				
4	26-Feb-14	0.54	0.77				
5	26-Aug-14	1.10	8.70				
6	21-Jan-15	0.64	0.94				
7	21-Jul-15	0.30	4.90				
8	20-Jan-16	0.22	0.54				
9	21-Sep-16		0.54				
10	2-Mar-17		1.10				

Mann Kendall Statistic (S) =	-4.0	-4.0	0.0	0.0	0.0	0.0
Number of Rounds (n) =	8	10	0	0	0	0
Average =	0.88	1.99	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Standard Deviation =	1.303	2.697	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Coefficient of Variation(CV)=	1.479	1.357	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

Error Check, Blank if No Errors Detected n<4 n<4 n<4 n<4

Trend ≥ 80% Confidence Level No Trend No Trend n<4 n<4 n<4 n<4

Trend ≥ 90% Confidence Level No Trend No Trend n<4 n<4 n<4 n<4

Stability Test, If No Trend Exists at 80% Confidence Level **CV > 1 NON-STABLE** **CV > 1 NON-STABLE** n<4 n<4 n<4 n<4

Data Entry By = **EER** Date = **30-Mar-17** Checked By = **EER**

**State of Wisconsin
Department of Natural Resources**

**Mann-Kendall Statistical Test
Form 4400-215 (2/2001)**

Remediation and Redevelopment Program

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Site Name : **Twin Disc Plant 3** BRRTS No. = **02-52-000072** Well Number = **MW-20**

Compound ->		DRO					
Event Number	Sampling Date (most recent last)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)
1	31-Aug-09	86.60					
2	13-Mar-10	2.29					
3	15-Sep-10	115.00					
4	31-Jan-11	9.34					
5	31-Oct-11	13,000.00					
6	28-Apr-12	372,000.00					
7	18-May-13	35,500.00					
8	4-Jun-14	7,640.00					
9	27-Apr-15	1,180.00					
10	11-May-16						

Mann Kendall Statistic (S) =	14.0	0.0	0.0	0.0	0.0	0.0
Number of Rounds (n) =	9	0	0	0	0	0
Average =	47725.91	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Standard Deviation =	122154.189	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Coefficient of Variation(CV)=	2.559	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

Error Check, Blank if No Errors Detected n<4 n<4 n<4 n<4 n<4

Trend ≥ 80% Confidence Level **INCREASING** n<4 n<4 n<4 n<4 n<4

Trend ≥ 90% Confidence Level **INCREASING** n<4 n<4 n<4 n<4 n<4

Stability Test, If No Trend Exists at 80% Confidence Level NA n<4 n<4 n<4 n<4 n<4

Data Entry By = **EER** Date = **27-May-16** Checked By = **EER**

**State of Wisconsin
Department of Natural Resources**

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Form 4400-215 (2/2001)**

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Site Name : **Twin Disc Plant 3** BRRTS No. = **02-52-000072** Well Number = **MW-21**

Compound ->		DRO					
Event Number	Sampling Date (most recent last)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)
1	31-Aug-09	92.30					
2	13-Mar-10	14.50					
3	15-Sep-10	840.00					
4	31-Jan-11	7.51					
5	31-Oct-11	18,000.00					
6	28-Apr-12	446,000.00					
7	18-May-13	69,500.00					
8	4-Jun-14	9,090.00					
9	27-Apr-15	582.00					
10	11-May-16						

Mann Kendall Statistic (S) =	10.0	0.0	0.0	0.0	0.0	0.0
Number of Rounds (n) =	9	0	0	0	0	0
Average =	60458.48	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Standard Deviation =	146311.689	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Coefficient of Variation(CV)=	2.420	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

Error Check, Blank if No Errors Detected n<4 n<4 n<4 n<4 n<4

Trend ≥ 80% Confidence Level **INCREASING** n<4 n<4 n<4 n<4 n<4

Trend ≥ 90% Confidence Level No Trend n<4 n<4 n<4 n<4 n<4

Stability Test, If No Trend Exists at 80% Confidence Level NA n<4 n<4 n<4 n<4 n<4

Data Entry By = **EER** Date = **27-May-16** Checked By = **EER**

**State of Wisconsin
Department of Natural Resources**

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Site Name : **Twin Disc Plant 3** BRRTS No. = **02-52-000072** Well Number = **MW-22**

Compound ->		DRO	Total VOC				
Event Number	Sampling Date (most recent last)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)
1	17-Nov-12	499.00	111.10				
2	18-May-13	592.00					
3	16-Nov-13	2,460.00					
4	30-Apr-14	2.00	1.18				
5	29-Oct-14	289.00	305.56				
6	23-Apr-15	305.00	11.40				
7	11-Nov-15	9.80	2.97				
8	15-Jun-16		0.95				
9	16-Nov-16		37.00				
10	16-Jun-17						

Mann Kendall Statistic (S) =	-7.0	-5.0	0.0	0.0	0.0	0.0
Number of Rounds (n) =	7	7	0	0	0	0
Average =	593.83	67.17	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Standard Deviation =	852.378	112.281	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Coefficient of Variation(CV)=	1.435	1.672	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

Error Check, Blank if No Errors Detected n<4 n<4 n<4 n<4

Trend ≥ 80% Confidence Level	DECREASING	No Trend	n<4	n<4	n<4	n<4
Trend ≥ 90% Confidence Level	No Trend	No Trend	n<4	n<4	n<4	n<4

Stability Test, If No Trend Exists at 80% Confidence Level	NA	CV > 1 NON-STABLE	n<4	n<4	n<4	n<4
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Data Entry By = **EER** Date = **26-Jun-17** Checked By = **EER**

**State of Wisconsin
Department of Natural Resources**

**Mann-Kendall Statistical Test
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Site Name : **Twin Disc Plant 3** BRRTS No. = **02-52-000072** Well Number = **MW-23**

Compound ->		DRO	Total VOC				
Event Number	Sampling Date (most recent last)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)
1	17-Nov-12	0.08					
2	18-May-13	0.15					
3	16-Nov-13	0.09					
4	30-Apr-14	1.50	0.23				
5	29-Oct-14	0.21	35.47				
6	23-Apr-15	0.35	0.76				
7	14-Oct-15	0.07	17.54				
8	15-Jun-16		0.50				
9	16-Nov-16		46.40				
10	16-Jun-17						

Mann Kendall Statistic (S) =	3.0	5.0	0.0	0.0	0.0	0.0
Number of Rounds (n) =	7	6	0	0	0	0
Average =	0.35	16.82	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Standard Deviation =	0.517	20.114	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Coefficient of Variation(CV)=	1.484	1.196	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

Error Check, Blank if No Errors Detected n<4 n<4 n<4 n<4

Trend ≥ 80% Confidence Level	No Trend	No Trend	n<4	n<4	n<4	n<4
Trend ≥ 90% Confidence Level	No Trend	No Trend	n<4	n<4	n<4	n<4

Stability Test, If No Trend Exists at 80% Confidence Level	CV > 1 NON-STABLE	CV > 1 NON-STABLE	n<4 n<4	n<4 n<4	n<4 n<4	n<4 n<4
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Data Entry By = **EER** Date = **26-Jun-17** Checked By = **EER**

**State of Wisconsin
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Site Name : **Twin Disc Plant 3** BRRTS No. = **02-52-000072** Well Number = **MW-24**

Compound ->		DRO	Chloroethane	1,1-DCA	1,1,1-TCA	Total VOC	
Event Number	Sampling Date (most recent last)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)
1	17-Nov-12	1.30	23.60	285.00	34.70	285.00	
2	18-May-13	1.40	67.40	319.00	44.20	448.10	
3	16-Nov-13	0.79	35.10	271.00	37.90	351.60	
4	3-Jun-14	2.20	33.00	153.00	22.10	216.40	
5	24-Oct-14	1.40	111.00	704.00	364.00	1,242.12	
6	27-Apr-15	0.45	46.40	268.00	40.60	368.60	
7	14-Oct-15	0.48	53.60	353.00	53.60	477.60	
8	15-Jun-16		47.60	1.80	36.80	387.90	
9	30-Nov-16		32.20	363.00	55.40	460.40	
10	16-Jun-17		38.40	292.00	41.30	385.00	

Mann Kendall Statistic (S) =	-6.0	1.0	1.0	11.0	11.0	0.0
Number of Rounds (n) =	7	10	10	10	10	0
Average =	1.15	48.83	300.98	73.06	462.27	#DIV/0!
Standard Deviation =	0.622	25.169	177.336	102.660	285.386	#DIV/0!
Coefficient of Variation(CV)=	0.543	0.515	0.589	1.405	0.617	#DIV/0!

Error Check, Blank if No Errors Detected n<4

Trend ≥ 80% Confidence Level	No Trend	No Trend	No Trend	INCREASING	INCREASING	n<4
Trend ≥ 90% Confidence Level	No Trend	No Trend	No Trend	No Trend	No Trend	n<4

Stability Test, If No Trend Exists at 80% Confidence Level	CV ≤ 1 STABLE	CV ≤ 1 STABLE	CV ≤ 1 STABLE	NA	NA	n<4 n<4
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Data Entry By = **EER** Date = **26-Jun-17** Checked By = **EER**

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Site Name : **Twin Disc Plant 3** BRRTS No. = **02-52-000072** Well Number = **MW-25**

Compound ->		DRO	1,1-DCA	cis-1,2-DCE	trans-1,2-DCE	1,1,1-TCA	Total VOC
Event Number	Sampling Date (most recent last)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)
1	17-Nov-12	0.27	58.30	2.70	0.89	0.90	61.00
2	18-May-13	0.22	11.70	0.42	0.37	0.44	11.70
3	16-Nov-13	0.18	28.00	0.91			28.91
4	30-Apr-14	0.52	165.00	8.30	1.00	9.50	190.42
5	22-Oct-14	0.36	298.00	6.10	1.20	209.00	553.45
6	23-Apr-15	0.52	140.00	5.90	0.85	6.90	156.60
7	14-Oct-15	0.21	111.00	5.70	0.82	6.10	127.30
8	15-Jun-16		122.00	5.90	0.75	7.00	139.31
9	16-Nov-16		129.00	4.10	0.79	60.80	205.09
10	16-Jun-17		122.00	4.80	0.63	6.30	136.62

Mann Kendall Statistic (S) =	2.0	10.0	4.0	-14.0	8.0	13.0
Number of Rounds (n) =	7	10	10	9	9	10
Average =	0.33	118.50	4.48	0.81	34.10	161.04
Standard Deviation =	0.145	80.454	2.481	0.231	68.167	152.310
Coefficient of Variation(CV)=	0.444	0.679	0.553	0.285	1.999	0.946

Error Check, Blank if No Errors Detected

Trend ≥ 80% Confidence Level	No Trend	No Trend	No Trend	DECREASING	No Trend	INCREASING
Trend ≥ 90% Confidence Level	No Trend	No Trend	No Trend	DECREASING	No Trend	No Trend

Stability Test, If No Trend Exists at 80% Confidence Level	CV ≤ 1 STABLE	CV ≤ 1 STABLE	CV ≤ 1 STABLE	NA	CV > 1 NON-STABLE	NA
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Data Entry By = **EER** Date = **26-Jun-17** Checked By = **EER**

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Site Name : **Twin Disc Plant 3** BRRTS No. = **02-52-000072** Well Number = **MW-402N**

Compound ->		DRO					
Event Number	Sampling Date (most recent last)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)
1	5-May-12						
2	18-Aug-12	0.12					
3	26-Jan-13	0.14					
4	17-Aug-13	0.19					
5	26-Feb-14	16.40					
6	26-Aug-14	0.91					
7	21-Jan-15	0.27					
8	21-Jul-15	0.25					
9	20-Jan-16	0.14					
10	2-Mar-17						

Mann Kendall Statistic (S) =	5.0	0.0	0.0	0.0	0.0	0.0
Number of Rounds (n) =	8	0	0	0	0	0
Average =	2.30	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Standard Deviation =	5.702	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Coefficient of Variation(CV)=	2.477	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

Error Check, Blank if No Errors Detected		n<4	n<4	n<4	n<4	n<4
Trend ≥ 80% Confidence Level	No Trend	n<4	n<4	n<4	n<4	n<4
Trend ≥ 90% Confidence Level	No Trend	n<4	n<4	n<4	n<4	n<4
Stability Test, If No Trend Exists at 80% Confidence Level	CV > 1 NON-STABLE	n<4	n<4	n<4	n<4	n<4

Data Entry By = **EER** Date = **30-Mar-17** Checked By = **EER**