

Twin Disc, Inc.
2018 Annual Monitoring Results
Broach Machine #2525

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

July 19, 2018

Prepared by:

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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.

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Environmental Audits, Inc.
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Professional Geologist 932

Preface

Environmental Audits, Inc. (EA) has exercised reasonable efforts to accomplish the required tasks for the "**Twin Disc, Inc. 2018 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. 2018 Annual Monitoring Results 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 Annual 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-18, MW-20, and MW-21 were not sampled due to the presence of free product. Sampling of these wells was conducted on May 23 and June 26, 2018.

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

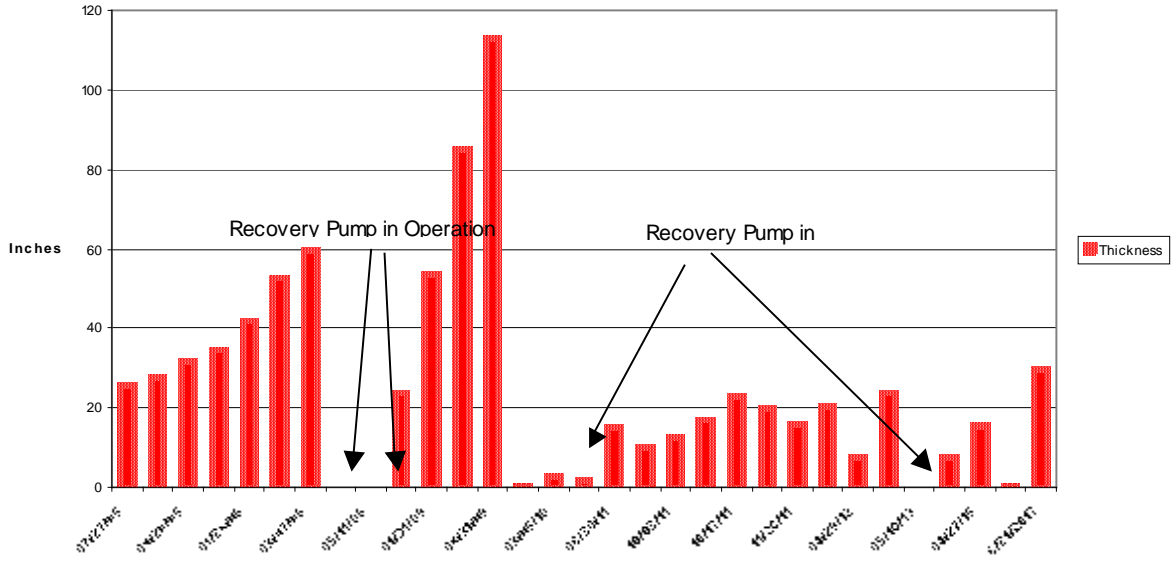
INTRODUCTION

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.

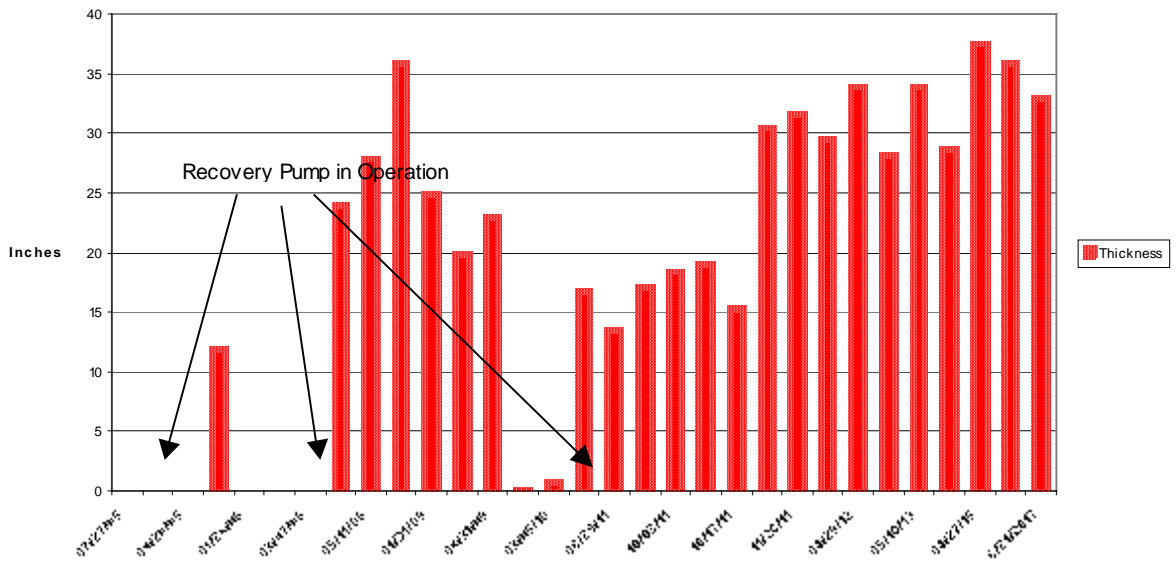
Groundwater monitoring wells were developed in accordance to the procedures detailed in s. NR 141. Groundwater monitoring well samples obtained for laboratory analysis were placed in appropriate pre-weighed sample containers immediately after being collected. Groundwater monitoring well samples were 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 VOC, EPA SW8260B/SW5030A.

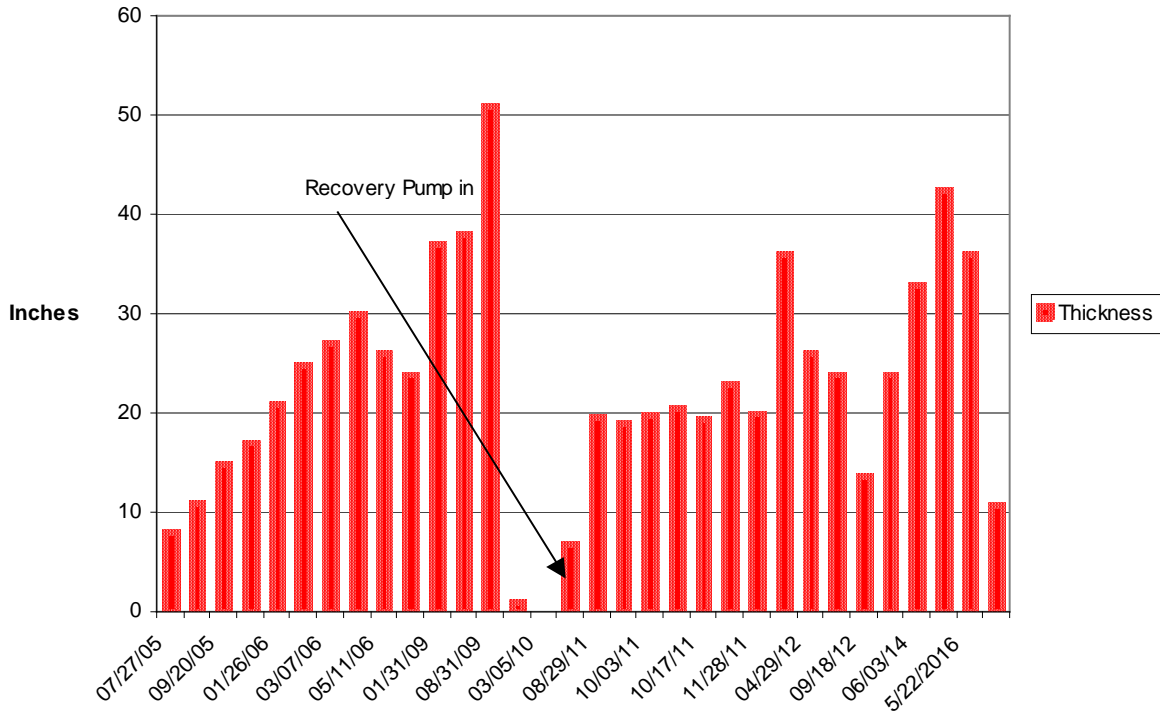
MW-18 Free Product



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	May-18	Dec-17	Jun-17	Nov-16	ES	PAL
Acetone	NTF	NTF	NTF	NTF	1000 ug/l	200 ug/l
Benzene	<0.50	<0.50	<5.0	<5.0	5 ug/l	0.5 ug/l
Bromodichloromethane	<0.50	<0.50	<5.0	<5.0	0.6 ug/l	0.06 ug/l
Bromoform	<0.50	<0.50	<5.0	<5.0	4.4 ug/l	0.44 ug/l
Bromomethane	<2.4	<2.4	<24.3	<24.3	10 ug/l	1 ug/l
Carbon Disulfide	NTF	NTF	NTF	NTF	1000 ug/l	200 ug/l
Carbon Tetrachloride	<0.50	<0.50	<5.0	<5.0	5 ug/l	0.5 ug/l
Chlorobenzene	<0.50	<0.50	<5.0	<5.0	NS	NS
Chloroethane	9.7	14.8	34.9	18.2	400 ug/l	80 ug/l
Chloroform	<2.5	<2.5	<25.0	<25.0	6 ug/l	0.6 ug/l
Chloromethane	<0.50	<0.50	<5.0	<5.0	3 ug/l	0.3 ug/l
Dibromochloromethane	<0.50	<0.50	<5.0	<5.0	60 ug/l	6 ug/l
1,2-Dibromo-3-chloropropane	<2.2	<2.2	<21.6	<21.6	0.2 ug/l	0.02 ug/l
1,2-Dibromomethane	<0.18	<0.18	<1.8	<1.8	NS	NS
1,1-Dichloroethane	60.9	67.3	70.2	88.7	850 ug/l	85 ug/l
1,2-Dichloroethane	<0.17	<0.17	<1.7	<1.7	5 ug/l	0.5 ug/l
1,1-Dichloroethene	0.75 J	<0.41	<4.1	<4.1	7 ug/l	0.7 ug/l
cis-1,2-Dichloroethene	0.71 J	0.81 J	<2.6	<2.6	70 ug/l	7 ug/l
trans-1,2-Dichloroethene	<0.26	<0.26	<2.6	<2.6	100 ug/l	20 ug/l
1,2-Dichloropropane	<0.23	<0.23	<2.3	<2.3	5 ug/l	0.5 ug/l
Ethyl Benzene	<0.50	<0.50	<5.0	<5.0	700 ug/l	140 ug/l
2-Hexanone	NTF	NTF	NTF	NTF	NS	NS
Methylene Chloride	<0.23	<0.23	<2.3	<2.3	5 ug/l	0.5 ug/l
Methyl-tert-Butylether	<0.17	<0.17	<1.7	<1.7	60 ug/l	6 ug/l
Styrene	<0.50	<0.50	<5.0	<5.0	100 ug/l	10 ug/l
1,1,2,2-Tetrachloroethane	<0.25	<0.25	<2.5	<2.5	0.2 ug/l	0.02 ug/l
Tetrachloroethene	<0.50	<0.50	<5.0	<5.0	5 ug/l	0.5 ug/l
Toluene	<0.50	<0.50	<5.0	<5.0	1 mg/l	0.2 mg/l
1,1,1-Trichloroethane	12.1	2.5	7.1 J	33.1	200 ug/l	40 ug/l
1,1,2-Trichloroethane	<0.20	<0.20	<1.6	<1.6	5 ug/l	0.5 ug/l
Trichloroethene	<0.33	<0.33	<3.3	<3.3	5 ug/l	0.5 ug/l
Vinyl Chloride	3.3	6.8	5.3 J	6.2 J	0.2 ug/l	0.02 ug/l
Total Xylenes	<1.5	<1.5	<15.0	<15.0	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-2

Test Description					NR 140	NR 140
Method 8260B	May-18	Dec-17	Jun-17	Nov-16	ES	PAL
Acetone	NTF	NTF	NTF	NTF	1000 ug/l	200 ug/l
Benzene	<0.50	<0.50	<5.0	<5.0	5 ug/l	0.5 ug/l
Bromodichloromethane	<0.50	<0.50	<5.0	<5.0	0.6 ug/l	0.06 ug/l
Bromoform	<0.50	<0.50	<5.0	<5.0	4.4 ug/l	0.44 ug/l
Bromomethane	<2.4	<2.4	<24.3	<24.3	10 ug/l	1 ug/l
Carbon Disulfide	NTF	NTF	NTF	NTF	1000 ug/l	200 ug/l
Carbon Tetrachloride	<0.50	<0.50	<5.0	<5.0	5 ug/l	0.5 ug/l
Chlorobenzene	<0.50	<0.50	<5.0	<5.0	NS	NS
Chloroethane	5.7	9.0	13.5	10.9	400 ug/l	80 ug/l
Chloroform	<2.5	<2.5	<25.0	<25.0	6 ug/l	0.6 ug/l
Chloromethane	<0.50	<0.50	<5.0	<5.0	3 ug/l	0.3 ug/l
Dibromochloromethane	<0.50	<0.50	<5.0	<5.0	60 ug/l	6 ug/l
1,2-Dibromo-3-chloropropane	<2.2	<2.2	<21.6	<21.6	0.2 ug/l	0.02 ug/l
1,2-Dibromomethane	<0.18	<0.18	<1.8	<1.8	NS	NS
1,1-Dichloroethane	23.8	22.9	19.4	29.9	850 ug/l	85 ug/l
1,2-Dichloroethane	<0.17	<0.17	<1.7	<1.7	5 ug/l	0.5 ug/l
1,1-Dichloroethene	<0.41	<0.41	<4.1	<4.1	7 ug/l	0.7 ug/l
cis-1,2-Dichloroethene	<0.26	<0.26	<2.6	<2.6	70 ug/l	7 ug/l
trans-1,2-Dichloroethene	<0.26	<0.26	<2.6	<2.6	100 ug/l	20 ug/l
1,2-Dichloropropane	<0.23	<0.23	<2.3	<2.3	5 ug/l	0.5 ug/l
Ethyl Benzene	<0.50	<0.50	<5.0	<5.0	700 ug/l	140 ug/l
2-Hexanone	NTF	NTF	NTF	NTF	NS	NS
Methylene Chloride	<0.23	<0.23	<2.3	<2.3	5 ug/l	0.5 ug/l
Methyl-tert-Butylether	<0.17	<0.17	<1.7	<1.7	60 ug/l	6 ug/l
Styrene	<0.50	<0.50	<5.0	<5.0	100 ug/l	10 ug/l
1,1,2,2-Tetrachloroethane	<0.26	<0.26	<2.5	<2.5	0.2 ug/l	0.02 ug/l
Tetrachloroethene	<0.50	<0.50	<5.0	<5.0	5 ug/l	0.5 ug/l
Toluene	<0.50	<0.50	<5.0	<5.0	1 mg/l	0.2 mg/l
1,1,1-Trichloroethane	5.0	1.4	5.3 J	12.8	200 ug/l	40 ug/l
1,1,2-Trichloroethane	<0.20	<0.20	<1.6	<1.6	5 ug/l	0.5 ug/l
Trichloroethene	<0.33	<0.33	<3.3	<3.3	5 ug/l	0.5 ug/l
Vinyl Chloride	0.40 J	0.84 J	<1.8	<1.8	0.2 ug/l	0.02 ug/l
Total Xylenes	<1.50	<1.50	<15.0	<15.0	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-6

Test Description					NR 140	NR 140
Method 8260B	May-18	Dec-17	Jun-17	Nov-16	ES	PAL
Acetone	NTF	NTF	NTF	NTF	1000 ug/l	200 ug/l
Benzene	<1.2	<1.2	<5.0	<12.5	5 ug/l	0.5 ug/l
Bromodichloromethane	<1.2	<1.2	<5.0	<12.5	0.6 ug/l	0.06 ug/l
Bromoform	<1.2	<1.2	<5.0	<12.5	4.4 ug/l	0.44 ug/l
Bromomethane	<6.1	<6.1	<24.3	<60.8	10 ug/l	1 ug/l
Carbon Disulfide	NTF	NTF	NTF	NTF	1000 ug/l	200 ug/l
Carbon Tetrachloride	<1.2	<1.2	<5.0	<12.5	5 ug/l	0.5 ug/l
Chlorobenzene	<1.2	<1.2	<5.0	<12.5	NS	NS
Chloroethane	18.2	4.6	<5.0	16.8 J	400 ug/l	80 ug/l
Chloroform	<6.2	<6.2	<25.0	<62.5	6 ug/l	0.6 ug/l
Chloromethane	<1.2	<1.2	<5.0	<12.5	3 ug/l	0.3 ug/l
Dibromochloromethane	<1.2	<1.2	<5.0	<12.5	60 ug/l	6 ug/l
1,2-Dibromo-3-chloropropane	<5.4	<5.4	<21.6	<54.1	0.2 ug/l	0.02 ug/l
1,2-Dibromomethane	<0.41	<0.41	<1.8	<4.4	NS	NS
1,1-Dichloroethane	175	137	125	174	850 ug/l	85 ug/l
1,2-Dichloroethane	<0.42	<0.42	<1.7	<4.2	5 ug/l	0.5 ug/l
1,1-Dichloroethene	2.3 J	<1.0	<4.1	<10.3	7 ug/l	0.7 ug/l
cis-1,2-Dichloroethene	0.95 J	1.9 J	<2.6	<6.4	70 ug/l	7 ug/l
trans-1,2-Dichloroethene	<0.64	<0.64	<2.6	<6.4	100 ug/l	20 ug/l
1,2-Dichloropropane	<0.58	<0.58	<2.3	<5.8	5 ug/l	0.5 ug/l
Ethyl Benzene	<1.2	<1.2	<5.0	<12.5	700 ug/l	140 ug/l
2-Hexanone	NTF	NTF	NTF	NTF	NS	NS
Methylene Chloride	<0.58	<0.58	<2.3	<5.8	5 ug/l	0.5 ug/l
Methyl-tert-Butylether	<0.44	<0.44	<1.7	<4.4	60 ug/l	6 ug/l
Styrene	<1.2	<1.2	<5.0	<12.5	100 ug/l	10 ug/l
1,1,2,2-Tetrachloroethane	<0.62	<0.62	<2.5	<6.2	0.2 ug/l	0.02 ug/l
Tetrachloroethene	<1.2	<1.2	<5.0	<12.5	5 ug/l	0.5 ug/l
Toluene	<1.2	<1.2	<5.0	<12.5	1 mg/l	0.2 mg/l
1,1,1-Trichloroethane	34.1	5.0	<5.0	16.6 J	200 ug/l	40 ug/l
1,1,2-Trichloroethane	<0.39	<0.39	<1.6	<4.9	5 ug/l	0.5 ug/l
Trichloroethene	<0.83	<0.83	<3.3	<8.3	5 ug/l	0.5 ug/l
Vinyl Chloride	1.5 J	0.97 J	<1.8	<4.4	0.2 ug/l	0.02 ug/l
Total Xylenes	<3.7	<3.7	<15.0	<37.5	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-7

Test Description					NR 140	NR 140
Method 8260B	May-18	Dec-17	Jun-17	Nov-16	ES	PAL
Acetone	NTF	NTF	NTF	NTF	1000 ug/l	200 ug/l
Benzene	<0.50	<0.50	<5.0	<0.50	5 ug/l	0.5 ug/l
Bromodichloromethane	<0.50	<0.50	<5.0	<0.50	0.6 ug/l	0.06 ug/l
Bromoform	<0.50	<0.50	<5.0	<0.50	4.4 ug/l	0.44 ug/l
Bromomethane	<2.4	<2.4	<24.3	<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	<5.0	<0.50	5 ug/l	0.5 ug/l
Chlorobenzene	<0.50	<0.50	<5.0	<0.50	NS	NS
Chloroethane	5.8	<0.37	<5.0	4.9	400 ug/l	80 ug/l
Chloroform	<2.5	<2.5	<25.0	<2.5	6 ug/l	0.6 ug/l
Chloromethane	<0.50	<0.50	<5.0	<0.50	3 ug/l	0.3 ug/l
Dibromochloromethane	<0.32	<0.32	<5.0	<0.32	60 ug/l	6 ug/l
1,2-Dibromo-3-chloropropane	<2.2	<2.2	<21.6	<2.2	0.2 ug/l	0.02 ug/l
1,2-Dibromomethane	<0.16	<0.16	<1.8	<0.16	NS	NS
1,1-Dichloroethane	52.7	5.6	5.5 J	38.7	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	1.7	<0.41	<4.1	2.1	7 ug/l	0.7 ug/l
cis-1,2-Dichloroethene	<0.50	<0.50	<2.6	<0.50	70 ug/l	7 ug/l
trans-1,2-Dichloroethene	<0.24	<0.24	<2.6	<0.24	100 ug/l	20 ug/l
1,2-Dichloropropane	<0.23	<0.23	<2.3	<0.23	5 ug/l	0.5 ug/l
Ethyl Benzene	<0.50	<0.50	<5.0	<0.50	700 ug/l	140 ug/l
2-Hexanone	NTF	NTF	NTF	NTF	NS	NS
Methylene Chloride	<0.23	<0.23	<2.3	<0.23	5 ug/l	0.5 ug/l
Methyl-tert-Butylether	<0.17	<0.17	<1.7	<0.17	60 ug/l	6 ug/l
Styrene	<0.15	<0.15	<5.0	<0.15	100 ug/l	10 ug/l
1,1,2,2-Tetrachloroethane	<0.25	<0.25	<2.5	<0.25	0.2 ug/l	0.02 ug/l
Tetrachloroethene	<0.50	<0.50	<5.0	<0.50	5 ug/l	0.5 ug/l
Toluene	<0.50	<0.50	<5.0	0.62 J	1 mg/l	0.2 mg/l
1,1,1-Trichloroethane	25.7	7.0	<5.0	34.0	200 ug/l	40 ug/l
1,1,2-Trichloroethane	<0.16	<0.16	<1.6	<0.16	5 ug/l	0.5 ug/l
Trichloroethene	<0.33	<0.33	<3.3	<0.33	5 ug/l	0.5 ug/l
Vinyl Chloride	<0.18	<0.18	<1.8	0.50 J	0.2 ug/l	0.02 ug/l
Total Xylenes	<1.5	<1.5	<15.0	<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	May-18	Dec-17	Jun-17	Nov-16	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	2.2	<0.37	<0.37	1.8	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	33.8	5.9	1.9	15.3	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	1.2	<0.41	<0.41	1.1	7 ug/l	0.7 ug/l	
cis-1,2-Dichloroethene	0.89 J	1.3	1.0	1.3	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	19.6	4.6	<0.50	18.0	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	0.19 J	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	May-18	Dec-17	Jun-17	Nov-16	ES	PAL
Acetone	NTF	NTF	NS - FP	NTF	1000 ug/l	200 ug/l
Benzene	<0.50	<1.0	NS - FP	<1.0	5 ug/l	0.5 ug/l
Bromodichloromethane	<0.50	<1.0	NS - FP	<1.0	0.6 ug/l	0.06 ug/l
Bromoform	<0.50	<1.0	NS - FP	<1.0	4.4 ug/l	0.44 ug/l
Bromomethane	<2.4	<4.9	NS - FP	<4.9	10 ug/l	1 ug/l
Carbon Disulfide	NTF	NTF	NS - FP	NTF	1000 ug/l	200 ug/l
Carbon Tetrachloride	<0.50	<1.0	NS - FP	<1.0	5 ug/l	0.5 ug/l
Chlorobenzene	<0.50	<1.0	NS - FP	<1.0	NS	NS
Chloroethane	1.6	<0.75	NS - FP	1.9 J	400 ug/l	80 ug/l
Chloroform	<2.5	<5.0	NS - FP	<5.0	6 ug/l	0.6 ug/l
Chloromethane	<0.50	<1.0	NS - FP	<1.0	3 ug/l	0.3 ug/l
Dibromochloromethane	<0.50	<1.0	NS - FP	<1.0	60 ug/l	6 ug/l
1,2-Dibromo-3-chloropropane	<2.2	<4.3	NS - FP	<4.3	0.2 ug/l	0.02 ug/l
1,2-Dichlorobenzene	1.2	1.3 J	NS - FP	<1.0	75 ug/l	7.5 ug/l
1,2-Dibromomethane	<0.18	<0.33	NS - FP	<0.33	NS	NS
1,1-Dichloroethane	15.8	4.0	NS - FP	40.0	850 ug/l	85 ug/l
1,2-Dichloroethane	<0.17	<0.34	NS - FP	<0.34	5 ug/l	0.5 ug/l
1,1-Dichloroethene	0.71 J	<0.82	NS - FP	1.2 J	7 ug/l	0.7 ug/l
cis-1,2-Dichloroethene	1.3	<0.51	NS - FP	1.3 J	70 ug/l	7 ug/l
trans-1,2-Dichloroethene	2.7	5.3	NS - FP	5.7	100 ug/l	20 ug/l
1,2-Dichloropropane	<0.50	<0.47	NS - FP	<0.47	5 ug/l	0.5 ug/l
Ethyl Benzene	<0.50	<1.0	NS - FP	<1.0	700 ug/l	140 ug/l
2-Hexanone	NTF	NTF	NS - FP	NTF	NS	NS
Methylene Chloride	<0.23	<0.47	NS - FP	<0.47	5 ug/l	0.5 ug/l
Methyl-tert-Butylether	<0.17	<0.35	NS - FP	<0.35	60 ug/l	6 ug/l
Styrene	<0.50	<1.0	NS - FP	<1.0	100 ug/l	10 ug/l
1,1,2,2-Tetrachloroethane	<0.26	<0.50	NS - FP	<0.50	0.2 ug/l	0.02 ug/l
Tetrachloroethene	>0.50	<1.0	NS - FP	<1.0	5 ug/l	0.5 ug/l
Toluene	<0.50	<1.0	NS - FP	<1.0	1 mg/l	0.2 mg/l
1,1,1-Trichloroethane	14.2	3.4	NS - FP	59.0	200 ug/l	40 ug/l
1,1,2-Trichloroethane	<0.20	<0.31	NS - FP	<0.31	5 ug/l	0.5 ug/l
Trichloroethene	<0.33	<0.66	NS - FP	<0.66	5 ug/l	0.5 ug/l
Vinyl Chloride	73.0	271	NS - FP	306	0.2 ug/l	0.02 ug/l
Total Xylenes	<1.50	<3.0	NS - FP	<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	Feb-18	Jul-17	Mar-17	Sep-16	NR 140 ES	NR 140 PAL
Method 8260						
Acetone	NTF	NTF	NTF	NTF	1000 ug/l	200 ug/l
Benzene	<1.2	<1.2	<1.2	<1.2	5 ug/l	0.5 ug/l
Bromodichloromethane	<1.2	<1.2	<1.2	<1.2	0.6 ug/l	0.06 ug/l
Bromoform	<1.2	<1.2	<1.2	<1.2	4.4 ug/l	0.44 ug/l
Bromomethane	<6.1	<6.1	<6.1	<6.1	10 ug/l	1 ug/l
Carbon Tetrachloride	<1.2	<1.2	<1.2	<1.2	5 ug/l	0.5 ug/l
Chlorobenzene	<1.2	<1.2	<1.2	<1.2	NS	NS
Chloroethane	<0.94	<0.94	<0.94	<0.94	400 ug/l	80 ug/l
2-Chloroethyl Vinyl Ether	NTF	NTF	NTF	NTF	NS	NS
Chloroform	<6.2	<6.2	<6.2	<6.2	6 ug/l	0.6 ug/l
Chloromethane	<1.2	<1.2	<1.2	<1.2	3 ug/l	0.3 ug/l
Dibromochloromethane	<1.2	<1.2	<1.2	<1.2	60 ug/l	6 ug/l
1,2-Dibromo-3-chloropropane	<5.4	<5.4	<5.4	<5.4	0.2 ug/l	0.02 ug/l
1,2-Dibromomethane	<0.44	<0.44	<0.44	<0.44	NS	NS
1,1-Dichloroethane	<0.60	78	1.0 J	<0.60	850 ug/l	85 ug/l
1,2-Dichloroethane	<0.42	<0.42	<0.42	<0.42	5 ug/l	0.5 ug/l
1,1-Dichloroethene	<1.0	4.8	<1.0	<1.0	7 ug/l	0.7 ug/l
cis-1,2-Dichloroethene	181	168	216	193	70 ug/l	7 ug/l
trans-1,2-Dichloroethene	9.6	7.5	14.9	15.4	100 ug/l	20 ug/l
1,2-Dichloropropane	<0.58	<0.58	<0.58	<0.58	5 ug/l	0.5 ug/l
Ethyl Benzene	<1.2	<1.2	<1.2	<1.2	700 ug/l	140 ug/l
Methylene Chloride	<0.58	0.78 J	<0.58	<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	<0.44	<0.44	60 ug/l	6 ug/l
Styrene	<1.2	<1.2	<1.2	<1.2	100 ug/l	10 ug/l
1,1,2,2-Tetrachloroethane	<0.62	<0.62	<0.62	<0.62	0.2 ug/l	0.02 ug/l
Tetrachloroethene	7.2	3.0	3.6	4.3	5 ug/l	0.5 ug/l
Toluene	<1.2	<1.2	<1.2	<1.2	1 mg/l	0.2 mg/l
1,1,1-Trichloroethane	<1.2	68.3	<1.2	<1.2	200 ug/l	40 ug/l
1,1,2-Trichloroethane	<0.49	<0.49	<0.49	<0.49	5 ug/l	0.5 ug/l
Trichloroethene	8.0	6.1	7.5	8.6	5 ug/l	0.5 ug/l
Vinyl Chloride	0.95 J	1.4 J	<0.44	<0.44	0.2 ug/l	0.02 ug/l
Total Xylenes	<3.7	<3.7	<3.7	<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	Feb-18	Jul-17	Mar-17	Sep-16	ES	PAL
Acetone	NTF	NTF	NTF	NTF	1000 ug/l	200 ug/l
Benzene	<5.0	<1.2	<5.0	<5.0	5 ug/l	0.5 ug/l
Bromodichloromethane	<5.0	<1.2	<5.0	<5.0	0.6 ug/l	0.06 ug/l
Carbon Tetrachloride	<5.0	<1.2	<5.0	<5.0	5 ug/l	0.5 ug/l
Chlorobenzene	<5.0	<1.2	<5.0	<5.0	NS	NS
Chloroethane	<3.7	2.7	<3.7	<3.7	400 ug/l	80 ug/l
Chloroform	<25.0	<6.2	<25.0	<25.0	6 ug/l	0.6 ug/l
Chloromethane	<5.0	<1.2	<5.0	<5.0	3 ug/l	0.3 ug/l
Dibromochloromethane	<5.0	<1.2	<5.0	<5.0	60 ug/l	6 ug/l
1,2-Dibromo-3-chloropropane	<21.6	>5.4	<21.6	<21.6	0.2 ug/l	0.02 ug/l
1,2-Dibromomethane	<1.8	<0.44	<1.8	<1.8	NS	NS
1,1-Dichloroethane	<2.4	21.4	61.2	<2.4	850 ug/l	85 ug/l
1,2-Dichloroethane	<1.7	<0.42	<1.7	<1.7	5 ug/l	0.5 ug/l
1,1-Dichloroethene	<4.1	<1.0	<4.1	<4.1	7 ug/l	0.7 ug/l
cis-1,2-Dichloroethene	<2.6	2.8	<2.6	<2.6	70 ug/l	7 ug/l
trans-1,2-Dichloroethene	<2.6	<0.64	<2.6	<2.6	100 ug/l	20 ug/l
1,2-Dichloropropane	<2.3	<0.58	<2.3	<2.3	5 ug/l	0.5 ug/l
Ethyl Benzene	<5.0	<1.2	<5.0	<5.0	700 ug/l	140 ug/l
Methylene Chloride	<2.3	0.67 J	<2.3	<2.3	5 ug/l	0.5 ug/l
Methyl-tert-Butylether	<1.7	<0.44	<1.7	<1.7	60 ug/l	6 ug/l
1,1,2,2-Tetrachloroethane	<2.5	<0.62	<2.5	<2.5	0.2 ug/l	0.02 ug/l
Tetrachloroethene	<5.0	<1.2	<5.0	<5.0	5 ug/l	0.5 ug/l
Toluene	<5.0	<1.2	<5.0	<5.0	1 mg/l	0.2 mg/l
1,1,1-Trichloroethane	<5.0	11.0	27.4	<5.0	200 ug/l	40 ug/l
1,1,2-Trichloroethane	<2.0	<0.48	<2.0	<2.0	5 ug/l	0.5 ug/l
Trichloroethene	<3.3	<0.83	<3.3	<3.3	5 ug/l	0.5 ug/l
Vinyl Chloride	<1.8	<0.44	<1.8	<1.8	0.2 ug/l	0.02 ug/l
Total Xylenes	<15.0	<3.7	<15.0	<15.0	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-13

Test Description

Method 8021

	Feb-18	Jul-17	Mar-17	Sep-16	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	<0.24	<0.24	1.2	<0.24	850 ug/l	85 ug/l
1,2-Dichloroethane	<0.41	<0.41	<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	<0.50	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-18	Jul-17	Mar-17	Sep-16	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	35.6	48.2	43.5	46.3	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	5.3	5.4	6.3	3.8	7 ug/l	0.7 ug/l
cis-1,2-Dichloroethene	5.7	6.3	6.1	3.9	70 ug/l	7 ug/l
trans-1,2-Dichloroethene	0.37 J	0.59 J	<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	67.7	73.6	83.9	45.7	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	5.9	5.4	5.6	3.3	5 ug/l	0.5 ug/l
Vinyl Chloride	0.59 J	0.99 J	0.20 J	0.56 J	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	Mar-18	Dec-17	Mar-17	Sep-16	NR 140 ES	NR 140 PAL	
Method 8260	NTF	NTF	NTF	NTF	1000 ug/l	200 ug/l	
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	<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	<0.24	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	
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	Feb-18	Jul-17	Mar-17	Sep-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
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	<0.41	<0.41	0.38 J	<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
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	<0.50	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 ES	NR 140 PAL
Method 8260B	May-18	Dec-17	Jun-17	Nov-16		
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	1.0	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	<0.24	0.29 J	0.39 J	9.7	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	0.80 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	<0.50	<0.50	14.0	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-18	Jun-17	May-16	Apr-15	ES	PAL
Acetone	NS - FP	NS - FP	NTF	NTF	1000 ug/l	200 ug/l
Benzene	NS - FP	NS - FP	<0.50	<2.5	5 ug/l	0.5 ug/l
Bromodichloromethane	NS - FP	NS - FP	<0.50	<2.5	0.6 ug/l	0.06 ug/l
Bromoform	NS - FP	NS - FP	<0.50	<2.5	4.4 ug/l	0.44 ug/l
Bromomethane	NS - FP	NS - FP	<2.4	<12.2	10 ug/l	1 ug/l
2-Butanone (MEK)	NS - FP	NS - FP	NTF	NTF	460 ug/l	90 ug/l
Carbon Tetrachloride	NS - FP	NS - FP	<0.50	<2.5	5 ug/l	0.5 ug/l
Chlorobenzene	NS - FP	NS - FP	<0.50	<2.5	NS	NS
Chloroethane	NS - FP	NS - FP	<0.37	<1.9	400 ug/l	80 ug/l
2-Chloroethyl Vinyl Ether	NS - FP	NS - FP	NTF	NTF	NS	NS
Chloroform	NS - FP	NS - FP	<2.5	<12.5	6 ug/l	0.6 ug/l
Chloromethane	NS - FP	NS - FP	<0.50	<2.5	3 ug/l	0.3 ug/l
Dibromochloromethane	NS - FP	NS - FP	<0.50	<1.5	60 ug/l	6 ug/l
1,2-Dibromo-3-chloropropane	NS - FP	NS - FP	<2.2	<10.8	0.2 ug/l	0.02 ug/l
1,2-Dibromomethane	NS - FP	NS - FP	<0.18	<0.82	NS	NS
1,1-Dichloroethane	NS - FP	NS - FP	<0.24	<1.2	850 ug/l	85 ug/l
1,2-Dichloroethane	NS - FP	NS - FP	<0.17	<0.84	5 ug/l	0.5 ug/l
1,1-Dichloroethene	NS - FP	NS - FP	<0.41	<2.1	7 ug/l	0.7 ug/l
cis-1,2-Dichloroethene	NS - FP	NS - FP	<0.26	<1.3	70 ug/l	7 ug/l
trans-1,2-Dichloroethene	NS - FP	NS - FP	<0.26	<1.2	100 ug/l	20 ug/l
1,2-Dichloropropane	NS - FP	NS - FP	<0.23	<1.2	5 ug/l	0.5 ug/l
Ethyl Benzene	NS - FP	NS - FP	<0.50	<2.5	700 ug/l	140 ug/l
Methylene Chloride	NS - FP	NS - FP	<0.23	<1.2	5 ug/l	0.5 ug/l
4-Methyl-2-Pentanone	NS - FP	NS - FP	NTF	NTF	NS	NS
Methyl-tert-Butylether	NS - FP	NS - FP	<0.17	<0.87	60 ug/l	6 ug/l
Styrene	NS - FP	NS - FP	<0.50	<2.5	100 ug/l	10 ug/l
1,1,2,2-Tetrachloroethane	NS - FP	NS - FP	<0.26	<1.2	0.2 ug/l	0.02 ug/l
Tetrachlorethane	NS - FP	NS - FP	<0.50	<2.5	5 ug/l	0.5 ug/l
Toluene	NS - FP	NS - FP	0.88 J	<2.5	1 mg/l	0.2 mg/l
1,1,1-Trichloroethane	NS - FP	NS - FP	<0.50	<2.5	200 ug/l	40 ug/l
1,1,2-Trichloroethane	NS - FP	NS - FP	<0.20	<0.99	5 ug/l	0.5 ug/l

Trichloroethene	NS - FP	NS - FP	<0.33	<1.7	5 ug/l	0.5 ug/l
Vinyl Chloride	NS - FP	NS - FP	<0.18	<0.88	0.2 ug/l	0.02 ug/l
Total Xylenes	NS - FP	NS - FP	<1.5	<7.5	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
 NS - FP No Sample Free Product

Groundwater Well MW-19

Test Description					NR 140	NR 140
Method 8260	Feb-18	Jul-17	Mar-17	Sep-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
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	0.40 J	0.56 J	1.1	0.54 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
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	<0.20	<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					NR 140	NR 140
Method 8260	Jun-18	Jun-17	Apr-15	Jun-14	ES	PAL
Acetone	NS - FP	NS - FP	NTF	NTF	1000 ug/l	200 ug/l
Benzene	NS - FP	NS - FP	<5.0	<25.0	5 ug/l	0.5 ug/l
Bromodichloromethane	NS - FP	NS - FP	<5.0	<17.0	0.6 ug/l	0.06 ug/l
Bromoform	NS - FP	NS - FP	<5.0	<25.0	4.4 ug/l	0.44 ug/l
Bromomethane	NS - FP	NS - FP	<24.3	<122	10 ug/l	1 ug/l
2-Butanone (MEK)	NS - FP	NS - FP	NTF	NTF	460 ug/l	90 ug/l
Carbon Tetrachloride	NS - FP	NS - FP	<5.0	<25.0	5 ug/l	0.5 ug/l
Chlorobenzene	NS - FP	NS - FP	<5.0	<25.0	NS	NS
Chloroethane	NS - FP	NS - FP	<3.7	<18.7	400 ug/l	80 ug/l
2-Chloroethyl Vinyl Ether	NS - FP	NS - FP	NTF	NTF	NS	NS
Chloroform	NS - FP	NS - FP	<25.0	<125	6 ug/l	0.6 ug/l
Chloromethane	NS - FP	NS - FP	<5.0	<25.0	3 ug/l	0.3 ug/l
Dibromochloromethane	NS - FP	NS - FP	<5.0	<16.0	60 ug/l	6 ug/l
1,2-Dibromo-3-chloropropane	NS - FP	NS - FP	<21.6	<108	0.2 ug/l	0.02 ug/l
1,2-Dibromomethane	NS - FP	NS - FP	<1.8	<8.2	NS	NS
1,1-Dichloroethane	NS - FP	NS - FP	<2.4	110	850 ug/l	85 ug/l
1,2-Dichloroethane	NS - FP	NS - FP	<1.7	<8.4	5 ug/l	0.5 ug/l
1,1-Dichloroethene	NS - FP	NS - FP	<4.1	<20.5	7 ug/l	0.7 ug/l
cis-1,2-Dichloroethene	NS - FP	NS - FP	<2.6	<12.8	70 ug/l	7 ug/l
trans-1,2-Dichloroethene	NS - FP	NS - FP	<2.6	<11.9	100 ug/l	20 ug/l
1,2-Dichloropropane	NS - FP	NS - FP	<2.3	<11.7	5 ug/l	0.5 ug/l
Ethyl Benzene	NS - FP	NS - FP	<5.0	<25.0	700 ug/l	140 ug/l
Methylene Chloride	NS - FP	NS - FP	<2.3	<11.6	5 ug/l	0.5 ug/l
4-Methyl-2-Pentanone	NS - FP	NS - FP	NTF	NTF	NS	NS
Methyl-tert-Butyl-Ether	NS - FP	NS - FP	<1.7	<8.7	60 ug/l	6 ug/l
Styrene	NS - FP	NS - FP	<5.0	<25.0	100 ug/l	10 ug/l
1,1,2,2-Tetrachloroethane	NS - FP	NS - FP	<2.5	<12.5	0.2 ug/l	0.02 ug/l
Tetrachlorethane	NS - FP	NS - FP	<5.0	<25.0	5 ug/l	0.5 ug/l
Toluene	NS - FP	NS - FP	<5.0	<25.0	1 mg/l	0.2 mg/l

1,1,1-Trichloroethane	NS - FP	NS - FP	<5.0	45.6 J	200 ug/l	40 ug/l
1,1,2-Trichloroethane	NS - FP	NS - FP	<2.0	<7.8	5 ug/l	0.5 ug/l
Trichloroethene	NS - FP	NS - FP	<3.3	<16.5	5 ug/l	0.5 ug/l
Vinyl Chloride	NS - FP	NS - FP	<1.8	<8.8	0.2 ug/l	0.02 ug/l
Total Xylenes	NS - FP	NS - FP	<15.0	<75.0	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-21

Test Description					NR 140	NR 140
Method 8260	Jun-18	Jun-17	May-16	Apr-15	ES	PAL
Acetone	NS - FP	NS - FP	NTF	NTF	1000 ug/l	200 ug/l
Benzene	NS - FP	NS - FP	<2.5	<1.0	5 ug/l	0.5 ug/l
Bromodichloromethane	NS - FP	NS - FP	<2.5	<1.0	0.6 ug/l	0.06 ug/l
Bromoform	NS - FP	NS - FP	<2.5	<1.0	4.4 ug/l	0.44 ug/l
Bromomethane	NS - FP	NS - FP	<12.2	<4.9	10 ug/l	1 ug/l
2-Butanone (MEK)	NS - FP	NS - FP	NTF	NTF	460 ug/l	90 ug/l
Carbon Tetrachloride	NS - FP	NS - FP	<2.5	<1.0	5 ug/l	0.5 ug/l
Chlorobenzene	NS - FP	NS - FP	<2.5	<1.0	NS	NS
Chloroethane	NS - FP	NS - FP	<1.9	<0.75	400 ug/l	80 ug/l
2-Chloroethyl Vinyl Ether	NS - FP	NS - FP	NTF	NTF	NS	NS
Chloroform	NS - FP	NS - FP	<12.5	<5.0	6 ug/l	0.6 ug/l
Chloromethane	NS - FP	NS - FP	<2.5	<1.0	3 ug/l	0.3 ug/l
Dibromochloromethane	NS - FP	NS - FP	<2.5	<0.64	60 ug/l	6 ug/l
1,2-Dibromo-3-chloropropane	NS - FP	NS - FP	<10.8	<4.3	0.2 ug/l	0.02 ug/l
1,2-Dibromomethane	NS - FP	NS - FP	<0.89	<0.33	NS	NS
1,1-Dichloroethane	NS - FP	NS - FP	<1.2	2.0	850 ug/l	85 ug/l
1,2-Dichloroethane	NS - FP	NS - FP	<0.84	<0.34	5 ug/l	0.5 ug/l
1,1-Dichloroethene	NS - FP	NS - FP	<2.1	<0.82	7 ug/l	0.7 ug/l
cis-1,2-Dichloroethene	NS - FP	NS - FP	<1.3	<0.51	70 ug/l	7 ug/l
trans-1,2-Dichloroethene	NS - FP	NS - FP	<1.2	<0.48	100 ug/l	20 ug/l
1,2-Dichloropropane	NS - FP	NS - FP	<1.2	<0.47	5 ug/l	0.5 ug/l
Ethyl Benzene	NS - FP	NS - FP	<2.5	<1.0	700 ug/l	140 ug/l
Methylene Chloride	NS - FP	NS - FP	<1.2	<0.47	5 ug/l	0.5 ug/l
4-Methyl-2-Pentanone	NS - FP	NS - FP	NTF	NTF	NS	NS
Methyl-tert-Butyl-Ether	NS - FP	NS - FP	<0.87	<0.35	60 ug/l	6 ug/l
Styrene	NS - FP	NS - FP	<2.5	<1.0	100 ug/l	10 ug/l
1,1,2,2-Tetrachloroethane	NS - FP	NS - FP	<1.2	<0.60	0.2 ug/l	0.02 ug/l
Tetrachlorethane	NS - FP	NS - FP	<2.5	<1.0	5 ug/l	0.5 ug/l
Toluene	NS - FP	NS - FP	<2.5	<1.0	1 mg/l	0.2 mg/l
1,1,1-Trichloroethane	NS - FP	NS - FP	<2.5	<1.0	200 ug/l	40 ug/l

1,1,2-Trichloroethane	NS - FP	NS - FP	<0.99	<0.31	5 ug/l	0.5 ug/l
Trichloroethene	NS - FP	NS - FP	<1.7	<0.66	5 ug/l	0.5 ug/l
Vinyl Chloride	NS - FP	NS - FP	<0.88	<0.35	0.2 ug/l	0.02 ug/l
Total Xylenes	NS - FP	NS - FP	<7.5	<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	May-18	Dec-17	Jun-17	Nov-16	ES	PAL
Acetone	NTF	NTF	NTF	NTF	1000 ug/l	200 ug/l
Benzene	<0.50	<0.50	<5.0	<0.50	5 ug/l	0.5 ug/l
Bromodichloromethane	<0.50	<0.50	<5.0	<0.50	0.6 ug/l	0.06 ug/l
Bromoform	<0.50	<0.50	<5.0	<0.50	4.4 ug/l	0.44 ug/l
Bromomethane	<2.4	<2.4	<24.3	<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	<5.0	<0.50	5 ug/l	0.5 ug/l
Chlorobenzene	<0.50	<0.50	<5.0	<0.50	NS	NS
Chloroethane	1.5	<0.37	<5.0	<0.37	400 ug/l	80 ug/l
Chloroform	<2.5	<2.5	<25.0	2.3	6 ug/l	0.6 ug/l
Chloromethane	<0.50	<0.50	<5.0	<0.50	3 ug/l	0.3 ug/l
Dibromochloromethane	<0.50	<0.50	<5.0	<0.50	60 ug/l	6 ug/l
1,2-Dibromo-3-chloropropane	<2.2	<2.2	<21.6	<2.2	0.2 ug/l	0.02 ug/l
1,2-Dibromomethane	<0.16	<0.16	<1.8	<0.16	NS	NS
1,1-Dichloroethane	14.0	1.3	<2.4	12.8	850 ug/l	85 ug/l
1,2-Dichloroethane	<0.17	<0.17	<1.7	<0.17	5 ug/l	0.5 ug/l
1,1-Dichloroethene	0.66 J	<0.41	<4.1	1.1	7 ug/l	0.7 ug/l
cis-1,2-Dichloroethene	<0.26	<0.26	<2.6	<0.26	70 ug/l	7 ug/l
trans-1,2-Dichloroethene	<0.26	<0.26	<2.6	<0.26	100 ug/l	20 ug/l
1,2-Dichloropropane	<0.23	<0.23	<2.3	<0.23	5 ug/l	0.5 ug/l
Ethyl Benzene	<0.50	<0.50	<5.0	<0.50	700 ug/l	140 ug/l
2-Hexanone	NTF	NTF	NTF	NTF	NS	NS
Methylene Chloride	<0.23	<0.23	<2.3	<0.23	5 ug/l	0.5 ug/l
Methyl-tert-Butylether	<0.17	<0.17	<1.7	<0.17	60 ug/l	6 ug/l
Styrene	<0.50	<0.50	<5.0	<0.50	100 ug/l	10 ug/l
1,1,2,2-Tetrachloroethane	<0.25	<0.25	<2.5	<0.25	0.2 ug/l	0.02 ug/l
Tetrachloroethene	<0.50	<0.50	<5.0	<0.50	5 ug/l	0.5 ug/l
Toluene	<0.50	<0.50	<5.0	<0.50	1 mg/l	0.2 mg/l
1,1,1-Trichloroethane	13.0	2.8	<5.0	18.6	200 ug/l	40 ug/l

1,1,2-Trichloroethane	<0.16	<0.16	<1.6	<0.16	5 ug/l	0.5 ug/l
Trichloroethene	<0.33	<0.33	<3.3	<0.33	5 ug/l	0.5 ug/l
Vinyl Chloride	<0.18	<0.18	<1.8	0.22 J	0.2 ug/l	0.02 ug/l
Total Xylenes	<1.50	<1.50	<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-23

Test Description					NR 140	NR 140
Method 8260B	May-18	Dec-17	Jun-17	Nov-16	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	3.5	<0.37	<0.37	<0.37	400 ug/l	80 ug/l
Chloroform	<2.5	<2.5	<2.5	2.3	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	24.5	3.0	<0.24	17.1	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	1.7	<0.41	<0.41	1.4	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	26.6	6.3	<0.50	25.6	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	0.27 J	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 ES	NR 140 PAL
Method 8260B	Jun-18	Dec-17	Jun-17	Nov-16		
Acetone	NTF	NTF	NTF	NTF	1000 ug/l	200 ug/l
Benzene	<2.0	<2.0	<1.2	<2.0	5 ug/l	0.5 ug/l
Bromodichloromethane	<2.0	<2.0	<1.2	<2.0	0.6 ug/l	0.06 ug/l
Bromoform	<2.0	<2.0	<1.2	<2.0	4.4 ug/l	0.44 ug/l
Bromomethane	<9.7	<9.7	<6.1	<9.7	10 ug/l	1 ug/l
Carbon Disulfide	NTF	NTF	NTF	NTF	1000 ug/l	200 ug/l
Carbon Tetrachloride	<2.0	<2.0	<1.2	<2.0	5 ug/l	0.5 ug/l
Chlorobenzene	<2.0	<2.0	<1.2	<2.0	NS	NS
Chloroethane	16.3	31.0	38.4	32.2	400 ug/l	80 ug/l
Chloroform	<10.0	<10.0	<6.2	<10.0	6 ug/l	0.6 ug/l
Chloromethane	<2.0	4.0	<1.2	<2.0	3 ug/l	0.3 ug/l
Dibromochloromethane	<2.0	<2.0	<1.2	<2.0	60 ug/l	6 ug/l
1,2-Dibromo-3-chloropropane	<8.7	<8.7	<5.4	<8.7	0.2 ug/l	0.02 ug/l
1,2-Dibromomethane	<0.71	<0.71	<0.41	<0.71	NS	NS
1,1-Dichloroethane	217	325	292	363	850 ug/l	85 ug/l
1,2-Dichloroethane	<0.67	<0.67	1.8 J	1.7 J	5 ug/l	0.5 ug/l
1,1-Dichloroethene	1.6 J	2.2 J	2.2 J	2.3 J	7 ug/l	0.7 ug/l
cis-1,2-Dichloroethene	<1.0	<1.0	<0.64	<1.0	70 ug/l	7 ug/l
trans-1,2-Dichloroethene	<1.0	<1.0	<0.64	<1.0	100 ug/l	20 ug/l
1,2-Dichloropropane	<0.93	<0.93	<0.58	<0.93	5 ug/l	0.5 ug/l
Ethyl Benzene	<2.0	<2.0	<1.2	<2.0	700 ug/l	140 ug/l
2-Hexanone	NTF	NTF	NTF	NTF	NS	NS
Methylene Chloride	0.97 J	1.7 J	1.6 J	2.2 J	5 ug/l	0.5 ug/l
Methyl-tert-Butylether	<0.70	<0.70	<0.44	<0.70	60 ug/l	6 ug/l
Styrene	<2.0	<2.0	<1.2	<2.0	100 ug/l	10 ug/l
1,1,2,2-Tetrachloroethane	<1.0	<1.0	<0.62	<1.0	0.2 ug/l	0.02 ug/l

Tetrachloroethene	<2.0	<2.0	<1.2	<2.0	5 ug/l	0.5 ug/l
Toluene	<2.0	<2.0	<1.2	<2.0	1 mg/l	0.2 mg/l
1,1,1-Trichloroethane	30.8	39.6	41.3	55.4	200 ug/l	40 ug/l
1,1,2-Trichloroethane	<0.79	<0.79	<0.39	<0.79	5 ug/l	0.5 ug/l
Trichloroethene	<1.3	<1.3	<0.83	<1.3	5 ug/l	0.5 ug/l
Vinyl Chloride	5.7	5.9	7.7	3.7 J	0.2 ug/l	0.02 ug/l
Total Xylenes	<6.0	<6.0	<3.7	<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	May-18	Dec-17	Jun-17	Nov-16	ES	PAL
Acetone	NTF	NTF	NTF	NTF	1000 ug/l	200 ug/l
Benzene	<0.50	<0.50	<0.50	<1.2	5 ug/l	0.5 ug/l
Bromodichloromethane	<0.50	<0.50	<0.50	<1.2	0.6 ug/l	0.06 ug/l
Bromoform	<0.50	<0.50	<0.50	<1.2	4.4 ug/l	0.44 ug/l
Bromomethane	<2.4	<2.4	<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	<0.50	<0.50	<1.2	5 ug/l	0.5 ug/l
Chlorobenzene	<0.50	<0.50	<0.50	<1.2	NS	NS
Chloroethane	8.6	<0.37	<0.37	4.5	400 ug/l	80 ug/l
Chloroform	<2.5	<2.5	<2.5	<6.2	6 ug/l	0.6 ug/l
Chloromethane	<0.50	<0.50	<0.50	<1.2	3 ug/l	0.3 ug/l
Dibromochloromethane	<0.50	<0.50	<0.50	<1.2	60 ug/l	6 ug/l
1,2-Dibromo-3-chloropropane	<2.2	<2.2	<2.2	<5.4	0.2 ug/l	0.02 ug/l
1,2-Dibromomethane	<0.16	<0.16	<0.16	<0.44	NS	NS
1,1-Dichloroethane	151	98.9	122	129	850 ug/l	85 ug/l
1,2-Dichloroethane	0.49 J	0.52 J	0.69 J	3.5	5 ug/l	0.5 ug/l
1,1-Dichloroethene	3.4	<0.41	<0.41	<1.0	7 ug/l	0.7 ug/l
cis-1,2-Dichloroethene	4.2	3.8	4.8	4.1	70 ug/l	7 ug/l
trans-1,2-Dichloroethene	0.66 J	0.62 J	0.63 J	0.79 J	100 ug/l	20 ug/l
1,2-Dichloropropane	<0.23	<0.23	<0.23	<0.58	5 ug/l	0.5 ug/l
Ethyl Benzene	<0.50	<0.50	<0.50	<1.2	700 ug/l	140 ug/l
2-Hexanone	NTF	NTF	NTF	NTF	NS	NS
Methylene Chloride	<0.23	<0.23	<0.23	<0.58	5 ug/l	0.5 ug/l
Methyl-tert-Butylether	<0.17	<0.17	<0.17	<0.44	60 ug/l	6 ug/l
Styrene	<0.50	<0.50	<0.50	<1.2	100 ug/l	10 ug/l
1,1,2,2-Tetrachloroethane	<0.25	<0.25	<0.25	<0.62	0.2 ug/l	0.02 ug/l

Tetrachloroethene	<0.50	<0.50	<0.50	<1.2	5 ug/l	0.5 ug/l
Toluene	<0.50	<0.50	<0.50	<1.2	1 mg/l	0.2 mg/l
1,1,1-Trichloroethane	49.7	14.0	6.3	60.8	200 ug/l	40 ug/l
1,1,2-Trichloroethane	0.36 J	<0.49	<0.49	<0.49	5 ug/l	0.5 ug/l
Trichloroethene	<0.33	<0.33	<0.33	<0.83	5 ug/l	0.5 ug/l
Vinyl Chloride	1.8	1.3	2.2	2.4 J	0.2 ug/l	0.02 ug/l
Total Xylenes	<1.50	<1.50	<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	Feb-18	Jul-17	Mar-17	Nov-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 2nd Quarter 2018 sampling round shows that 1,1,1-Trichloroethane was detected at MW-1 (12.1 ug/l), MW-2 (5.0 ug/l), MW-6 (34.1 ug/l), MW-7 (25.7 ug/l), MW-9 (19.5 ug/l), MW-10 (14.2 ug/l), MW-22 (13.0 ug/l), MW-23 (26.6 ug/l), MW-24 (30.8 ug/l), and MW-25 (49.7 ug/l). The 1st Quarter 2018 sampling round shows that 1,1,1-Trichloroethane was detected at MW-14 (67.7 ug/l). The 4th Quarter 2017 sampling round shows that 1,1,1-Trichloroethane was detected at MW-1 (2.5 ug/l), MW-2 (1.4 ug/l), MW-6 (5.0 ug/l), MW-7 (7.0 ug/l), MW-9 (4.6 ug/l), MW-10 (3.4 ug/l), MW-22 (2.6 ug/l), MW-23 (6.3 ug/l), MW-24 (39.6 ug/l), and MW-25 (14.0 ug/l). The 3rd Quarter 2017 sampling round shows that 1,1,1-Trichloroethane was detected at MW-11 (69.3 ug/l), MW-12 (11.0 ug/l), and MW-14 (73.6 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-14 during the 1st Quarter 2018 and 3rd Quarter 2017 sampling events. The PAL was exceeded at MW-25 during the 2nd Quarter 2018 sampling event. The PAL was exceeded at MW-11 during the 3rd Quarter 2017 sampling event.

The 2nd Quarter 2018 sampling round shows that 1,1,2-Trichloroethane was detected at MW-25 (0.36 J ug/l). 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 2018 sampling round shows that 1,1-Dichloroethane was detected at MW-1 (60.9 ug/l), MW-2 (23.8 ug/l), MW-6 (175 ug/l), MW-7 (52.7 ug/l), MW-9 (33.8 ug/l), MW-10 (15.8 ug/l), MW-22 (14.0 ug/l), MW-23 (24.5 ug/l), MW-24 (217 ug/l), and MW-25 (151 ug/l). The 1st Quarter 2018 sampling round shows that 1,1-Dichloroethane was detected at MW-14 (35.6 ug/l) and MW-19 (0.40 J ug/l). The 4th Quarter 2017 sampling round shows that 1,1-Dichloroethane was detected at MW-1 (67.3 ug/l), MW-2 (22.9 ug/l), MW-6 (137 ug/l), MW-7 (5.6 ug/l), MW-9 (5.9 ug/l), MW-10 (4.0 ug/l), MW-17 (0.26 J ug/l), MW-22 (1.3 ug/l), MW-23 (3.0 ug/l), MW-24 (325 ug/l), and MW-25 (98.9 ug/l). The 3rd Quarter 2017 sampling round shows that 1,1-Dichloroethane was detected at MW-11 (78.0 ug/l), MW-12 (21.4 ug/l), MW-14 (48.2 ug/l), and MW-19 (0.56 J 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-6 during the 2nd Quarter 2018 sampling event. The PAL was exceeded at MW-24 during the 2nd Quarter 2018 sampling event.. The PAL was exceeded at MW-25 during the 2nd Quarter 2018 sampling event.

The 2nd Quarter 2018 sampling round shows that 1,2-Dichloroethane was detected at MW-24 (1.6 J ug/l) and MW-25 (0.49 ug/l J). The 4th Quarter 2017 sampling round shows that 1,2-Dichloroethane was detected at MW-25 (0.52 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 2018 sampling event.. The PAL was exceeded at MW-25 during the 4th Quarter 2017 sampling event.

The 2nd Quarter 2018 sampling round shows that 1,1-Dichloroethene was detected at MW-1 (0.75 J ug/l), MW-6 (0.23 J ug/l), MW-7 (1.7 ug/l), MW-9 (1.2 ug/l), MW-10 (0.73 J ug/l), MW-22 (0.66 J ug/l), MW-23 (1.7 ug/l), and MW-25 (3.4 ug/l). The 1st Quarter 2018 sampling round shows that 1,1-Dichloroethene was detected at MW-14 (5.3 ug/l). The 4th Quarter 2017 sampling round shows that 1,1-Dichloroethene was detected at MW-24 (2.2 J ug/l). The 3rd Quarter 2017 sampling round shows that 1,1-Dichloroethene was detected at MW-11 (4.8 ug/l) and MW-14 (5.4 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-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, 1st Quarter 2016, 3rd Quarter 2017 sampling event, and 1st Quarter 2018. The PAL was exceeded at MW-11 during the 3rd Quarter 2017 sampling event. The PAL was exceeded at MW-24 during the 4th Quarter 2017 sampling event.

The 2nd Quarter 2018 sampling round shows that cis-1,2-Dichloroethene was detected at MW-1 (0.71 J ug/l), MW-6 (0.95 J ug/l), MW-9 (0.89 J ug/l), MW-10 (1.3 ug/l), and MW-25 (4.2 ug/l). The 1st Quarter 2018 sampling round shows that cis-1,2-Dichloroethene was detected at MW-11 (181 ug/l) and MW-14 (5.7 ug/l). The

4th Quarter 2017 sampling round shows that cis-1,2-Dichloroethene was detected at MW-1 (0.81 J ug/l), MW-6 (1.9 J ug/l), MW-9 (1.3 ug/l), and MW-25 (3.8 ug/l). The 3rd Quarter 2017 sampling round shows that cis-1,2-Dichloroethene was detected at MW-11 (168 ug/l), MW-12 (2.6 ug/l), and MW-14 (6.3 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 3rd Quarter 2017 and 1st Quarter 2018 sampling event.

The 2nd Quarter 2016 sampling round showed that trans-1,2-Dichloroethene was detected at MW-25 (0.66 J ug/l). The 1st Quarter 2018 sampling round showed that trans-1,2-Dichloroethene was detected at MW-11 (9.6 ug/l). The 4th Quarter 2017 sampling round showed that trans-1,2-Dichloroethene was detected at MW-11 (0.48 J ug/l), MW-10 (5.3 ug/l), and MW-25 (0.62 J ug/l). The 3rd Quarter 2017 sampling round showed that trans-1,2-Dichloroethene was detected at MW-11 (7.9 ug/l) and MW-14 (0.59 J ug/l). The PAL is 20 ug/l and the ES is 100 ug/l for trans-1,2-Dichloroethene.

The 2nd Quarter 2018 sampling round shows that 1,2-Dichlorobenzene was detected at MW-10 (1.2 ug/l). The 4th Quarter 2017 sampling round shows that 1,2-Dichlorobenzene was detected at MW-10 (1.3 J 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 2018 sampling round shows that Trichloroethene was detected at MW-11 (8.0 ug/l) and MW- MW-14 (5.9 ug/l). The 3rd Quarter 2017 sampling round shows that Trichloroethene was detected at MW-11 (6.1ug/l) and MW-14 (5.4 ug/l). Trichloroethene was not detected at any monitoring well, above the limits of detection, during the 4th Quarter 2017 and 2nd Quarter 2018 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 1st Quarter 2017 sampling event. The ES was exceeded at MW-11 during the 3rd Quarter 2017 and 1st Quarter 2018 sampling event. The ES was exceeded at MW-14 during the 3rd Quarter 2017 and 1st Quarter 2018 sampling event.

Chloroethane was detected at MW-1 (9.7 ug/l), MW-2 (5.7 ug/l), MW-6 (18.2 ug/l), MW-7 (5.8 ug/l), MW-9 (2.2 ug/l), MW-10 (1.6 ug/l), MW-22 (1.5 ug/l), MW-23 (3.5 ug/l), MW-24 (16.3 ug/l), and MW-25 (8.6 ug/l) during the 2nd Quarter 2018 sampling event. Chloroethane was detected at MW-1 (14.8 ug/l), MW-2 (9.0 ug/l), MW-6 (4.8 ug/l), and MW-24 (31.0 ug/l), during the 4th Quarter 2017 sampling event. Chloroethane was detected at MW-12 (2.7 ug/l) during the 3rd Quarter 2017 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 any 2018 sampling event. The PAL is 0.6 ug/l and the Enforcement Standard (ES) is 6 ug/l for Chloroform.

Chloromethane was detected at MW-24 (4.0 ug/l) during the 4th Quarter 2017 sampling event. Chloromethane was not detected at any monitoring well, in quantities above the method detection limit, during the 3rd Quarter 2017, 2nd Quarter 2018, and 1st Quarter 2017 sampling event. The PAL is 0.3 ug/l and the ES is 3.0 ug/l for Chloromethane. The ES was exceeded at MW-24 during the 4th Quarter 2017 sampling event.

The 1st Quarter 2018 sampling round shows that Tetrachloroethene was detected at MW-11 (7.2 ug/l). The 3rd Quarter 2017 sampling round shows that Tetrachloroethene was detected at MW-11 (3.0 ug/l). Tetrachloroethene was not detected at any monitoring well, in quantities above the method detection limit, 2nd Quarter 2018 and 4th Quarter 2017 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 2017 and 1st Quarter 2017 sampling event. The ES was exceeded at MW-11 during the 1st Quarter 2016 and 1st Quarter 2018 sampling event.

The 2nd Quarter 2018 sampling round shows that Vinyl Chloride was detected at MW-1 (3.3 ug/l), MW-2 (0.40 J ug/l), MW-6 (1.5 J ug/l), MW-10 (73.0 ug/l), MW-24 (5.7 ug/l), and MW-25 (1.8 ug/l). The PAL is 0.02 ug/l and the ES is 0.2 ug/l for Vinyl Chloride. The 1st Quarter 2018 sampling round shows that Vinyl Chloride was detected at MW-11 (0.95 J ug/l) and MW-14 (0.59 J ug/l). The 4th Quarter 2017 sampling round shows that Vinyl Chloride was detected at MW-2 (0.84 J ug/l), MW-6 (0.97 J ug/l), MW-10 (271 ug/l), MW-24 (5.9 ug/l), and MW-25 (1.3 ug/l). The 3rd Quarter 2017 sampling round shows that Vinyl Chloride was detected at MW-11 (1.4 J ug/l) and MW-14 (0.99 J ug/l). 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-11 and MW-14 during the 3rd Quarter 2017 and 1st Quarter 2018 sampling event. The ES was exceeded at MW-2, MW-6, MW-10, MW-24, and MW-25 during the 4th Quarter 2017 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 at MW-24 (1.7 J ug/l) during the 4th Quarter 2017 sampling event. The 3rd Quarter 2017 sampling round shows that Methylene Chloride was detected at MW-11 (0.79 J ug/l) and MW-12 (0.67 J ug/l). 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. The PAL was exceeded at MW-11 and MW-12 during the 3rd Quarter 2017 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 2018 and 3rd Quarter 2017 sampling event. The PAL is 0.2 mg/l and the ES is 1 mg/l for Toluene.

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 July 27, 2017.

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

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

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

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

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.

Selected interior and perimeter monitoring wells will continue to be sampled for VOCs semi-annually, alternating quarterly, during 2018. The next groundwater-sampling round will occur during the 3rd Quarter 2018.

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.

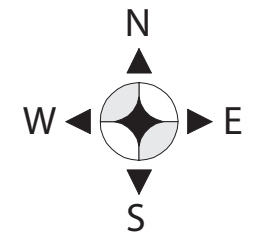
LIST OF APPENDICES

APPENDIX I: Well Location/Flow Direction Maps

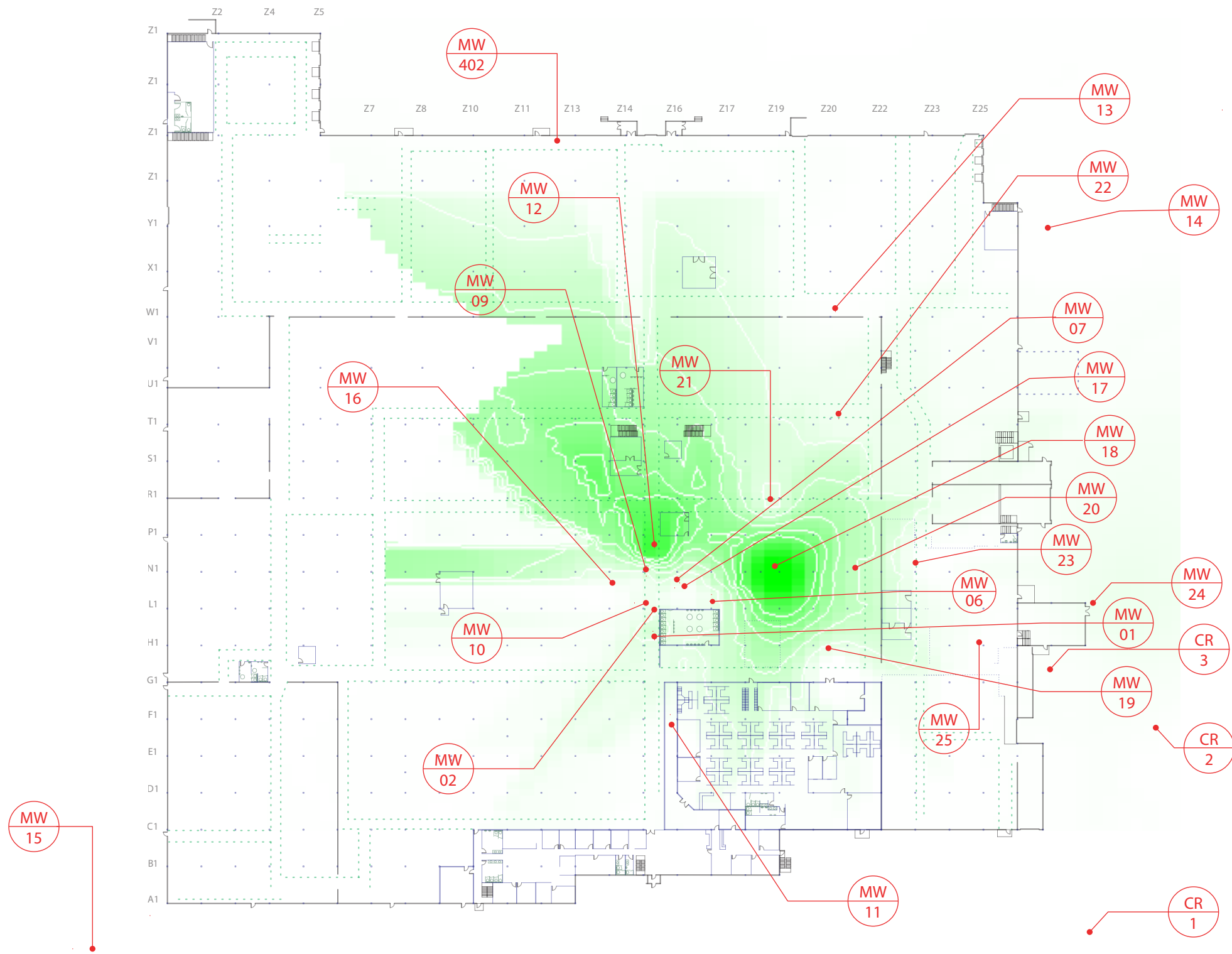
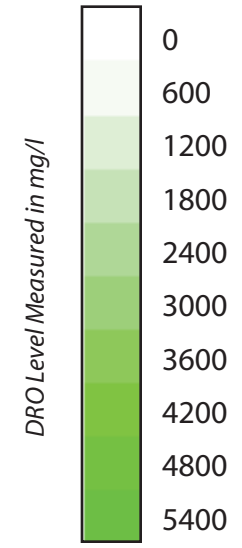
APPENDIX II: Laboratory Reports

APPENDIX III: Mann-Kendall Statistical Tests

APPENDIX IV: Vapor Intrusion Results



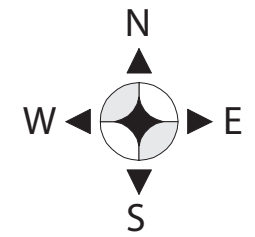
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1" = 85'



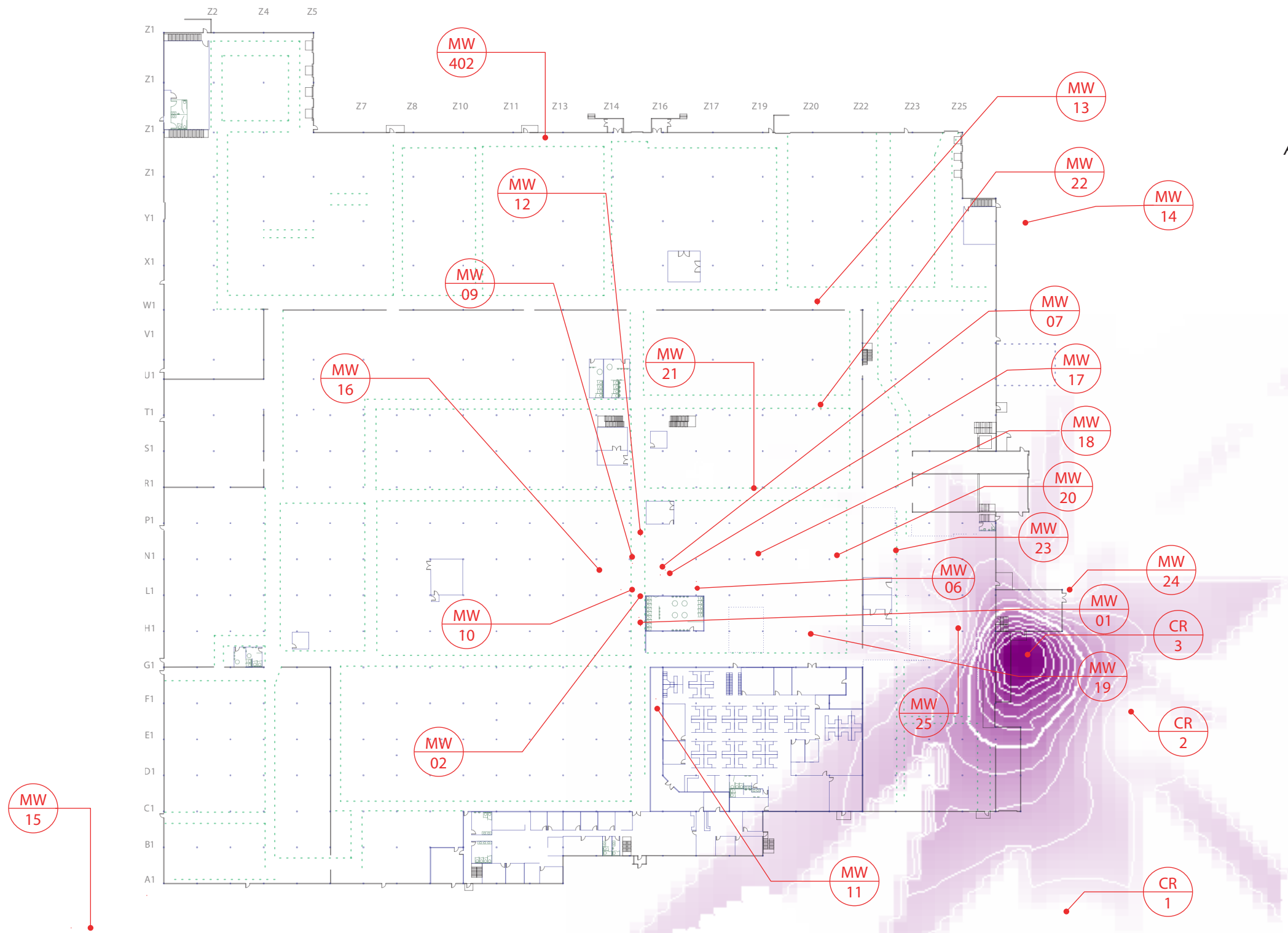
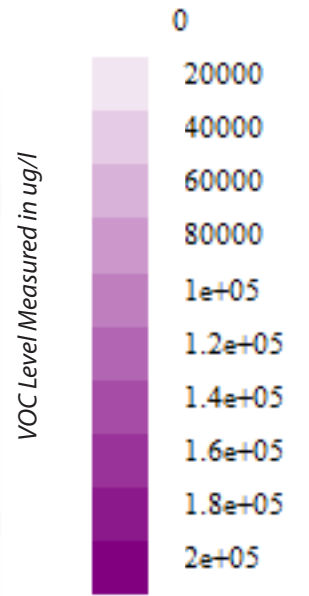
Twin Disc, Inc.
Broach Pit Project
2D - DRO Level Map
Plant 3 - Level 1

Drawn on 05/16/15





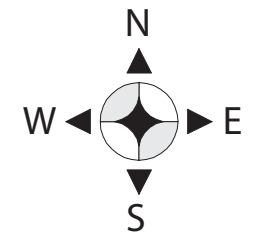
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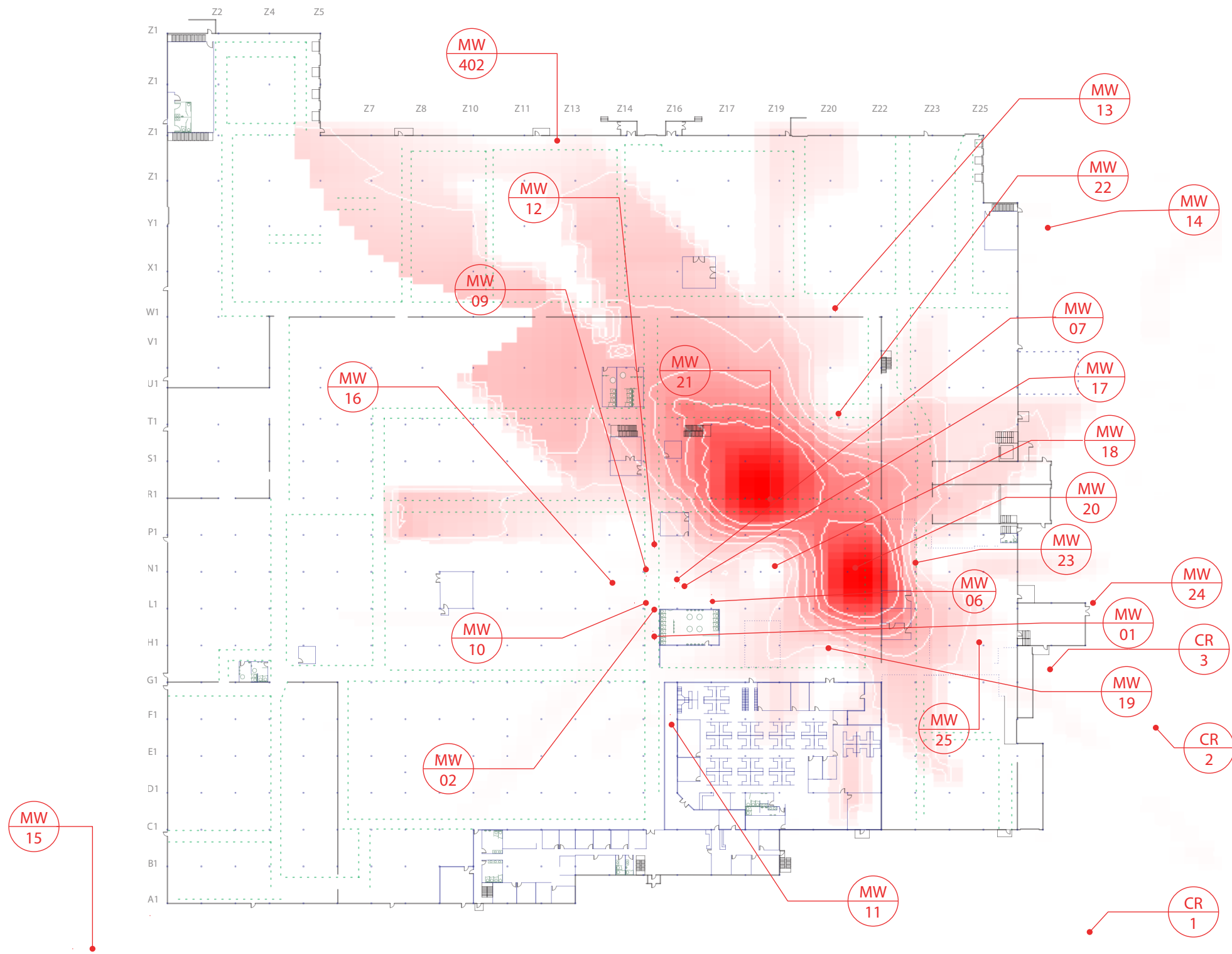
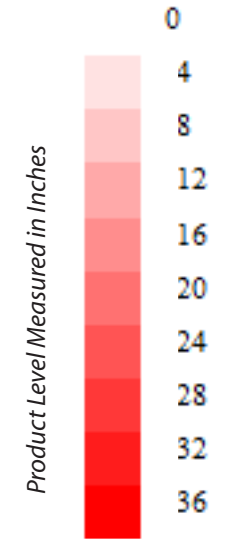
Twin Disc, Inc.
Broach Pit Project
2D - VOC Level Map
Plant 3 - Level 1

Drawn on 07/20/16





APPROXIMATE SCALE:
1" = 85'



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

Drawn on 07/20/16



March 19, 2018

John Ruetz
Environmental Audits Inc
11327 W Lincoln Ave
West Allis, WI 53227

RE: Project: TD P3 GW
Pace Project No.: 40165944

Dear John Ruetz:

Enclosed are the analytical results for sample(s) received by the laboratory on March 15, 2018. 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: Ed Raymond, Environmental Audits, Inc
Stephanie Wagner, Environmental Audits, Inc.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: TD P3 GW

Pace Project No.: 40165944

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

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SAMPLE SUMMARY

Project: TD P3 GW
Pace Project No.: 40165944

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40165944001	MW-14	Water	03/12/18 00:00	03/15/18 08:55
40165944002	MW-15	Water	03/12/18 00:00	03/15/18 08:55
40165944003	CR-2	Water	03/12/18 00:00	03/15/18 08:55
40165944004	CR-4	Water	03/12/18 00:00	03/15/18 08:55
40165944005	CR-5	Water	03/12/18 00:00	03/15/18 08:55

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SAMPLE ANALYTE COUNT

Project: TD P3 GW
Pace Project No.: 40165944

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40165944001	MW-14	EPA 8260	LAP	64
40165944002	MW-15	EPA 8260	LAP	64
40165944003	CR-2	EPA 8260	LAP	64
40165944004	CR-4	EPA 8260	LAP	64
40165944005	CR-5	EPA 8260	LAP	64

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TD P3 GW
Pace Project No.: 40165944

Sample: MW-14 **Lab ID: 40165944001** Collected: 03/12/18 00:00 Received: 03/15/18 08:55 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		03/16/18 14:05	630-20-6	
1,1,1-Trichloroethane	67.7	ug/L	1.0	0.50	1		03/16/18 14:05	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		03/16/18 14:05	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		03/16/18 14:05	79-00-5	
1,1-Dichloroethane	35.6	ug/L	1.0	0.24	1		03/16/18 14:05	75-34-3	
1,1-Dichloroethene	5.3	ug/L	1.0	0.41	1		03/16/18 14:05	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		03/16/18 14:05	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		03/16/18 14:05	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		03/16/18 14:05	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		03/16/18 14:05	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/18 14:05	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		03/16/18 14:05	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		03/16/18 14:05	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/18 14:05	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		03/16/18 14:05	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		03/16/18 14:05	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/18 14:05	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/18 14:05	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		03/16/18 14:05	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/18 14:05	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		03/16/18 14:05	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		03/16/18 14:05	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		03/16/18 14:05	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		03/16/18 14:05	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		03/16/18 14:05	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		03/16/18 14:05	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		03/16/18 14:05	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		03/16/18 14:05	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		03/16/18 14:05	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		03/16/18 14:05	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/18 14:05	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		03/16/18 14:05	75-00-3	L1
Chloroform	<2.5	ug/L	5.0	2.5	1		03/16/18 14:05	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		03/16/18 14:05	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		03/16/18 14:05	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		03/16/18 14:05	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		03/16/18 14:05	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		03/16/18 14:05	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/18 14:05	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		03/16/18 14:05	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		03/16/18 14:05	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		03/16/18 14:05	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		03/16/18 14:05	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		03/16/18 14:05	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		03/16/18 14:05	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		03/16/18 14:05	127-18-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TD P3 GW
Pace Project No.: 40165944

Sample: MW-14 **Lab ID: 40165944001** Collected: 03/12/18 00:00 Received: 03/15/18 08:55 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		03/16/18 14:05	108-88-3	
Trichloroethene	5.9	ug/L	1.0	0.33	1		03/16/18 14:05	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		03/16/18 14:05	75-69-4	L1
Vinyl chloride	0.59J	ug/L	1.0	0.18	1		03/16/18 14:05	75-01-4	
cis-1,2-Dichloroethene	5.7	ug/L	1.0	0.26	1		03/16/18 14:05	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		03/16/18 14:05	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		03/16/18 14:05	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/18 14:05	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/18 14:05	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		03/16/18 14:05	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		03/16/18 14:05	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		03/16/18 14:05	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		03/16/18 14:05	98-06-6	
trans-1,2-Dichloroethene	0.37J	ug/L	1.0	0.26	1		03/16/18 14:05	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		03/16/18 14:05	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	61-130		1		03/16/18 14:05	460-00-4	
Dibromofluoromethane (S)	110	%	67-130		1		03/16/18 14:05	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		03/16/18 14:05	2037-26-5	

Sample: MW-15 **Lab ID: 40165944002** Collected: 03/12/18 00:00 Received: 03/15/18 08:55 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		03/16/18 10:48	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		03/16/18 10:48	71-55-6	
1,1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		03/16/18 10:48	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		03/16/18 10:48	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		03/16/18 10:48	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		03/16/18 10:48	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		03/16/18 10:48	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		03/16/18 10:48	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		03/16/18 10:48	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		03/16/18 10:48	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/18 10:48	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		03/16/18 10:48	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		03/16/18 10:48	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/18 10:48	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		03/16/18 10:48	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		03/16/18 10:48	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/18 10:48	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/18 10:48	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		03/16/18 10:48	142-28-9	

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ANALYTICAL RESULTS

Project: TD P3 GW
Pace Project No.: 40165944

Sample: MW-15 **Lab ID: 40165944002** Collected: 03/12/18 00:00 Received: 03/15/18 08:55 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		03/16/18 10:48	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		03/16/18 10:48	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		03/16/18 10:48	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		03/16/18 10:48	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		03/16/18 10:48	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		03/16/18 10:48	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		03/16/18 10:48	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		03/16/18 10:48	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		03/16/18 10:48	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		03/16/18 10:48	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		03/16/18 10:48	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/18 10:48	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		03/16/18 10:48	75-00-3	L1
Chloroform	<2.5	ug/L	5.0	2.5	1		03/16/18 10:48	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		03/16/18 10:48	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		03/16/18 10:48	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		03/16/18 10:48	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		03/16/18 10:48	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		03/16/18 10:48	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/18 10:48	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		03/16/18 10:48	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		03/16/18 10:48	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		03/16/18 10:48	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		03/16/18 10:48	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		03/16/18 10:48	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		03/16/18 10:48	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		03/16/18 10:48	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		03/16/18 10:48	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		03/16/18 10:48	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		03/16/18 10:48	75-69-4	L1
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		03/16/18 10:48	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		03/16/18 10:48	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		03/16/18 10:48	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		03/16/18 10:48	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/18 10:48	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/18 10:48	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		03/16/18 10:48	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		03/16/18 10:48	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		03/16/18 10:48	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		03/16/18 10:48	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		03/16/18 10:48	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		03/16/18 10:48	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	86	%	61-130		1		03/16/18 10:48	460-00-4	
Dibromofluoromethane (S)	108	%	67-130		1		03/16/18 10:48	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		03/16/18 10:48	2037-26-5	

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ANALYTICAL RESULTS

Project: TD P3 GW

Pace Project No.: 40165944

Sample: CR-2 **Lab ID: 40165944003** Collected: 03/12/18 00:00 Received: 03/15/18 08:55 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		03/16/18 12:15	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		03/16/18 12:15	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		03/16/18 12:15	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		03/16/18 12:15	79-00-5	
1,1-Dichloroethane	3.0	ug/L	1.0	0.24	1		03/16/18 12:15	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		03/16/18 12:15	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		03/16/18 12:15	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		03/16/18 12:15	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		03/16/18 12:15	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		03/16/18 12:15	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/18 12:15	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		03/16/18 12:15	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		03/16/18 12:15	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/18 12:15	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		03/16/18 12:15	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		03/16/18 12:15	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/18 12:15	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/18 12:15	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		03/16/18 12:15	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/18 12:15	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		03/16/18 12:15	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		03/16/18 12:15	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		03/16/18 12:15	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		03/16/18 12:15	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		03/16/18 12:15	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		03/16/18 12:15	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		03/16/18 12:15	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		03/16/18 12:15	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		03/16/18 12:15	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		03/16/18 12:15	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/18 12:15	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		03/16/18 12:15	75-00-3	L1
Chloroform	<2.5	ug/L	5.0	2.5	1		03/16/18 12:15	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		03/16/18 12:15	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		03/16/18 12:15	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		03/16/18 12:15	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		03/16/18 12:15	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		03/16/18 12:15	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/18 12:15	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		03/16/18 12:15	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		03/16/18 12:15	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		03/16/18 12:15	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		03/16/18 12:15	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		03/16/18 12:15	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		03/16/18 12:15	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		03/16/18 12:15	127-18-4	

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ANALYTICAL RESULTS

Project: TD P3 GW

Pace Project No.: 40165944

Sample: CR-2 **Lab ID: 40165944003** Collected: 03/12/18 00:00 Received: 03/15/18 08:55 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		03/16/18 12:15	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		03/16/18 12:15	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		03/16/18 12:15	75-69-4	L1
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		03/16/18 12:15	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		03/16/18 12:15	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		03/16/18 12:15	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		03/16/18 12:15	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/18 12:15	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/18 12:15	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		03/16/18 12:15	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		03/16/18 12:15	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		03/16/18 12:15	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		03/16/18 12:15	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		03/16/18 12:15	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		03/16/18 12:15	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	61-130		1		03/16/18 12:15	460-00-4	pH
Dibromofluoromethane (S)	105	%	67-130		1		03/16/18 12:15	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		03/16/18 12:15	2037-26-5	

Sample: CR-4 **Lab ID: 40165944004** Collected: 03/12/18 00:00 Received: 03/15/18 08:55 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		03/16/18 12:37	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		03/16/18 12:37	71-55-6	
1,1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		03/16/18 12:37	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		03/16/18 12:37	79-00-5	
1,1-Dichloroethane	0.49J	ug/L	1.0	0.24	1		03/16/18 12:37	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		03/16/18 12:37	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		03/16/18 12:37	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		03/16/18 12:37	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		03/16/18 12:37	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		03/16/18 12:37	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/18 12:37	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		03/16/18 12:37	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		03/16/18 12:37	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/18 12:37	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		03/16/18 12:37	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		03/16/18 12:37	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/18 12:37	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/18 12:37	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		03/16/18 12:37	142-28-9	

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ANALYTICAL RESULTS

Project: TD P3 GW
Pace Project No.: 40165944

Sample: CR-4 **Lab ID: 40165944004** Collected: 03/12/18 00:00 Received: 03/15/18 08:55 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		03/16/18 12:37	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		03/16/18 12:37	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		03/16/18 12:37	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		03/16/18 12:37	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		03/16/18 12:37	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		03/16/18 12:37	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		03/16/18 12:37	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		03/16/18 12:37	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		03/16/18 12:37	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		03/16/18 12:37	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		03/16/18 12:37	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/18 12:37	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		03/16/18 12:37	75-00-3	L1
Chloroform	<2.5	ug/L	5.0	2.5	1		03/16/18 12:37	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		03/16/18 12:37	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		03/16/18 12:37	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		03/16/18 12:37	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		03/16/18 12:37	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		03/16/18 12:37	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/18 12:37	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		03/16/18 12:37	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		03/16/18 12:37	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		03/16/18 12:37	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		03/16/18 12:37	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		03/16/18 12:37	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		03/16/18 12:37	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		03/16/18 12:37	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		03/16/18 12:37	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		03/16/18 12:37	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		03/16/18 12:37	75-69-4	L1
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		03/16/18 12:37	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		03/16/18 12:37	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		03/16/18 12:37	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		03/16/18 12:37	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/18 12:37	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/18 12:37	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		03/16/18 12:37	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		03/16/18 12:37	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		03/16/18 12:37	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		03/16/18 12:37	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		03/16/18 12:37	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		03/16/18 12:37	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	88	%	61-130		1		03/16/18 12:37	460-00-4	
Dibromofluoromethane (S)	107	%	67-130		1		03/16/18 12:37	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		03/16/18 12:37	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TD P3 GW
Pace Project No.: 40165944

Sample: CR-5 **Lab ID: 40165944005** Collected: 03/12/18 00:00 Received: 03/15/18 08:55 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		03/16/18 12:59	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		03/16/18 12:59	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		03/16/18 12:59	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		03/16/18 12:59	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		03/16/18 12:59	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		03/16/18 12:59	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		03/16/18 12:59	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		03/16/18 12:59	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		03/16/18 12:59	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		03/16/18 12:59	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/18 12:59	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		03/16/18 12:59	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		03/16/18 12:59	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/18 12:59	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		03/16/18 12:59	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		03/16/18 12:59	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/18 12:59	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/18 12:59	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		03/16/18 12:59	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/18 12:59	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		03/16/18 12:59	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		03/16/18 12:59	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		03/16/18 12:59	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		03/16/18 12:59	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		03/16/18 12:59	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		03/16/18 12:59	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		03/16/18 12:59	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		03/16/18 12:59	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		03/16/18 12:59	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		03/16/18 12:59	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/18 12:59	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		03/16/18 12:59	75-00-3	L1
Chloroform	<2.5	ug/L	5.0	2.5	1		03/16/18 12:59	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		03/16/18 12:59	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		03/16/18 12:59	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		03/16/18 12:59	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		03/16/18 12:59	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		03/16/18 12:59	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/18 12:59	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		03/16/18 12:59	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		03/16/18 12:59	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		03/16/18 12:59	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		03/16/18 12:59	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		03/16/18 12:59	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		03/16/18 12:59	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		03/16/18 12:59	127-18-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TD P3 GW

Pace Project No.: 40165944

Sample: CR-5 **Lab ID: 40165944005** Collected: 03/12/18 00:00 Received: 03/15/18 08:55 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		03/16/18 12:59	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		03/16/18 12:59	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		03/16/18 12:59	75-69-4	L1
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		03/16/18 12:59	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		03/16/18 12:59	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		03/16/18 12:59	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		03/16/18 12:59	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/18 12:59	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/18 12:59	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		03/16/18 12:59	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		03/16/18 12:59	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		03/16/18 12:59	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		03/16/18 12:59	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		03/16/18 12:59	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		03/16/18 12:59	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	61-130		1		03/16/18 12:59	460-00-4	
Dibromofluoromethane (S)	107	%	67-130		1		03/16/18 12:59	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		03/16/18 12:59	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TD P3 GW
Pace Project No.: 40165944

QC Batch: 283463 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40165944001, 40165944002, 40165944003, 40165944004, 40165944005

METHOD BLANK: 1659969 Matrix: Water
Associated Lab Samples: 40165944001, 40165944002, 40165944003, 40165944004, 40165944005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	03/16/18 08:14	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	03/16/18 08:14	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	03/16/18 08:14	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	03/16/18 08:14	
1,1-Dichloroethane	ug/L	<0.24	1.0	03/16/18 08:14	
1,1-Dichloroethene	ug/L	<0.41	1.0	03/16/18 08:14	
1,1-Dichloropropene	ug/L	<0.44	1.0	03/16/18 08:14	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	03/16/18 08:14	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	03/16/18 08:14	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	03/16/18 08:14	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	03/16/18 08:14	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	03/16/18 08:14	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	03/16/18 08:14	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	03/16/18 08:14	
1,2-Dichloroethane	ug/L	<0.17	1.0	03/16/18 08:14	
1,2-Dichloropropane	ug/L	<0.23	1.0	03/16/18 08:14	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	03/16/18 08:14	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	03/16/18 08:14	
1,3-Dichloropropane	ug/L	<0.50	1.0	03/16/18 08:14	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	03/16/18 08:14	
2,2-Dichloropropane	ug/L	<0.48	1.0	03/16/18 08:14	
2-Chlorotoluene	ug/L	<0.50	1.0	03/16/18 08:14	
4-Chlorotoluene	ug/L	<0.21	1.0	03/16/18 08:14	
Benzene	ug/L	<0.50	1.0	03/16/18 08:14	
Bromobenzene	ug/L	<0.23	1.0	03/16/18 08:14	
Bromochloromethane	ug/L	<0.34	1.0	03/16/18 08:14	
Bromodichloromethane	ug/L	<0.50	1.0	03/16/18 08:14	
Bromoform	ug/L	<0.50	1.0	03/16/18 08:14	
Bromomethane	ug/L	<2.4	5.0	03/16/18 08:14	
Carbon tetrachloride	ug/L	<0.50	1.0	03/16/18 08:14	
Chlorobenzene	ug/L	<0.50	1.0	03/16/18 08:14	
Chloroethane	ug/L	<0.37	1.0	03/16/18 08:14	
Chloroform	ug/L	<2.5	5.0	03/16/18 08:14	
Chloromethane	ug/L	<0.50	1.0	03/16/18 08:14	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	03/16/18 08:14	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	03/16/18 08:14	
Dibromochloromethane	ug/L	<0.50	1.0	03/16/18 08:14	
Dibromomethane	ug/L	<0.43	1.0	03/16/18 08:14	
Dichlorodifluoromethane	ug/L	<0.22	1.0	03/16/18 08:14	
Diisopropyl ether	ug/L	<0.50	1.0	03/16/18 08:14	
Ethylbenzene	ug/L	<0.50	1.0	03/16/18 08:14	

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QUALITY CONTROL DATA

Project: TD P3 GW
Pace Project No.: 40165944

METHOD BLANK: 1659969 Matrix: Water
Associated Lab Samples: 40165944001, 40165944002, 40165944003, 40165944004, 40165944005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	03/16/18 08:14	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	03/16/18 08:14	
m&p-Xylene	ug/L	<1.0	2.0	03/16/18 08:14	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	03/16/18 08:14	
Methylene Chloride	ug/L	<0.23	1.0	03/16/18 08:14	
n-Butylbenzene	ug/L	<0.50	1.0	03/16/18 08:14	
n-Propylbenzene	ug/L	<0.50	1.0	03/16/18 08:14	
Naphthalene	ug/L	<2.5	5.0	03/16/18 08:14	
o-Xylene	ug/L	<0.50	1.0	03/16/18 08:14	
p-Isopropyltoluene	ug/L	<0.50	1.0	03/16/18 08:14	
sec-Butylbenzene	ug/L	<2.2	5.0	03/16/18 08:14	
Styrene	ug/L	<0.50	1.0	03/16/18 08:14	
tert-Butylbenzene	ug/L	<0.18	1.0	03/16/18 08:14	
Tetrachloroethene	ug/L	<0.50	1.0	03/16/18 08:14	
Toluene	ug/L	<0.50	1.0	03/16/18 08:14	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	03/16/18 08:14	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	03/16/18 08:14	
Trichloroethene	ug/L	<0.33	1.0	03/16/18 08:14	
Trichlorofluoromethane	ug/L	<0.18	1.0	03/16/18 08:14	
Vinyl chloride	ug/L	<0.18	1.0	03/16/18 08:14	
4-Bromofluorobenzene (S)	%	93	61-130	03/16/18 08:14	
Dibromofluoromethane (S)	%	103	67-130	03/16/18 08:14	
Toluene-d8 (S)	%	102	70-130	03/16/18 08:14	

LABORATORY CONTROL SAMPLE: 1659970

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	61.5	123	70-130	
1,1,1,2-Tetrachloroethane	ug/L	50	54.7	109	70-130	
1,1,2-Trichloroethane	ug/L	50	53.8	108	70-130	
1,1-Dichloroethane	ug/L	50	62.2	124	71-132	
1,1-Dichloroethene	ug/L	50	63.5	127	75-130	
1,2,4-Trichlorobenzene	ug/L	50	44.5	89	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	48.8	98	63-123	
1,2-Dibromoethane (EDB)	ug/L	50	54.9	110	70-130	
1,2-Dichlorobenzene	ug/L	50	55.4	111	70-130	
1,2-Dichloroethane	ug/L	50	58.7	117	70-131	
1,2-Dichloropropane	ug/L	50	54.6	109	80-120	
1,3-Dichlorobenzene	ug/L	50	54.9	110	70-130	
1,4-Dichlorobenzene	ug/L	50	55.8	112	70-130	
Benzene	ug/L	50	56.7	113	73-145	
Bromodichloromethane	ug/L	50	57.2	114	70-130	
Bromoform	ug/L	50	57.3	115	67-130	
Bromomethane	ug/L	50	51.7	103	26-128	

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QUALITY CONTROL DATA

Project: TD P3 GW
Pace Project No.: 40165944

LABORATORY CONTROL SAMPLE: 1659970

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	62.5	125	70-133	
Chlorobenzene	ug/L	50	56.4	113	70-130	
Chloroethane	ug/L	50	61.3	123	58-120	L1
Chloroform	ug/L	50	59.5	119	80-121	
Chloromethane	ug/L	50	61.5	123	40-127	
cis-1,2-Dichloroethene	ug/L	50	53.5	107	70-130	
cis-1,3-Dichloropropene	ug/L	50	52.4	105	70-130	
Dibromochloromethane	ug/L	50	55.2	110	70-130	
Dichlorodifluoromethane	ug/L	50	62.2	124	20-135	
Ethylbenzene	ug/L	50	55.4	111	87-129	
Isopropylbenzene (Cumene)	ug/L	50	56.3	113	70-130	
m&p-Xylene	ug/L	100	117	117	70-130	
Methyl-tert-butyl ether	ug/L	50	53.2	106	66-143	
Methylene Chloride	ug/L	50	56.4	113	70-130	
o-Xylene	ug/L	50	54.5	109	70-130	
Styrene	ug/L	50	54.8	110	70-130	
Tetrachloroethene	ug/L	50	55.0	110	70-130	
Toluene	ug/L	50	54.6	109	82-130	
trans-1,2-Dichloroethene	ug/L	50	57.8	116	75-132	
trans-1,3-Dichloropropene	ug/L	50	51.8	104	70-130	
Trichloroethene	ug/L	50	57.3	115	70-130	
Trichlorofluoromethane	ug/L	50	69.7	139	76-133	L1
Vinyl chloride	ug/L	50	63.8	128	57-136	
4-Bromofluorobenzene (S)	%			94	61-130	
Dibromofluoromethane (S)	%			109	67-130	
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1660687 1660688

Parameter	Units	40165944002		1660687		1660688		% 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	59.2	59.1	118	118	70-134	0	20			
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	56.7	57.7	113	115	70-130	2	20			
1,1,2-Trichloroethane	ug/L	<0.20	50	50	54.6	54.4	109	109	70-130	0	20			
1,1-Dichloroethane	ug/L	<0.24	50	50	59.0	58.6	118	117	71-133	1	20			
1,1-Dichloroethene	ug/L	<0.41	50	50	59.0	58.4	118	117	75-136	1	20			
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	47.0	48.1	94	96	70-130	2	20			
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	51.4	52.6	103	105	63-123	2	20			
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	55.2	54.9	110	110	70-130	1	20			
1,2-Dichlorobenzene	ug/L	<0.50	50	50	57.5	57.6	115	115	70-130	0	20			
1,2-Dichloroethane	ug/L	<0.17	50	50	57.4	57.7	115	115	70-131	1	20			
1,2-Dichloropropane	ug/L	<0.23	50	50	53.6	53.9	107	108	80-120	1	20			
1,3-Dichlorobenzene	ug/L	<0.50	50	50	56.4	56.7	113	113	70-130	1	20			
1,4-Dichlorobenzene	ug/L	<0.50	50	50	57.9	58.9	116	118	70-130	2	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 GW
Pace Project No.: 40165944

Parameter	Units	40165944002		MSD		MSD		MS		MSD		% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec								
Benzene	ug/L	<0.50	50	50	54.1	54.7	108	109	73-145	1	20					
Bromodichloromethane	ug/L	<0.50	50	50	53.6	54.2	107	108	70-130	1	20					
Bromoform	ug/L	<0.50	50	50	55.4	55.4	111	111	67-130	0	20					
Bromomethane	ug/L	<2.4	50	50	43.5	43.1	87	86	26-129	1	20					
Carbon tetrachloride	ug/L	<0.50	50	50	58.1	60.0	116	120	70-134	3	20					
Chlorobenzene	ug/L	<0.50	50	50	55.2	54.7	110	109	70-130	1	20					
Chloroethane	ug/L	<0.37	50	50	52.9	52.5	106	105	58-120	1	20					
Chloroform	ug/L	<2.5	50	50	57.7	57.8	115	116	80-121	0	20					
Chloromethane	ug/L	<0.50	50	50	43.1	43.7	86	87	40-128	1	20					
cis-1,2-Dichloroethene	ug/L	<0.26	50	50	50.8	59.0	102	118	70-130	15	20					
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	51.1	52.9	102	106	70-130	4	20					
Dibromochloromethane	ug/L	<0.50	50	50	57.0	56.0	114	112	70-130	2	20					
Dichlorodifluoromethane	ug/L	<0.22	50	50	29.6	29.0	59	58	20-146	2	20					
Ethylbenzene	ug/L	<0.50	50	50	54.7	55.0	109	110	87-129	0	20					
Isopropylbenzene (Cumene)	ug/L	<0.14	50	50	55.3	54.6	111	109	70-130	1	20					
m&p-Xylene	ug/L	<1.0	100	100	111	112	111	112	70-130	1	20					
Methyl-tert-butyl ether	ug/L	<0.17	50	50	50.4	52.8	101	106	66-143	5	20					
Methylene Chloride	ug/L	<0.23	50	50	54.1	54.5	108	109	70-130	1	20					
o-Xylene	ug/L	<0.50	50	50	53.4	53.5	107	107	70-130	0	20					
Styrene	ug/L	<0.50	50	50	54.7	54.8	109	110	70-130	0	20					
Tetrachloroethene	ug/L	<0.50	50	50	54.2	52.8	108	106	70-130	3	20					
Toluene	ug/L	<0.50	50	50	54.1	54.3	108	109	82-131	1	20					
trans-1,2-Dichloroethene	ug/L	<0.26	50	50	55.9	56.3	112	113	75-135	1	20					
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	51.5	51.4	103	103	70-130	0	20					
Trichloroethene	ug/L	<0.33	50	50	54.2	55.5	108	111	70-130	2	20					
Trichlorofluoromethane	ug/L	<0.18	50	50	59.0	58.8	118	118	76-150	0	20					
Vinyl chloride	ug/L	<0.18	50	50	48.3	48.4	97	97	56-143	0	20					
4-Bromofluorobenzene (S)	%						99	98	61-130							
Dibromofluoromethane (S)	%						105	107	67-130							
Toluene-d8 (S)	%						99	99	70-130							

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: TD P3 GW
Pace Project No.: 40165944

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

L1 Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.

pH Post-analysis pH measurement indicates insufficient VOA sample preservation.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: TD P3 GW

Pace Project No.: 40165944

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40165944001	MW-14	EPA 8260	283463		
40165944002	MW-15	EPA 8260	283463		
40165944003	CR-2	EPA 8260	283463		
40165944004	CR-4	EPA 8260	283463		
40165944005	CR-5	EPA 8260	283463		

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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.

40165944
Page 19 of 21

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: Environmental Audits Inc.	Address: 11327 W Lincoln Avenue West Allis WI 53051	Report To: jfruetz@yahoo.com	Copy To: eentii@wi.rr.com, john@environmentalaudits.net	Attention: John Ruetz	Company Name: Environmental Audits Inc.
Email To: john@environmentalaudits.net	Phone: 414-226-5563	Project Name: TD P3 GW	Purchase Order No.: Verbal	Address: 11327 W Lincoln Avenue	Reference: Pace Quote
Requested Due Date/TAT:	Fax:	Project Number:		Manager:	Pace Profile #:
REGULATORY AGENCY			Requested Analysis Filtered (Y/N)		
<input type="checkbox"/> NPDES	<input checked="" type="checkbox"/> GROUND WATER	<input type="checkbox"/> DRINKING WATER			
<input type="checkbox"/> UST	<input type="checkbox"/> RCRA	<input type="checkbox"/> OTHER			
Site Location		Requested Analysis Filtered (Y/N)			
STATE: WI					

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WASTE WATER WT WASTE WATER PRODUCT SOLID OIL WPE MPE OTHER TISSUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.	
					COMPOSITE START	COMPOSITE END/GRAB			H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other					↓
1	001		MMW-14	GW				3												
2	002		MMW-15	GW				3												
3	003		CR-2	GW				3												
4	004		CR-4	GW				3												
5	005		CR-5	GW				3												
6				GW				3												
7																				
8																				
9																				
10																				
11																				
12																				

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME		SAMPLE CONDITIONS	
		Stephanie Wagner		3/12/18		1400		Mary Jannina		3/12/18		1335			
		Mary Jannina		3/14/18		1400		Mary Jannina		3/14/18		1335			
		ES Dept 3518		3/15/18		0835		DANIEL RICE		3/15/18		0835			

SAMPLER NAME AND SIGNATURE		DATE Signed (MM/DD/YY)	
PRINT Name of SAMPLER: John Ruetz		3/12/18	
SIGNATURE of SAMPLER:		3/12/18	

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

*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.

F-ALL-Q-020rev.08, 12-Oct-2007

Client Name: ENV Audits

Sample Preservation Receipt Form
Project # 40165944

Pace Analytical Services, LLC
1241 Bellevue Street, Suite 9
Green Bay, WI 53302

All containers needing preservation have been checked and noted below: Yes No N/A Lab Sld #ID of preservation (if pH adjusted):
Initial when completed: _____ Date/ Time: _____

Pace Lab #	Glass	Plastic	Vials	Jars	General	VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)													
													AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3C	BP3N
001												2.5 / 5 / 10													
002												2.5 / 5 / 10													
003												2.5 / 5 / 10													
004												2.5 / 5 / 10													
005												2.5 / 5 / 10													
006												2.5 / 5 / 10													
007												2.5 / 5 / 10													
008												2.5 / 5 / 10													
009												2.5 / 5 / 10													
010												2.5 / 5 / 10													
011												2.5 / 5 / 10													
012												2.5 / 5 / 10													
013												2.5 / 5 / 10													
014												2.5 / 5 / 10													
015												2.5 / 5 / 10													
016												2.5 / 5 / 10													
017												2.5 / 5 / 10													
018												2.5 / 5 / 10													
019												2.5 / 5 / 10													
020												2.5 / 5 / 10													

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

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	DG9A	40 mL amber ascorbic	JGFU	4 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP2N	500 mL plastic HNO3	DG9T	40 mL amber Na Thio	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH, Znact	VG9U	40 mL clear vial unpres	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3U	250 mL plastic unpres	VG9H	40 mL clear vial HCL	SP5T ZPLC GN:	120 mL plastic Na Thiosulfate ziploc bag
AG5U	100 mL amber glass unpres	BP3C	250 mL plastic NaOH	VG9M	40 mL clear vial MeOH		
AG2S	500 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9D	40 mL clear vial DI		
BG3U	250 mL clear glass unpres	BP3S	250 mL plastic H2SO4				

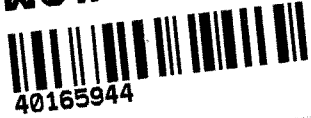
Sample Condition Upon Receipt Form (SCUR)

Client Name: ENV Audits

Project #: _____

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

WO#: **40165944**



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 - N/A Type of Ice: Wet Blue Dry None

Cooler Temperature Uncorr: N/A Corr: _____ Samples on ice, cooling process has begun

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

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

Person examining contents:
Date: 3/15/18
Initials: VS

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>no collect times on coc</u> <u>DS 3/15/18</u>
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3. <u>no Rel-Time</u> <u>DS 3/15/18</u>
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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A MS/MSD <input type="checkbox"/> Yes <input checked="" 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>		
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

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

Project Manager Review: AK for DM Date: 3/15/18

February 27, 2018

John Ruetz
Environmental Audits Inc
11327 W Lincoln Ave
West Allis, WI 53227

RE: Project: TD P3 1ST QTR GW
Pace Project No.: 40165067

Dear John Ruetz:

Enclosed are the analytical results for sample(s) received by the laboratory on February 23, 2018. 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: Ed Raymond, Environmental Audits, Inc
Stephanie Wagner, Environmental Audits, Inc.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: TD P3 1ST QTR GW

Pace Project No.: 40165067

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 1ST QTR GW

Pace Project No.: 40165067

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40165067001	MW-402 N	Water	02/22/18 10:35	02/23/18 14:18
40165067002	MW-11	Water	02/22/18 11:20	02/23/18 14:18
40165067003	MW-12	Water	02/22/18 10:30	02/23/18 14:18
40165067004	MW-13	Water	02/22/18 10:35	02/23/18 14:18
40165067005	MW-16	Water	02/22/18 10:55	02/23/18 14:18
40165067006	MW-19	Water	02/22/18 11:10	02/23/18 14:18

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SAMPLE ANALYTE COUNT

Project: TD P3 1ST QTR GW

Pace Project No.: 40165067

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40165067001	MW-402 N	EPA 8260	HNW	64
40165067002	MW-11	EPA 8260	HNW	64
40165067003	MW-12	EPA 8260	HNW	64
40165067004	MW-13	EPA 8260	HNW	64
40165067005	MW-16	EPA 8260	HNW	64
40165067006	MW-19	EPA 8260	HNW	64

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TD P3 1ST QTR GW

Pace Project No.: 40165067

Sample: MW-402 N **Lab ID: 40165067001** Collected: 02/22/18 10:35 Received: 02/23/18 14:18 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		02/26/18 12:17	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		02/26/18 12:17	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		02/26/18 12:17	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		02/26/18 12:17	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		02/26/18 12:17	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		02/26/18 12:17	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		02/26/18 12:17	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		02/26/18 12:17	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		02/26/18 12:17	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		02/26/18 12:17	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		02/26/18 12:17	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		02/26/18 12:17	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		02/26/18 12:17	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		02/26/18 12:17	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		02/26/18 12:17	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		02/26/18 12:17	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		02/26/18 12:17	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		02/26/18 12:17	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		02/26/18 12:17	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		02/26/18 12:17	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		02/26/18 12:17	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		02/26/18 12:17	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		02/26/18 12:17	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		02/26/18 12:17	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		02/26/18 12:17	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		02/26/18 12:17	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		02/26/18 12:17	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		02/26/18 12:17	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		02/26/18 12:17	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		02/26/18 12:17	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		02/26/18 12:17	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		02/26/18 12:17	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		02/26/18 12:17	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		02/26/18 12:17	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		02/26/18 12:17	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		02/26/18 12:17	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		02/26/18 12:17	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		02/26/18 12:17	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		02/26/18 12:17	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		02/26/18 12:17	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		02/26/18 12:17	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		02/26/18 12:17	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		02/26/18 12:17	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		02/26/18 12:17	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		02/26/18 12:17	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		02/26/18 12:17	127-18-4	

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ANALYTICAL RESULTS

Project: TD P3 1ST QTR GW

Pace Project No.: 40165067

Sample: MW-402 N **Lab ID: 40165067001** Collected: 02/22/18 10:35 Received: 02/23/18 14:18 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		02/26/18 12:17	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		02/26/18 12:17	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		02/26/18 12:17	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		02/26/18 12:17	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		02/26/18 12:17	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		02/26/18 12:17	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		02/26/18 12:17	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		02/26/18 12:17	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		02/26/18 12:17	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		02/26/18 12:17	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		02/26/18 12:17	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		02/26/18 12:17	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		02/26/18 12:17	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		02/26/18 12:17	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		02/26/18 12:17	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	61-130		1		02/26/18 12:17	460-00-4	
Dibromofluoromethane (S)	98	%	67-130		1		02/26/18 12:17	1868-53-7	
Toluene-d8 (S)	85	%	70-130		1		02/26/18 12:17	2037-26-5	

Sample: MW-11 **Lab ID: 40165067002** Collected: 02/22/18 11:20 Received: 02/23/18 14:18 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		02/26/18 11:33	630-20-6	
1,1,1-Trichloroethane	<1.2	ug/L	2.5	1.2	2.5		02/26/18 11:33	71-55-6	
1,1,1,2-Tetrachloroethane	<0.62	ug/L	2.5	0.62	2.5		02/26/18 11:33	79-34-5	
1,1,2-Trichloroethane	<0.49	ug/L	2.5	0.49	2.5		02/26/18 11:33	79-00-5	
1,1-Dichloroethane	<0.60	ug/L	2.5	0.60	2.5		02/26/18 11:33	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	2.5	1.0	2.5		02/26/18 11:33	75-35-4	
1,1-Dichloropropene	<1.1	ug/L	2.5	1.1	2.5		02/26/18 11:33	563-58-6	
1,2,3-Trichlorobenzene	<5.3	ug/L	12.5	5.3	2.5		02/26/18 11:33	87-61-6	
1,2,3-Trichloropropane	<1.2	ug/L	2.5	1.2	2.5		02/26/18 11:33	96-18-4	
1,2,4-Trichlorobenzene	<5.5	ug/L	12.5	5.5	2.5		02/26/18 11:33	120-82-1	
1,2,4-Trimethylbenzene	<1.2	ug/L	2.5	1.2	2.5		02/26/18 11:33	95-63-6	
1,2-Dibromo-3-chloropropane	<5.4	ug/L	12.5	5.4	2.5		02/26/18 11:33	96-12-8	
1,2-Dibromoethane (EDB)	<0.44	ug/L	2.5	0.44	2.5		02/26/18 11:33	106-93-4	
1,2-Dichlorobenzene	<1.2	ug/L	2.5	1.2	2.5		02/26/18 11:33	95-50-1	
1,2-Dichloroethane	<0.42	ug/L	2.5	0.42	2.5		02/26/18 11:33	107-06-2	
1,2-Dichloropropane	<0.58	ug/L	2.5	0.58	2.5		02/26/18 11:33	78-87-5	
1,3,5-Trimethylbenzene	<1.2	ug/L	2.5	1.2	2.5		02/26/18 11:33	108-67-8	
1,3-Dichlorobenzene	<1.2	ug/L	2.5	1.2	2.5		02/26/18 11:33	541-73-1	
1,3-Dichloropropane	<1.2	ug/L	2.5	1.2	2.5		02/26/18 11:33	142-28-9	

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ANALYTICAL RESULTS

Project: TD P3 1ST QTR GW

Pace Project No.: 40165067

Sample: MW-11 **Lab ID: 40165067002** Collected: 02/22/18 11:20 Received: 02/23/18 14:18 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		02/26/18 11:33	106-46-7	
2,2-Dichloropropane	<1.2	ug/L	2.5	1.2	2.5		02/26/18 11:33	594-20-7	
2-Chlorotoluene	<1.2	ug/L	2.5	1.2	2.5		02/26/18 11:33	95-49-8	
4-Chlorotoluene	<0.53	ug/L	2.5	0.53	2.5		02/26/18 11:33	106-43-4	
Benzene	<1.2	ug/L	2.5	1.2	2.5		02/26/18 11:33	71-43-2	
Bromobenzene	<0.58	ug/L	2.5	0.58	2.5		02/26/18 11:33	108-86-1	
Bromochloromethane	<0.85	ug/L	2.5	0.85	2.5		02/26/18 11:33	74-97-5	
Bromodichloromethane	<1.2	ug/L	2.5	1.2	2.5		02/26/18 11:33	75-27-4	
Bromoform	<1.2	ug/L	2.5	1.2	2.5		02/26/18 11:33	75-25-2	
Bromomethane	<6.1	ug/L	12.5	6.1	2.5		02/26/18 11:33	74-83-9	
Carbon tetrachloride	<1.2	ug/L	2.5	1.2	2.5		02/26/18 11:33	56-23-5	
Chlorobenzene	<1.2	ug/L	2.5	1.2	2.5		02/26/18 11:33	108-90-7	
Chloroethane	<0.94	ug/L	2.5	0.94	2.5		02/26/18 11:33	75-00-3	
Chloroform	<6.2	ug/L	12.5	6.2	2.5		02/26/18 11:33	67-66-3	
Chloromethane	<1.2	ug/L	2.5	1.2	2.5		02/26/18 11:33	74-87-3	
Dibromochloromethane	<1.2	ug/L	2.5	1.2	2.5		02/26/18 11:33	124-48-1	
Dibromomethane	<1.1	ug/L	2.5	1.1	2.5		02/26/18 11:33	74-95-3	
Dichlorodifluoromethane	<0.56	ug/L	2.5	0.56	2.5		02/26/18 11:33	75-71-8	
Diisopropyl ether	<1.2	ug/L	2.5	1.2	2.5		02/26/18 11:33	108-20-3	
Ethylbenzene	<1.2	ug/L	2.5	1.2	2.5		02/26/18 11:33	100-41-4	
Hexachloro-1,3-butadiene	<5.3	ug/L	12.5	5.3	2.5		02/26/18 11:33	87-68-3	
Isopropylbenzene (Cumene)	<0.36	ug/L	2.5	0.36	2.5		02/26/18 11:33	98-82-8	
Methyl-tert-butyl ether	<0.44	ug/L	2.5	0.44	2.5		02/26/18 11:33	1634-04-4	
Methylene Chloride	<0.58	ug/L	2.5	0.58	2.5		02/26/18 11:33	75-09-2	
Naphthalene	<6.2	ug/L	12.5	6.2	2.5		02/26/18 11:33	91-20-3	
Styrene	<1.2	ug/L	2.5	1.2	2.5		02/26/18 11:33	100-42-5	
Tetrachloroethene	7.2	ug/L	2.5	1.2	2.5		02/26/18 11:33	127-18-4	
Toluene	<1.2	ug/L	2.5	1.2	2.5		02/26/18 11:33	108-88-3	
Trichloroethene	8.0	ug/L	2.5	0.83	2.5		02/26/18 11:33	79-01-6	
Trichlorofluoromethane	<0.46	ug/L	2.5	0.46	2.5		02/26/18 11:33	75-69-4	
Vinyl chloride	0.95J	ug/L	2.5	0.44	2.5		02/26/18 11:33	75-01-4	
cis-1,2-Dichloroethene	181	ug/L	2.5	0.64	2.5		02/26/18 11:33	156-59-2	
cis-1,3-Dichloropropene	<1.2	ug/L	2.5	1.2	2.5		02/26/18 11:33	10061-01-5	
m&p-Xylene	<2.5	ug/L	5.0	2.5	2.5		02/26/18 11:33	179601-23-1	
n-Butylbenzene	<1.2	ug/L	2.5	1.2	2.5		02/26/18 11:33	104-51-8	
n-Propylbenzene	<1.2	ug/L	2.5	1.2	2.5		02/26/18 11:33	103-65-1	
o-Xylene	<1.2	ug/L	2.5	1.2	2.5		02/26/18 11:33	95-47-6	
p-Isopropyltoluene	<1.2	ug/L	2.5	1.2	2.5		02/26/18 11:33	99-87-6	
sec-Butylbenzene	<5.5	ug/L	12.5	5.5	2.5		02/26/18 11:33	135-98-8	
tert-Butylbenzene	<0.45	ug/L	2.5	0.45	2.5		02/26/18 11:33	98-06-6	
trans-1,2-Dichloroethene	9.6	ug/L	2.5	0.64	2.5		02/26/18 11:33	156-60-5	
trans-1,3-Dichloropropene	<0.57	ug/L	2.5	0.57	2.5		02/26/18 11:33	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	61-130		2.5		02/26/18 11:33	460-00-4	
Dibromofluoromethane (S)	98	%	67-130		2.5		02/26/18 11:33	1868-53-7	
Toluene-d8 (S)	84	%	70-130		2.5		02/26/18 11:33	2037-26-5	

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ANALYTICAL RESULTS

Project: TD P3 1ST QTR GW
Pace Project No.: 40165067

Sample: MW-12 **Lab ID: 40165067003** Collected: 02/22/18 10:30 Received: 02/23/18 14:18 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		02/26/18 11:55	630-20-6	
1,1,1-Trichloroethane	<5.0	ug/L	10.0	5.0	10		02/26/18 11:55	71-55-6	
1,1,2,2-Tetrachloroethane	<2.5	ug/L	10.0	2.5	10		02/26/18 11:55	79-34-5	
1,1,2-Trichloroethane	<2.0	ug/L	10.0	2.0	10		02/26/18 11:55	79-00-5	
1,1-Dichloroethane	<2.4	ug/L	10.0	2.4	10		02/26/18 11:55	75-34-3	
1,1-Dichloroethene	<4.1	ug/L	10.0	4.1	10		02/26/18 11:55	75-35-4	
1,1-Dichloropropene	<4.4	ug/L	10.0	4.4	10		02/26/18 11:55	563-58-6	
1,2,3-Trichlorobenzene	<21.3	ug/L	50.0	21.3	10		02/26/18 11:55	87-61-6	
1,2,3-Trichloropropane	<5.0	ug/L	10.0	5.0	10		02/26/18 11:55	96-18-4	
1,2,4-Trichlorobenzene	<22.1	ug/L	50.0	22.1	10		02/26/18 11:55	120-82-1	
1,2,4-Trimethylbenzene	<5.0	ug/L	10.0	5.0	10		02/26/18 11:55	95-63-6	
1,2-Dibromo-3-chloropropane	<21.6	ug/L	50.0	21.6	10		02/26/18 11:55	96-12-8	
1,2-Dibromoethane (EDB)	<1.8	ug/L	10.0	1.8	10		02/26/18 11:55	106-93-4	
1,2-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		02/26/18 11:55	95-50-1	
1,2-Dichloroethane	<1.7	ug/L	10.0	1.7	10		02/26/18 11:55	107-06-2	
1,2-Dichloropropane	<2.3	ug/L	10.0	2.3	10		02/26/18 11:55	78-87-5	
1,3,5-Trimethylbenzene	<5.0	ug/L	10.0	5.0	10		02/26/18 11:55	108-67-8	
1,3-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		02/26/18 11:55	541-73-1	
1,3-Dichloropropane	<5.0	ug/L	10.0	5.0	10		02/26/18 11:55	142-28-9	
1,4-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		02/26/18 11:55	106-46-7	
2,2-Dichloropropane	<4.8	ug/L	10.0	4.8	10		02/26/18 11:55	594-20-7	
2-Chlorotoluene	<5.0	ug/L	10.0	5.0	10		02/26/18 11:55	95-49-8	
4-Chlorotoluene	<2.1	ug/L	10.0	2.1	10		02/26/18 11:55	106-43-4	
Benzene	<5.0	ug/L	10.0	5.0	10		02/26/18 11:55	71-43-2	
Bromobenzene	<2.3	ug/L	10.0	2.3	10		02/26/18 11:55	108-86-1	
Bromochloromethane	<3.4	ug/L	10.0	3.4	10		02/26/18 11:55	74-97-5	
Bromodichloromethane	<5.0	ug/L	10.0	5.0	10		02/26/18 11:55	75-27-4	
Bromoform	<5.0	ug/L	10.0	5.0	10		02/26/18 11:55	75-25-2	
Bromomethane	<24.3	ug/L	50.0	24.3	10		02/26/18 11:55	74-83-9	
Carbon tetrachloride	<5.0	ug/L	10.0	5.0	10		02/26/18 11:55	56-23-5	
Chlorobenzene	<5.0	ug/L	10.0	5.0	10		02/26/18 11:55	108-90-7	
Chloroethane	<3.7	ug/L	10.0	3.7	10		02/26/18 11:55	75-00-3	
Chloroform	<25.0	ug/L	50.0	25.0	10		02/26/18 11:55	67-66-3	
Chloromethane	<5.0	ug/L	10.0	5.0	10		02/26/18 11:55	74-87-3	
Dibromochloromethane	<5.0	ug/L	10.0	5.0	10		02/26/18 11:55	124-48-1	
Dibromomethane	<4.3	ug/L	10.0	4.3	10		02/26/18 11:55	74-95-3	
Dichlorodifluoromethane	<2.2	ug/L	10.0	2.2	10		02/26/18 11:55	75-71-8	
Diisopropyl ether	<5.0	ug/L	10.0	5.0	10		02/26/18 11:55	108-20-3	
Ethylbenzene	<5.0	ug/L	10.0	5.0	10		02/26/18 11:55	100-41-4	
Hexachloro-1,3-butadiene	<21.1	ug/L	50.0	21.1	10		02/26/18 11:55	87-68-3	
Isopropylbenzene (Cumene)	<1.4	ug/L	10.0	1.4	10		02/26/18 11:55	98-82-8	
Methyl-tert-butyl ether	<1.7	ug/L	10.0	1.7	10		02/26/18 11:55	1634-04-4	
Methylene Chloride	<2.3	ug/L	10.0	2.3	10		02/26/18 11:55	75-09-2	
Naphthalene	<25.0	ug/L	50.0	25.0	10		02/26/18 11:55	91-20-3	
Styrene	<5.0	ug/L	10.0	5.0	10		02/26/18 11:55	100-42-5	
Tetrachloroethene	<5.0	ug/L	10.0	5.0	10		02/26/18 11:55	127-18-4	

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ANALYTICAL RESULTS

Project: TD P3 1ST QTR GW

Pace Project No.: 40165067

Sample: MW-12 **Lab ID: 40165067003** Collected: 02/22/18 10:30 Received: 02/23/18 14:18 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		02/26/18 11:55	108-88-3	
Trichloroethene	<3.3	ug/L	10.0	3.3	10		02/26/18 11:55	79-01-6	
Trichlorofluoromethane	<1.8	ug/L	10.0	1.8	10		02/26/18 11:55	75-69-4	
Vinyl chloride	<1.8	ug/L	10.0	1.8	10		02/26/18 11:55	75-01-4	
cis-1,2-Dichloroethene	<2.6	ug/L	10.0	2.6	10		02/26/18 11:55	156-59-2	
cis-1,3-Dichloropropene	<5.0	ug/L	10.0	5.0	10		02/26/18 11:55	10061-01-5	
m&p-Xylene	<10.0	ug/L	20.0	10.0	10		02/26/18 11:55	179601-23-1	
n-Butylbenzene	<5.0	ug/L	10.0	5.0	10		02/26/18 11:55	104-51-8	
n-Propylbenzene	<5.0	ug/L	10.0	5.0	10		02/26/18 11:55	103-65-1	
o-Xylene	<5.0	ug/L	10.0	5.0	10		02/26/18 11:55	95-47-6	
p-Isopropyltoluene	<5.0	ug/L	10.0	5.0	10		02/26/18 11:55	99-87-6	
sec-Butylbenzene	<21.9	ug/L	50.0	21.9	10		02/26/18 11:55	135-98-8	
tert-Butylbenzene	<1.8	ug/L	10.0	1.8	10		02/26/18 11:55	98-06-6	
trans-1,2-Dichloroethene	<2.6	ug/L	10.0	2.6	10		02/26/18 11:55	156-60-5	
trans-1,3-Dichloropropene	<2.3	ug/L	10.0	2.3	10		02/26/18 11:55	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	61-130		10		02/26/18 11:55	460-00-4	D3
Dibromofluoromethane (S)	97	%	67-130		10		02/26/18 11:55	1868-53-7	
Toluene-d8 (S)	85	%	70-130		10		02/26/18 11:55	2037-26-5	

Sample: MW-13 **Lab ID: 40165067004** Collected: 02/22/18 10:35 Received: 02/23/18 14:18 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		02/26/18 12:40	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		02/26/18 12:40	71-55-6	
1,1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		02/26/18 12:40	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		02/26/18 12:40	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		02/26/18 12:40	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		02/26/18 12:40	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		02/26/18 12:40	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		02/26/18 12:40	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		02/26/18 12:40	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		02/26/18 12:40	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		02/26/18 12:40	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		02/26/18 12:40	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		02/26/18 12:40	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		02/26/18 12:40	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		02/26/18 12:40	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		02/26/18 12:40	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		02/26/18 12:40	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		02/26/18 12:40	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		02/26/18 12:40	142-28-9	

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ANALYTICAL RESULTS

Project: TD P3 1ST QTR GW

Pace Project No.: 40165067

Sample: MW-13 **Lab ID: 40165067004** Collected: 02/22/18 10:35 Received: 02/23/18 14:18 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		02/26/18 12:40	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		02/26/18 12:40	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		02/26/18 12:40	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		02/26/18 12:40	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		02/26/18 12:40	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		02/26/18 12:40	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		02/26/18 12:40	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		02/26/18 12:40	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		02/26/18 12:40	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		02/26/18 12:40	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		02/26/18 12:40	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		02/26/18 12:40	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		02/26/18 12:40	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		02/26/18 12:40	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		02/26/18 12:40	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		02/26/18 12:40	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		02/26/18 12:40	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		02/26/18 12:40	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		02/26/18 12:40	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		02/26/18 12:40	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		02/26/18 12:40	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		02/26/18 12:40	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		02/26/18 12:40	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		02/26/18 12:40	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		02/26/18 12:40	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		02/26/18 12:40	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		02/26/18 12:40	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		02/26/18 12:40	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		02/26/18 12:40	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		02/26/18 12:40	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		02/26/18 12:40	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		02/26/18 12:40	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		02/26/18 12:40	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		02/26/18 12:40	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		02/26/18 12:40	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		02/26/18 12:40	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		02/26/18 12:40	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		02/26/18 12:40	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		02/26/18 12:40	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		02/26/18 12:40	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		02/26/18 12:40	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		02/26/18 12:40	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	61-130		1		02/26/18 12:40	460-00-4	
Dibromofluoromethane (S)	97	%	67-130		1		02/26/18 12:40	1868-53-7	
Toluene-d8 (S)	85	%	70-130		1		02/26/18 12:40	2037-26-5	

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ANALYTICAL RESULTS

Project: TD P3 1ST QTR GW

Pace Project No.: 40165067

Sample: MW-16 **Lab ID: 40165067005** Collected: 02/22/18 10:55 Received: 02/23/18 14:18 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		02/26/18 11:10	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		02/26/18 11:10	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		02/26/18 11:10	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		02/26/18 11:10	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		02/26/18 11:10	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		02/26/18 11:10	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		02/26/18 11:10	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		02/26/18 11:10	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		02/26/18 11:10	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		02/26/18 11:10	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		02/26/18 11:10	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		02/26/18 11:10	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		02/26/18 11:10	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		02/26/18 11:10	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		02/26/18 11:10	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		02/26/18 11:10	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		02/26/18 11:10	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		02/26/18 11:10	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		02/26/18 11:10	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		02/26/18 11:10	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		02/26/18 11:10	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		02/26/18 11:10	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		02/26/18 11:10	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		02/26/18 11:10	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		02/26/18 11:10	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		02/26/18 11:10	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		02/26/18 11:10	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		02/26/18 11:10	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		02/26/18 11:10	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		02/26/18 11:10	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		02/26/18 11:10	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		02/26/18 11:10	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		02/26/18 11:10	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		02/26/18 11:10	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		02/26/18 11:10	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		02/26/18 11:10	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		02/26/18 11:10	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		02/26/18 11:10	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		02/26/18 11:10	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		02/26/18 11:10	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		02/26/18 11:10	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		02/26/18 11:10	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		02/26/18 11:10	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		02/26/18 11:10	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		02/26/18 11:10	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		02/26/18 11:10	127-18-4	

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ANALYTICAL RESULTS

Project: TD P3 1ST QTR GW

Pace Project No.: 40165067

Sample: MW-16 **Lab ID: 40165067005** Collected: 02/22/18 10:55 Received: 02/23/18 14:18 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		02/26/18 11:10	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		02/26/18 11:10	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		02/26/18 11:10	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		02/26/18 11:10	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		02/26/18 11:10	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		02/26/18 11:10	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		02/26/18 11:10	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		02/26/18 11:10	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		02/26/18 11:10	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		02/26/18 11:10	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		02/26/18 11:10	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		02/26/18 11:10	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		02/26/18 11:10	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		02/26/18 11:10	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		02/26/18 11:10	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	61-130		1		02/26/18 11:10	460-00-4	
Dibromofluoromethane (S)	97	%	67-130		1		02/26/18 11:10	1868-53-7	
Toluene-d8 (S)	85	%	70-130		1		02/26/18 11:10	2037-26-5	

Sample: MW-19 **Lab ID: 40165067006** Collected: 02/22/18 11:10 Received: 02/23/18 14:18 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		02/26/18 13:02	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		02/26/18 13:02	71-55-6	
1,1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		02/26/18 13:02	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		02/26/18 13:02	79-00-5	
1,1-Dichloroethane	0.40J	ug/L	1.0	0.24	1		02/26/18 13:02	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		02/26/18 13:02	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		02/26/18 13:02	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		02/26/18 13:02	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		02/26/18 13:02	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		02/26/18 13:02	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		02/26/18 13:02	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		02/26/18 13:02	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		02/26/18 13:02	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		02/26/18 13:02	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		02/26/18 13:02	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		02/26/18 13:02	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		02/26/18 13:02	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		02/26/18 13:02	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		02/26/18 13:02	142-28-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TD P3 1ST QTR GW

Pace Project No.: 40165067

Sample: MW-19 **Lab ID: 40165067006** Collected: 02/22/18 11:10 Received: 02/23/18 14:18 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		02/26/18 13:02	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		02/26/18 13:02	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		02/26/18 13:02	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		02/26/18 13:02	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		02/26/18 13:02	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		02/26/18 13:02	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		02/26/18 13:02	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		02/26/18 13:02	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		02/26/18 13:02	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		02/26/18 13:02	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		02/26/18 13:02	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		02/26/18 13:02	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		02/26/18 13:02	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		02/26/18 13:02	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		02/26/18 13:02	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		02/26/18 13:02	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		02/26/18 13:02	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		02/26/18 13:02	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		02/26/18 13:02	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		02/26/18 13:02	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		02/26/18 13:02	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		02/26/18 13:02	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		02/26/18 13:02	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		02/26/18 13:02	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		02/26/18 13:02	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		02/26/18 13:02	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		02/26/18 13:02	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		02/26/18 13:02	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		02/26/18 13:02	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		02/26/18 13:02	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		02/26/18 13:02	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		02/26/18 13:02	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		02/26/18 13:02	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		02/26/18 13:02	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		02/26/18 13:02	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		02/26/18 13:02	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		02/26/18 13:02	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		02/26/18 13:02	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		02/26/18 13:02	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		02/26/18 13:02	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		02/26/18 13:02	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		02/26/18 13:02	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	61-130		1		02/26/18 13:02	460-00-4	
Dibromofluoromethane (S)	98	%	67-130		1		02/26/18 13:02	1868-53-7	
Toluene-d8 (S)	84	%	70-130		1		02/26/18 13:02	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TD P3 1ST QTR GW

Pace Project No.: 40165067

QC Batch: 281830 Analysis Method: EPA 8260
 QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
 Associated Lab Samples: 40165067001, 40165067002, 40165067003, 40165067004, 40165067005, 40165067006

METHOD BLANK: 1651996 Matrix: Water
 Associated Lab Samples: 40165067001, 40165067002, 40165067003, 40165067004, 40165067005, 40165067006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	02/26/18 09:18	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	02/26/18 09:18	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	02/26/18 09:18	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	02/26/18 09:18	
1,1-Dichloroethane	ug/L	<0.24	1.0	02/26/18 09:18	
1,1-Dichloroethene	ug/L	<0.41	1.0	02/26/18 09:18	
1,1-Dichloropropene	ug/L	<0.44	1.0	02/26/18 09:18	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	02/26/18 09:18	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	02/26/18 09:18	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	02/26/18 09:18	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	02/26/18 09:18	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	02/26/18 09:18	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	02/26/18 09:18	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	02/26/18 09:18	
1,2-Dichloroethane	ug/L	<0.17	1.0	02/26/18 09:18	
1,2-Dichloropropane	ug/L	<0.23	1.0	02/26/18 09:18	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	02/26/18 09:18	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	02/26/18 09:18	
1,3-Dichloropropane	ug/L	<0.50	1.0	02/26/18 09:18	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	02/26/18 09:18	
2,2-Dichloropropane	ug/L	<0.48	1.0	02/26/18 09:18	
2-Chlorotoluene	ug/L	<0.50	1.0	02/26/18 09:18	
4-Chlorotoluene	ug/L	<0.21	1.0	02/26/18 09:18	
Benzene	ug/L	<0.50	1.0	02/26/18 09:18	
Bromobenzene	ug/L	<0.23	1.0	02/26/18 09:18	
Bromochloromethane	ug/L	<0.34	1.0	02/26/18 09:18	
Bromodichloromethane	ug/L	<0.50	1.0	02/26/18 09:18	
Bromoform	ug/L	<0.50	1.0	02/26/18 09:18	
Bromomethane	ug/L	<2.4	5.0	02/26/18 09:18	
Carbon tetrachloride	ug/L	<0.50	1.0	02/26/18 09:18	
Chlorobenzene	ug/L	<0.50	1.0	02/26/18 09:18	
Chloroethane	ug/L	<0.37	1.0	02/26/18 09:18	
Chloroform	ug/L	<2.5	5.0	02/26/18 09:18	
Chloromethane	ug/L	<0.50	1.0	02/26/18 09:18	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	02/26/18 09:18	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	02/26/18 09:18	
Dibromochloromethane	ug/L	<0.50	1.0	02/26/18 09:18	
Dibromomethane	ug/L	<0.43	1.0	02/26/18 09:18	
Dichlorodifluoromethane	ug/L	<0.22	1.0	02/26/18 09:18	
Diisopropyl ether	ug/L	<0.50	1.0	02/26/18 09:18	
Ethylbenzene	ug/L	<0.50	1.0	02/26/18 09:18	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TD P3 1ST QTR GW

Pace Project No.: 40165067

METHOD BLANK: 1651996

Matrix: Water

Associated Lab Samples: 40165067001, 40165067002, 40165067003, 40165067004, 40165067005, 40165067006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	02/26/18 09:18	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	02/26/18 09:18	
m&p-Xylene	ug/L	<1.0	2.0	02/26/18 09:18	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	02/26/18 09:18	
Methylene Chloride	ug/L	<0.23	1.0	02/26/18 09:18	
n-Butylbenzene	ug/L	<0.50	1.0	02/26/18 09:18	
n-Propylbenzene	ug/L	<0.50	1.0	02/26/18 09:18	
Naphthalene	ug/L	<2.5	5.0	02/26/18 09:18	
o-Xylene	ug/L	<0.50	1.0	02/26/18 09:18	
p-Isopropyltoluene	ug/L	<0.50	1.0	02/26/18 09:18	
sec-Butylbenzene	ug/L	<2.2	5.0	02/26/18 09:18	
Styrene	ug/L	<0.50	1.0	02/26/18 09:18	
tert-Butylbenzene	ug/L	<0.18	1.0	02/26/18 09:18	
Tetrachloroethene	ug/L	<0.50	1.0	02/26/18 09:18	
Toluene	ug/L	<0.50	1.0	02/26/18 09:18	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	02/26/18 09:18	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	02/26/18 09:18	
Trichloroethene	ug/L	<0.33	1.0	02/26/18 09:18	
Trichlorofluoromethane	ug/L	<0.18	1.0	02/26/18 09:18	
Vinyl chloride	ug/L	<0.18	1.0	02/26/18 09:18	
4-Bromofluorobenzene (S)	%	95	61-130	02/26/18 09:18	
Dibromofluoromethane (S)	%	96	67-130	02/26/18 09:18	
Toluene-d8 (S)	%	85	70-130	02/26/18 09:18	

LABORATORY CONTROL SAMPLE: 1651997

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	54.6	109	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	42.9	86	70-130	
1,1,2-Trichloroethane	ug/L	50	54.6	109	70-130	
1,1-Dichloroethane	ug/L	50	53.8	108	71-132	
1,1-Dichloroethene	ug/L	50	56.1	112	75-130	
1,2,4-Trichlorobenzene	ug/L	50	50.6	101	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	37.6	75	63-123	
1,2-Dibromoethane (EDB)	ug/L	50	53.2	106	70-130	
1,2-Dichlorobenzene	ug/L	50	50.7	101	70-130	
1,2-Dichloroethane	ug/L	50	49.3	99	70-131	
1,2-Dichloropropane	ug/L	50	58.1	116	80-120	
1,3-Dichlorobenzene	ug/L	50	49.6	99	70-130	
1,4-Dichlorobenzene	ug/L	50	49.9	100	70-130	
Benzene	ug/L	50	54.2	108	73-145	
Bromodichloromethane	ug/L	50	56.8	114	70-130	
Bromoform	ug/L	50	59.4	119	67-130	
Bromomethane	ug/L	50	34.7	69	26-128	

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QUALITY CONTROL DATA

Project: TD P3 1ST QTR GW
Pace Project No.: 40165067

LABORATORY CONTROL SAMPLE: 1651997

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	58.2	116	70-133	
Chlorobenzene	ug/L	50	58.5	117	70-130	
Chloroethane	ug/L	50	53.4	107	58-120	
Chloroform	ug/L	50	52.6	105	80-121	
Chloromethane	ug/L	50	38.5	77	40-127	
cis-1,2-Dichloroethene	ug/L	50	52.5	105	70-130	
cis-1,3-Dichloropropene	ug/L	50	56.1	112	70-130	
Dibromochloromethane	ug/L	50	55.6	111	70-130	
Dichlorodifluoromethane	ug/L	50	47.4	95	20-135	
Ethylbenzene	ug/L	50	58.0	116	87-129	
Isopropylbenzene (Cumene)	ug/L	50	54.5	109	70-130	
m&p-Xylene	ug/L	100	125	125	70-130	
Methyl-tert-butyl ether	ug/L	50	48.1	96	66-143	
Methylene Chloride	ug/L	50	52.2	104	70-130	
o-Xylene	ug/L	50	59.3	119	70-130	
Styrene	ug/L	50	53.0	106	70-130	
Tetrachloroethene	ug/L	50	64.9	130	70-130	
Toluene	ug/L	50	56.2	112	82-130	
trans-1,2-Dichloroethene	ug/L	50	55.2	110	75-132	
trans-1,3-Dichloropropene	ug/L	50	54.8	110	70-130	
Trichloroethene	ug/L	50	62.6	125	70-130	
Trichlorofluoromethane	ug/L	50	57.0	114	76-133	
Vinyl chloride	ug/L	50	50.4	101	57-136	
4-Bromofluorobenzene (S)	%			106	61-130	
Dibromofluoromethane (S)	%			97	67-130	
Toluene-d8 (S)	%			85	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1652071 1652072

Parameter	Units	40165067005		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	52.5	53.6	105	107	70-134	2	20			
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	42.4	43.5	85	87	70-130	3	20			
1,1,2-Trichloroethane	ug/L	<0.20	50	50	51.4	54.0	103	108	70-130	5	20			
1,1-Dichloroethane	ug/L	<0.24	50	50	51.2	53.1	102	106	71-133	4	20			
1,1-Dichloroethene	ug/L	<0.41	50	50	53.3	55.2	107	110	75-136	3	20			
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	49.7	51.4	99	102	70-130	3	20			
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	38.5	40.4	77	81	63-123	5	20			
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	52.1	54.3	104	109	70-130	4	20			
1,2-Dichlorobenzene	ug/L	<0.50	50	50	48.1	49.5	96	99	70-130	3	20			
1,2-Dichloroethane	ug/L	<0.17	50	50	46.5	47.5	93	95	70-131	2	20			
1,2-Dichloropropane	ug/L	<0.23	50	50	54.9	57.3	110	115	80-120	4	20			
1,3-Dichlorobenzene	ug/L	<0.50	50	50	48.1	49.4	96	99	70-130	3	20			
1,4-Dichlorobenzene	ug/L	<0.50	50	50	48.0	49.6	96	99	70-130	3	20			

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QUALITY CONTROL DATA

Project: TD P3 1ST QTR GW

Pace Project No.: 40165067

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1652071		1652072		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		40165067005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Benzene	ug/L	<0.50	50	50	51.5	53.0	103	106	73-145	3	20		
Bromodichloromethane	ug/L	<0.50	50	50	55.2	56.2	110	112	70-130	2	20		
Bromoform	ug/L	<0.50	50	50	56.3	58.8	113	118	67-130	4	20		
Bromomethane	ug/L	<2.4	50	50	36.6	39.9	73	80	26-129	9	20		
Carbon tetrachloride	ug/L	<0.50	50	50	55.7	57.2	111	114	70-134	3	20		
Chlorobenzene	ug/L	<0.50	50	50	55.5	57.5	111	115	70-130	4	20		
Chloroethane	ug/L	<0.37	50	50	51.7	54.0	103	108	58-120	4	20		
Chloroform	ug/L	<2.5	50	50	50.1	51.4	100	103	80-121	3	20		
Chloromethane	ug/L	<0.50	50	50	36.1	37.5	72	75	40-128	4	20		
cis-1,2-Dichloroethene	ug/L	<0.26	50	50	49.9	51.1	100	102	70-130	2	20		
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	53.7	55.3	107	111	70-130	3	20		
Dibromochloromethane	ug/L	<0.50	50	50	52.4	54.9	105	110	70-130	5	20		
Dichlorodifluoromethane	ug/L	<0.22	50	50	43.5	45.1	87	90	20-146	4	20		
Ethylbenzene	ug/L	<0.50	50	50	55.3	57.3	111	115	87-129	3	20		
Isopropylbenzene (Cumene)	ug/L	<0.14	50	50	52.0	53.9	104	108	70-130	4	20		
m&p-Xylene	ug/L	<1.0	100	100	119	123	119	123	70-130	4	20		
Methyl-tert-butyl ether	ug/L	<0.17	50	50	46.2	47.8	92	96	66-143	4	20		
Methylene Chloride	ug/L	<0.23	50	50	49.1	50.6	98	101	70-130	3	20		
o-Xylene	ug/L	<0.50	50	50	56.6	58.7	113	117	70-130	4	20		
Styrene	ug/L	<0.50	50	50	50.8	52.6	102	105	70-130	4	20		
Tetrachloroethene	ug/L	<0.50	50	50	62.4	64.4	125	129	70-130	3	20		
Toluene	ug/L	<0.50	50	50	53.6	55.6	107	111	82-131	4	20		
trans-1,2-Dichloroethene	ug/L	<0.26	50	50	52.6	54.3	105	109	75-135	3	20		
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	53.2	55.3	106	111	70-130	4	20		
Trichloroethene	ug/L	<0.33	50	50	59.6	61.7	119	123	70-130	3	20		
Trichlorofluoromethane	ug/L	<0.18	50	50	54.3	55.9	109	112	76-150	3	20		
Vinyl chloride	ug/L	<0.18	50	50	47.8	49.1	96	98	56-143	3	20		
4-Bromofluorobenzene (S)	%						105	106	61-130				
Dibromofluoromethane (S)	%						96	95	67-130				
Toluene-d8 (S)	%						85	85	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 1ST QTR GW

Pace Project No.: 40165067

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.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: TD P3 1ST QTR GW

Pace Project No.: 40165067

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40165067001	MW-402 N	EPA 8260	281830		
40165067002	MW-11	EPA 8260	281830		
40165067003	MW-12	EPA 8260	281830		
40165067004	MW-13	EPA 8260	281830		
40165067005	MW-16	EPA 8260	281830		
40165067006	MW-19	EPA 8260	281830		

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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.

40165067

Section A Required Client Information: Company: Environmental Audits Inc. Address: 11327 W Lincoln Avenue West Allis WI 53051 Email To: john@environmentalaudits.net Phone: 414-226-5563 Requested Due Date/TAT:		Section B Required Project Information: Report To: jruezt@yahoo.com Copy To: eeerij@wi.rr.com; john@environmentalaudits.net Purchase Order No.: Verbal Project Name: TD P3 1st Qtr GW Project Number:		Section C Invoice Information: Attention: John Ruetz Company Name: Environmental Audits Inc. Address: 11327 W Lincoln Avenue Pace Quote Reference: Pace Project Manager: Pace Profile #	
--	--	--	--	--	--

REGULATORY AGENCY <input type="checkbox"/> NPDES <input checked="" type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER	Site Location STATE: WI	Requested Analysis Filtered (Y/N)
--	----------------------------	-----------------------------------

ITEM #	Section D Required Client Information	Valid Matrix Codes MATERIAL CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOIL/SOLID SL OIL OL AIR WP WIFE WFP AIR OT OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.		
					DATE	TIME			DATE	TIME	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH					Na ₂ S ₂ O ₃	Methanol
1	MMV - 402 N							3													
2	MMV-11							3	X												
3	MMV - 12							3	X												
4	MMV - 13							3	X												
5	MMV - 16							3	X												
6	MMV - 19							3	X												

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME		SAMPLE CONDITIONS							
		Stephanie Wagner		2/22/18		1418		D. Pace		2/23/18		1111		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)				
		<i>[Signature]</i>		2/23/18		1418		<i>[Signature]</i>		2/23/18		1418		Y	Y	N	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.

F-ALL-Q-020rev.08. 12-Oct-2007

Client Name: Environmental Audit Project # 40165067

Sample Preservation Receipt Form

All containers needing preservation have been checked and noted below: Yes No N/A Lab Sld #ID of preservation (if pH adjusted):

Initial when completed:

Date/Time:

Pace Lab #	Glass	Plastic	Vials	Jars	General	VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
001												2.5 / 5 / 10
002												2.5 / 5 / 10
003												2.5 / 5 / 10
004												2.5 / 5 / 10
005												2.5 / 5 / 10
006												2.5 / 5 / 10
007												2.5 / 5 / 10
008												2.5 / 5 / 10
009												2.5 / 5 / 10
010												2.5 / 5 / 10
011												2.5 / 5 / 10
012												2.5 / 5 / 10
013												2.5 / 5 / 10
014												2.5 / 5 / 10
015												2.5 / 5 / 10
016												2.5 / 5 / 10
017												2.5 / 5 / 10
018												2.5 / 5 / 10
019												2.5 / 5 / 10
020												2.5 / 5 / 10

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

AG1U 1 liter amber glass	BP1U 1 liter plastic unpres	DG9A 40 ml amber ascorbic	JGFU 4 oz amber jar unpres
AG1H 1 liter amber glass HCL	BP2N 500 ml plastic HNO3	DG9T 40 ml clear vial unpres	WGFU 4 oz clear jar unpres
AG4S 125 ml amber glass H2SO4	BP2Z 500 ml plastic NaOH, Znact	VG9U 40 ml clear vial HCL	WPFU 4 oz plastic jar unpres
AG4U 120 ml amber glass unpres	BP3U 250 ml plastic unpres	VG9H 40 ml clear vial HCL	
AG5U 100 ml amber glass unpres	BP3C 250 ml plastic NaOH	VG9M 40 ml clear vial MeOH	SP5T 120 ml plastic Na Thiosulfate
AG2S 500 ml amber glass H2SO4	BP3N 250 ml plastic HNO3	VG9D 40 ml clear vial DI	ZPLC ziploc bag
BG3U 250 ml clear glass unpres	BP3S 250 ml plastic H2SO4		GN:



Document Name:
Sample Condition Upon Receipt (SCUR)
 Document No.:
F-GB-C-031-rev.06

Document Revised: 31Jan2018
 Issuing Authority:
 Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Client Name: Environmental Audits

Project #:

WO#: 40165067



40165067

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

Tracking #: _____

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

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

Packing Material: Bubble Wrap Bubble Bags None Other _____

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

Cooler Temperature Uncorr: ROI Corr: _____

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

Person examining contents:

Date: 2-23-18
 Initials: SW

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

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A MS/MSD <input type="checkbox"/> Yes <input checked="" 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.
-Includes date/time/ID/Analysis Matrix: <u>W</u>		<u>All ID's have TO before them on samples. 001 - No N in ID</u> <u>002 - ID is TO P3 MW11</u> <u>003 time is 1130, 004 time 2-23-18</u> <u>1045 SW</u>
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" 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: Client returned 15-40ml NB empty. 2-23-18
SW

003 will be placed in free product due to matrix kt 2/23/18

Project Manager Review: As for DM

Date: 2/23/18

December 28, 2017

John Ruetz
Environmental Audits Inc
11327 W Lincoln Ave
West Allis, WI 53227

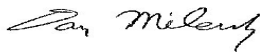
RE: Project: TD P3 4TH QTR GW
Pace Project No.: 40162776

Dear John Ruetz:

Enclosed are the analytical results for sample(s) received by the laboratory on December 21, 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: Ed Raymond, Environmental Audits, Inc
Stephanie Wagner, Environmental Audits, Inc.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: TD P3 4TH QTR GW

Pace Project No.: 40162776

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

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SAMPLE SUMMARY

Project: TD P3 4TH QTR GW

Pace Project No.: 40162776

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40162776001	MW-15	Water	12/19/17 00:00	12/21/17 08:55
40162776002	MW-24	Water	12/19/17 00:00	12/21/17 08:55

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SAMPLE ANALYTE COUNT

Project: TD P3 4TH QTR GW

Pace Project No.: 40162776

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40162776001	MW-15	EPA 8260	LAP	64
40162776002	MW-24	EPA 8260	LAP	64

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TD P3 4TH QTR GW

Pace Project No.: 40162776

Sample: MW-15 **Lab ID: 40162776001** Collected: 12/19/17 00:00 Received: 12/21/17 08:55 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		12/27/17 18:08	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/27/17 18:08	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		12/27/17 18:08	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		12/27/17 18:08	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/27/17 18:08	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/27/17 18:08	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		12/27/17 18:08	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		12/27/17 18:08	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		12/27/17 18:08	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		12/27/17 18:08	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		12/27/17 18:08	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		12/27/17 18:08	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		12/27/17 18:08	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		12/27/17 18:08	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		12/27/17 18:08	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		12/27/17 18:08	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		12/27/17 18:08	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		12/27/17 18:08	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		12/27/17 18:08	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		12/27/17 18:08	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		12/27/17 18:08	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		12/27/17 18:08	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		12/27/17 18:08	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		12/27/17 18:08	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		12/27/17 18:08	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		12/27/17 18:08	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		12/27/17 18:08	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		12/27/17 18:08	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		12/27/17 18:08	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		12/27/17 18:08	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		12/27/17 18:08	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		12/27/17 18:08	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		12/27/17 18:08	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		12/27/17 18:08	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		12/27/17 18:08	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		12/27/17 18:08	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		12/27/17 18:08	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		12/27/17 18:08	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		12/27/17 18:08	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		12/27/17 18:08	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		12/27/17 18:08	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		12/27/17 18:08	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		12/27/17 18:08	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		12/27/17 18:08	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		12/27/17 18:08	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/27/17 18:08	127-18-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TD P3 4TH QTR GW

Pace Project No.: 40162776

Sample: MW-15 **Lab ID: 40162776001** Collected: 12/19/17 00:00 Received: 12/21/17 08:55 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		12/27/17 18:08	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/27/17 18:08	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		12/27/17 18:08	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		12/27/17 18:08	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		12/27/17 18:08	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		12/27/17 18:08	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		12/27/17 18:08	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		12/27/17 18:08	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		12/27/17 18:08	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		12/27/17 18:08	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		12/27/17 18:08	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		12/27/17 18:08	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		12/27/17 18:08	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		12/27/17 18:08	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		12/27/17 18:08	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	61-130		1		12/27/17 18:08	460-00-4	
Dibromofluoromethane (S)	91	%	67-130		1		12/27/17 18:08	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		12/27/17 18:08	2037-26-5	

Sample: MW-24 **Lab ID: 40162776002** Collected: 12/19/17 00:00 Received: 12/21/17 08:55 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		12/27/17 19:16	630-20-6	
1,1,1-Trichloroethane	39.6	ug/L	4.0	2.0	4		12/27/17 19:16	71-55-6	
1,1,1,2,2-Tetrachloroethane	<1.0	ug/L	4.0	1.0	4		12/27/17 19:16	79-34-5	
1,1,2-Trichloroethane	<0.79	ug/L	4.0	0.79	4		12/27/17 19:16	79-00-5	
1,1-Dichloroethane	325	ug/L	4.0	0.97	4		12/27/17 19:16	75-34-3	
1,1-Dichloroethene	2.2J	ug/L	4.0	1.6	4		12/27/17 19:16	75-35-4	
1,1-Dichloropropene	<1.8	ug/L	4.0	1.8	4		12/27/17 19:16	563-58-6	
1,2,3-Trichlorobenzene	<8.5	ug/L	20.0	8.5	4		12/27/17 19:16	87-61-6	
1,2,3-Trichloropropane	<2.0	ug/L	4.0	2.0	4		12/27/17 19:16	96-18-4	
1,2,4-Trichlorobenzene	<8.8	ug/L	20.0	8.8	4		12/27/17 19:16	120-82-1	
1,2,4-Trimethylbenzene	<2.0	ug/L	4.0	2.0	4		12/27/17 19:16	95-63-6	
1,2-Dibromo-3-chloropropane	<8.7	ug/L	20.0	8.7	4		12/27/17 19:16	96-12-8	
1,2-Dibromoethane (EDB)	<0.71	ug/L	4.0	0.71	4		12/27/17 19:16	106-93-4	
1,2-Dichlorobenzene	<2.0	ug/L	4.0	2.0	4		12/27/17 19:16	95-50-1	
1,2-Dichloroethane	<0.67	ug/L	4.0	0.67	4		12/27/17 19:16	107-06-2	
1,2-Dichloropropane	<0.93	ug/L	4.0	0.93	4		12/27/17 19:16	78-87-5	
1,3,5-Trimethylbenzene	<2.0	ug/L	4.0	2.0	4		12/27/17 19:16	108-67-8	
1,3-Dichlorobenzene	<2.0	ug/L	4.0	2.0	4		12/27/17 19:16	541-73-1	
1,3-Dichloropropane	<2.0	ug/L	4.0	2.0	4		12/27/17 19:16	142-28-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TD P3 4TH QTR GW

Pace Project No.: 40162776

Sample: MW-24 **Lab ID: 40162776002** Collected: 12/19/17 00:00 Received: 12/21/17 08:55 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		12/27/17 19:16	106-46-7	
2,2-Dichloropropane	<1.9	ug/L	4.0	1.9	4		12/27/17 19:16	594-20-7	
2-Chlorotoluene	<2.0	ug/L	4.0	2.0	4		12/27/17 19:16	95-49-8	
4-Chlorotoluene	<0.85	ug/L	4.0	0.85	4		12/27/17 19:16	106-43-4	
Benzene	<2.0	ug/L	4.0	2.0	4		12/27/17 19:16	71-43-2	
Bromobenzene	<0.92	ug/L	4.0	0.92	4		12/27/17 19:16	108-86-1	
Bromochloromethane	<1.4	ug/L	4.0	1.4	4		12/27/17 19:16	74-97-5	
Bromodichloromethane	<2.0	ug/L	4.0	2.0	4		12/27/17 19:16	75-27-4	
Bromoform	<2.0	ug/L	4.0	2.0	4		12/27/17 19:16	75-25-2	
Bromomethane	<9.7	ug/L	20.0	9.7	4		12/27/17 19:16	74-83-9	
Carbon tetrachloride	<2.0	ug/L	4.0	2.0	4		12/27/17 19:16	56-23-5	
Chlorobenzene	<2.0	ug/L	4.0	2.0	4		12/27/17 19:16	108-90-7	
Chloroethane	31.0	ug/L	4.0	1.5	4		12/27/17 19:16	75-00-3	
Chloroform	<10.0	ug/L	20.0	10.0	4		12/27/17 19:16	67-66-3	
Chloromethane	4.0	ug/L	4.0	2.0	4		12/27/17 19:16	74-87-3	
Dibromochloromethane	<2.0	ug/L	4.0	2.0	4		12/27/17 19:16	124-48-1	
Dibromomethane	<1.7	ug/L	4.0	1.7	4		12/27/17 19:16	74-95-3	
Dichlorodifluoromethane	<0.90	ug/L	4.0	0.90	4		12/27/17 19:16	75-71-8	
Diisopropyl ether	<2.0	ug/L	4.0	2.0	4		12/27/17 19:16	108-20-3	
Ethylbenzene	<2.0	ug/L	4.0	2.0	4		12/27/17 19:16	100-41-4	
Hexachloro-1,3-butadiene	<8.4	ug/L	20.0	8.4	4		12/27/17 19:16	87-68-3	
Isopropylbenzene (Cumene)	<0.57	ug/L	4.0	0.57	4		12/27/17 19:16	98-82-8	
Methyl-tert-butyl ether	<0.70	ug/L	4.0	0.70	4		12/27/17 19:16	1634-04-4	
Methylene Chloride	1.7J	ug/L	4.0	0.93	4		12/27/17 19:16	75-09-2	
Naphthalene	<10.0	ug/L	20.0	10.0	4		12/27/17 19:16	91-20-3	
Styrene	<2.0	ug/L	4.0	2.0	4		12/27/17 19:16	100-42-5	
Tetrachloroethene	<2.0	ug/L	4.0	2.0	4		12/27/17 19:16	127-18-4	
Toluene	<2.0	ug/L	4.0	2.0	4		12/27/17 19:16	108-88-3	
Trichloroethene	<1.3	ug/L	4.0	1.3	4		12/27/17 19:16	79-01-6	
Trichlorofluoromethane	<0.74	ug/L	4.0	0.74	4		12/27/17 19:16	75-69-4	
Vinyl chloride	5.9	ug/L	4.0	0.70	4		12/27/17 19:16	75-01-4	
cis-1,2-Dichloroethene	<1.0	ug/L	4.0	1.0	4		12/27/17 19:16	156-59-2	
cis-1,3-Dichloropropene	<2.0	ug/L	4.0	2.0	4		12/27/17 19:16	10061-01-5	
m&p-Xylene	<4.0	ug/L	8.0	4.0	4		12/27/17 19:16	179601-23-1	
n-Butylbenzene	<2.0	ug/L	4.0	2.0	4		12/27/17 19:16	104-51-8	
n-Propylbenzene	<2.0	ug/L	4.0	2.0	4		12/27/17 19:16	103-65-1	
o-Xylene	<2.0	ug/L	4.0	2.0	4		12/27/17 19:16	95-47-6	
p-Isopropyltoluene	<2.0	ug/L	4.0	2.0	4		12/27/17 19:16	99-87-6	
sec-Butylbenzene	<8.7	ug/L	20.0	8.7	4		12/27/17 19:16	135-98-8	
tert-Butylbenzene	<0.72	ug/L	4.0	0.72	4		12/27/17 19:16	98-06-6	
trans-1,2-Dichloroethene	<1.0	ug/L	4.0	1.0	4		12/27/17 19:16	156-60-5	
trans-1,3-Dichloropropene	<0.92	ug/L	4.0	0.92	4		12/27/17 19:16	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	61-130		4		12/27/17 19:16	460-00-4	
Dibromofluoromethane (S)	92	%	67-130		4		12/27/17 19:16	1868-53-7	
Toluene-d8 (S)	99	%	70-130		4		12/27/17 19:16	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TD P3 4TH QTR GW
Pace Project No.: 40162776

QC Batch: 277946 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40162776001, 40162776002

METHOD BLANK: 1633813 Matrix: Water
Associated Lab Samples: 40162776001, 40162776002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	12/27/17 10:01	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	12/27/17 10:01	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	12/27/17 10:01	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	12/27/17 10:01	
1,1-Dichloroethane	ug/L	<0.24	1.0	12/27/17 10:01	
1,1-Dichloroethene	ug/L	<0.41	1.0	12/27/17 10:01	
1,1-Dichloropropene	ug/L	<0.44	1.0	12/27/17 10:01	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	12/27/17 10:01	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	12/27/17 10:01	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	12/27/17 10:01	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	12/27/17 10:01	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	12/27/17 10:01	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	12/27/17 10:01	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	12/27/17 10:01	
1,2-Dichloroethane	ug/L	<0.17	1.0	12/27/17 10:01	
1,2-Dichloropropane	ug/L	<0.23	1.0	12/27/17 10:01	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	12/27/17 10:01	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	12/27/17 10:01	
1,3-Dichloropropane	ug/L	<0.50	1.0	12/27/17 10:01	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	12/27/17 10:01	
2,2-Dichloropropane	ug/L	<0.48	1.0	12/27/17 10:01	
2-Chlorotoluene	ug/L	<0.50	1.0	12/27/17 10:01	
4-Chlorotoluene	ug/L	<0.21	1.0	12/27/17 10:01	
Benzene	ug/L	<0.50	1.0	12/27/17 10:01	
Bromobenzene	ug/L	<0.23	1.0	12/27/17 10:01	
Bromochloromethane	ug/L	<0.34	1.0	12/27/17 10:01	
Bromodichloromethane	ug/L	<0.50	1.0	12/27/17 10:01	
Bromoform	ug/L	<0.50	1.0	12/27/17 10:01	
Bromomethane	ug/L	<2.4	5.0	12/27/17 10:01	
Carbon tetrachloride	ug/L	<0.50	1.0	12/27/17 10:01	
Chlorobenzene	ug/L	<0.50	1.0	12/27/17 10:01	
Chloroethane	ug/L	<0.37	1.0	12/27/17 10:01	
Chloroform	ug/L	<2.5	5.0	12/27/17 10:01	
Chloromethane	ug/L	<0.50	1.0	12/27/17 10:01	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	12/27/17 10:01	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	12/27/17 10:01	
Dibromochloromethane	ug/L	<0.50	1.0	12/27/17 10:01	
Dibromomethane	ug/L	<0.43	1.0	12/27/17 10:01	
Dichlorodifluoromethane	ug/L	<0.22	1.0	12/27/17 10:01	
Diisopropyl ether	ug/L	<0.50	1.0	12/27/17 10:01	
Ethylbenzene	ug/L	<0.50	1.0	12/27/17 10:01	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TD P3 4TH QTR GW

Pace Project No.: 40162776

METHOD BLANK: 1633813

Matrix: Water

Associated Lab Samples: 40162776001, 40162776002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	12/27/17 10:01	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	12/27/17 10:01	
m&p-Xylene	ug/L	<1.0	2.0	12/27/17 10:01	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	12/27/17 10:01	
Methylene Chloride	ug/L	<0.23	1.0	12/27/17 10:01	
n-Butylbenzene	ug/L	<0.50	1.0	12/27/17 10:01	
n-Propylbenzene	ug/L	<0.50	1.0	12/27/17 10:01	
Naphthalene	ug/L	<2.5	5.0	12/27/17 10:01	
o-Xylene	ug/L	<0.50	1.0	12/27/17 10:01	
p-Isopropyltoluene	ug/L	<0.50	1.0	12/27/17 10:01	
sec-Butylbenzene	ug/L	<2.2	5.0	12/27/17 10:01	
Styrene	ug/L	<0.50	1.0	12/27/17 10:01	
tert-Butylbenzene	ug/L	<0.18	1.0	12/27/17 10:01	
Tetrachloroethene	ug/L	<0.50	1.0	12/27/17 10:01	
Toluene	ug/L	<0.50	1.0	12/27/17 10:01	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	12/27/17 10:01	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	12/27/17 10:01	
Trichloroethene	ug/L	<0.33	1.0	12/27/17 10:01	
Trichlorofluoromethane	ug/L	<0.18	1.0	12/27/17 10:01	
Vinyl chloride	ug/L	<0.18	1.0	12/27/17 10:01	
4-Bromofluorobenzene (S)	%	98	61-130	12/27/17 10:01	
Dibromofluoromethane (S)	%	94	67-130	12/27/17 10:01	
Toluene-d8 (S)	%	99	70-130	12/27/17 10:01	

LABORATORY CONTROL SAMPLE: 1633814

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	51.9	104	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	41.9	84	70-130	
1,1,2-Trichloroethane	ug/L	50	45.3	91	70-130	
1,1-Dichloroethane	ug/L	50	52.2	104	71-132	
1,1-Dichloroethene	ug/L	50	50.8	102	75-130	
1,2,4-Trichlorobenzene	ug/L	50	39.6	79	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	32.9	66	63-123	
1,2-Dibromoethane (EDB)	ug/L	50	42.6	85	70-130	
1,2-Dichlorobenzene	ug/L	50	48.1	96	70-130	
1,2-Dichloroethane	ug/L	50	46.4	93	70-131	
1,2-Dichloropropane	ug/L	50	52.1	104	80-120	
1,3-Dichlorobenzene	ug/L	50	50.2	100	70-130	
1,4-Dichlorobenzene	ug/L	50	50.5	101	70-130	
Benzene	ug/L	50	50.2	100	73-145	
Bromodichloromethane	ug/L	50	48.5	97	70-130	
Bromoform	ug/L	50	40.7	81	67-130	
Bromomethane	ug/L	50	41.1	82	26-128	

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QUALITY CONTROL DATA

Project: TD P3 4TH QTR GW

Pace Project No.: 40162776

LABORATORY CONTROL SAMPLE: 1633814

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	56.5	113	70-133	
Chlorobenzene	ug/L	50	53.2	106	70-130	
Chloroethane	ug/L	50	45.1	90	58-120	
Chloroform	ug/L	50	51.7	103	80-121	
Chloromethane	ug/L	50	34.5	69	40-127	
cis-1,2-Dichloroethene	ug/L	50	48.7	97	70-130	
cis-1,3-Dichloropropene	ug/L	50	44.5	89	70-130	
Dibromochloromethane	ug/L	50	44.5	89	70-130	
Dichlorodifluoromethane	ug/L	50	26.8	54	20-135	
Ethylbenzene	ug/L	50	53.4	107	87-129	
Isopropylbenzene (Cumene)	ug/L	50	57.1	114	70-130	
m&p-Xylene	ug/L	100	108	108	70-130	
Methyl-tert-butyl ether	ug/L	50	36.7	73	66-143	
Methylene Chloride	ug/L	50	44.9	90	70-130	
o-Xylene	ug/L	50	52.8	106	70-130	
Styrene	ug/L	50	52.2	104	70-130	
Tetrachloroethene	ug/L	50	55.6	111	70-130	
Toluene	ug/L	50	52.6	105	82-130	
trans-1,2-Dichloroethene	ug/L	50	54.1	108	75-132	
trans-1,3-Dichloropropene	ug/L	50	41.9	84	70-130	
Trichloroethene	ug/L	50	56.9	114	70-130	
Trichlorofluoromethane	ug/L	50	49.5	99	76-133	
Vinyl chloride	ug/L	50	43.8	88	57-136	
4-Bromofluorobenzene (S)	%			104	61-130	
Dibromofluoromethane (S)	%			97	67-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1634292 1634293

Parameter	Units	40162891022		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	1.0	50	50	52.7	53.0	103	104	70-134	0	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	42.3	42.8	85	86	70-130	1	20		
1,1,2-Trichloroethane	ug/L	<0.20	50	50	46.9	45.2	94	90	70-130	4	20		
1,1-Dichloroethane	ug/L	1.1	50	50	52.9	51.7	104	101	71-133	2	20		
1,1-Dichloroethene	ug/L	0.77J	50	50	50.5	49.1	99	97	75-136	3	20		
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	43.0	44.5	86	89	70-130	3	20		
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	40.3	37.6	81	75	63-123	7	20		
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	42.7	42.4	85	85	70-130	1	20		
1,2-Dichlorobenzene	ug/L	<0.50	50	50	48.9	50.2	98	100	70-130	2	20		
1,2-Dichloroethane	ug/L	<0.17	50	50	46.3	44.3	93	89	70-131	5	20		
1,2-Dichloropropane	ug/L	<0.23	50	50	52.2	52.5	104	105	80-120	1	20		
1,3-Dichlorobenzene	ug/L	<0.50	50	50	51.3	51.3	103	103	70-130	0	20		
1,4-Dichlorobenzene	ug/L	<0.50	50	50	51.1	52.1	102	104	70-130	2	20		

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QUALITY CONTROL DATA

Project: TD P3 4TH QTR GW

Pace Project No.: 40162776

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1634292		1634293		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		40162891022 Result	MS Spike Conc.	MSD Spike Conc.									
Benzene	ug/L	<0.50	50	50	51.0	51.9	102	104	73-145	2	20		
Bromodichloromethane	ug/L	<0.50	50	50	49.7	49.6	99	99	70-130	0	20		
Bromoform	ug/L	<0.50	50	50	41.7	42.8	83	86	67-130	3	20		
Bromomethane	ug/L	<2.4	50	50	42.5	43.2	85	86	26-129	2	20		
Carbon tetrachloride	ug/L	<0.50	50	50	55.2	54.4	110	109	70-134	1	20		
Chlorobenzene	ug/L	<0.50	50	50	53.7	53.7	107	107	70-130	0	20		
Chloroethane	ug/L	<0.37	50	50	44.4	44.7	89	89	58-120	1	20		
Chloroform	ug/L	<2.5	50	50	52.5	51.5	105	103	80-121	2	20		
Chloromethane	ug/L	<0.50	50	50	35.2	33.3	70	67	40-128	5	20		
cis-1,2-Dichloroethene	ug/L	5.6	50	50	55.2	55.3	99	99	70-130	0	20		
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	45.9	45.8	92	92	70-130	0	20		
Dibromochloromethane	ug/L	<0.50	50	50	45.4	45.2	91	90	70-130	0	20		
Dichlorodifluoromethane	ug/L	<0.22	50	50	26.0	26.7	52	53	20-146	3	20		
Ethylbenzene	ug/L	<0.50	50	50	54.1	53.9	108	108	87-129	0	20		
Isopropylbenzene (Cumene)	ug/L	<0.14	50	50	55.9	55.9	112	112	70-130	0	20		
m&p-Xylene	ug/L	<1.0	100	100	108	108	108	108	70-130	0	20		
Methyl-tert-butyl ether	ug/L	<0.17	50	50	37.7	36.4	75	73	66-143	3	20		
Methylene Chloride	ug/L	<0.23	50	50	42.4	43.4	85	87	70-130	2	20		
o-Xylene	ug/L	<0.50	50	50	52.3	52.9	105	106	70-130	1	20		
Styrene	ug/L	<0.50	50	50	51.7	51.9	103	104	70-130	0	20		
Tetrachloroethene	ug/L	0.59J	50	50	57.1	57.7	113	114	70-130	1	20		
Toluene	ug/L	<0.50	50	50	53.7	54.3	107	109	82-131	1	20		
trans-1,2-Dichloroethene	ug/L	<0.26	50	50	54.6	54.4	109	109	75-135	0	20		
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	42.6	42.0	85	84	70-130	1	20		
Trichloroethene	ug/L	1.5	50	50	58.5	58.1	114	113	70-130	1	20		
Trichlorofluoromethane	ug/L	<0.18	50	50	49.7	49.1	99	98	76-150	1	20		
Vinyl chloride	ug/L	<0.18	50	50	43.2	44.4	86	89	56-143	3	20		
4-Bromofluorobenzene (S)	%						102	103	61-130				
Dibromofluoromethane (S)	%						96	95	67-130				
Toluene-d8 (S)	%						101	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 4TH QTR GW

Pace Project No.: 40162776

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 4TH QTR GW
Pace Project No.: 40162776

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40162776001	MW-15	EPA 8260	277946		
40162776002	MW-24	EPA 8260	277946		

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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.

40162776

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Environmental Audits Inc.	Report To:	Jruetz@yahoo.com;	Attention:	John Ruetz
Address:	11327 W Lincoln Avenue	Copy To:	eehill@wi.rr.com; john@environmentalaudits.net	Company Name:	Environmental Audits Inc.
	West Allis WI 53051	Purchase Order No.:	Verbal	Address:	11327 W Lincoln Avenue
Email To:	john@environmentalaudits.net	Project Name:	TD P3 4th Qtr GW	Pace Quote Reference:	
Phone:	414-226-5563	Requested Due Date/TAT:		Pace Project Manager:	
		Project Number:		Pace Profile #:	

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test	Requested Analysis Filtered (Y/N)		Residual Chlorine (Y/N)
					COMPOSITE START	COMPOSITE END/GRAB			H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		Y	N	
1	MW - 15		GW	G	12/19/17			3		X									
2	MW - 24		GW	G	12/19/17			3			X								

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS	
		Stephanie Wagner		12/19/17		Mary Fanning		12/19/17	1500		
		CS Bog 3415		12/19/17	0855	Dawn Spivey		12/19/17	0855		

SAMPLER NAME AND SIGNATURE	
PRINT Name of SAMPLER: John Ruetz	DATE Signed (MM/DD/YY): 12/19/17
SIGNATURE of SAMPLER: <i>[Signature]</i>	

*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 invoices not paid within 30 days.

F-ALL-Q-020rev.08, 12-Oct-2007



Sample Condition Upon Receipt

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

Project #:

WO#: 40162776

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

Cooler Temperature Uncorr: R02 ICorr: Biological Tissue is Frozen: yes no

Temp Blank Present: yes no

Person examining contents:
Date: 12/21/20
Initials: DS

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

Comments:

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

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

Person Contacted: Date/Time:

Comments/ Resolution:

Project Manager Review: [Signature] Date: 12-21-17

December 18, 2017

John Ruetz
Environmental Audits Inc
11327 W Lincoln Ave
West Allis, WI 53227

RE: Project: TD P3 4TH QTR GW
Pace Project No.: 40162386

Dear John Ruetz:

Enclosed are the analytical results for sample(s) received by the laboratory on December 14, 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: Ed Raymond, Environmental Audits, Inc
Stephanie Wagner, Environmental Audits, Inc.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: TD P3 4TH QTR GW

Pace Project No.: 40162386

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

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SAMPLE SUMMARY

Project: TD P3 4TH QTR GW

Pace Project No.: 40162386

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40162386001	MW-1	Water	12/12/17 00:00	12/14/17 09:45
40162386002	MW-2	Water	12/12/17 00:00	12/14/17 09:45
40162386003	MW-6	Water	12/12/17 00:00	12/14/17 09:45
40162386004	MW-7	Water	12/12/17 00:00	12/14/17 09:45
40162386005	MW-9	Water	12/12/17 00:00	12/14/17 09:45
40162386006	MW-10	Water	12/12/17 00:00	12/14/17 09:45
40162386007	MW-17	Water	12/12/17 00:00	12/14/17 09:45
40162386008	MW-22	Water	12/12/17 00:00	12/14/17 09:45
40162386009	MW-23	Water	12/12/17 00:00	12/14/17 09:45
40162386010	MW-25	Water	12/12/17 00:00	12/14/17 09:45
40162386011	TRIP BLANK	Water	12/12/17 00:00	12/14/17 09:45

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SAMPLE ANALYTE COUNT

Project: TD P3 4TH QTR GW

Pace Project No.: 40162386

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40162386001	MW-1	EPA 8260	LAP	64
40162386002	MW-2	EPA 8260	LAP	64
40162386003	MW-6	EPA 8260	LAP	64
40162386004	MW-7	EPA 8260	LAP	64
40162386005	MW-9	EPA 8260	LAP	64
40162386006	MW-10	EPA 8260	LAP	64
40162386007	MW-17	EPA 8260	LAP	64
40162386008	MW-22	EPA 8260	LAP	64
40162386009	MW-23	EPA 8260	LAP	64
40162386010	MW-25	EPA 8260	LAP	64
40162386011	TRIP BLANK	EPA 8260	LAP	64

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TD P3 4TH QTR GW

Pace Project No.: 40162386

Sample: MW-1 **Lab ID: 40162386001** Collected: 12/12/17 00:00 Received: 12/14/17 09:45 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		12/15/17 17:02	630-20-6	
1,1,1-Trichloroethane	2.5	ug/L	1.0	0.50	1		12/15/17 17:02	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		12/15/17 17:02	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		12/15/17 17:02	79-00-5	
1,1-Dichloroethane	67.3	ug/L	1.0	0.24	1		12/15/17 17:02	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/15/17 17:02	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		12/15/17 17:02	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		12/15/17 17:02	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		12/15/17 17:02	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		12/15/17 17:02	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 17:02	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		12/15/17 17:02	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		12/15/17 17:02	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 17:02	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		12/15/17 17:02	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		12/15/17 17:02	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 17:02	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 17:02	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		12/15/17 17:02	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 17:02	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		12/15/17 17:02	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		12/15/17 17:02	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		12/15/17 17:02	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		12/15/17 17:02	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		12/15/17 17:02	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		12/15/17 17:02	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		12/15/17 17:02	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		12/15/17 17:02	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		12/15/17 17:02	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		12/15/17 17:02	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 17:02	108-90-7	
Chloroethane	14.8	ug/L	1.0	0.37	1		12/15/17 17:02	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		12/15/17 17:02	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		12/15/17 17:02	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		12/15/17 17:02	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		12/15/17 17:02	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		12/15/17 17:02	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		12/15/17 17:02	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 17:02	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		12/15/17 17:02	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		12/15/17 17:02	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		12/15/17 17:02	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		12/15/17 17:02	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		12/15/17 17:02	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		12/15/17 17:02	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/15/17 17:02	127-18-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TD P3 4TH QTR GW

Pace Project No.: 40162386

Sample: MW-1 **Lab ID: 40162386001** Collected: 12/12/17 00:00 Received: 12/14/17 09:45 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		12/15/17 17:02	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/15/17 17:02	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		12/15/17 17:02	75-69-4	
Vinyl chloride	6.8	ug/L	1.0	0.18	1		12/15/17 17:02	75-01-4	
cis-1,2-Dichloroethene	0.81J	ug/L	1.0	0.26	1		12/15/17 17:02	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		12/15/17 17:02	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		12/15/17 17:02	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 17:02	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 17:02	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		12/15/17 17:02	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		12/15/17 17:02	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		12/15/17 17:02	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		12/15/17 17:02	98-06-6	
trans-1,2-Dichloroethene	0.48J	ug/L	1.0	0.26	1		12/15/17 17:02	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		12/15/17 17:02	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	83	%	61-130		1		12/15/17 17:02	460-00-4	
Dibromofluoromethane (S)	109	%	67-130		1		12/15/17 17:02	1868-53-7	
Toluene-d8 (S)	104	%	70-130		1		12/15/17 17:02	2037-26-5	

Sample: MW-2 **Lab ID: 40162386002** Collected: 12/12/17 00:00 Received: 12/14/17 09:45 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		12/15/17 11:54	630-20-6	
1,1,1-Trichloroethane	1.4	ug/L	1.0	0.50	1		12/15/17 11:54	71-55-6	
1,1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		12/15/17 11:54	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		12/15/17 11:54	79-00-5	
1,1-Dichloroethane	22.9	ug/L	1.0	0.24	1		12/15/17 11:54	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/15/17 11:54	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		12/15/17 11:54	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		12/15/17 11:54	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		12/15/17 11:54	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		12/15/17 11:54	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 11:54	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		12/15/17 11:54	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		12/15/17 11:54	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 11:54	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		12/15/17 11:54	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		12/15/17 11:54	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 11:54	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 11:54	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		12/15/17 11:54	142-28-9	

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ANALYTICAL RESULTS

Project: TD P3 4TH QTR GW

Pace Project No.: 40162386

Sample: MW-2 **Lab ID: 40162386002** Collected: 12/12/17 00:00 Received: 12/14/17 09:45 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		12/15/17 11:54	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		12/15/17 11:54	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		12/15/17 11:54	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		12/15/17 11:54	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		12/15/17 11:54	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		12/15/17 11:54	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		12/15/17 11:54	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		12/15/17 11:54	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		12/15/17 11:54	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		12/15/17 11:54	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		12/15/17 11:54	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 11:54	108-90-7	
Chloroethane	9.0	ug/L	1.0	0.37	1		12/15/17 11:54	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		12/15/17 11:54	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		12/15/17 11:54	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		12/15/17 11:54	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		12/15/17 11:54	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		12/15/17 11:54	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		12/15/17 11:54	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 11:54	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		12/15/17 11:54	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		12/15/17 11:54	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		12/15/17 11:54	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		12/15/17 11:54	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		12/15/17 11:54	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		12/15/17 11:54	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/15/17 11:54	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		12/15/17 11:54	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/15/17 11:54	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		12/15/17 11:54	75-69-4	
Vinyl chloride	0.84J	ug/L	1.0	0.18	1		12/15/17 11:54	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		12/15/17 11:54	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		12/15/17 11:54	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		12/15/17 11:54	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 11:54	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 11:54	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		12/15/17 11:54	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		12/15/17 11:54	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		12/15/17 11:54	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		12/15/17 11:54	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		12/15/17 11:54	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		12/15/17 11:54	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	82	%	61-130		1		12/15/17 11:54	460-00-4	
Dibromofluoromethane (S)	105	%	67-130		1		12/15/17 11:54	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		12/15/17 11:54	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TD P3 4TH QTR GW

Pace Project No.: 40162386

Sample: MW-6 **Lab ID: 40162386003** Collected: 12/12/17 00:00 Received: 12/14/17 09:45 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		12/15/17 10:26	630-20-6	
1,1,1-Trichloroethane	5.0	ug/L	2.5	1.2	2.5		12/15/17 10:26	71-55-6	
1,1,2,2-Tetrachloroethane	<0.62	ug/L	2.5	0.62	2.5		12/15/17 10:26	79-34-5	
1,1,2-Trichloroethane	<0.49	ug/L	2.5	0.49	2.5		12/15/17 10:26	79-00-5	
1,1-Dichloroethane	137	ug/L	2.5	0.60	2.5		12/15/17 10:26	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	2.5	1.0	2.5		12/15/17 10:26	75-35-4	
1,1-Dichloropropene	<1.1	ug/L	2.5	1.1	2.5		12/15/17 10:26	563-58-6	
1,2,3-Trichlorobenzene	<5.3	ug/L	12.5	5.3	2.5		12/15/17 10:26	87-61-6	
1,2,3-Trichloropropane	<1.2	ug/L	2.5	1.2	2.5		12/15/17 10:26	96-18-4	
1,2,4-Trichlorobenzene	<5.5	ug/L	12.5	5.5	2.5		12/15/17 10:26	120-82-1	
1,2,4-Trimethylbenzene	<1.2	ug/L	2.5	1.2	2.5		12/15/17 10:26	95-63-6	
1,2-Dibromo-3-chloropropane	<5.4	ug/L	12.5	5.4	2.5		12/15/17 10:26	96-12-8	
1,2-Dibromoethane (EDB)	<0.44	ug/L	2.5	0.44	2.5		12/15/17 10:26	106-93-4	
1,2-Dichlorobenzene	<1.2	ug/L	2.5	1.2	2.5		12/15/17 10:26	95-50-1	
1,2-Dichloroethane	<0.42	ug/L	2.5	0.42	2.5		12/15/17 10:26	107-06-2	
1,2-Dichloropropane	<0.58	ug/L	2.5	0.58	2.5		12/15/17 10:26	78-87-5	
1,3,5-Trimethylbenzene	<1.2	ug/L	2.5	1.2	2.5		12/15/17 10:26	108-67-8	
1,3-Dichlorobenzene	<1.2	ug/L	2.5	1.2	2.5		12/15/17 10:26	541-73-1	
1,3-Dichloropropane	<1.2	ug/L	2.5	1.2	2.5		12/15/17 10:26	142-28-9	
1,4-Dichlorobenzene	<1.2	ug/L	2.5	1.2	2.5		12/15/17 10:26	106-46-7	
2,2-Dichloropropane	<1.2	ug/L	2.5	1.2	2.5		12/15/17 10:26	594-20-7	
2-Chlorotoluene	<1.2	ug/L	2.5	1.2	2.5		12/15/17 10:26	95-49-8	
4-Chlorotoluene	<0.53	ug/L	2.5	0.53	2.5		12/15/17 10:26	106-43-4	
Benzene	<1.2	ug/L	2.5	1.2	2.5		12/15/17 10:26	71-43-2	
Bromobenzene	<0.58	ug/L	2.5	0.58	2.5		12/15/17 10:26	108-86-1	
Bromochloromethane	<0.85	ug/L	2.5	0.85	2.5		12/15/17 10:26	74-97-5	
Bromodichloromethane	<1.2	ug/L	2.5	1.2	2.5		12/15/17 10:26	75-27-4	
Bromoform	<1.2	ug/L	2.5	1.2	2.5		12/15/17 10:26	75-25-2	
Bromomethane	<6.1	ug/L	12.5	6.1	2.5		12/15/17 10:26	74-83-9	
Carbon tetrachloride	<1.2	ug/L	2.5	1.2	2.5		12/15/17 10:26	56-23-5	
Chlorobenzene	<1.2	ug/L	2.5	1.2	2.5		12/15/17 10:26	108-90-7	
Chloroethane	4.8	ug/L	2.5	0.94	2.5		12/15/17 10:26	75-00-3	
Chloroform	<6.2	ug/L	12.5	6.2	2.5		12/15/17 10:26	67-66-3	
Chloromethane	<1.2	ug/L	2.5	1.2	2.5		12/15/17 10:26	74-87-3	
Dibromochloromethane	<1.2	ug/L	2.5	1.2	2.5		12/15/17 10:26	124-48-1	
Dibromomethane	<1.1	ug/L	2.5	1.1	2.5		12/15/17 10:26	74-95-3	
Dichlorodifluoromethane	<0.56	ug/L	2.5	0.56	2.5		12/15/17 10:26	75-71-8	
Diisopropyl ether	<1.2	ug/L	2.5	1.2	2.5		12/15/17 10:26	108-20-3	
Ethylbenzene	<1.2	ug/L	2.5	1.2	2.5		12/15/17 10:26	100-41-4	
Hexachloro-1,3-butadiene	<5.3	ug/L	12.5	5.3	2.5		12/15/17 10:26	87-68-3	
Isopropylbenzene (Cumene)	<0.36	ug/L	2.5	0.36	2.5		12/15/17 10:26	98-82-8	
Methyl-tert-butyl ether	<0.44	ug/L	2.5	0.44	2.5		12/15/17 10:26	1634-04-4	
Methylene Chloride	<0.58	ug/L	2.5	0.58	2.5		12/15/17 10:26	75-09-2	
Naphthalene	<6.2	ug/L	12.5	6.2	2.5		12/15/17 10:26	91-20-3	
Styrene	<1.2	ug/L	2.5	1.2	2.5		12/15/17 10:26	100-42-5	
Tetrachloroethene	<1.2	ug/L	2.5	1.2	2.5		12/15/17 10:26	127-18-4	

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ANALYTICAL RESULTS

Project: TD P3 4TH QTR GW

Pace Project No.: 40162386

Sample: MW-6 **Lab ID: 40162386003** Collected: 12/12/17 00:00 Received: 12/14/17 09:45 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		12/15/17 10:26	108-88-3	
Trichloroethene	<0.83	ug/L	2.5	0.83	2.5		12/15/17 10:26	79-01-6	
Trichlorofluoromethane	<0.46	ug/L	2.5	0.46	2.5		12/15/17 10:26	75-69-4	
Vinyl chloride	0.97J	ug/L	2.5	0.44	2.5		12/15/17 10:26	75-01-4	
cis-1,2-Dichloroethene	1.9J	ug/L	2.5	0.64	2.5		12/15/17 10:26	156-59-2	
cis-1,3-Dichloropropene	<1.2	ug/L	2.5	1.2	2.5		12/15/17 10:26	10061-01-5	
m&p-Xylene	<2.5	ug/L	5.0	2.5	2.5		12/15/17 10:26	179601-23-1	
n-Butylbenzene	<1.2	ug/L	2.5	1.2	2.5		12/15/17 10:26	104-51-8	
n-Propylbenzene	<1.2	ug/L	2.5	1.2	2.5		12/15/17 10:26	103-65-1	
o-Xylene	<1.2	ug/L	2.5	1.2	2.5		12/15/17 10:26	95-47-6	
p-Isopropyltoluene	<1.2	ug/L	2.5	1.2	2.5		12/15/17 10:26	99-87-6	
sec-Butylbenzene	<5.5	ug/L	12.5	5.5	2.5		12/15/17 10:26	135-98-8	
tert-Butylbenzene	<0.45	ug/L	2.5	0.45	2.5		12/15/17 10:26	98-06-6	
trans-1,2-Dichloroethene	<0.64	ug/L	2.5	0.64	2.5		12/15/17 10:26	156-60-5	
trans-1,3-Dichloropropene	<0.57	ug/L	2.5	0.57	2.5		12/15/17 10:26	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	85	%	61-130		2.5		12/15/17 10:26	460-00-4	
Dibromofluoromethane (S)	105	%	67-130		2.5		12/15/17 10:26	1868-53-7	
Toluene-d8 (S)	104	%	70-130		2.5		12/15/17 10:26	2037-26-5	

Sample: MW-7 **Lab ID: 40162386004** Collected: 12/12/17 00:00 Received: 12/14/17 09:45 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		12/15/17 11:10	630-20-6	
1,1,1-Trichloroethane	7.0	ug/L	1.0	0.50	1		12/15/17 11:10	71-55-6	
1,1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		12/15/17 11:10	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		12/15/17 11:10	79-00-5	
1,1-Dichloroethane	5.6	ug/L	1.0	0.24	1		12/15/17 11:10	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/15/17 11:10	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		12/15/17 11:10	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		12/15/17 11:10	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		12/15/17 11:10	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		12/15/17 11:10	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 11:10	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		12/15/17 11:10	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		12/15/17 11:10	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 11:10	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		12/15/17 11:10	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		12/15/17 11:10	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 11:10	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 11:10	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		12/15/17 11:10	142-28-9	

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ANALYTICAL RESULTS

Project: TD P3 4TH QTR GW

Pace Project No.: 40162386

Sample: MW-7 Lab ID: 40162386004 Collected: 12/12/17 00:00 Received: 12/14/17 09:45 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		12/15/17 11:10	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		12/15/17 11:10	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		12/15/17 11:10	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		12/15/17 11:10	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		12/15/17 11:10	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		12/15/17 11:10	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		12/15/17 11:10	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		12/15/17 11:10	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		12/15/17 11:10	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		12/15/17 11:10	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		12/15/17 11:10	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 11:10	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		12/15/17 11:10	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		12/15/17 11:10	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		12/15/17 11:10	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		12/15/17 11:10	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		12/15/17 11:10	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		12/15/17 11:10	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		12/15/17 11:10	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 11:10	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		12/15/17 11:10	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		12/15/17 11:10	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		12/15/17 11:10	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		12/15/17 11:10	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		12/15/17 11:10	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		12/15/17 11:10	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/15/17 11:10	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		12/15/17 11:10	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/15/17 11:10	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		12/15/17 11:10	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		12/15/17 11:10	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		12/15/17 11:10	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		12/15/17 11:10	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		12/15/17 11:10	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 11:10	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 11:10	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		12/15/17 11:10	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		12/15/17 11:10	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		12/15/17 11:10	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		12/15/17 11:10	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		12/15/17 11:10	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		12/15/17 11:10	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	84	%	61-130		1		12/15/17 11:10	460-00-4	
Dibromofluoromethane (S)	109	%	67-130		1		12/15/17 11:10	1868-53-7	
Toluene-d8 (S)	106	%	70-130		1		12/15/17 11:10	2037-26-5	

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ANALYTICAL RESULTS

Project: TD P3 4TH QTR GW
Pace Project No.: 40162386

Sample: MW-9 Lab ID: **40162386005** Collected: 12/12/17 00:00 Received: 12/14/17 09:45 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		12/15/17 12:16	630-20-6	
1,1,1-Trichloroethane	4.6	ug/L	1.0	0.50	1		12/15/17 12:16	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		12/15/17 12:16	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		12/15/17 12:16	79-00-5	
1,1-Dichloroethane	5.9	ug/L	1.0	0.24	1		12/15/17 12:16	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/15/17 12:16	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		12/15/17 12:16	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		12/15/17 12:16	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		12/15/17 12:16	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		12/15/17 12:16	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 12:16	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		12/15/17 12:16	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		12/15/17 12:16	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 12:16	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		12/15/17 12:16	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		12/15/17 12:16	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 12:16	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 12:16	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		12/15/17 12:16	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 12:16	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		12/15/17 12:16	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		12/15/17 12:16	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		12/15/17 12:16	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		12/15/17 12:16	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		12/15/17 12:16	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		12/15/17 12:16	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		12/15/17 12:16	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		12/15/17 12:16	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		12/15/17 12:16	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		12/15/17 12:16	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 12:16	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		12/15/17 12:16	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		12/15/17 12:16	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		12/15/17 12:16	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		12/15/17 12:16	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		12/15/17 12:16	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		12/15/17 12:16	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		12/15/17 12:16	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 12:16	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		12/15/17 12:16	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		12/15/17 12:16	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		12/15/17 12:16	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		12/15/17 12:16	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		12/15/17 12:16	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		12/15/17 12:16	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/15/17 12:16	127-18-4	

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ANALYTICAL RESULTS

Project: TD P3 4TH QTR GW

Pace Project No.: 40162386

Sample: MW-9 **Lab ID: 40162386005** Collected: 12/12/17 00:00 Received: 12/14/17 09:45 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		12/15/17 12:16	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/15/17 12:16	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		12/15/17 12:16	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		12/15/17 12:16	75-01-4	
cis-1,2-Dichloroethene	1.3	ug/L	1.0	0.26	1		12/15/17 12:16	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		12/15/17 12:16	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		12/15/17 12:16	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 12:16	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 12:16	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		12/15/17 12:16	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		12/15/17 12:16	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		12/15/17 12:16	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		12/15/17 12:16	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		12/15/17 12:16	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		12/15/17 12:16	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	85	%	61-130		1		12/15/17 12:16	460-00-4	
Dibromofluoromethane (S)	109	%	67-130		1		12/15/17 12:16	1868-53-7	
Toluene-d8 (S)	107	%	70-130		1		12/15/17 12:16	2037-26-5	

Sample: MW-10 **Lab ID: 40162386006** Collected: 12/12/17 00:00 Received: 12/14/17 09:45 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		12/15/17 10:48	630-20-6	
1,1,1-Trichloroethane	3.4	ug/L	2.0	1.0	2		12/15/17 10:48	71-55-6	
1,1,1,2,2-Tetrachloroethane	<0.50	ug/L	2.0	0.50	2		12/15/17 10:48	79-34-5	
1,1,2-Trichloroethane	<0.39	ug/L	2.0	0.39	2		12/15/17 10:48	79-00-5	
1,1-Dichloroethane	4.0	ug/L	2.0	0.48	2		12/15/17 10:48	75-34-3	
1,1-Dichloroethene	<0.82	ug/L	2.0	0.82	2		12/15/17 10:48	75-35-4	
1,1-Dichloropropene	<0.88	ug/L	2.0	0.88	2		12/15/17 10:48	563-58-6	
1,2,3-Trichlorobenzene	<4.3	ug/L	10.0	4.3	2		12/15/17 10:48	87-61-6	
1,2,3-Trichloropropane	<1.0	ug/L	2.0	1.0	2		12/15/17 10:48	96-18-4	
1,2,4-Trichlorobenzene	<4.4	ug/L	10.0	4.4	2		12/15/17 10:48	120-82-1	
1,2,4-Trimethylbenzene	<1.0	ug/L	2.0	1.0	2		12/15/17 10:48	95-63-6	
1,2-Dibromo-3-chloropropane	<4.3	ug/L	10.0	4.3	2		12/15/17 10:48	96-12-8	
1,2-Dibromoethane (EDB)	<0.36	ug/L	2.0	0.36	2		12/15/17 10:48	106-93-4	
1,2-Dichlorobenzene	1.3J	ug/L	2.0	1.0	2		12/15/17 10:48	95-50-1	
1,2-Dichloroethane	<0.34	ug/L	2.0	0.34	2		12/15/17 10:48	107-06-2	
1,2-Dichloropropane	<0.47	ug/L	2.0	0.47	2		12/15/17 10:48	78-87-5	
1,3,5-Trimethylbenzene	<1.0	ug/L	2.0	1.0	2		12/15/17 10:48	108-67-8	
1,3-Dichlorobenzene	<1.0	ug/L	2.0	1.0	2		12/15/17 10:48	541-73-1	
1,3-Dichloropropane	<1.0	ug/L	2.0	1.0	2		12/15/17 10:48	142-28-9	

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ANALYTICAL RESULTS

Project: TD P3 4TH QTR GW

Pace Project No.: 40162386

Sample: MW-10 **Lab ID: 40162386006** Collected: 12/12/17 00:00 Received: 12/14/17 09:45 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		12/15/17 10:48	106-46-7	
2,2-Dichloropropane	<0.97	ug/L	2.0	0.97	2		12/15/17 10:48	594-20-7	
2-Chlorotoluene	<1.0	ug/L	2.0	1.0	2		12/15/17 10:48	95-49-8	
4-Chlorotoluene	<0.43	ug/L	2.0	0.43	2		12/15/17 10:48	106-43-4	
Benzene	<1.0	ug/L	2.0	1.0	2		12/15/17 10:48	71-43-2	
Bromobenzene	<0.46	ug/L	2.0	0.46	2		12/15/17 10:48	108-86-1	
Bromochloromethane	<0.68	ug/L	2.0	0.68	2		12/15/17 10:48	74-97-5	
Bromodichloromethane	<1.0	ug/L	2.0	1.0	2		12/15/17 10:48	75-27-4	
Bromoform	<1.0	ug/L	2.0	1.0	2		12/15/17 10:48	75-25-2	
Bromomethane	<4.9	ug/L	10.0	4.9	2		12/15/17 10:48	74-83-9	
Carbon tetrachloride	<1.0	ug/L	2.0	1.0	2		12/15/17 10:48	56-23-5	
Chlorobenzene	<1.0	ug/L	2.0	1.0	2		12/15/17 10:48	108-90-7	
Chloroethane	<0.75	ug/L	2.0	0.75	2		12/15/17 10:48	75-00-3	
Chloroform	<5.0	ug/L	10.0	5.0	2		12/15/17 10:48	67-66-3	
Chloromethane	<1.0	ug/L	2.0	1.0	2		12/15/17 10:48	74-87-3	
Dibromochloromethane	<1.0	ug/L	2.0	1.0	2		12/15/17 10:48	124-48-1	
Dibromomethane	<0.85	ug/L	2.0	0.85	2		12/15/17 10:48	74-95-3	
Dichlorodifluoromethane	<0.45	ug/L	2.0	0.45	2		12/15/17 10:48	75-71-8	
Diisopropyl ether	<1.0	ug/L	2.0	1.0	2		12/15/17 10:48	108-20-3	
Ethylbenzene	<1.0	ug/L	2.0	1.0	2		12/15/17 10:48	100-41-4	
Hexachloro-1,3-butadiene	<4.2	ug/L	10.0	4.2	2		12/15/17 10:48	87-68-3	
Isopropylbenzene (Cumene)	<0.29	ug/L	2.0	0.29	2		12/15/17 10:48	98-82-8	
Methyl-tert-butyl ether	<0.35	ug/L	2.0	0.35	2		12/15/17 10:48	1634-04-4	
Methylene Chloride	<0.47	ug/L	2.0	0.47	2		12/15/17 10:48	75-09-2	
Naphthalene	<5.0	ug/L	10.0	5.0	2		12/15/17 10:48	91-20-3	
Styrene	<1.0	ug/L	2.0	1.0	2		12/15/17 10:48	100-42-5	
Tetrachloroethene	<1.0	ug/L	2.0	1.0	2		12/15/17 10:48	127-18-4	
Toluene	<1.0	ug/L	2.0	1.0	2		12/15/17 10:48	108-88-3	
Trichloroethene	<0.66	ug/L	2.0	0.66	2		12/15/17 10:48	79-01-6	
Trichlorofluoromethane	<0.37	ug/L	2.0	0.37	2		12/15/17 10:48	75-69-4	
Vinyl chloride	271	ug/L	2.0	0.35	2		12/15/17 10:48	75-01-4	
cis-1,2-Dichloroethene	<0.51	ug/L	2.0	0.51	2		12/15/17 10:48	156-59-2	
cis-1,3-Dichloropropene	<1.0	ug/L	2.0	1.0	2		12/15/17 10:48	10061-01-5	
m&p-Xylene	<2.0	ug/L	4.0	2.0	2		12/15/17 10:48	179601-23-1	
n-Butylbenzene	<1.0	ug/L	2.0	1.0	2		12/15/17 10:48	104-51-8	
n-Propylbenzene	<1.0	ug/L	2.0	1.0	2		12/15/17 10:48	103-65-1	
o-Xylene	<1.0	ug/L	2.0	1.0	2		12/15/17 10:48	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	2.0	1.0	2		12/15/17 10:48	99-87-6	
sec-Butylbenzene	<4.4	ug/L	10.0	4.4	2		12/15/17 10:48	135-98-8	
tert-Butylbenzene	<0.36	ug/L	2.0	0.36	2		12/15/17 10:48	98-06-6	
trans-1,2-Dichloroethene	5.3	ug/L	2.0	0.51	2		12/15/17 10:48	156-60-5	
trans-1,3-Dichloropropene	<0.46	ug/L	2.0	0.46	2		12/15/17 10:48	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	61-130		2		12/15/17 10:48	460-00-4	
Dibromofluoromethane (S)	107	%	67-130		2		12/15/17 10:48	1868-53-7	
Toluene-d8 (S)	107	%	70-130		2		12/15/17 10:48	2037-26-5	

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ANALYTICAL RESULTS

Project: TD P3 4TH QTR GW

Pace Project No.: 40162386

Sample: MW-17 **Lab ID: 40162386007** Collected: 12/12/17 00:00 Received: 12/14/17 09:45 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		12/15/17 12:38	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/15/17 12:38	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		12/15/17 12:38	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		12/15/17 12:38	79-00-5	
1,1-Dichloroethane	0.28J	ug/L	1.0	0.24	1		12/15/17 12:38	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/15/17 12:38	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		12/15/17 12:38	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		12/15/17 12:38	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		12/15/17 12:38	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		12/15/17 12:38	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 12:38	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		12/15/17 12:38	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		12/15/17 12:38	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 12:38	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		12/15/17 12:38	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		12/15/17 12:38	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 12:38	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 12:38	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		12/15/17 12:38	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 12:38	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		12/15/17 12:38	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		12/15/17 12:38	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		12/15/17 12:38	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		12/15/17 12:38	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		12/15/17 12:38	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		12/15/17 12:38	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		12/15/17 12:38	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		12/15/17 12:38	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		12/15/17 12:38	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		12/15/17 12:38	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 12:38	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		12/15/17 12:38	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		12/15/17 12:38	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		12/15/17 12:38	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		12/15/17 12:38	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		12/15/17 12:38	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		12/15/17 12:38	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		12/15/17 12:38	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 12:38	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		12/15/17 12:38	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		12/15/17 12:38	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		12/15/17 12:38	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		12/15/17 12:38	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		12/15/17 12:38	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		12/15/17 12:38	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/15/17 12:38	127-18-4	

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ANALYTICAL RESULTS

Project: TD P3 4TH QTR GW

Pace Project No.: 40162386

Sample: MW-17 **Lab ID: 40162386007** Collected: 12/12/17 00:00 Received: 12/14/17 09:45 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		12/15/17 12:38	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/15/17 12:38	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		12/15/17 12:38	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		12/15/17 12:38	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		12/15/17 12:38	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		12/15/17 12:38	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		12/15/17 12:38	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 12:38	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 12:38	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		12/15/17 12:38	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		12/15/17 12:38	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		12/15/17 12:38	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		12/15/17 12:38	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		12/15/17 12:38	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		12/15/17 12:38	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	78	%	61-130		1		12/15/17 12:38	460-00-4	
Dibromofluoromethane (S)	108	%	67-130		1		12/15/17 12:38	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		12/15/17 12:38	2037-26-5	

Sample: MW-22 **Lab ID: 40162386008** Collected: 12/12/17 00:00 Received: 12/14/17 09:45 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		12/15/17 13:00	630-20-6	
1,1,1-Trichloroethane	2.8	ug/L	1.0	0.50	1		12/15/17 13:00	71-55-6	
1,1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		12/15/17 13:00	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		12/15/17 13:00	79-00-5	
1,1-Dichloroethane	1.3	ug/L	1.0	0.24	1		12/15/17 13:00	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/15/17 13:00	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		12/15/17 13:00	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		12/15/17 13:00	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		12/15/17 13:00	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		12/15/17 13:00	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 13:00	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		12/15/17 13:00	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		12/15/17 13:00	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 13:00	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		12/15/17 13:00	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		12/15/17 13:00	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 13:00	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 13:00	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		12/15/17 13:00	142-28-9	

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ANALYTICAL RESULTS

Project: TD P3 4TH QTR GW

Pace Project No.: 40162386

Sample: MW-22 **Lab ID: 40162386008** Collected: 12/12/17 00:00 Received: 12/14/17 09:45 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		12/15/17 13:00	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		12/15/17 13:00	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		12/15/17 13:00	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		12/15/17 13:00	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		12/15/17 13:00	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		12/15/17 13:00	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		12/15/17 13:00	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		12/15/17 13:00	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		12/15/17 13:00	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		12/15/17 13:00	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		12/15/17 13:00	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 13:00	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		12/15/17 13:00	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		12/15/17 13:00	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		12/15/17 13:00	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		12/15/17 13:00	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		12/15/17 13:00	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		12/15/17 13:00	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		12/15/17 13:00	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 13:00	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		12/15/17 13:00	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		12/15/17 13:00	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		12/15/17 13:00	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		12/15/17 13:00	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		12/15/17 13:00	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		12/15/17 13:00	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/15/17 13:00	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		12/15/17 13:00	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/15/17 13:00	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		12/15/17 13:00	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		12/15/17 13:00	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		12/15/17 13:00	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		12/15/17 13:00	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		12/15/17 13:00	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 13:00	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 13:00	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		12/15/17 13:00	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		12/15/17 13:00	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		12/15/17 13:00	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		12/15/17 13:00	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		12/15/17 13:00	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		12/15/17 13:00	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	83	%	61-130		1		12/15/17 13:00	460-00-4	
Dibromofluoromethane (S)	107	%	67-130		1		12/15/17 13:00	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		12/15/17 13:00	2037-26-5	

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ANALYTICAL RESULTS

Project: TD P3 4TH QTR GW

Pace Project No.: 40162386

Sample: MW-23 **Lab ID: 40162386009** Collected: 12/12/17 00:00 Received: 12/14/17 09:45 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		12/15/17 13:22	630-20-6	
1,1,1-Trichloroethane	6.3	ug/L	1.0	0.50	1		12/15/17 13:22	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		12/15/17 13:22	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		12/15/17 13:22	79-00-5	
1,1-Dichloroethane	3.0	ug/L	1.0	0.24	1		12/15/17 13:22	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/15/17 13:22	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		12/15/17 13:22	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		12/15/17 13:22	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		12/15/17 13:22	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		12/15/17 13:22	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 13:22	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		12/15/17 13:22	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		12/15/17 13:22	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 13:22	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		12/15/17 13:22	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		12/15/17 13:22	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 13:22	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 13:22	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		12/15/17 13:22	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 13:22	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		12/15/17 13:22	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		12/15/17 13:22	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		12/15/17 13:22	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		12/15/17 13:22	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		12/15/17 13:22	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		12/15/17 13:22	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		12/15/17 13:22	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		12/15/17 13:22	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		12/15/17 13:22	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		12/15/17 13:22	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 13:22	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		12/15/17 13:22	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		12/15/17 13:22	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		12/15/17 13:22	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		12/15/17 13:22	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		12/15/17 13:22	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		12/15/17 13:22	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		12/15/17 13:22	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 13:22	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		12/15/17 13:22	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		12/15/17 13:22	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		12/15/17 13:22	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		12/15/17 13:22	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		12/15/17 13:22	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		12/15/17 13:22	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/15/17 13:22	127-18-4	

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ANALYTICAL RESULTS

Project: TD P3 4TH QTR GW

Pace Project No.: 40162386

Sample: MW-23 **Lab ID: 40162386009** Collected: 12/12/17 00:00 Received: 12/14/17 09:45 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		12/15/17 13:22	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/15/17 13:22	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		12/15/17 13:22	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		12/15/17 13:22	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		12/15/17 13:22	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		12/15/17 13:22	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		12/15/17 13:22	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 13:22	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 13:22	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		12/15/17 13:22	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		12/15/17 13:22	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		12/15/17 13:22	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		12/15/17 13:22	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		12/15/17 13:22	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		12/15/17 13:22	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	84	%	61-130		1		12/15/17 13:22	460-00-4	
Dibromofluoromethane (S)	111	%	67-130		1		12/15/17 13:22	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		12/15/17 13:22	2037-26-5	

Sample: MW-25 **Lab ID: 40162386010** Collected: 12/12/17 00:00 Received: 12/14/17 09:45 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		12/15/17 11:32	630-20-6	
1,1,1-Trichloroethane	14.0	ug/L	1.0	0.50	1		12/15/17 11:32	71-55-6	
1,1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		12/15/17 11:32	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		12/15/17 11:32	79-00-5	
1,1-Dichloroethane	98.9	ug/L	1.0	0.24	1		12/15/17 11:32	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/15/17 11:32	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		12/15/17 11:32	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		12/15/17 11:32	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		12/15/17 11:32	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		12/15/17 11:32	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 11:32	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		12/15/17 11:32	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		12/15/17 11:32	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 11:32	95-50-1	
1,2-Dichloroethane	0.52J	ug/L	1.0	0.17	1		12/15/17 11:32	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		12/15/17 11:32	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 11:32	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 11:32	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		12/15/17 11:32	142-28-9	

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ANALYTICAL RESULTS

Project: TD P3 4TH QTR GW

Pace Project No.: 40162386

Sample: MW-25 **Lab ID: 40162386010** Collected: 12/12/17 00:00 Received: 12/14/17 09:45 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		12/15/17 11:32	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		12/15/17 11:32	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		12/15/17 11:32	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		12/15/17 11:32	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		12/15/17 11:32	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		12/15/17 11:32	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		12/15/17 11:32	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		12/15/17 11:32	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		12/15/17 11:32	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		12/15/17 11:32	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		12/15/17 11:32	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 11:32	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		12/15/17 11:32	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		12/15/17 11:32	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		12/15/17 11:32	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		12/15/17 11:32	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		12/15/17 11:32	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		12/15/17 11:32	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		12/15/17 11:32	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 11:32	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		12/15/17 11:32	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		12/15/17 11:32	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		12/15/17 11:32	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		12/15/17 11:32	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		12/15/17 11:32	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		12/15/17 11:32	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/15/17 11:32	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		12/15/17 11:32	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/15/17 11:32	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		12/15/17 11:32	75-69-4	
Vinyl chloride	1.3	ug/L	1.0	0.18	1		12/15/17 11:32	75-01-4	
cis-1,2-Dichloroethene	3.8	ug/L	1.0	0.26	1		12/15/17 11:32	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		12/15/17 11:32	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		12/15/17 11:32	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 11:32	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 11:32	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		12/15/17 11:32	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		12/15/17 11:32	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		12/15/17 11:32	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		12/15/17 11:32	98-06-6	
trans-1,2-Dichloroethene	0.62J	ug/L	1.0	0.26	1		12/15/17 11:32	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		12/15/17 11:32	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	82	%	61-130		1		12/15/17 11:32	460-00-4	
Dibromofluoromethane (S)	107	%	67-130		1		12/15/17 11:32	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		12/15/17 11:32	2037-26-5	

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ANALYTICAL RESULTS

Project: TD P3 4TH QTR GW

Pace Project No.: 40162386

Sample: TRIP BLANK **Lab ID: 40162386011** Collected: 12/12/17 00:00 Received: 12/14/17 09:45 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		12/15/17 13:44	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/15/17 13:44	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		12/15/17 13:44	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		12/15/17 13:44	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/15/17 13:44	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/15/17 13:44	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		12/15/17 13:44	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		12/15/17 13:44	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		12/15/17 13:44	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		12/15/17 13:44	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 13:44	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		12/15/17 13:44	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		12/15/17 13:44	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 13:44	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		12/15/17 13:44	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		12/15/17 13:44	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 13:44	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 13:44	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		12/15/17 13:44	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 13:44	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		12/15/17 13:44	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		12/15/17 13:44	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		12/15/17 13:44	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		12/15/17 13:44	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		12/15/17 13:44	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		12/15/17 13:44	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		12/15/17 13:44	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		12/15/17 13:44	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		12/15/17 13:44	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		12/15/17 13:44	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 13:44	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		12/15/17 13:44	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		12/15/17 13:44	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		12/15/17 13:44	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		12/15/17 13:44	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		12/15/17 13:44	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		12/15/17 13:44	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		12/15/17 13:44	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 13:44	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		12/15/17 13:44	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		12/15/17 13:44	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		12/15/17 13:44	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		12/15/17 13:44	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		12/15/17 13:44	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		12/15/17 13:44	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/15/17 13:44	127-18-4	

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ANALYTICAL RESULTS

Project: TD P3 4TH QTR GW

Pace Project No.: 40162386

Sample: TRIP BLANK **Lab ID: 40162386011** Collected: 12/12/17 00:00 Received: 12/14/17 09:45 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		12/15/17 13:44	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/15/17 13:44	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		12/15/17 13:44	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		12/15/17 13:44	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		12/15/17 13:44	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		12/15/17 13:44	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		12/15/17 13:44	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 13:44	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		12/15/17 13:44	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		12/15/17 13:44	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		12/15/17 13:44	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		12/15/17 13:44	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		12/15/17 13:44	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		12/15/17 13:44	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		12/15/17 13:44	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	81	%	61-130		1		12/15/17 13:44	460-00-4	
Dibromofluoromethane (S)	109	%	67-130		1		12/15/17 13:44	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		12/15/17 13:44	2037-26-5	

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QUALITY CONTROL DATA

Project: TD P3 4TH QTR GW
Pace Project No.: 40162386

QC Batch: 277173 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40162386001, 40162386002, 40162386003, 40162386004, 40162386005, 40162386006, 40162386007, 40162386008, 40162386009, 40162386010, 40162386011

METHOD BLANK: 1629459 Matrix: Water
Associated Lab Samples: 40162386001, 40162386002, 40162386003, 40162386004, 40162386005, 40162386006, 40162386007, 40162386008, 40162386009, 40162386010, 40162386011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	12/15/17 07:52	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	12/15/17 07:52	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	12/15/17 07:52	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	12/15/17 07:52	
1,1-Dichloroethane	ug/L	<0.24	1.0	12/15/17 07:52	
1,1-Dichloroethene	ug/L	<0.41	1.0	12/15/17 07:52	
1,1-Dichloropropene	ug/L	<0.44	1.0	12/15/17 07:52	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	12/15/17 07:52	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	12/15/17 07:52	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	12/15/17 07:52	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	12/15/17 07:52	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	12/15/17 07:52	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	12/15/17 07:52	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	12/15/17 07:52	
1,2-Dichloroethane	ug/L	<0.17	1.0	12/15/17 07:52	
1,2-Dichloropropane	ug/L	<0.23	1.0	12/15/17 07:52	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	12/15/17 07:52	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	12/15/17 07:52	
1,3-Dichloropropane	ug/L	<0.50	1.0	12/15/17 07:52	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	12/15/17 07:52	
2,2-Dichloropropane	ug/L	<0.48	1.0	12/15/17 07:52	
2-Chlorotoluene	ug/L	<0.50	1.0	12/15/17 07:52	
4-Chlorotoluene	ug/L	<0.21	1.0	12/15/17 07:52	
Benzene	ug/L	<0.50	1.0	12/15/17 07:52	
Bromobenzene	ug/L	<0.23	1.0	12/15/17 07:52	
Bromochloromethane	ug/L	<0.34	1.0	12/15/17 07:52	
Bromodichloromethane	ug/L	<0.50	1.0	12/15/17 07:52	
Bromoform	ug/L	<0.50	1.0	12/15/17 07:52	
Bromomethane	ug/L	<2.4	5.0	12/15/17 07:52	
Carbon tetrachloride	ug/L	<0.50	1.0	12/15/17 07:52	
Chlorobenzene	ug/L	<0.50	1.0	12/15/17 07:52	
Chloroethane	ug/L	<0.37	1.0	12/15/17 07:52	
Chloroform	ug/L	<2.5	5.0	12/15/17 07:52	
Chloromethane	ug/L	<0.50	1.0	12/15/17 07:52	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	12/15/17 07:52	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	12/15/17 07:52	
Dibromochloromethane	ug/L	<0.50	1.0	12/15/17 07:52	
Dibromomethane	ug/L	<0.43	1.0	12/15/17 07:52	
Dichlorodifluoromethane	ug/L	<0.22	1.0	12/15/17 07:52	
Diisopropyl ether	ug/L	<0.50	1.0	12/15/17 07:52	

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 4TH QTR GW

Pace Project No.: 40162386

METHOD BLANK: 1629459

Matrix: Water

Associated Lab Samples: 40162386001, 40162386002, 40162386003, 40162386004, 40162386005, 40162386006, 40162386007, 40162386008, 40162386009, 40162386010, 40162386011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.50	1.0	12/15/17 07:52	
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	12/15/17 07:52	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	12/15/17 07:52	
m&p-Xylene	ug/L	<1.0	2.0	12/15/17 07:52	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	12/15/17 07:52	
Methylene Chloride	ug/L	<0.23	1.0	12/15/17 07:52	
n-Butylbenzene	ug/L	<0.50	1.0	12/15/17 07:52	
n-Propylbenzene	ug/L	<0.50	1.0	12/15/17 07:52	
Naphthalene	ug/L	<2.5	5.0	12/15/17 07:52	
o-Xylene	ug/L	<0.50	1.0	12/15/17 07:52	
p-Isopropyltoluene	ug/L	<0.50	1.0	12/15/17 07:52	
sec-Butylbenzene	ug/L	<2.2	5.0	12/15/17 07:52	
Styrene	ug/L	<0.50	1.0	12/15/17 07:52	
tert-Butylbenzene	ug/L	<0.18	1.0	12/15/17 07:52	
Tetrachloroethene	ug/L	<0.50	1.0	12/15/17 07:52	
Toluene	ug/L	<0.50	1.0	12/15/17 07:52	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	12/15/17 07:52	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	12/15/17 07:52	
Trichloroethene	ug/L	<0.33	1.0	12/15/17 07:52	
Trichlorofluoromethane	ug/L	<0.18	1.0	12/15/17 07:52	
Vinyl chloride	ug/L	<0.18	1.0	12/15/17 07:52	
4-Bromofluorobenzene (S)	%	86	61-130	12/15/17 07:52	
Dibromofluoromethane (S)	%	106	67-130	12/15/17 07:52	
Toluene-d8 (S)	%	107	70-130	12/15/17 07:52	

LABORATORY CONTROL SAMPLE: 1629460

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	60.4	121	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	56.4	113	70-130	
1,1,2-Trichloroethane	ug/L	50	58.1	116	70-130	
1,1-Dichloroethane	ug/L	50	53.7	107	71-132	
1,1-Dichloroethene	ug/L	50	55.8	112	75-130	
1,2,4-Trichlorobenzene	ug/L	50	36.4	73	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	52.0	104	63-123	
1,2-Dibromoethane (EDB)	ug/L	50	55.3	111	70-130	
1,2-Dichlorobenzene	ug/L	50	45.3	91	70-130	
1,2-Dichloroethane	ug/L	50	55.5	111	70-131	
1,2-Dichloropropane	ug/L	50	56.9	114	80-120	
1,3-Dichlorobenzene	ug/L	50	47.2	94	70-130	
1,4-Dichlorobenzene	ug/L	50	47.7	95	70-130	
Benzene	ug/L	50	58.3	117	73-145	
Bromodichloromethane	ug/L	50	56.7	113	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TD P3 4TH QTR GW
Pace Project No.: 40162386

LABORATORY CONTROL SAMPLE: 1629460

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/L	50	51.6	103	67-130	
Bromomethane	ug/L	50	41.6	83	26-128	
Carbon tetrachloride	ug/L	50	60.9	122	70-133	
Chlorobenzene	ug/L	50	55.9	112	70-130	
Chloroethane	ug/L	50	47.2	94	58-120	
Chloroform	ug/L	50	56.0	112	80-121	
Chloromethane	ug/L	50	44.9	90	40-127	
cis-1,2-Dichloroethene	ug/L	50	48.3	97	70-130	
cis-1,3-Dichloropropene	ug/L	50	53.2	106	70-130	
Dibromochloromethane	ug/L	50	58.3	117	70-130	
Dichlorodifluoromethane	ug/L	50	43.8	88	20-135	
Ethylbenzene	ug/L	50	58.8	118	87-129	
Isopropylbenzene (Cumene)	ug/L	50	56.5	113	70-130	
m&p-Xylene	ug/L	100	116	116	70-130	
Methyl-tert-butyl ether	ug/L	50	52.9	106	66-143	
Methylene Chloride	ug/L	50	51.5	103	70-130	
o-Xylene	ug/L	50	56.6	113	70-130	
Styrene	ug/L	50	52.2	104	70-130	
Tetrachloroethene	ug/L	50	54.2	108	70-130	
Toluene	ug/L	50	58.5	117	82-130	
trans-1,2-Dichloroethene	ug/L	50	53.9	108	75-132	
trans-1,3-Dichloropropene	ug/L	50	54.5	109	70-130	
Trichloroethene	ug/L	50	56.0	112	70-130	
Trichlorofluoromethane	ug/L	50	53.7	107	76-133	
Vinyl chloride	ug/L	50	52.9	106	57-136	
4-Bromofluorobenzene (S)	%			106	61-130	
Dibromofluoromethane (S)	%			106	67-130	
Toluene-d8 (S)	%			108	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1629952 1629953

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40162380002 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
1,1,1-Trichloroethane	ug/L	<0.50	50	50	61.2	61.8	122	124	70-134	1	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	60.6	58.6	121	117	70-130	3	20	
1,1,2-Trichloroethane	ug/L	<0.20	50	50	59.3	58.2	119	116	70-130	2	20	
1,1-Dichloroethane	ug/L	<0.24	50	50	57.0	55.4	114	111	71-133	3	20	
1,1-Dichloroethene	ug/L	<0.41	50	50	57.5	58.3	115	117	75-136	1	20	
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	41.8	40.2	84	80	70-130	4	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	58.7	55.8	117	112	63-123	5	20	
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	58.1	56.4	116	113	70-130	3	20	
1,2-Dichlorobenzene	ug/L	<0.50	50	50	49.0	47.5	98	95	70-130	3	20	
1,2-Dichloroethane	ug/L	<0.17	50	50	56.3	58.2	113	116	70-131	3	20	
1,2-Dichloropropane	ug/L	<0.23	50	50	58.9	60.6	118	121	80-120	3	20	M1

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QUALITY CONTROL DATA

Project: TD P3 4TH QTR GW

Pace Project No.: 40162386

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1629952		1629953		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		40162380002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
1,3-Dichlorobenzene	ug/L	<0.50	50	50	50.3	48.8	101	98	70-130	3	20		
1,4-Dichlorobenzene	ug/L	<0.50	50	50	51.6	49.9	103	100	70-130	3	20		
Benzene	ug/L	<0.50	50	50	60.7	60.4	121	121	73-145	0	20		
Bromodichloromethane	ug/L	<0.50	50	50	58.2	59.4	116	119	70-130	2	20		
Bromoform	ug/L	<0.50	50	50	53.6	51.7	107	103	67-130	4	20		
Bromomethane	ug/L	<2.4	50	50	44.1	47.7	88	95	26-129	8	20		
Carbon tetrachloride	ug/L	<0.50	50	50	62.7	63.6	125	127	70-134	1	20		
Chlorobenzene	ug/L	<0.50	50	50	57.7	55.3	115	111	70-130	4	20		
Chloroethane	ug/L	<0.37	50	50	47.8	52.1	96	104	58-120	9	20		
Chloroform	ug/L	<2.5	50	50	57.8	58.7	116	117	80-121	2	20		
Chloromethane	ug/L	<0.50	50	50	47.1	46.4	94	93	40-128	1	20		
cis-1,2-Dichloroethene	ug/L	<0.26	50	50	52.3	50.7	105	101	70-130	3	20		
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	54.2	56.2	108	112	70-130	3	20		
Dibromochloromethane	ug/L	<0.50	50	50	59.8	57.8	120	116	70-130	3	20		
Dichlorodifluoromethane	ug/L	<0.22	50	50	45.0	45.8	90	92	20-146	2	20		
Ethylbenzene	ug/L	<0.50	50	50	60.4	59.0	121	118	87-129	2	20		
Isopropylbenzene (Cumene)	ug/L	<0.14	50	50	58.9	56.4	118	113	70-130	4	20		
m&p-Xylene	ug/L	<1.0	100	100	122	117	122	117	70-130	4	20		
Methyl-tert-butyl ether	ug/L	<0.17	50	50	55.6	56.0	111	112	66-143	1	20		
Methylene Chloride	ug/L	<0.23	50	50	52.5	52.5	105	105	70-130	0	20		
o-Xylene	ug/L	<0.50	50	50	58.7	56.2	117	112	70-130	4	20		
Styrene	ug/L	<0.50	50	50	54.2	52.7	108	105	70-130	3	20		
Tetrachloroethene	ug/L	<0.50	50	50	55.7	54.0	111	108	70-130	3	20		
Toluene	ug/L	<0.50	50	50	60.5	57.8	121	116	82-131	4	20		
trans-1,2-Dichloroethene	ug/L	<0.26	50	50	56.1	56.6	112	113	75-135	1	20		
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	57.9	55.1	116	110	70-130	5	20		
Trichloroethene	ug/L	<0.33	50	50	58.1	59.7	116	119	70-130	3	20		
Trichlorofluoromethane	ug/L	<0.18	50	50	55.8	53.9	112	108	76-150	3	20		
Vinyl chloride	ug/L	<0.18	50	50	53.7	54.3	107	109	56-143	1	20		
4-Bromofluorobenzene (S)	%						106	102	61-130				
Dibromofluoromethane (S)	%						106	106	67-130				
Toluene-d8 (S)	%						108	99	70-130				

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: TD P3 4TH QTR GW

Pace Project No.: 40162386

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

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: TD P3 4TH QTR GW

Pace Project No.: 40162386

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40162386001	MW-1	EPA 8260	277173		
40162386002	MW-2	EPA 8260	277173		
40162386003	MW-6	EPA 8260	277173		
40162386004	MW-7	EPA 8260	277173		
40162386005	MW-9	EPA 8260	277173		
40162386006	MW-10	EPA 8260	277173		
40162386007	MW-17	EPA 8260	277173		
40162386008	MW-22	EPA 8260	277173		
40162386009	MW-23	EPA 8260	277173		
40162386010	MW-25	EPA 8260	277173		
40162386011	TRIP BLANK	EPA 8260	277173		

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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.

Handwritten signature

Page: 1 of 1

40162386

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Environmental Audits Inc.	Report To:	jrueztz@yahoo.com	Attention:	John Ruetz
Address:	11327 W Lincoln Avenue West Allis WI 53051	Copy To:	eerlil@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 4th Qtr GW	Pace Quote Reference:	Pace Project Manager
Requested Due Date/TAT:		Project Number:		Pace Profile #:	
REGULATORY AGENCY			Requested Analysis Filtered (Y/N)		
<input type="checkbox"/> NPDES <input type="checkbox"/> UST <input type="checkbox"/> STATE:			<input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER		
Site Location			WI		

ITEM #	Section D Required Client Information	Valid Matrix Codes DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOIL/SOLID SL OIL OL WIPE WIP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	DATE	TIME	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	Analysis Test	Y/N	N	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)		
																								COLLECTED	COMPOSITE START
1	DD1 MW - 1		GW	G	12/12/17					3															
2	DD2 MW - 2		GW	G	12/12/17					3															
3	DD3 MW - 6		GW	G	12/12/17					3															
4	DD4 MW - 7		GW	G	12/12/17					3															
5	DD5 MW - 9		GW	G	12/12/17					3															
6	DD6 MW - 10		GW	G	12/12/17					3															
7	DD7 MW - 17		GW	G	12/12/17					3															
8	DD8 MW - 22		GW	G	12/12/17					3															
9	DD9 MW - 23		GW	G	12/12/17					3															
10	DD0 MW - 25		GW	G	12/12/17					3															
11	DD1 OTHER BAKR																								
12																									

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Stephanie Wagner	12/12/17		Mary Timmin	12/13/17	1500	3-40ML B
CS LOGISTICS	12/14/17	0945	RACHEL WOOD	12/14/17	0945	2-40ML B

SAMPLER NAME AND SIGNATURE		DATE Signed
PRINT Name of SAMPLER: Stephanie Wagner		(MM/DD/YY): 12/12/17
SIGNATURE of SAMPLER: <i>Stephanie Wagner</i>		

Speciated with sample, added by 10/10 AM 12/11/17

*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, LLC. - Green Bay WI
1241 Bellevue Street, Suite 9
Green Bay, WI 54302



Project #:

WO#: 40162386



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: _____ / Corr: 201 Biological Tissue is Frozen: yes no

Temp Blank Present: yes no

Person examining contents:
Date: 12/14/17
Initials: RM

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 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 times. RM 12/14/17
Chain of Custody Relinquished:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	8. NO ms/MSD RM 12/14/17
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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14. CS3 x2 RM 12/14/17
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>386</u>		

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

Project Manager Review: Arthur DM Date: 12-14-17

July 31, 2017

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

RE: Project: TD P3 3RD QTR GW
Pace Project No.: 40153939

Dear Ed Raymond:

Enclosed are the analytical results for sample(s) received by the laboratory on July 27, 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 3RD QTR GW

Pace Project No.: 40153939

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 3RD QTR GW

Pace Project No.: 40153939

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40153939001	MW-402 N	Water	07/25/17 00:00	07/27/17 09:30
40153939002	MW-11	Water	07/25/17 00:00	07/27/17 09:30
40153939003	MW-12	Water	07/25/17 00:00	07/27/17 09:30
40153939004	MW-13	Water	07/25/17 00:00	07/27/17 09:30
40153939005	MW-14	Water	07/25/17 00:00	07/27/17 09:30
40153939006	MW-16	Water	07/25/17 00:00	07/27/17 09:30
40153939007	MW-19	Water	07/25/17 00:00	07/27/17 09:30
40153939008	TRIP BLANK	Water	07/25/17 00:00	07/27/17 09:30

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SAMPLE ANALYTE COUNT

Project: TD P3 3RD QTR GW

Pace Project No.: 40153939

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40153939001	MW-402 N	EPA 8260	LAP	64
40153939002	MW-11	EPA 8260	LAP	64
40153939003	MW-12	EPA 8260	LAP	64
40153939004	MW-13	EPA 8260	LAP	64
40153939005	MW-14	EPA 8260	LAP	64
40153939006	MW-16	EPA 8260	LAP	64
40153939007	MW-19	EPA 8260	LAP	64
40153939008	TRIP BLANK	EPA 8260	LAP	64

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ANALYTICAL RESULTS

Project: TD P3 3RD QTR GW

Pace Project No.: 40153939

Sample: MW-402 N **Lab ID: 40153939001** Collected: 07/25/17 00:00 Received: 07/27/17 09:30 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		07/28/17 17:03	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		07/28/17 17:03	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		07/28/17 17:03	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		07/28/17 17:03	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		07/28/17 17:03	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		07/28/17 17:03	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		07/28/17 17:03	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		07/28/17 17:03	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		07/28/17 17:03	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		07/28/17 17:03	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/28/17 17:03	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		07/28/17 17:03	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		07/28/17 17:03	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/28/17 17:03	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		07/28/17 17:03	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		07/28/17 17:03	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/28/17 17:03	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/28/17 17:03	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		07/28/17 17:03	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/28/17 17:03	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		07/28/17 17:03	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		07/28/17 17:03	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		07/28/17 17:03	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		07/28/17 17:03	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		07/28/17 17:03	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		07/28/17 17:03	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		07/28/17 17:03	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		07/28/17 17:03	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		07/28/17 17:03	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		07/28/17 17:03	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		07/28/17 17:03	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		07/28/17 17:03	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		07/28/17 17:03	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		07/28/17 17:03	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		07/28/17 17:03	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		07/28/17 17:03	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		07/28/17 17:03	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		07/28/17 17:03	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		07/28/17 17:03	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		07/28/17 17:03	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		07/28/17 17:03	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		07/28/17 17:03	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		07/28/17 17:03	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		07/28/17 17:03	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		07/28/17 17:03	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		07/28/17 17:03	127-18-4	

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ANALYTICAL RESULTS

Project: TD P3 3RD QTR GW

Pace Project No.: 40153939

Sample: MW-402 N **Lab ID: 40153939001** Collected: 07/25/17 00:00 Received: 07/27/17 09:30 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		07/28/17 17:03	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		07/28/17 17:03	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		07/28/17 17:03	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		07/28/17 17:03	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/28/17 17:03	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		07/28/17 17:03	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		07/28/17 17:03	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		07/28/17 17:03	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		07/28/17 17:03	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		07/28/17 17:03	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		07/28/17 17:03	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		07/28/17 17:03	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		07/28/17 17:03	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/28/17 17:03	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		07/28/17 17:03	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	61-130		1		07/28/17 17:03	460-00-4	HS
Dibromofluoromethane (S)	105	%	67-130		1		07/28/17 17:03	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		07/28/17 17:03	2037-26-5	

Sample: MW-11 **Lab ID: 40153939002** Collected: 07/25/17 00:00 Received: 07/27/17 09:30 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		07/28/17 11:54	630-20-6	
1,1,1-Trichloroethane	68.3	ug/L	2.5	1.2	2.5		07/28/17 11:54	71-55-6	
1,1,1,2,2-Tetrachloroethane	<0.62	ug/L	2.5	0.62	2.5		07/28/17 11:54	79-34-5	
1,1,2-Trichloroethane	<0.49	ug/L	2.5	0.49	2.5		07/28/17 11:54	79-00-5	
1,1-Dichloroethane	78.0	ug/L	2.5	0.60	2.5		07/28/17 11:54	75-34-3	
1,1-Dichloroethene	4.8	ug/L	2.5	1.0	2.5		07/28/17 11:54	75-35-4	
1,1-Dichloropropene	<1.1	ug/L	2.5	1.1	2.5		07/28/17 11:54	563-58-6	
1,2,3-Trichlorobenzene	<5.3	ug/L	12.5	5.3	2.5		07/28/17 11:54	87-61-6	
1,2,3-Trichloropropane	<1.2	ug/L	2.5	1.2	2.5		07/28/17 11:54	96-18-4	
1,2,4-Trichlorobenzene	<5.5	ug/L	12.5	5.5	2.5		07/28/17 11:54	120-82-1	
1,2,4-Trimethylbenzene	<1.2	ug/L	2.5	1.2	2.5		07/28/17 11:54	95-63-6	
1,2-Dibromo-3-chloropropane	<5.4	ug/L	12.5	5.4	2.5		07/28/17 11:54	96-12-8	
1,2-Dibromoethane (EDB)	<0.44	ug/L	2.5	0.44	2.5		07/28/17 11:54	106-93-4	
1,2-Dichlorobenzene	<1.2	ug/L	2.5	1.2	2.5		07/28/17 11:54	95-50-1	
1,2-Dichloroethane	<0.42	ug/L	2.5	0.42	2.5		07/28/17 11:54	107-06-2	
1,2-Dichloropropane	<0.58	ug/L	2.5	0.58	2.5		07/28/17 11:54	78-87-5	
1,3,5-Trimethylbenzene	<1.2	ug/L	2.5	1.2	2.5		07/28/17 11:54	108-67-8	
1,3-Dichlorobenzene	<1.2	ug/L	2.5	1.2	2.5		07/28/17 11:54	541-73-1	
1,3-Dichloropropane	<1.2	ug/L	2.5	1.2	2.5		07/28/17 11:54	142-28-9	

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ANALYTICAL RESULTS

Project: TD P3 3RD QTR GW

Pace Project No.: 40153939

Sample: MW-11 **Lab ID: 40153939002** Collected: 07/25/17 00:00 Received: 07/27/17 09:30 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		07/28/17 11:54	106-46-7	
2,2-Dichloropropane	<1.2	ug/L	2.5	1.2	2.5		07/28/17 11:54	594-20-7	
2-Chlorotoluene	<1.2	ug/L	2.5	1.2	2.5		07/28/17 11:54	95-49-8	
4-Chlorotoluene	<0.53	ug/L	2.5	0.53	2.5		07/28/17 11:54	106-43-4	
Benzene	<1.2	ug/L	2.5	1.2	2.5		07/28/17 11:54	71-43-2	
Bromobenzene	<0.58	ug/L	2.5	0.58	2.5		07/28/17 11:54	108-86-1	
Bromochloromethane	<0.85	ug/L	2.5	0.85	2.5		07/28/17 11:54	74-97-5	
Bromodichloromethane	<1.2	ug/L	2.5	1.2	2.5		07/28/17 11:54	75-27-4	
Bromoform	<1.2	ug/L	2.5	1.2	2.5		07/28/17 11:54	75-25-2	
Bromomethane	<6.1	ug/L	12.5	6.1	2.5		07/28/17 11:54	74-83-9	
Carbon tetrachloride	<1.2	ug/L	2.5	1.2	2.5		07/28/17 11:54	56-23-5	
Chlorobenzene	<1.2	ug/L	2.5	1.2	2.5		07/28/17 11:54	108-90-7	
Chloroethane	10.2	ug/L	2.5	0.94	2.5		07/28/17 11:54	75-00-3	
Chloroform	<6.2	ug/L	12.5	6.2	2.5		07/28/17 11:54	67-66-3	
Chloromethane	<1.2	ug/L	2.5	1.2	2.5		07/28/17 11:54	74-87-3	
Dibromochloromethane	<1.2	ug/L	2.5	1.2	2.5		07/28/17 11:54	124-48-1	
Dibromomethane	<1.1	ug/L	2.5	1.1	2.5		07/28/17 11:54	74-95-3	
Dichlorodifluoromethane	<0.56	ug/L	2.5	0.56	2.5		07/28/17 11:54	75-71-8	
Diisopropyl ether	<1.2	ug/L	2.5	1.2	2.5		07/28/17 11:54	108-20-3	
Ethylbenzene	<1.2	ug/L	2.5	1.2	2.5		07/28/17 11:54	100-41-4	
Hexachloro-1,3-butadiene	<5.3	ug/L	12.5	5.3	2.5		07/28/17 11:54	87-68-3	
Isopropylbenzene (Cumene)	<0.36	ug/L	2.5	0.36	2.5		07/28/17 11:54	98-82-8	
Methyl-tert-butyl ether	<0.44	ug/L	2.5	0.44	2.5		07/28/17 11:54	1634-04-4	
Methylene Chloride	0.79J	ug/L	2.5	0.58	2.5		07/28/17 11:54	75-09-2	
Naphthalene	<6.2	ug/L	12.5	6.2	2.5		07/28/17 11:54	91-20-3	
Styrene	<1.2	ug/L	2.5	1.2	2.5		07/28/17 11:54	100-42-5	
Tetrachloroethene	3.0	ug/L	2.5	1.2	2.5		07/28/17 11:54	127-18-4	
Toluene	<1.2	ug/L	2.5	1.2	2.5		07/28/17 11:54	108-88-3	
Trichloroethene	6.1	ug/L	2.5	0.83	2.5		07/28/17 11:54	79-01-6	
Trichlorofluoromethane	<0.46	ug/L	2.5	0.46	2.5		07/28/17 11:54	75-69-4	
Vinyl chloride	1.4J	ug/L	2.5	0.44	2.5		07/28/17 11:54	75-01-4	
cis-1,2-Dichloroethene	168	ug/L	2.5	0.64	2.5		07/28/17 11:54	156-59-2	
cis-1,3-Dichloropropene	<1.2	ug/L	2.5	1.2	2.5		07/28/17 11:54	10061-01-5	
m&p-Xylene	<2.5	ug/L	5.0	2.5	2.5		07/28/17 11:54	179601-23-1	
n-Butylbenzene	<1.2	ug/L	2.5	1.2	2.5		07/28/17 11:54	104-51-8	
n-Propylbenzene	<1.2	ug/L	2.5	1.2	2.5		07/28/17 11:54	103-65-1	
o-Xylene	<1.2	ug/L	2.5	1.2	2.5		07/28/17 11:54	95-47-6	
p-Isopropyltoluene	<1.2	ug/L	2.5	1.2	2.5		07/28/17 11:54	99-87-6	
sec-Butylbenzene	<5.5	ug/L	12.5	5.5	2.5		07/28/17 11:54	135-98-8	
tert-Butylbenzene	<0.45	ug/L	2.5	0.45	2.5		07/28/17 11:54	98-06-6	
trans-1,2-Dichloroethene	7.9	ug/L	2.5	0.64	2.5		07/28/17 11:54	156-60-5	
trans-1,3-Dichloropropene	<0.57	ug/L	2.5	0.57	2.5		07/28/17 11:54	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	61-130		2.5		07/28/17 11:54	460-00-4	
Dibromofluoromethane (S)	107	%	67-130		2.5		07/28/17 11:54	1868-53-7	
Toluene-d8 (S)	103	%	70-130		2.5		07/28/17 11:54	2037-26-5	

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ANALYTICAL RESULTS

Project: TD P3 3RD QTR GW

Pace Project No.: 40153939

Sample: MW-12 **Lab ID: 40153939003** Collected: 07/25/17 00:00 Received: 07/27/17 09:30 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		07/31/17 09:24	630-20-6	
1,1,1-Trichloroethane	11.0	ug/L	2.5	1.2	2.5		07/31/17 09:24	71-55-6	
1,1,2,2-Tetrachloroethane	<0.62	ug/L	2.5	0.62	2.5		07/31/17 09:24	79-34-5	
1,1,2-Trichloroethane	<0.49	ug/L	2.5	0.49	2.5		07/31/17 09:24	79-00-5	
1,1-Dichloroethane	21.4	ug/L	2.5	0.60	2.5		07/31/17 09:24	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	2.5	1.0	2.5		07/31/17 09:24	75-35-4	
1,1-Dichloropropene	<1.1	ug/L	2.5	1.1	2.5		07/31/17 09:24	563-58-6	
1,2,3-Trichlorobenzene	<5.3	ug/L	12.5	5.3	2.5		07/31/17 09:24	87-61-6	
1,2,3-Trichloropropane	<1.2	ug/L	2.5	1.2	2.5		07/31/17 09:24	96-18-4	
1,2,4-Trichlorobenzene	<5.5	ug/L	12.5	5.5	2.5		07/31/17 09:24	120-82-1	
1,2,4-Trimethylbenzene	<1.2	ug/L	2.5	1.2	2.5		07/31/17 09:24	95-63-6	
1,2-Dibromo-3-chloropropane	<5.4	ug/L	12.5	5.4	2.5		07/31/17 09:24	96-12-8	
1,2-Dibromoethane (EDB)	<0.44	ug/L	2.5	0.44	2.5		07/31/17 09:24	106-93-4	
1,2-Dichlorobenzene	<1.2	ug/L	2.5	1.2	2.5		07/31/17 09:24	95-50-1	
1,2-Dichloroethane	<0.42	ug/L	2.5	0.42	2.5		07/31/17 09:24	107-06-2	
1,2-Dichloropropane	<0.58	ug/L	2.5	0.58	2.5		07/31/17 09:24	78-87-5	
1,3,5-Trimethylbenzene	<1.2	ug/L	2.5	1.2	2.5		07/31/17 09:24	108-67-8	
1,3-Dichlorobenzene	<1.2	ug/L	2.5	1.2	2.5		07/31/17 09:24	541-73-1	
1,3-Dichloropropane	<1.2	ug/L	2.5	1.2	2.5		07/31/17 09:24	142-28-9	
1,4-Dichlorobenzene	<1.2	ug/L	2.5	1.2	2.5		07/31/17 09:24	106-46-7	
2,2-Dichloropropane	<1.2	ug/L	2.5	1.2	2.5		07/31/17 09:24	594-20-7	
2-Chlorotoluene	<1.2	ug/L	2.5	1.2	2.5		07/31/17 09:24	95-49-8	
4-Chlorotoluene	<0.53	ug/L	2.5	0.53	2.5		07/31/17 09:24	106-43-4	
Benzene	<1.2	ug/L	2.5	1.2	2.5		07/31/17 09:24	71-43-2	
Bromobenzene	<0.58	ug/L	2.5	0.58	2.5		07/31/17 09:24	108-86-1	
Bromochloromethane	<0.85	ug/L	2.5	0.85	2.5		07/31/17 09:24	74-97-5	
Bromodichloromethane	<1.2	ug/L	2.5	1.2	2.5		07/31/17 09:24	75-27-4	
Bromoform	<1.2	ug/L	2.5	1.2	2.5		07/31/17 09:24	75-25-2	
Bromomethane	<6.1	ug/L	12.5	6.1	2.5		07/31/17 09:24	74-83-9	
Carbon tetrachloride	<1.2	ug/L	2.5	1.2	2.5		07/31/17 09:24	56-23-5	
Chlorobenzene	<1.2	ug/L	2.5	1.2	2.5		07/31/17 09:24	108-90-7	
Chloroethane	2.7	ug/L	2.5	0.94	2.5		07/31/17 09:24	75-00-3	
Chloroform	<6.2	ug/L	12.5	6.2	2.5		07/31/17 09:24	67-66-3	
Chloromethane	<1.2	ug/L	2.5	1.2	2.5		07/31/17 09:24	74-87-3	
Dibromochloromethane	<1.2	ug/L	2.5	1.2	2.5		07/31/17 09:24	124-48-1	
Dibromomethane	<1.1	ug/L	2.5	1.1	2.5		07/31/17 09:24	74-95-3	
Dichlorodifluoromethane	<0.56	ug/L	2.5	0.56	2.5		07/31/17 09:24	75-71-8	
Diisopropyl ether	<1.2	ug/L	2.5	1.2	2.5		07/31/17 09:24	108-20-3	
Ethylbenzene	<1.2	ug/L	2.5	1.2	2.5		07/31/17 09:24	100-41-4	
Hexachloro-1,3-butadiene	<5.3	ug/L	12.5	5.3	2.5		07/31/17 09:24	87-68-3	
Isopropylbenzene (Cumene)	<0.36	ug/L	2.5	0.36	2.5		07/31/17 09:24	98-82-8	
Methyl-tert-butyl ether	<0.44	ug/L	2.5	0.44	2.5		07/31/17 09:24	1634-04-4	
Methylene Chloride	0.67J	ug/L	2.5	0.58	2.5		07/31/17 09:24	75-09-2	
Naphthalene	<6.2	ug/L	12.5	6.2	2.5		07/31/17 09:24	91-20-3	
Styrene	<1.2	ug/L	2.5	1.2	2.5		07/31/17 09:24	100-42-5	
Tetrachloroethene	<1.2	ug/L	2.5	1.2	2.5		07/31/17 09:24	127-18-4	

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ANALYTICAL RESULTS

Project: TD P3 3RD QTR GW

Pace Project No.: 40153939

Sample: MW-12 **Lab ID: 40153939003** Collected: 07/25/17 00:00 Received: 07/27/17 09:30 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		07/31/17 09:24	108-88-3	
Trichloroethene	<0.83	ug/L	2.5	0.83	2.5		07/31/17 09:24	79-01-6	
Trichlorofluoromethane	<0.46	ug/L	2.5	0.46	2.5		07/31/17 09:24	75-69-4	
Vinyl chloride	<0.44	ug/L	2.5	0.44	2.5		07/31/17 09:24	75-01-4	
cis-1,2-Dichloroethene	2.8	ug/L	2.5	0.64	2.5		07/31/17 09:24	156-59-2	
cis-1,3-Dichloropropene	<1.2	ug/L	2.5	1.2	2.5		07/31/17 09:24	10061-01-5	
m&p-Xylene	<2.5	ug/L	5.0	2.5	2.5		07/31/17 09:24	179601-23-1	
n-Butylbenzene	<1.2	ug/L	2.5	1.2	2.5		07/31/17 09:24	104-51-8	
n-Propylbenzene	<1.2	ug/L	2.5	1.2	2.5		07/31/17 09:24	103-65-1	
o-Xylene	<1.2	ug/L	2.5	1.2	2.5		07/31/17 09:24	95-47-6	
p-Isopropyltoluene	<1.2	ug/L	2.5	1.2	2.5		07/31/17 09:24	99-87-6	
sec-Butylbenzene	<5.5	ug/L	12.5	5.5	2.5		07/31/17 09:24	135-98-8	
tert-Butylbenzene	<0.45	ug/L	2.5	0.45	2.5		07/31/17 09:24	98-06-6	
trans-1,2-Dichloroethene	<0.64	ug/L	2.5	0.64	2.5		07/31/17 09:24	156-60-5	
trans-1,3-Dichloropropene	<0.57	ug/L	2.5	0.57	2.5		07/31/17 09:24	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	61-130		2.5		07/31/17 09:24	460-00-4	D3
Dibromofluoromethane (S)	103	%	67-130		2.5		07/31/17 09:24	1868-53-7	
Toluene-d8 (S)	100	%	70-130		2.5		07/31/17 09:24	2037-26-5	

Sample: MW-13 **Lab ID: 40153939004** Collected: 07/25/17 00:00 Received: 07/27/17 09:30 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		07/28/17 17:25	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		07/28/17 17:25	71-55-6	
1,1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		07/28/17 17:25	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		07/28/17 17:25	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		07/28/17 17:25	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		07/28/17 17:25	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		07/28/17 17:25	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		07/28/17 17:25	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		07/28/17 17:25	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		07/28/17 17:25	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/28/17 17:25	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		07/28/17 17:25	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		07/28/17 17:25	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/28/17 17:25	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		07/28/17 17:25	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		07/28/17 17:25	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/28/17 17:25	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/28/17 17:25	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		07/28/17 17:25	142-28-9	

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ANALYTICAL RESULTS

Project: TD P3 3RD QTR GW

Pace Project No.: 40153939

Sample: MW-13 **Lab ID: 40153939004** Collected: 07/25/17 00:00 Received: 07/27/17 09:30 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		07/28/17 17:25	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		07/28/17 17:25	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		07/28/17 17:25	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		07/28/17 17:25	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		07/28/17 17:25	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		07/28/17 17:25	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		07/28/17 17:25	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		07/28/17 17:25	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		07/28/17 17:25	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		07/28/17 17:25	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		07/28/17 17:25	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		07/28/17 17:25	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		07/28/17 17:25	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		07/28/17 17:25	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		07/28/17 17:25	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		07/28/17 17:25	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		07/28/17 17:25	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		07/28/17 17:25	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		07/28/17 17:25	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		07/28/17 17:25	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		07/28/17 17:25	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		07/28/17 17:25	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		07/28/17 17:25	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		07/28/17 17:25	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		07/28/17 17:25	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		07/28/17 17:25	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		07/28/17 17:25	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		07/28/17 17:25	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		07/28/17 17:25	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		07/28/17 17:25	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		07/28/17 17:25	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/28/17 17:25	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		07/28/17 17:25	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		07/28/17 17:25	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		07/28/17 17:25	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		07/28/17 17:25	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		07/28/17 17:25	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		07/28/17 17:25	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		07/28/17 17:25	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		07/28/17 17:25	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/28/17 17:25	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		07/28/17 17:25	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	84	%	61-130		1		07/28/17 17:25	460-00-4	HS
Dibromofluoromethane (S)	107	%	67-130		1		07/28/17 17:25	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		07/28/17 17:25	2037-26-5	

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ANALYTICAL RESULTS

Project: TD P3 3RD QTR GW

Pace Project No.: 40153939

Sample: MW-14 **Lab ID: 40153939005** Collected: 07/25/17 00:00 Received: 07/27/17 09:30 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		07/28/17 16:41	630-20-6	
1,1,1-Trichloroethane	73.6	ug/L	1.0	0.50	1		07/28/17 16:41	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		07/28/17 16:41	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		07/28/17 16:41	79-00-5	
1,1-Dichloroethane	48.2	ug/L	1.0	0.24	1		07/28/17 16:41	75-34-3	
1,1-Dichloroethene	5.4	ug/L	1.0	0.41	1		07/28/17 16:41	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		07/28/17 16:41	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		07/28/17 16:41	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		07/28/17 16:41	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		07/28/17 16:41	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/28/17 16:41	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		07/28/17 16:41	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		07/28/17 16:41	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/28/17 16:41	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		07/28/17 16:41	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		07/28/17 16:41	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/28/17 16:41	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/28/17 16:41	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		07/28/17 16:41	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/28/17 16:41	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		07/28/17 16:41	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		07/28/17 16:41	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		07/28/17 16:41	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		07/28/17 16:41	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		07/28/17 16:41	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		07/28/17 16:41	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		07/28/17 16:41	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		07/28/17 16:41	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		07/28/17 16:41	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		07/28/17 16:41	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		07/28/17 16:41	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		07/28/17 16:41	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		07/28/17 16:41	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		07/28/17 16:41	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		07/28/17 16:41	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		07/28/17 16:41	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		07/28/17 16:41	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		07/28/17 16:41	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		07/28/17 16:41	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		07/28/17 16:41	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		07/28/17 16:41	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		07/28/17 16:41	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		07/28/17 16:41	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		07/28/17 16:41	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		07/28/17 16:41	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		07/28/17 16:41	127-18-4	

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ANALYTICAL RESULTS

Project: TD P3 3RD QTR GW

Pace Project No.: 40153939

Sample: MW-14 Lab ID: 40153939005 Collected: 07/25/17 00:00 Received: 07/27/17 09:30 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		07/28/17 16:41	108-88-3	
Trichloroethene	5.4	ug/L	1.0	0.33	1		07/28/17 16:41	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		07/28/17 16:41	75-69-4	
Vinyl chloride	0.99J	ug/L	1.0	0.18	1		07/28/17 16:41	75-01-4	
cis-1,2-Dichloroethene	6.3	ug/L	1.0	0.26	1		07/28/17 16:41	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		07/28/17 16:41	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		07/28/17 16:41	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		07/28/17 16:41	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		07/28/17 16:41	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		07/28/17 16:41	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		07/28/17 16:41	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		07/28/17 16:41	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		07/28/17 16:41	98-06-6	
trans-1,2-Dichloroethene	0.59J	ug/L	1.0	0.26	1		07/28/17 16:41	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		07/28/17 16:41	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	61-130		1		07/28/17 16:41	460-00-4	HS
Dibromofluoromethane (S)	109	%	67-130		1		07/28/17 16:41	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		07/28/17 16:41	2037-26-5	

Sample: MW-16 Lab ID: 40153939006 Collected: 07/25/17 00:00 Received: 07/27/17 09:30 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		07/28/17 17:47	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		07/28/17 17:47	71-55-6	
1,1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		07/28/17 17:47	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		07/28/17 17:47	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		07/28/17 17:47	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		07/28/17 17:47	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		07/28/17 17:47	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		07/28/17 17:47	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		07/28/17 17:47	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		07/28/17 17:47	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/28/17 17:47	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		07/28/17 17:47	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		07/28/17 17:47	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/28/17 17:47	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		07/28/17 17:47	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		07/28/17 17:47	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/28/17 17:47	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/28/17 17:47	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		07/28/17 17:47	142-28-9	

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ANALYTICAL RESULTS

Project: TD P3 3RD QTR GW

Pace Project No.: 40153939

Sample: MW-16 **Lab ID: 40153939006** Collected: 07/25/17 00:00 Received: 07/27/17 09:30 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		07/28/17 17:47	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		07/28/17 17:47	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		07/28/17 17:47	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		07/28/17 17:47	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		07/28/17 17:47	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		07/28/17 17:47	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		07/28/17 17:47	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		07/28/17 17:47	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		07/28/17 17:47	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		07/28/17 17:47	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		07/28/17 17:47	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		07/28/17 17:47	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		07/28/17 17:47	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		07/28/17 17:47	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		07/28/17 17:47	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		07/28/17 17:47	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		07/28/17 17:47	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		07/28/17 17:47	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		07/28/17 17:47	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		07/28/17 17:47	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		07/28/17 17:47	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		07/28/17 17:47	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		07/28/17 17:47	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		07/28/17 17:47	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		07/28/17 17:47	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		07/28/17 17:47	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		07/28/17 17:47	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		07/28/17 17:47	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		07/28/17 17:47	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		07/28/17 17:47	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		07/28/17 17:47	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/28/17 17:47	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		07/28/17 17:47	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		07/28/17 17:47	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		07/28/17 17:47	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		07/28/17 17:47	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		07/28/17 17:47	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		07/28/17 17:47	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		07/28/17 17:47	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		07/28/17 17:47	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/28/17 17:47	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		07/28/17 17:47	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	61-130		1		07/28/17 17:47	460-00-4	
Dibromofluoromethane (S)	104	%	67-130		1		07/28/17 17:47	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		07/28/17 17:47	2037-26-5	

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ANALYTICAL RESULTS

Project: TD P3 3RD QTR GW

Pace Project No.: 40153939

Sample: MW-19 **Lab ID: 40153939007** Collected: 07/25/17 00:00 Received: 07/27/17 09:30 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		07/28/17 18:09	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		07/28/17 18:09	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		07/28/17 18:09	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		07/28/17 18:09	79-00-5	
1,1-Dichloroethane	0.55J	ug/L	1.0	0.24	1		07/28/17 18:09	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		07/28/17 18:09	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		07/28/17 18:09	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		07/28/17 18:09	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		07/28/17 18:09	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		07/28/17 18:09	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/28/17 18:09	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		07/28/17 18:09	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		07/28/17 18:09	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/28/17 18:09	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		07/28/17 18:09	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		07/28/17 18:09	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/28/17 18:09	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/28/17 18:09	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		07/28/17 18:09	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/28/17 18:09	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		07/28/17 18:09	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		07/28/17 18:09	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		07/28/17 18:09	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		07/28/17 18:09	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		07/28/17 18:09	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		07/28/17 18:09	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		07/28/17 18:09	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		07/28/17 18:09	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		07/28/17 18:09	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		07/28/17 18:09	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		07/28/17 18:09	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		07/28/17 18:09	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		07/28/17 18:09	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		07/28/17 18:09	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		07/28/17 18:09	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		07/28/17 18:09	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		07/28/17 18:09	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		07/28/17 18:09	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		07/28/17 18:09	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		07/28/17 18:09	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		07/28/17 18:09	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		07/28/17 18:09	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		07/28/17 18:09	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		07/28/17 18:09	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		07/28/17 18:09	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		07/28/17 18:09	127-18-4	

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ANALYTICAL RESULTS

Project: TD P3 3RD QTR GW

Pace Project No.: 40153939

Sample: MW-19 **Lab ID: 40153939007** Collected: 07/25/17 00:00 Received: 07/27/17 09:30 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		07/28/17 18:09	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		07/28/17 18:09	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		07/28/17 18:09	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		07/28/17 18:09	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/28/17 18:09	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		07/28/17 18:09	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		07/28/17 18:09	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		07/28/17 18:09	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		07/28/17 18:09	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		07/28/17 18:09	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		07/28/17 18:09	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		07/28/17 18:09	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		07/28/17 18:09	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/28/17 18:09	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		07/28/17 18:09	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	61-130		1		07/28/17 18:09	460-00-4	
Dibromofluoromethane (S)	105	%	67-130		1		07/28/17 18:09	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		07/28/17 18:09	2037-26-5	

Sample: TRIP BLANK **Lab ID: 40153939008** Collected: 07/25/17 00:00 Received: 07/27/17 09:30 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		07/28/17 18:31	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		07/28/17 18:31	71-55-6	
1,1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		07/28/17 18:31	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		07/28/17 18:31	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		07/28/17 18:31	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		07/28/17 18:31	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		07/28/17 18:31	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		07/28/17 18:31	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		07/28/17 18:31	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		07/28/17 18:31	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/28/17 18:31	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		07/28/17 18:31	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		07/28/17 18:31	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/28/17 18:31	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		07/28/17 18:31	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		07/28/17 18:31	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/28/17 18:31	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/28/17 18:31	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		07/28/17 18:31	142-28-9	

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ANALYTICAL RESULTS

Project: TD P3 3RD QTR GW

Pace Project No.: 40153939

Sample: TRIP BLANK **Lab ID: 40153939008** Collected: 07/25/17 00:00 Received: 07/27/17 09:30 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		07/28/17 18:31	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		07/28/17 18:31	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		07/28/17 18:31	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		07/28/17 18:31	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		07/28/17 18:31	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		07/28/17 18:31	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		07/28/17 18:31	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		07/28/17 18:31	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		07/28/17 18:31	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		07/28/17 18:31	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		07/28/17 18:31	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		07/28/17 18:31	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		07/28/17 18:31	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		07/28/17 18:31	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		07/28/17 18:31	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		07/28/17 18:31	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		07/28/17 18:31	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		07/28/17 18:31	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		07/28/17 18:31	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		07/28/17 18:31	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		07/28/17 18:31	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		07/28/17 18:31	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		07/28/17 18:31	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		07/28/17 18:31	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		07/28/17 18:31	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		07/28/17 18:31	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		07/28/17 18:31	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		07/28/17 18:31	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		07/28/17 18:31	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		07/28/17 18:31	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		07/28/17 18:31	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/28/17 18:31	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		07/28/17 18:31	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		07/28/17 18:31	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		07/28/17 18:31	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		07/28/17 18:31	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		07/28/17 18:31	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		07/28/17 18:31	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		07/28/17 18:31	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		07/28/17 18:31	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/28/17 18:31	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		07/28/17 18:31	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	61-130		1		07/28/17 18:31	460-00-4	
Dibromofluoromethane (S)	104	%	67-130		1		07/28/17 18:31	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		07/28/17 18:31	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TD P3 3RD QTR GW
Pace Project No.: 40153939

QC Batch: 262829 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40153939001, 40153939002, 40153939003, 40153939004, 40153939005, 40153939006, 40153939007, 40153939008

METHOD BLANK: 1546935 Matrix: Water
Associated Lab Samples: 40153939001, 40153939002, 40153939003, 40153939004, 40153939005, 40153939006, 40153939007, 40153939008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	07/28/17 10:04	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	07/28/17 10:04	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	07/28/17 10:04	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	07/28/17 10:04	
1,1-Dichloroethane	ug/L	<0.24	1.0	07/28/17 10:04	
1,1-Dichloroethene	ug/L	<0.41	1.0	07/28/17 10:04	
1,1-Dichloropropene	ug/L	<0.44	1.0	07/28/17 10:04	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	07/28/17 10:04	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	07/28/17 10:04	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	07/28/17 10:04	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	07/28/17 10:04	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	07/28/17 10:04	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	07/28/17 10:04	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	07/28/17 10:04	
1,2-Dichloroethane	ug/L	<0.17	1.0	07/28/17 10:04	
1,2-Dichloropropane	ug/L	<0.23	1.0	07/28/17 10:04	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	07/28/17 10:04	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	07/28/17 10:04	
1,3-Dichloropropane	ug/L	<0.50	1.0	07/28/17 10:04	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	07/28/17 10:04	
2,2-Dichloropropane	ug/L	<0.48	1.0	07/28/17 10:04	
2-Chlorotoluene	ug/L	<0.50	1.0	07/28/17 10:04	
4-Chlorotoluene	ug/L	<0.21	1.0	07/28/17 10:04	
Benzene	ug/L	<0.50	1.0	07/28/17 10:04	
Bromobenzene	ug/L	<0.23	1.0	07/28/17 10:04	
Bromochloromethane	ug/L	<0.34	1.0	07/28/17 10:04	
Bromodichloromethane	ug/L	<0.50	1.0	07/28/17 10:04	
Bromoform	ug/L	<0.50	1.0	07/28/17 10:04	
Bromomethane	ug/L	<2.4	5.0	07/28/17 10:04	
Carbon tetrachloride	ug/L	<0.50	1.0	07/28/17 10:04	
Chlorobenzene	ug/L	<0.50	1.0	07/28/17 10:04	
Chloroethane	ug/L	<0.37	1.0	07/28/17 10:04	
Chloroform	ug/L	<2.5	5.0	07/28/17 10:04	
Chloromethane	ug/L	<0.50	1.0	07/28/17 10:04	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	07/28/17 10:04	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	07/28/17 10:04	
Dibromochloromethane	ug/L	<0.50	1.0	07/28/17 10:04	
Dibromomethane	ug/L	<0.43	1.0	07/28/17 10:04	
Dichlorodifluoromethane	ug/L	<0.22	1.0	07/28/17 10:04	
Diisopropyl ether	ug/L	<0.50	1.0	07/28/17 10:04	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TD P3 3RD QTR GW

Pace Project No.: 40153939

METHOD BLANK: 1546935

Matrix: Water

Associated Lab Samples: 40153939001, 40153939002, 40153939003, 40153939004, 40153939005, 40153939006, 40153939007, 40153939008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.50	1.0	07/28/17 10:04	
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	07/28/17 10:04	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	07/28/17 10:04	
m&p-Xylene	ug/L	<1.0	2.0	07/28/17 10:04	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	07/28/17 10:04	
Methylene Chloride	ug/L	<0.23	1.0	07/28/17 10:04	
n-Butylbenzene	ug/L	<0.50	1.0	07/28/17 10:04	
n-Propylbenzene	ug/L	<0.50	1.0	07/28/17 10:04	
Naphthalene	ug/L	<2.5	5.0	07/28/17 10:04	
o-Xylene	ug/L	<0.50	1.0	07/28/17 10:04	
p-Isopropyltoluene	ug/L	<0.50	1.0	07/28/17 10:04	
sec-Butylbenzene	ug/L	<2.2	5.0	07/28/17 10:04	
Styrene	ug/L	<0.50	1.0	07/28/17 10:04	
tert-Butylbenzene	ug/L	<0.18	1.0	07/28/17 10:04	
Tetrachloroethene	ug/L	<0.50	1.0	07/28/17 10:04	
Toluene	ug/L	<0.50	1.0	07/28/17 10:04	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	07/28/17 10:04	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	07/28/17 10:04	
Trichloroethene	ug/L	<0.33	1.0	07/28/17 10:04	
Trichlorofluoromethane	ug/L	<0.18	1.0	07/28/17 10:04	
Vinyl chloride	ug/L	<0.18	1.0	07/28/17 10:04	
4-Bromofluorobenzene (S)	%	89	61-130	07/28/17 10:04	
Dibromofluoromethane (S)	%	105	67-130	07/28/17 10:04	
Toluene-d8 (S)	%	102	70-130	07/28/17 10:04	

LABORATORY CONTROL SAMPLE: 1546936

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	56.2	112	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	50.5	101	70-130	
1,1,2-Trichloroethane	ug/L	50	53.0	106	70-130	
1,1-Dichloroethane	ug/L	50	53.6	107	71-132	
1,1-Dichloroethene	ug/L	50	52.2	104	75-130	
1,2,4-Trichlorobenzene	ug/L	50	42.0	84	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	50.6	101	63-123	
1,2-Dibromoethane (EDB)	ug/L	50	50.7	101	70-130	
1,2-Dichlorobenzene	ug/L	50	53.1	106	70-130	
1,2-Dichloroethane	ug/L	50	50.2	100	70-131	
1,2-Dichloropropane	ug/L	50	51.1	102	80-120	
1,3-Dichlorobenzene	ug/L	50	50.8	102	70-130	
1,4-Dichlorobenzene	ug/L	50	50.7	101	70-130	
Benzene	ug/L	50	50.5	101	73-145	
Bromodichloromethane	ug/L	50	53.6	107	70-130	

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QUALITY CONTROL DATA

Project: TD P3 3RD QTR GW

Pace Project No.: 40153939

LABORATORY CONTROL SAMPLE: 1546936

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/L	50	48.3	97	67-130	
Bromomethane	ug/L	50	46.9	94	26-128	
Carbon tetrachloride	ug/L	50	56.0	112	70-133	
Chlorobenzene	ug/L	50	51.4	103	70-130	
Chloroethane	ug/L	50	51.1	102	58-120	
Chloroform	ug/L	50	54.1	108	80-121	
Chloromethane	ug/L	50	31.2	62	40-127	
cis-1,2-Dichloroethene	ug/L	50	53.2	106	70-130	
cis-1,3-Dichloropropene	ug/L	50	52.5	105	70-130	
Dibromochloromethane	ug/L	50	55.4	111	70-130	
Dichlorodifluoromethane	ug/L	50	31.5	63	20-135	
Ethylbenzene	ug/L	50	53.8	108	87-129	
Isopropylbenzene (Cumene)	ug/L	50	54.3	109	70-130	
m&p-Xylene	ug/L	100	109	109	70-130	
Methyl-tert-butyl ether	ug/L	50	53.5	107	66-143	
Methylene Chloride	ug/L	50	49.8	100	70-130	
o-Xylene	ug/L	50	52.9	106	70-130	
Styrene	ug/L	50	54.5	109	70-130	
Tetrachloroethene	ug/L	50	52.8	106	70-130	
Toluene	ug/L	50	52.6	105	82-130	
trans-1,2-Dichloroethene	ug/L	50	51.7	103	75-132	
trans-1,3-Dichloropropene	ug/L	50	49.4	99	70-130	
Trichloroethene	ug/L	50	55.0	110	70-130	
Trichlorofluoromethane	ug/L	50	53.0	106	76-133	
Vinyl chloride	ug/L	50	45.2	90	57-136	
4-Bromofluorobenzene (S)	%			101	61-130	
Dibromofluoromethane (S)	%			105	67-130	
Toluene-d8 (S)	%			103	70-130	

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QUALIFIERS

Project: TD P3 3RD QTR GW

Pace Project No.: 40153939

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.

HS Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: TD P3 3RD QTR GW

Pace Project No.: 40153939

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40153939001	MW-402 N	EPA 8260	262829		
40153939002	MW-11	EPA 8260	262829		
40153939003	MW-12	EPA 8260	262829		
40153939004	MW-13	EPA 8260	262829		
40153939005	MW-14	EPA 8260	262829		
40153939006	MW-16	EPA 8260	262829		
40153939007	MW-19	EPA 8260	262829		
40153939008	TRIP BLANK	EPA 8260	262829		

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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.
 Address: 11327 W Lincoln Avenue
 West Allis WI 53051
 Email To: john@environmentalaudits.net
 Phone: 414-226-5563
 Requested Due Date/TAT: _____

Report To: jrueztz@yahoo.com
 Copy To: eerrill@wi.rr.com; john@environmentalaudits.net
 Purchase Order No.: Verbal
 Project Name: TD P3 3rd Qtr GW
 Project Number: _____

Attention: John Ruetz
 Company Name: Environmental Audits Inc.
 Address: 11327 W Lincoln Avenue
 Pace Quote Reference: _____
 Pace Project Manager: _____
 Pace Profile #: _____

REGULATORY AGENCY
 NPDES GROUND WATER DRINKING WATER
 UST RCRA OTHER _____
 Site Location STATE: WI

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WASTE WATER WW WATER PRODUCT P SOIL/SOLID SL OIL OL WIPE WP AIR AR OTHER OT TISSUE TS	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
			COMPOSITE START	COMPOSITE END/GRAB			DATE	TIME	DATE	TIME	Unpreserved	H ₂ SO ₄	HNO ₃				
1	001 MW - 402 N					3											
2	002 MW-11					3											
3	003 MW - 12					3											
4	004 MW - 13					3											
5	005 MW - 14					3											
6	006 MW - 16					3											
7	007 MW - 19					3											
8	008 TRIP Blank					3											
9																	
10																	
11																	
12																	

ADDITIONAL COMMENTS: _____

RELINQUISHED BY / AFFILIATION: Stephanie Wagner 7/25/17

ACCEPTED BY / AFFILIATION: Myung Sammin 7/25/17 1330 Substantive floor

DATE: 7/25/17 TIME: 1300

DATE: 7/25/17 TIME: 0930

DATE: 7/25/17 TIME: 1300

DATE: 7/25/17 TIME: 0930

DATE: 7/25/17 TIME: 1300

TRIP Blank in cooler, lab added to cool on 7/27/17

SAMPLER NAME AND SIGNATURE: Stephanie Wagner

PRINT Name of SAMPLER: Stephanie Wagner

SIGNATURE of SAMPLER: [Signature]

DATE Signed (MM/DD/YY): 7/25/17

Temp in °C: _____

Received on Ice (Y/N): _____

Custody Sealed Cooler (Y/N): _____

Samples Intact (Y/N): _____



Sample Condition Upon Receipt

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

Client Name: Environmental Audits Inc

Project #: WO# : 40153939

Courier: Fed Ex UPS Client Pace Other: CS logistics



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: R01 ICorr: _____ Biological Tissue is Frozen: yes no

Temp Blank Present: yes no

Person examining contents:
Date: 7/27/17
Initials: SW

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 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 type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input checked="" 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	8. <u>NO MS/MSD</u> <u>9/27/17</u>
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. <u>No time on any labels 001-007 8/27/17</u> <u>005 - No time on date on sample label 7/27/17</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: <u>VOA</u> , 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): <u>0.2717</u>	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	14. <u>001x3, 004x3, 005x3; 000x1</u>
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	15. <u>Lab added trip blank to SW</u> <u>COC</u> <u>7/27/17</u>
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>383</u>		

Client Notification/ Resolution: _____
Person Contacted: _____ Date/Time: _____
Comments/ Resolution: 003 placed in free product 9/27/17

Project Manager Review: RNR for PM Date: 7/27/17

July 05, 2018

John Ruetz
Environmental Audits Inc
11327 W Lincoln Ave
West Allis, WI 53227

RE: Project: 1804 TD P3 BROACH
Pace Project No.: 40171657

Dear John Ruetz:

Enclosed are the analytical results for sample(s) received by the laboratory on June 28, 2018. 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: Ed Raymond, Environmental Audits, Inc
Stephanie Wagner, Environmental Audits, Inc.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 1804 TD P3 BROACH

Pace Project No.: 40171657

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: 1804 TD P3 BROACH

Pace Project No.: 40171657

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40171657001	MW-24	Water	06/26/18 00:00	06/28/18 09:30

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 1804 TD P3 BROACH

Pace Project No.: 40171657

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40171657001	MW-24	EPA 8260	HNW	64

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1804 TD P3 BROACH

Pace Project No.: 40171657

Sample: MW-24 **Lab ID: 40171657001** Collected: 06/26/18 00:00 Received: 06/28/18 09:30 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		07/03/18 11:05	630-20-6	
1,1,1-Trichloroethane	30.8	ug/L	4.0	2.0	4		07/03/18 11:05	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	4.0	1.0	4		07/03/18 11:05	79-34-5	
1,1,2-Trichloroethane	<0.79	ug/L	4.0	0.79	4		07/03/18 11:05	79-00-5	
1,1-Dichloroethane	217	ug/L	4.0	0.97	4		07/03/18 11:05	75-34-3	
1,1-Dichloroethene	<1.6	ug/L	4.0	1.6	4		07/03/18 11:05	75-35-4	
1,1-Dichloropropene	<1.8	ug/L	4.0	1.8	4		07/03/18 11:05	563-58-6	
1,2,3-Trichlorobenzene	<8.5	ug/L	20.0	8.5	4		07/03/18 11:05	87-61-6	
1,2,3-Trichloropropane	<2.0	ug/L	4.0	2.0	4		07/03/18 11:05	96-18-4	
1,2,4-Trichlorobenzene	<8.8	ug/L	20.0	8.8	4		07/03/18 11:05	120-82-1	
1,2,4-Trimethylbenzene	<2.0	ug/L	4.0	2.0	4		07/03/18 11:05	95-63-6	
1,2-Dibromo-3-chloropropane	<8.7	ug/L	20.0	8.7	4		07/03/18 11:05	96-12-8	
1,2-Dibromoethane (EDB)	<0.71	ug/L	4.0	0.71	4		07/03/18 11:05	106-93-4	
1,2-Dichlorobenzene	<2.0	ug/L	4.0	2.0	4		07/03/18 11:05	95-50-1	
1,2-Dichloroethane	1.6J	ug/L	4.0	0.67	4		07/03/18 11:05	107-06-2	
1,2-Dichloropropane	<0.93	ug/L	4.0	0.93	4		07/03/18 11:05	78-87-5	
1,3,5-Trimethylbenzene	<2.0	ug/L	4.0	2.0	4		07/03/18 11:05	108-67-8	
1,3-Dichlorobenzene	<2.0	ug/L	4.0	2.0	4		07/03/18 11:05	541-73-1	
1,3-Dichloropropane	<2.0	ug/L	4.0	2.0	4		07/03/18 11:05	142-28-9	
1,4-Dichlorobenzene	<2.0	ug/L	4.0	2.0	4		07/03/18 11:05	106-46-7	
2,2-Dichloropropane	<1.9	ug/L	4.0	1.9	4		07/03/18 11:05	594-20-7	
2-Chlorotoluene	<2.0	ug/L	4.0	2.0	4		07/03/18 11:05	95-49-8	
4-Chlorotoluene	<0.85	ug/L	4.0	0.85	4		07/03/18 11:05	106-43-4	
Benzene	<2.0	ug/L	4.0	2.0	4		07/03/18 11:05	71-43-2	
Bromobenzene	<0.92	ug/L	4.0	0.92	4		07/03/18 11:05	108-86-1	
Bromochloromethane	<1.4	ug/L	4.0	1.4	4		07/03/18 11:05	74-97-5	
Bromodichloromethane	<2.0	ug/L	4.0	2.0	4		07/03/18 11:05	75-27-4	
Bromoform	<2.0	ug/L	4.0	2.0	4		07/03/18 11:05	75-25-2	
Bromomethane	<9.7	ug/L	20.0	9.7	4		07/03/18 11:05	74-83-9	
Carbon tetrachloride	<2.0	ug/L	4.0	2.0	4		07/03/18 11:05	56-23-5	
Chlorobenzene	<2.0	ug/L	4.0	2.0	4		07/03/18 11:05	108-90-7	
Chloroethane	16.3	ug/L	4.0	1.5	4		07/03/18 11:05	75-00-3	
Chloroform	<10.0	ug/L	20.0	10.0	4		07/03/18 11:05	67-66-3	
Chloromethane	<2.0	ug/L	4.0	2.0	4		07/03/18 11:05	74-87-3	
Dibromochloromethane	<2.0	ug/L	4.0	2.0	4		07/03/18 11:05	124-48-1	
Dibromomethane	<1.7	ug/L	4.0	1.7	4		07/03/18 11:05	74-95-3	
Dichlorodifluoromethane	<0.90	ug/L	4.0	0.90	4		07/03/18 11:05	75-71-8	
Diisopropyl ether	<2.0	ug/L	4.0	2.0	4		07/03/18 11:05	108-20-3	
Ethylbenzene	<2.0	ug/L	4.0	2.0	4		07/03/18 11:05	100-41-4	
Hexachloro-1,3-butadiene	<8.4	ug/L	20.0	8.4	4		07/03/18 11:05	87-68-3	
Isopropylbenzene (Cumene)	<0.57	ug/L	4.0	0.57	4		07/03/18 11:05	98-82-8	
Methyl-tert-butyl ether	<0.70	ug/L	4.0	0.70	4		07/03/18 11:05	1634-04-4	
Methylene Chloride	0.97J	ug/L	4.0	0.93	4		07/03/18 11:05	75-09-2	
Naphthalene	<10.0	ug/L	20.0	10.0	4		07/03/18 11:05	91-20-3	
Styrene	<2.0	ug/L	4.0	2.0	4		07/03/18 11:05	100-42-5	
Tetrachloroethene	<2.0	ug/L	4.0	2.0	4		07/03/18 11:05	127-18-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1804 TD P3 BROACH

Pace Project No.: 40171657

Sample: MW-24 **Lab ID: 40171657001** Collected: 06/26/18 00:00 Received: 06/28/18 09:30 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		07/03/18 11:05	108-88-3	
Trichloroethene	<1.3	ug/L	4.0	1.3	4		07/03/18 11:05	79-01-6	
Trichlorofluoromethane	<0.74	ug/L	4.0	0.74	4		07/03/18 11:05	75-69-4	
Vinyl chloride	5.7	ug/L	4.0	0.70	4		07/03/18 11:05	75-01-4	
cis-1,2-Dichloroethene	<1.0	ug/L	4.0	1.0	4		07/03/18 11:05	156-59-2	
cis-1,3-Dichloropropene	<2.0	ug/L	4.0	2.0	4		07/03/18 11:05	10061-01-5	
m&p-Xylene	<4.0	ug/L	8.0	4.0	4		07/03/18 11:05	179601-23-1	
n-Butylbenzene	<2.0	ug/L	4.0	2.0	4		07/03/18 11:05	104-51-8	
n-Propylbenzene	<2.0	ug/L	4.0	2.0	4		07/03/18 11:05	103-65-1	
o-Xylene	<2.0	ug/L	4.0	2.0	4		07/03/18 11:05	95-47-6	
p-Isopropyltoluene	<2.0	ug/L	4.0	2.0	4		07/03/18 11:05	99-87-6	
sec-Butylbenzene	<8.7	ug/L	20.0	8.7	4		07/03/18 11:05	135-98-8	
tert-Butylbenzene	<0.72	ug/L	4.0	0.72	4		07/03/18 11:05	98-06-6	
trans-1,2-Dichloroethene	<1.0	ug/L	4.0	1.0	4		07/03/18 11:05	156-60-5	
trans-1,3-Dichloropropene	<0.92	ug/L	4.0	0.92	4		07/03/18 11:05	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		4		07/03/18 11:05	460-00-4	
Dibromofluoromethane (S)	96	%	70-130		4		07/03/18 11:05	1868-53-7	
Toluene-d8 (S)	99	%	70-130		4		07/03/18 11:05	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1804 TD P3 BROACH
Pace Project No.: 40171657

QC Batch: 293241 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40171657001

METHOD BLANK: 1714849 Matrix: Water
Associated Lab Samples: 40171657001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	07/03/18 06:47	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	07/03/18 06:47	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	07/03/18 06:47	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	07/03/18 06:47	
1,1-Dichloroethane	ug/L	<0.24	1.0	07/03/18 06:47	
1,1-Dichloroethene	ug/L	<0.41	1.0	07/03/18 06:47	
1,1-Dichloropropene	ug/L	<0.44	1.0	07/03/18 06:47	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	07/03/18 06:47	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	07/03/18 06:47	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	07/03/18 06:47	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	07/03/18 06:47	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	07/03/18 06:47	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	07/03/18 06:47	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	07/03/18 06:47	
1,2-Dichloroethane	ug/L	<0.17	1.0	07/03/18 06:47	
1,2-Dichloropropane	ug/L	<0.23	1.0	07/03/18 06:47	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	07/03/18 06:47	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	07/03/18 06:47	
1,3-Dichloropropane	ug/L	<0.50	1.0	07/03/18 06:47	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	07/03/18 06:47	
2,2-Dichloropropane	ug/L	<0.48	1.0	07/03/18 06:47	
2-Chlorotoluene	ug/L	<0.50	1.0	07/03/18 06:47	
4-Chlorotoluene	ug/L	<0.21	1.0	07/03/18 06:47	
Benzene	ug/L	<0.50	1.0	07/03/18 06:47	
Bromobenzene	ug/L	<0.23	1.0	07/03/18 06:47	
Bromochloromethane	ug/L	<0.34	1.0	07/03/18 06:47	
Bromodichloromethane	ug/L	<0.50	1.0	07/03/18 06:47	
Bromoform	ug/L	<0.50	1.0	07/03/18 06:47	
Bromomethane	ug/L	<2.4	5.0	07/03/18 06:47	
Carbon tetrachloride	ug/L	<0.50	1.0	07/03/18 06:47	
Chlorobenzene	ug/L	<0.50	1.0	07/03/18 06:47	
Chloroethane	ug/L	<0.37	1.0	07/03/18 06:47	
Chloroform	ug/L	<2.5	5.0	07/03/18 06:47	
Chloromethane	ug/L	<0.50	1.0	07/03/18 06:47	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	07/03/18 06:47	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	07/03/18 06:47	
Dibromochloromethane	ug/L	<0.50	1.0	07/03/18 06:47	
Dibromomethane	ug/L	<0.43	1.0	07/03/18 06:47	
Dichlorodifluoromethane	ug/L	<0.22	1.0	07/03/18 06:47	
Diisopropyl ether	ug/L	<0.50	1.0	07/03/18 06:47	
Ethylbenzene	ug/L	<0.50	1.0	07/03/18 06:47	

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: 1804 TD P3 BROACH
Pace Project No.: 40171657

METHOD BLANK: 1714849 Matrix: Water
Associated Lab Samples: 40171657001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	07/03/18 06:47	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	07/03/18 06:47	
m&p-Xylene	ug/L	<1.0	2.0	07/03/18 06:47	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	07/03/18 06:47	
Methylene Chloride	ug/L	<0.23	1.0	07/03/18 06:47	
n-Butylbenzene	ug/L	<0.50	1.0	07/03/18 06:47	
n-Propylbenzene	ug/L	<0.50	1.0	07/03/18 06:47	
Naphthalene	ug/L	<2.5	5.0	07/03/18 06:47	
o-Xylene	ug/L	<0.50	1.0	07/03/18 06:47	
p-Isopropyltoluene	ug/L	<0.50	1.0	07/03/18 06:47	
sec-Butylbenzene	ug/L	<2.2	5.0	07/03/18 06:47	
Styrene	ug/L	<0.50	1.0	07/03/18 06:47	
tert-Butylbenzene	ug/L	<0.18	1.0	07/03/18 06:47	
Tetrachloroethene	ug/L	<0.50	1.0	07/03/18 06:47	
Toluene	ug/L	<0.50	1.0	07/03/18 06:47	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	07/03/18 06:47	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	07/03/18 06:47	
Trichloroethene	ug/L	<0.33	1.0	07/03/18 06:47	
Trichlorofluoromethane	ug/L	<0.18	1.0	07/03/18 06:47	
Vinyl chloride	ug/L	<0.18	1.0	07/03/18 06:47	
4-Bromofluorobenzene (S)	%	94	70-130	07/03/18 06:47	
Dibromofluoromethane (S)	%	97	70-130	07/03/18 06:47	
Toluene-d8 (S)	%	96	70-130	07/03/18 06:47	

LABORATORY CONTROL SAMPLE: 1714850

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	49.4	99	70-133	
1,1,1,2-Tetrachloroethane	ug/L	50	51.6	103	67-130	
1,1,2-Trichloroethane	ug/L	50	47.3	95	70-130	
1,1-Dichloroethane	ug/L	50	42.8	86	70-134	
1,1-Dichloroethene	ug/L	50	46.8	94	75-132	
1,2,4-Trichlorobenzene	ug/L	50	53.1	106	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	45.7	91	60-126	
1,2-Dibromoethane (EDB)	ug/L	50	48.1	96	70-130	
1,2-Dichlorobenzene	ug/L	50	49.0	98	70-130	
1,2-Dichloroethane	ug/L	50	47.0	94	73-134	
1,2-Dichloropropane	ug/L	50	45.4	91	79-128	
1,3-Dichlorobenzene	ug/L	50	49.8	100	70-130	
1,4-Dichlorobenzene	ug/L	50	47.9	96	70-130	
Benzene	ug/L	50	49.0	98	69-137	
Bromodichloromethane	ug/L	50	48.1	96	70-130	
Bromoform	ug/L	50	45.8	92	64-133	
Bromomethane	ug/L	50	31.9	64	29-123	

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QUALITY CONTROL DATA

Project: 1804 TD P3 BROACH
Pace Project No.: 40171657

LABORATORY CONTROL SAMPLE: 1714850

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	48.5	97	73-142	
Chlorobenzene	ug/L	50	48.1	96	70-130	
Chloroethane	ug/L	50	40.6	81	59-133	
Chloroform	ug/L	50	46.7	93	80-129	
Chloromethane	ug/L	50	41.0	82	27-125	
cis-1,2-Dichloroethene	ug/L	50	48.6	97	70-134	
cis-1,3-Dichloropropene	ug/L	50	42.6	85	70-130	
Dibromochloromethane	ug/L	50	45.6	91	70-130	
Dichlorodifluoromethane	ug/L	50	41.5	83	12-127	
Ethylbenzene	ug/L	50	50.7	101	86-127	
Isopropylbenzene (Cumene)	ug/L	50	52.0	104	70-130	
m&p-Xylene	ug/L	100	100	100	70-131	
Methyl-tert-butyl ether	ug/L	50	37.5	75	65-136	
Methylene Chloride	ug/L	50	40.3	81	72-133	
o-Xylene	ug/L	50	51.1	102	70-130	
Styrene	ug/L	50	49.2	98	70-130	
Tetrachloroethene	ug/L	50	47.8	96	70-130	
Toluene	ug/L	50	48.5	97	84-124	
trans-1,2-Dichloroethene	ug/L	50	43.4	87	70-133	
trans-1,3-Dichloropropene	ug/L	50	41.9	84	67-130	
Trichloroethene	ug/L	50	49.3	99	70-130	
Trichlorofluoromethane	ug/L	50	48.9	98	69-147	
Vinyl chloride	ug/L	50	41.8	84	48-134	
4-Bromofluorobenzene (S)	%			102	70-130	
Dibromofluoromethane (S)	%			101	70-130	
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1714851 1714852

Parameter	Units	40171652003		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	Result	MSD Result	% Rec	% Rec					
1,1,1-Trichloroethane	ug/L	<0.50	50	50	48.9	52.6	98	105	70-136	7	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	49.9	53.8	100	108	67-133	7	20		
1,1,2-Trichloroethane	ug/L	<0.20	50	50	45.1	49.5	90	99	70-130	9	20		
1,1-Dichloroethane	ug/L	<0.24	50	50	41.8	44.0	84	88	70-139	5	20		
1,1-Dichloroethene	ug/L	<0.41	50	50	45.3	46.5	91	93	72-137	3	20		
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	51.2	54.3	101	108	68-130	6	20		
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	44.3	48.8	89	98	60-130	10	21		
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	46.0	50.0	92	100	70-130	8	20		
1,2-Dichlorobenzene	ug/L	<0.50	50	50	48.9	51.5	98	103	70-130	5	20		
1,2-Dichloroethane	ug/L	<0.17	50	50	46.9	49.6	94	99	71-137	6	20		
1,2-Dichloropropane	ug/L	<0.23	50	50	44.8	49.0	90	98	78-130	9	20		
1,3-Dichlorobenzene	ug/L	<0.50	50	50	50.5	53.0	101	106	70-130	5	20		
1,4-Dichlorobenzene	ug/L	<0.50	50	50	48.0	50.8	96	101	70-130	6	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: 1804 TD P3 BROACH

Pace Project No.: 40171657

Parameter	Units	40171652003		1714851		1714852		% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result							
Benzene	ug/L	<0.50	50	50	48.6	51.4	97	102	66-143	6	20		
Bromodichloromethane	ug/L	<0.50	50	50	48.5	51.1	96	102	70-130	5	20		
Bromoform	ug/L	<0.50	50	50	42.8	47.9	86	96	64-134	11	20		
Bromomethane	ug/L	<2.4	50	50	33.4	36.1	67	72	29-136	8	25		
Carbon tetrachloride	ug/L	<0.50	50	50	48.7	51.5	97	103	73-142	5	20		
Chlorobenzene	ug/L	<0.50	50	50	47.1	50.7	94	101	70-130	7	20		
Chloroethane	ug/L	<0.37	50	50	41.8	41.7	84	83	58-138	0	20		
Chloroform	ug/L	<2.5	50	50	48.1	49.3	94	97	80-131	2	20		
Chloromethane	ug/L	<0.50	50	50	40.8	44.8	81	89	24-125	9	20		
cis-1,2-Dichloroethene	ug/L	<0.26	50	50	48.6	51.1	97	102	68-137	5	22		
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	43.0	45.1	86	90	70-130	5	20		
Dibromochloromethane	ug/L	<0.50	50	50	45.5	48.9	91	98	70-131	7	20		
Dichlorodifluoromethane	ug/L	<0.22	50	50	39.8	42.3	80	85	10-127	6	20		
Ethylbenzene	ug/L	<0.50	50	50	49.3	53.8	99	108	81-136	9	20		
Isopropylbenzene (Cumene)	ug/L	<0.14	50	50	51.0	54.7	102	109	70-132	7	20		
m&p-Xylene	ug/L	<1.0	100	100	97.8	106	98	106	70-135	8	20		
Methyl-tert-butyl ether	ug/L	<0.17	50	50	35.7	38.3	71	77	58-142	7	23		
Methylene Chloride	ug/L	<0.23	50	50	41.0	43.3	82	86	69-137	5	20		
o-Xylene	ug/L	<0.50	50	50	50.5	54.1	101	108	70-132	7	20		
Styrene	ug/L	<0.50	50	50	48.3	52.5	97	105	70-130	8	20		
Tetrachloroethene	ug/L	<0.50	50	50	46.3	50.0	93	100	70-132	8	20		
Toluene	ug/L	<0.50	50	50	48.4	51.6	97	103	81-130	6	20		
trans-1,2-Dichloroethene	ug/L	<0.26	50	50	43.3	45.5	87	91	70-136	5	20		
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	41.5	44.5	83	89	67-130	7	20		
Trichloroethene	ug/L	<0.33	50	50	48.6	51.8	97	104	70-131	6	20		
Trichlorofluoromethane	ug/L	<0.18	50	50	48.0	50.3	96	101	66-150	5	20		
Vinyl chloride	ug/L	<0.18	50	50	41.7	44.8	83	90	46-134	7	20		
4-Bromofluorobenzene (S)	%						102	105	70-130				
Dibromofluoromethane (S)	%						100	100	70-130				
Toluene-d8 (S)	%						95	96	70-130				

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 1804 TD P3 BROACH

Pace Project No.: 40171657

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: 1804 TD P3 BROACH
Pace Project No.: 40171657

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40171657001	MW-24	EPA 8260	293241		

REPORT OF LABORATORY ANALYSIS

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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.

SRH

46171657

Section A

Section B

Section C

Required Client Information:
 Company: Environmental Audits, Inc.
 Address: 1409 Hillcrest Circle
 Racine, WI 53406
 Email To: eaudit@wi.rr.com
 Phone: 262.634.0641
 Requested Due Date/TAT: _____

Required Project Information:
 Report To: E Raymond
 Copy To: J.R. Ruetz
 Purchase Order No.: Verbal per Ed
 Project Name: TD P3 Broach
 Project Number: 1804

Invoice Information:
 Attention: J. R. Ruetz
 Company Name: Environmental Audits, Inc.
 Address: 11327 W Lincoln Ave, West Allis, WI 53227
 Pace Quote Reference:
 Pace Project Manager:
 Pace Profile #:

Page: 1 of 1

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
 UST RCRA HER

SITE LOCATION

3A T L V J
 CH SC A THER

Filtered (Y/N) _____
 Requested Ant: _____
 Residual Chlorine (Y/N) _____

ITEM #	Section D Required Client Information One Character per box. (A-Z, 0-9 / . -) Samples IDs MUST BE UNIQUE	Valid Matrix Codes	MATRIX CODE	SAMPLE TYPE G+GRAB C-COMP	COLLECTED				SAMPLE TEMP AT COLLECTION	#OF CONTAINERS	Preservatives						VOC	X	001
					DATE	TIME	DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃			
1	MM-24		MMW	G						3									

Additional Comments:Flow

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
<i>Mary of Jamini 6/27/18</i>			<i>Mary of Jamini 6/27/18</i>			Temp in °C
<i>CS Logistics 6/27/18</i>			<i>Paul Pau 6/27/18</i>			Received on Ice
						Custody Sealed Cooler
						Samples Intact

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: E.E. Raymond
 SIGNATURE of SAMPLER: *E.E. Raymond*
 DATE Signed (MM/DD/YY): 6/27/18

Sample Preservation Receipt Form

Client Name: Environmental Audits Project # 40171687

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

Lab Lot# of pH paper:

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

Initial when completed:

Date/ Time:

Pace Analytical Services, INC
1241 Bellevue Street, Suite 9
Green Bay, WI 54902
Page 1 of 2

Pace Lab #	Glass	Plastic	Vials	Jars	General	VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
001												2.5 / 5 / 10
002												2.5 / 5 / 10
003												2.5 / 5 / 10
004												2.5 / 5 / 10
005												2.5 / 5 / 10
006												2.5 / 5 / 10
007												2.5 / 5 / 10
008												2.5 / 5 / 10
009												2.5 / 5 / 10
010												2.5 / 5 / 10
011												2.5 / 5 / 10
012												2.5 / 5 / 10
013												2.5 / 5 / 10
014												2.5 / 5 / 10
015												2.5 / 5 / 10
016												2.5 / 5 / 10
017												2.5 / 5 / 10
018												2.5 / 5 / 10
019												2.5 / 5 / 10
020												2.5 / 5 / 10

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

AG1U 1 liter amber glass	BP1U 1 liter plastic unpres	DG9A 40 ml amber ascorbic	JGFU 4 oz amber jar unpres	SP5T 120 ml plastic Na Thiosulfate
AG1H 1 liter amber glass HCL	BP2N 500 ml plastic HNO3	DG9T 40 ml clear vial Na Thio	WGFU 4 oz clear jar unpres	ZPLC ziploc bag
AG4S 125 ml amber glass H2SO4	BP2Z 500 ml plastic NaOH, Znact	VG9U 40 ml clear vial unpres	WPFU 4 oz plastic jar unpres	
AG4U 120 ml amber glass unpres	BP3U 250 ml plastic unpres	VG9H 40 ml clear vial HCL		
AG5U 100 ml amber glass unpres	BP3C 250 ml plastic NaOH	VG9M 40 ml clear vial MeOH		
AG2S 500 ml amber glass H2SO4	BP3N 250 ml plastic HNO3	VG9D 40 ml clear vial DI		
BG3U 250 ml clear glass unpres	BP3S 250 ml plastic H2SO4			



Document Name: Sample Condition Upon Receipt (SCUR)
Document No.: F-GB-C-031-Rev.07

Document Revised: 25Apr2018
Issuing Authority: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project #: **WO#: 40171657**

Client Name: Environmental Audits

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

Tracking #: _____

Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No

Custody Seal on Samples Present: Yes No Seals intact: Yes No

Packing Material: Bubble Wrap Bubble Bags None Other _____

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

Cooler Temperature Uncorr: _____ / Corr: ROI

Temp Blank Present: Yes No Biological Tissue is Frozen: Yes No

Person examining contents:
Date: 6/28/18
Initials: JL

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

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<u>6/28/18 JL</u> <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>no collect date/time</u> <u>6/28/18 JL</u>
Chain of Custody Relinquished:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input 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. <u>ID: TD P3 MW 24; collect date</u> <u>6/28/18</u> <u>6/28/18 JL</u>
-Includes date/time/ID/Analysis Matrix: <u>W</u>		
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" 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: RJR for DM Date: 6/28/18

May 31, 2018

John Ruetz
Environmental Audits Inc
11327 W Lincoln Ave
West Allis, WI 53227

RE: Project: TD P3 2ND QTR GW
Pace Project No.: 40169810

Dear John Ruetz:

Enclosed are the analytical results for sample(s) received by the laboratory on May 25, 2018. 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: Ed Raymond, Environmental Audits, Inc
Stephanie Wagner, Environmental Audits, Inc.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: TD P3 2ND QTR GW

Pace Project No.: 40169810

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 2ND QTR GW

Pace Project No.: 40169810

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40169810001	MW-1	Water	05/23/18 00:00	05/25/18 09:45
40169810002	MW-2	Water	05/23/18 00:00	05/25/18 09:45
40169810003	MW-6	Water	05/23/18 00:00	05/25/18 09:45
40169810004	MW-7	Water	05/23/18 00:00	05/25/18 09:45
40169810005	MW-9	Water	05/23/18 00:00	05/25/18 09:45
40169810006	MW-10	Water	05/23/18 00:00	05/25/18 09:45
40169810007	MW-17	Water	05/23/18 00:00	05/25/18 09:45
40169810008	MW-22	Water	05/23/18 00:00	05/25/18 09:45
40169810009	MW-23	Water	05/23/18 00:00	05/25/18 09:45
40169810010	MW-25	Water	05/23/18 00:00	05/25/18 09:45
40169810011	TRIP BLANK	Water	05/23/18 00:00	05/25/18 09:45

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SAMPLE ANALYTE COUNT

Project: TD P3 2ND QTR GW

Pace Project No.: 40169810

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40169810001	MW-1	EPA 8260	LAP	64
40169810002	MW-2	EPA 8260	LAP	64
40169810003	MW-6	EPA 8260	LAP	64
40169810004	MW-7	EPA 8260	LAP	64
40169810005	MW-9	EPA 8260	LAP	64
40169810006	MW-10	EPA 8260	LAP	64
40169810007	MW-17	EPA 8260	LAP	64
40169810008	MW-22	EPA 8260	LAP	64
40169810009	MW-23	EPA 8260	LAP	64
40169810010	MW-25	EPA 8260	LAP	64
40169810011	TRIP BLANK	EPA 8260	LAP	64

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ANALYTICAL RESULTS

Project: TD P3 2ND QTR GW

Pace Project No.: 40169810

Sample: MW-1 **Lab ID: 40169810001** Collected: 05/23/18 00:00 Received: 05/25/18 09:45 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		05/30/18 14:09	630-20-6	
1,1,1-Trichloroethane	12.1	ug/L	1.0	0.50	1		05/30/18 14:09	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		05/30/18 14:09	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		05/30/18 14:09	79-00-5	
1,1-Dichloroethane	60.9	ug/L	1.0	0.24	1		05/30/18 14:09	75-34-3	
1,1-Dichloroethene	0.75J	ug/L	1.0	0.41	1		05/30/18 14:09	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		05/30/18 14:09	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		05/30/18 14:09	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		05/30/18 14:09	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		05/30/18 14:09	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 14:09	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		05/30/18 14:09	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		05/30/18 14:09	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 14:09	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		05/30/18 14:09	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		05/30/18 14:09	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 14:09	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 14:09	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		05/30/18 14:09	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 14:09	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		05/30/18 14:09	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		05/30/18 14:09	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		05/30/18 14:09	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		05/30/18 14:09	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		05/30/18 14:09	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		05/30/18 14:09	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		05/30/18 14:09	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		05/30/18 14:09	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		05/30/18 14:09	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		05/30/18 14:09	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 14:09	108-90-7	
Chloroethane	9.7	ug/L	1.0	0.37	1		05/30/18 14:09	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		05/30/18 14:09	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		05/30/18 14:09	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		05/30/18 14:09	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		05/30/18 14:09	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		05/30/18 14:09	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		05/30/18 14:09	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 14:09	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		05/30/18 14:09	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		05/30/18 14:09	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		05/30/18 14:09	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		05/30/18 14:09	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		05/30/18 14:09	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		05/30/18 14:09	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		05/30/18 14:09	127-18-4	

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ANALYTICAL RESULTS

Project: TD P3 2ND QTR GW
Pace Project No.: 40169810

Sample: MW-1 **Lab ID: 40169810001** Collected: 05/23/18 00:00 Received: 05/25/18 09:45 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		05/30/18 14:09	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		05/30/18 14:09	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		05/30/18 14:09	75-69-4	
Vinyl chloride	3.3	ug/L	1.0	0.18	1		05/30/18 14:09	75-01-4	
cis-1,2-Dichloroethene	0.71J	ug/L	1.0	0.26	1		05/30/18 14:09	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		05/30/18 14:09	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		05/30/18 14:09	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 14:09	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 14:09	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		05/30/18 14:09	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		05/30/18 14:09	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		05/30/18 14:09	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		05/30/18 14:09	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/30/18 14:09	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		05/30/18 14:09	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	88	%	61-130		1		05/30/18 14:09	460-00-4	
Dibromofluoromethane (S)	99	%	67-130		1		05/30/18 14:09	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		05/30/18 14:09	2037-26-5	

Sample: MW-2 **Lab ID: 40169810002** Collected: 05/23/18 00:00 Received: 05/25/18 09:45 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		05/30/18 14:31	630-20-6	
1,1,1-Trichloroethane	5.0	ug/L	1.0	0.50	1		05/30/18 14:31	71-55-6	
1,1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		05/30/18 14:31	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		05/30/18 14:31	79-00-5	
1,1-Dichloroethane	23.8	ug/L	1.0	0.24	1		05/30/18 14:31	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		05/30/18 14:31	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		05/30/18 14:31	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		05/30/18 14:31	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		05/30/18 14:31	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		05/30/18 14:31	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 14:31	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		05/30/18 14:31	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		05/30/18 14:31	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 14:31	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		05/30/18 14:31	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		05/30/18 14:31	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 14:31	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 14:31	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		05/30/18 14:31	142-28-9	

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ANALYTICAL RESULTS

Project: TD P3 2ND QTR GW
Pace Project No.: 40169810

Sample: MW-2 **Lab ID: 40169810002** Collected: 05/23/18 00:00 Received: 05/25/18 09:45 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		05/30/18 14:31	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		05/30/18 14:31	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		05/30/18 14:31	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		05/30/18 14:31	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		05/30/18 14:31	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		05/30/18 14:31	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		05/30/18 14:31	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		05/30/18 14:31	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		05/30/18 14:31	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		05/30/18 14:31	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		05/30/18 14:31	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 14:31	108-90-7	
Chloroethane	5.7	ug/L	1.0	0.37	1		05/30/18 14:31	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		05/30/18 14:31	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		05/30/18 14:31	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		05/30/18 14:31	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		05/30/18 14:31	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		05/30/18 14:31	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		05/30/18 14:31	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 14:31	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		05/30/18 14:31	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		05/30/18 14:31	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		05/30/18 14:31	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		05/30/18 14:31	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		05/30/18 14:31	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		05/30/18 14:31	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		05/30/18 14:31	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		05/30/18 14:31	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		05/30/18 14:31	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		05/30/18 14:31	75-69-4	
Vinyl chloride	0.40J	ug/L	1.0	0.18	1		05/30/18 14:31	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/30/18 14:31	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		05/30/18 14:31	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		05/30/18 14:31	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 14:31	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 14:31	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		05/30/18 14:31	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		05/30/18 14:31	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		05/30/18 14:31	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		05/30/18 14:31	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/30/18 14:31	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		05/30/18 14:31	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	61-130		1		05/30/18 14:31	460-00-4	
Dibromofluoromethane (S)	97	%	67-130		1		05/30/18 14:31	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		05/30/18 14:31	2037-26-5	

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ANALYTICAL RESULTS

Project: TD P3 2ND QTR GW

Pace Project No.: 40169810

Sample: MW-6 **Lab ID: 40169810003** Collected: 05/23/18 00:00 Received: 05/25/18 09:45 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		05/30/18 10:28	630-20-6	
1,1,1-Trichloroethane	34.1	ug/L	2.5	1.2	2.5		05/30/18 10:28	71-55-6	
1,1,2,2-Tetrachloroethane	<0.62	ug/L	2.5	0.62	2.5		05/30/18 10:28	79-34-5	
1,1,2-Trichloroethane	<0.49	ug/L	2.5	0.49	2.5		05/30/18 10:28	79-00-5	
1,1-Dichloroethane	175	ug/L	2.5	0.60	2.5		05/30/18 10:28	75-34-3	
1,1-Dichloroethene	2.3J	ug/L	2.5	1.0	2.5		05/30/18 10:28	75-35-4	
1,1-Dichloropropene	<1.1	ug/L	2.5	1.1	2.5		05/30/18 10:28	563-58-6	
1,2,3-Trichlorobenzene	<5.3	ug/L	12.5	5.3	2.5		05/30/18 10:28	87-61-6	
1,2,3-Trichloropropane	<1.2	ug/L	2.5	1.2	2.5		05/30/18 10:28	96-18-4	
1,2,4-Trichlorobenzene	<5.5	ug/L	12.5	5.5	2.5		05/30/18 10:28	120-82-1	
1,2,4-Trimethylbenzene	<1.2	ug/L	2.5	1.2	2.5		05/30/18 10:28	95-63-6	
1,2-Dibromo-3-chloropropane	<5.4	ug/L	12.5	5.4	2.5		05/30/18 10:28	96-12-8	
1,2-Dibromoethane (EDB)	<0.44	ug/L	2.5	0.44	2.5		05/30/18 10:28	106-93-4	
1,2-Dichlorobenzene	<1.2	ug/L	2.5	1.2	2.5		05/30/18 10:28	95-50-1	
1,2-Dichloroethane	<0.42	ug/L	2.5	0.42	2.5		05/30/18 10:28	107-06-2	
1,2-Dichloropropane	<0.58	ug/L	2.5	0.58	2.5		05/30/18 10:28	78-87-5	
1,3,5-Trimethylbenzene	<1.2	ug/L	2.5	1.2	2.5		05/30/18 10:28	108-67-8	
1,3-Dichlorobenzene	<1.2	ug/L	2.5	1.2	2.5		05/30/18 10:28	541-73-1	
1,3-Dichloropropane	<1.2	ug/L	2.5	1.2	2.5		05/30/18 10:28	142-28-9	
1,4-Dichlorobenzene	<1.2	ug/L	2.5	1.2	2.5		05/30/18 10:28	106-46-7	
2,2-Dichloropropane	<1.2	ug/L	2.5	1.2	2.5		05/30/18 10:28	594-20-7	
2-Chlorotoluene	<1.2	ug/L	2.5	1.2	2.5		05/30/18 10:28	95-49-8	
4-Chlorotoluene	<0.53	ug/L	2.5	0.53	2.5		05/30/18 10:28	106-43-4	
Benzene	<1.2	ug/L	2.5	1.2	2.5		05/30/18 10:28	71-43-2	
Bromobenzene	<0.58	ug/L	2.5	0.58	2.5		05/30/18 10:28	108-86-1	
Bromochloromethane	<0.85	ug/L	2.5	0.85	2.5		05/30/18 10:28	74-97-5	
Bromodichloromethane	<1.2	ug/L	2.5	1.2	2.5		05/30/18 10:28	75-27-4	
Bromoform	<1.2	ug/L	2.5	1.2	2.5		05/30/18 10:28	75-25-2	
Bromomethane	<6.1	ug/L	12.5	6.1	2.5		05/30/18 10:28	74-83-9	
Carbon tetrachloride	<1.2	ug/L	2.5	1.2	2.5		05/30/18 10:28	56-23-5	
Chlorobenzene	<1.2	ug/L	2.5	1.2	2.5		05/30/18 10:28	108-90-7	
Chloroethane	18.2	ug/L	2.5	0.94	2.5		05/30/18 10:28	75-00-3	
Chloroform	<6.2	ug/L	12.5	6.2	2.5		05/30/18 10:28	67-66-3	
Chloromethane	<1.2	ug/L	2.5	1.2	2.5		05/30/18 10:28	74-87-3	
Dibromochloromethane	<1.2	ug/L	2.5	1.2	2.5		05/30/18 10:28	124-48-1	
Dibromomethane	<1.1	ug/L	2.5	1.1	2.5		05/30/18 10:28	74-95-3	
Dichlorodifluoromethane	<0.56	ug/L	2.5	0.56	2.5		05/30/18 10:28	75-71-8	
Diisopropyl ether	<1.2	ug/L	2.5	1.2	2.5		05/30/18 10:28	108-20-3	
Ethylbenzene	<1.2	ug/L	2.5	1.2	2.5		05/30/18 10:28	100-41-4	
Hexachloro-1,3-butadiene	<5.3	ug/L	12.5	5.3	2.5		05/30/18 10:28	87-68-3	
Isopropylbenzene (Cumene)	<0.36	ug/L	2.5	0.36	2.5		05/30/18 10:28	98-82-8	
Methyl-tert-butyl ether	<0.44	ug/L	2.5	0.44	2.5		05/30/18 10:28	1634-04-4	
Methylene Chloride	<0.58	ug/L	2.5	0.58	2.5		05/30/18 10:28	75-09-2	
Naphthalene	<6.2	ug/L	12.5	6.2	2.5		05/30/18 10:28	91-20-3	
Styrene	<1.2	ug/L	2.5	1.2	2.5		05/30/18 10:28	100-42-5	
Tetrachloroethene	<1.2	ug/L	2.5	1.2	2.5		05/30/18 10:28	127-18-4	

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ANALYTICAL RESULTS

Project: TD P3 2ND QTR GW

Pace Project No.: 40169810

Sample: MW-6 Lab ID: 40169810003 Collected: 05/23/18 00:00 Received: 05/25/18 09:45 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		05/30/18 10:28	108-88-3	
Trichloroethene	<0.83	ug/L	2.5	0.83	2.5		05/30/18 10:28	79-01-6	
Trichlorofluoromethane	<0.46	ug/L	2.5	0.46	2.5		05/30/18 10:28	75-69-4	
Vinyl chloride	1.5J	ug/L	2.5	0.44	2.5		05/30/18 10:28	75-01-4	
cis-1,2-Dichloroethene	0.95J	ug/L	2.5	0.64	2.5		05/30/18 10:28	156-59-2	
cis-1,3-Dichloropropene	<1.2	ug/L	2.5	1.2	2.5		05/30/18 10:28	10061-01-5	
m&p-Xylene	<2.5	ug/L	5.0	2.5	2.5		05/30/18 10:28	179601-23-1	
n-Butylbenzene	<1.2	ug/L	2.5	1.2	2.5		05/30/18 10:28	104-51-8	
n-Propylbenzene	<1.2	ug/L	2.5	1.2	2.5		05/30/18 10:28	103-65-1	
o-Xylene	<1.2	ug/L	2.5	1.2	2.5		05/30/18 10:28	95-47-6	
p-Isopropyltoluene	<1.2	ug/L	2.5	1.2	2.5		05/30/18 10:28	99-87-6	
sec-Butylbenzene	<5.5	ug/L	12.5	5.5	2.5		05/30/18 10:28	135-98-8	
tert-Butylbenzene	<0.45	ug/L	2.5	0.45	2.5		05/30/18 10:28	98-06-6	
trans-1,2-Dichloroethene	<0.64	ug/L	2.5	0.64	2.5		05/30/18 10:28	156-60-5	
trans-1,3-Dichloropropene	<0.57	ug/L	2.5	0.57	2.5		05/30/18 10:28	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	85	%	61-130		2.5		05/30/18 10:28	460-00-4	
Dibromofluoromethane (S)	99	%	67-130		2.5		05/30/18 10:28	1868-53-7	
Toluene-d8 (S)	100	%	70-130		2.5		05/30/18 10:28	2037-26-5	

Sample: MW-7 Lab ID: 40169810004 Collected: 05/23/18 00:00 Received: 05/25/18 09:45 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		05/30/18 17:05	630-20-6	
1,1,1-Trichloroethane	25.7	ug/L	1.0	0.50	1		05/30/18 17:05	71-55-6	
1,1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		05/30/18 17:05	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		05/30/18 17:05	79-00-5	
1,1-Dichloroethane	52.7	ug/L	1.0	0.24	1		05/30/18 17:05	75-34-3	
1,1-Dichloroethene	1.7	ug/L	1.0	0.41	1		05/30/18 17:05	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		05/30/18 17:05	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		05/30/18 17:05	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		05/30/18 17:05	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		05/30/18 17:05	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 17:05	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		05/30/18 17:05	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		05/30/18 17:05	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 17:05	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		05/30/18 17:05	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		05/30/18 17:05	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 17:05	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 17:05	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		05/30/18 17:05	142-28-9	

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ANALYTICAL RESULTS

Project: TD P3 2ND QTR GW

Pace Project No.: 40169810

Sample: MW-7 **Lab ID: 40169810004** Collected: 05/23/18 00:00 Received: 05/25/18 09:45 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		05/30/18 17:05	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		05/30/18 17:05	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		05/30/18 17:05	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		05/30/18 17:05	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		05/30/18 17:05	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		05/30/18 17:05	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		05/30/18 17:05	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		05/30/18 17:05	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		05/30/18 17:05	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		05/30/18 17:05	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		05/30/18 17:05	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 17:05	108-90-7	
Chloroethane	5.8	ug/L	1.0	0.37	1		05/30/18 17:05	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		05/30/18 17:05	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		05/30/18 17:05	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		05/30/18 17:05	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		05/30/18 17:05	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		05/30/18 17:05	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		05/30/18 17:05	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 17:05	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		05/30/18 17:05	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		05/30/18 17:05	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		05/30/18 17:05	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		05/30/18 17:05	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		05/30/18 17:05	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		05/30/18 17:05	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		05/30/18 17:05	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		05/30/18 17:05	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		05/30/18 17:05	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		05/30/18 17:05	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		05/30/18 17:05	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/30/18 17:05	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		05/30/18 17:05	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		05/30/18 17:05	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 17:05	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 17:05	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		05/30/18 17:05	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		05/30/18 17:05	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		05/30/18 17:05	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		05/30/18 17:05	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/30/18 17:05	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		05/30/18 17:05	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	86	%	61-130		1		05/30/18 17:05	460-00-4	
Dibromofluoromethane (S)	99	%	67-130		1		05/30/18 17:05	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		05/30/18 17:05	2037-26-5	

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ANALYTICAL RESULTS

Project: TD P3 2ND QTR GW

Pace Project No.: 40169810

Sample: MW-9 Lab ID: 40169810005 Collected: 05/23/18 00:00 Received: 05/25/18 09:45 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		05/30/18 14:53	630-20-6	
1,1,1-Trichloroethane	19.5	ug/L	1.0	0.50	1		05/30/18 14:53	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		05/30/18 14:53	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		05/30/18 14:53	79-00-5	
1,1-Dichloroethane	33.8	ug/L	1.0	0.24	1		05/30/18 14:53	75-34-3	
1,1-Dichloroethene	1.2	ug/L	1.0	0.41	1		05/30/18 14:53	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		05/30/18 14:53	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		05/30/18 14:53	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		05/30/18 14:53	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		05/30/18 14:53	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 14:53	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		05/30/18 14:53	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		05/30/18 14:53	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 14:53	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		05/30/18 14:53	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		05/30/18 14:53	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 14:53	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 14:53	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		05/30/18 14:53	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 14:53	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		05/30/18 14:53	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		05/30/18 14:53	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		05/30/18 14:53	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		05/30/18 14:53	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		05/30/18 14:53	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		05/30/18 14:53	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		05/30/18 14:53	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		05/30/18 14:53	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		05/30/18 14:53	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		05/30/18 14:53	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 14:53	108-90-7	
Chloroethane	2.2	ug/L	1.0	0.37	1		05/30/18 14:53	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		05/30/18 14:53	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		05/30/18 14:53	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		05/30/18 14:53	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		05/30/18 14:53	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		05/30/18 14:53	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		05/30/18 14:53	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 14:53	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		05/30/18 14:53	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		05/30/18 14:53	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		05/30/18 14:53	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		05/30/18 14:53	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		05/30/18 14:53	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		05/30/18 14:53	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		05/30/18 14:53	127-18-4	

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ANALYTICAL RESULTS

Project: TD P3 2ND QTR GW

Pace Project No.: 40169810

Sample: MW-9 **Lab ID: 40169810005** Collected: 05/23/18 00:00 Received: 05/25/18 09:45 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		05/30/18 14:53	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		05/30/18 14:53	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		05/30/18 14:53	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		05/30/18 14:53	75-01-4	
cis-1,2-Dichloroethene	0.89J	ug/L	1.0	0.26	1		05/30/18 14:53	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		05/30/18 14:53	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		05/30/18 14:53	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 14:53	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 14:53	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		05/30/18 14:53	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		05/30/18 14:53	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		05/30/18 14:53	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		05/30/18 14:53	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/30/18 14:53	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		05/30/18 14:53	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	61-130		1		05/30/18 14:53	460-00-4	
Dibromofluoromethane (S)	99	%	67-130		1		05/30/18 14:53	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		05/30/18 14:53	2037-26-5	

Sample: MW-10 **Lab ID: 40169810006** Collected: 05/23/18 00:00 Received: 05/25/18 09:45 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		05/30/18 16:43	630-20-6	
1,1,1-Trichloroethane	14.2	ug/L	1.0	0.50	1		05/30/18 16:43	71-55-6	
1,1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		05/30/18 16:43	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		05/30/18 16:43	79-00-5	
1,1-Dichloroethane	15.8	ug/L	1.0	0.24	1		05/30/18 16:43	75-34-3	
1,1-Dichloroethene	0.73J	ug/L	1.0	0.41	1		05/30/18 16:43	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		05/30/18 16:43	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		05/30/18 16:43	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		05/30/18 16:43	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		05/30/18 16:43	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 16:43	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		05/30/18 16:43	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		05/30/18 16:43	106-93-4	
1,2-Dichlorobenzene	1.2	ug/L	1.0	0.50	1		05/30/18 16:43	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		05/30/18 16:43	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		05/30/18 16:43	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 16:43	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 16:43	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		05/30/18 16:43	142-28-9	

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ANALYTICAL RESULTS

Project: TD P3 2ND QTR GW
Pace Project No.: 40169810

Sample: MW-10 **Lab ID: 40169810006** Collected: 05/23/18 00:00 Received: 05/25/18 09:45 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		05/30/18 16:43	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		05/30/18 16:43	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		05/30/18 16:43	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		05/30/18 16:43	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		05/30/18 16:43	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		05/30/18 16:43	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		05/30/18 16:43	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		05/30/18 16:43	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		05/30/18 16:43	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		05/30/18 16:43	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		05/30/18 16:43	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 16:43	108-90-7	
Chloroethane	1.6	ug/L	1.0	0.37	1		05/30/18 16:43	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		05/30/18 16:43	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		05/30/18 16:43	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		05/30/18 16:43	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		05/30/18 16:43	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		05/30/18 16:43	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		05/30/18 16:43	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 16:43	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		05/30/18 16:43	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		05/30/18 16:43	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		05/30/18 16:43	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		05/30/18 16:43	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		05/30/18 16:43	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		05/30/18 16:43	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		05/30/18 16:43	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		05/30/18 16:43	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		05/30/18 16:43	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		05/30/18 16:43	75-69-4	
Vinyl chloride	73.0	ug/L	1.0	0.18	1		05/30/18 16:43	75-01-4	
cis-1,2-Dichloroethene	1.3	ug/L	1.0	0.26	1		05/30/18 16:43	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		05/30/18 16:43	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		05/30/18 16:43	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 16:43	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 16:43	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		05/30/18 16:43	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		05/30/18 16:43	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		05/30/18 16:43	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		05/30/18 16:43	98-06-6	
trans-1,2-Dichloroethene	2.7	ug/L	1.0	0.26	1		05/30/18 16:43	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		05/30/18 16:43	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	85	%	61-130		1		05/30/18 16:43	460-00-4	
Dibromofluoromethane (S)	101	%	67-130		1		05/30/18 16:43	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		05/30/18 16:43	2037-26-5	

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ANALYTICAL RESULTS

Project: TD P3 2ND QTR GW

Pace Project No.: 40169810

Sample: MW-17 **Lab ID: 40169810007** Collected: 05/23/18 00:00 Received: 05/25/18 09:45 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		05/30/18 09:36	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		05/30/18 09:36	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		05/30/18 09:36	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		05/30/18 09:36	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		05/30/18 09:36	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		05/30/18 09:36	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		05/30/18 09:36	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		05/30/18 09:36	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		05/30/18 09:36	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		05/30/18 09:36	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 09:36	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		05/30/18 09:36	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		05/30/18 09:36	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 09:36	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		05/30/18 09:36	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		05/30/18 09:36	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 09:36	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 09:36	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		05/30/18 09:36	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 09:36	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		05/30/18 09:36	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		05/30/18 09:36	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		05/30/18 09:36	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		05/30/18 09:36	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		05/30/18 09:36	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		05/30/18 09:36	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		05/30/18 09:36	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		05/30/18 09:36	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		05/30/18 09:36	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		05/30/18 09:36	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 09:36	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		05/30/18 09:36	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		05/30/18 09:36	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		05/30/18 09:36	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		05/30/18 09:36	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		05/30/18 09:36	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		05/30/18 09:36	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		05/30/18 09:36	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 09:36	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		05/30/18 09:36	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		05/30/18 09:36	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		05/30/18 09:36	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		05/30/18 09:36	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		05/30/18 09:36	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		05/30/18 09:36	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		05/30/18 09:36	127-18-4	

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ANALYTICAL RESULTS

Project: TD P3 2ND QTR GW

Pace Project No.: 40169810

Sample: MW-17 **Lab ID: 40169810007** Collected: 05/23/18 00:00 Received: 05/25/18 09:45 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		05/30/18 09:36	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		05/30/18 09:36	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		05/30/18 09:36	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		05/30/18 09:36	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/30/18 09:36	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		05/30/18 09:36	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		05/30/18 09:36	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 09:36	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 09:36	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		05/30/18 09:36	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		05/30/18 09:36	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		05/30/18 09:36	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		05/30/18 09:36	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/30/18 09:36	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		05/30/18 09:36	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	61-130		1		05/30/18 09:36	460-00-4	
Dibromofluoromethane (S)	99	%	67-130		1		05/30/18 09:36	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		05/30/18 09:36	2037-26-5	

Sample: MW-22 **Lab ID: 40169810008** Collected: 05/23/18 00:00 Received: 05/25/18 09:45 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		05/30/18 15:15	630-20-6	
1,1,1-Trichloroethane	13.0	ug/L	1.0	0.50	1		05/30/18 15:15	71-55-6	
1,1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		05/30/18 15:15	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		05/30/18 15:15	79-00-5	
1,1-Dichloroethane	14.0	ug/L	1.0	0.24	1		05/30/18 15:15	75-34-3	
1,1-Dichloroethene	0.66J	ug/L	1.0	0.41	1		05/30/18 15:15	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		05/30/18 15:15	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		05/30/18 15:15	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		05/30/18 15:15	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		05/30/18 15:15	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 15:15	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		05/30/18 15:15	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		05/30/18 15:15	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 15:15	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		05/30/18 15:15	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		05/30/18 15:15	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 15:15	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 15:15	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		05/30/18 15:15	142-28-9	

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ANALYTICAL RESULTS

Project: TD P3 2ND QTR GW

Pace Project No.: 40169810

Sample: MW-22 **Lab ID: 40169810008** Collected: 05/23/18 00:00 Received: 05/25/18 09:45 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		05/30/18 15:15	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		05/30/18 15:15	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		05/30/18 15:15	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		05/30/18 15:15	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		05/30/18 15:15	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		05/30/18 15:15	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		05/30/18 15:15	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		05/30/18 15:15	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		05/30/18 15:15	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		05/30/18 15:15	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		05/30/18 15:15	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 15:15	108-90-7	
Chloroethane	1.5	ug/L	1.0	0.37	1		05/30/18 15:15	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		05/30/18 15:15	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		05/30/18 15:15	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		05/30/18 15:15	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		05/30/18 15:15	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		05/30/18 15:15	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		05/30/18 15:15	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 15:15	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		05/30/18 15:15	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		05/30/18 15:15	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		05/30/18 15:15	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		05/30/18 15:15	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		05/30/18 15:15	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		05/30/18 15:15	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		05/30/18 15:15	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		05/30/18 15:15	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		05/30/18 15:15	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		05/30/18 15:15	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		05/30/18 15:15	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/30/18 15:15	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		05/30/18 15:15	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		05/30/18 15:15	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 15:15	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 15:15	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		05/30/18 15:15	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		05/30/18 15:15	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		05/30/18 15:15	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		05/30/18 15:15	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/30/18 15:15	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		05/30/18 15:15	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	79	%	61-130		1		05/30/18 15:15	460-00-4	
Dibromofluoromethane (S)	100	%	67-130		1		05/30/18 15:15	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		05/30/18 15:15	2037-26-5	

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ANALYTICAL RESULTS

Project: TD P3 2ND QTR GW

Pace Project No.: 40169810

Sample: MW-23 **Lab ID: 40169810009** Collected: 05/23/18 00:00 Received: 05/25/18 09:45 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		05/30/18 15:37	630-20-6	
1,1,1-Trichloroethane	26.6	ug/L	1.0	0.50	1		05/30/18 15:37	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		05/30/18 15:37	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		05/30/18 15:37	79-00-5	
1,1-Dichloroethane	24.5	ug/L	1.0	0.24	1		05/30/18 15:37	75-34-3	
1,1-Dichloroethene	1.7	ug/L	1.0	0.41	1		05/30/18 15:37	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		05/30/18 15:37	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		05/30/18 15:37	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		05/30/18 15:37	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		05/30/18 15:37	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 15:37	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		05/30/18 15:37	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		05/30/18 15:37	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 15:37	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		05/30/18 15:37	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		05/30/18 15:37	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 15:37	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 15:37	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		05/30/18 15:37	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 15:37	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		05/30/18 15:37	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		05/30/18 15:37	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		05/30/18 15:37	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		05/30/18 15:37	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		05/30/18 15:37	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		05/30/18 15:37	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		05/30/18 15:37	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		05/30/18 15:37	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		05/30/18 15:37	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		05/30/18 15:37	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 15:37	108-90-7	
Chloroethane	3.5	ug/L	1.0	0.37	1		05/30/18 15:37	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		05/30/18 15:37	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		05/30/18 15:37	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		05/30/18 15:37	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		05/30/18 15:37	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		05/30/18 15:37	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		05/30/18 15:37	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 15:37	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		05/30/18 15:37	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		05/30/18 15:37	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		05/30/18 15:37	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		05/30/18 15:37	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		05/30/18 15:37	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		05/30/18 15:37	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		05/30/18 15:37	127-18-4	

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ANALYTICAL RESULTS

Project: TD P3 2ND QTR GW

Pace Project No.: 40169810

Sample: MW-23 **Lab ID: 40169810009** Collected: 05/23/18 00:00 Received: 05/25/18 09:45 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		05/30/18 15:37	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		05/30/18 15:37	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		05/30/18 15:37	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		05/30/18 15:37	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/30/18 15:37	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		05/30/18 15:37	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		05/30/18 15:37	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 15:37	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 15:37	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		05/30/18 15:37	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		05/30/18 15:37	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		05/30/18 15:37	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		05/30/18 15:37	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/30/18 15:37	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		05/30/18 15:37	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	61-130		1		05/30/18 15:37	460-00-4	
Dibromofluoromethane (S)	103	%	67-130		1		05/30/18 15:37	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		05/30/18 15:37	2037-26-5	

Sample: MW-25 **Lab ID: 40169810010** Collected: 05/23/18 00:00 Received: 05/25/18 09:45 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		05/30/18 12:40	630-20-6	
1,1,1-Trichloroethane	49.7	ug/L	1.0	0.50	1		05/30/18 12:40	71-55-6	
1,1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		05/30/18 12:40	79-34-5	
1,1,2-Trichloroethane	0.36J	ug/L	1.0	0.20	1		05/30/18 12:40	79-00-5	
1,1-Dichloroethane	151	ug/L	1.0	0.24	1		05/30/18 12:40	75-34-3	
1,1-Dichloroethene	3.4	ug/L	1.0	0.41	1		05/30/18 12:40	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		05/30/18 12:40	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		05/30/18 12:40	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		05/30/18 12:40	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		05/30/18 12:40	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 12:40	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		05/30/18 12:40	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		05/30/18 12:40	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 12:40	95-50-1	
1,2-Dichloroethane	0.49J	ug/L	1.0	0.17	1		05/30/18 12:40	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		05/30/18 12:40	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 12:40	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 12:40	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		05/30/18 12:40	142-28-9	

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ANALYTICAL RESULTS

Project: TD P3 2ND QTR GW

Pace Project No.: 40169810

Sample: MW-25 **Lab ID: 40169810010** Collected: 05/23/18 00:00 Received: 05/25/18 09:45 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		05/30/18 12:40	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		05/30/18 12:40	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		05/30/18 12:40	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		05/30/18 12:40	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		05/30/18 12:40	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		05/30/18 12:40	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		05/30/18 12:40	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		05/30/18 12:40	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		05/30/18 12:40	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		05/30/18 12:40	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		05/30/18 12:40	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 12:40	108-90-7	
Chloroethane	8.6	ug/L	1.0	0.37	1		05/30/18 12:40	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		05/30/18 12:40	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		05/30/18 12:40	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		05/30/18 12:40	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		05/30/18 12:40	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		05/30/18 12:40	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		05/30/18 12:40	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 12:40	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		05/30/18 12:40	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		05/30/18 12:40	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		05/30/18 12:40	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		05/30/18 12:40	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		05/30/18 12:40	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		05/30/18 12:40	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		05/30/18 12:40	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		05/30/18 12:40	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		05/30/18 12:40	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		05/30/18 12:40	75-69-4	
Vinyl chloride	1.8	ug/L	1.0	0.18	1		05/30/18 12:40	75-01-4	
cis-1,2-Dichloroethene	4.2	ug/L	1.0	0.26	1		05/30/18 12:40	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		05/30/18 12:40	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		05/30/18 12:40	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 12:40	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 12:40	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		05/30/18 12:40	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		05/30/18 12:40	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		05/30/18 12:40	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		05/30/18 12:40	98-06-6	
trans-1,2-Dichloroethene	0.66J	ug/L	1.0	0.26	1		05/30/18 12:40	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		05/30/18 12:40	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	83	%	61-130		1		05/30/18 12:40	460-00-4	
Dibromofluoromethane (S)	100	%	67-130		1		05/30/18 12:40	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		05/30/18 12:40	2037-26-5	

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ANALYTICAL RESULTS

Project: TD P3 2ND QTR GW

Pace Project No.: 40169810

Sample: TRIP BLANK **Lab ID: 40169810011** Collected: 05/23/18 00:00 Received: 05/25/18 09:45 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		05/30/18 09:13	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		05/30/18 09:13	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		05/30/18 09:13	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		05/30/18 09:13	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		05/30/18 09:13	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		05/30/18 09:13	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		05/30/18 09:13	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		05/30/18 09:13	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		05/30/18 09:13	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		05/30/18 09:13	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 09:13	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		05/30/18 09:13	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		05/30/18 09:13	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 09:13	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		05/30/18 09:13	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		05/30/18 09:13	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 09:13	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 09:13	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		05/30/18 09:13	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 09:13	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		05/30/18 09:13	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		05/30/18 09:13	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		05/30/18 09:13	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		05/30/18 09:13	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		05/30/18 09:13	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		05/30/18 09:13	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		05/30/18 09:13	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		05/30/18 09:13	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		05/30/18 09:13	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		05/30/18 09:13	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 09:13	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		05/30/18 09:13	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		05/30/18 09:13	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		05/30/18 09:13	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		05/30/18 09:13	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		05/30/18 09:13	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		05/30/18 09:13	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		05/30/18 09:13	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 09:13	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		05/30/18 09:13	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		05/30/18 09:13	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		05/30/18 09:13	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		05/30/18 09:13	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		05/30/18 09:13	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		05/30/18 09:13	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		05/30/18 09:13	127-18-4	

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ANALYTICAL RESULTS

Project: TD P3 2ND QTR GW
Pace Project No.: 40169810

Sample: TRIP BLANK **Lab ID: 40169810011** Collected: 05/23/18 00:00 Received: 05/25/18 09:45 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		05/30/18 09:13	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		05/30/18 09:13	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		05/30/18 09:13	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		05/30/18 09:13	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/30/18 09:13	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		05/30/18 09:13	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		05/30/18 09:13	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 09:13	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		05/30/18 09:13	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		05/30/18 09:13	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		05/30/18 09:13	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		05/30/18 09:13	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		05/30/18 09:13	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/30/18 09:13	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		05/30/18 09:13	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	61-130		1		05/30/18 09:13	460-00-4	
Dibromofluoromethane (S)	99	%	67-130		1		05/30/18 09:13	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		05/30/18 09:13	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TD P3 2ND QTR GW
Pace Project No.: 40169810

QC Batch: 290195 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40169810001, 40169810002, 40169810003, 40169810004, 40169810005, 40169810006, 40169810007, 40169810008, 40169810009, 40169810010, 40169810011

METHOD BLANK: 1698501 Matrix: Water
Associated Lab Samples: 40169810001, 40169810002, 40169810003, 40169810004, 40169810005, 40169810006, 40169810007, 40169810008, 40169810009, 40169810010, 40169810011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	05/30/18 07:21	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	05/30/18 07:21	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	05/30/18 07:21	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	05/30/18 07:21	
1,1-Dichloroethane	ug/L	<0.24	1.0	05/30/18 07:21	
1,1-Dichloroethene	ug/L	<0.41	1.0	05/30/18 07:21	
1,1-Dichloropropene	ug/L	<0.44	1.0	05/30/18 07:21	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	05/30/18 07:21	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	05/30/18 07:21	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	05/30/18 07:21	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	05/30/18 07:21	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	05/30/18 07:21	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	05/30/18 07:21	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	05/30/18 07:21	
1,2-Dichloroethane	ug/L	<0.17	1.0	05/30/18 07:21	
1,2-Dichloropropane	ug/L	<0.23	1.0	05/30/18 07:21	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	05/30/18 07:21	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	05/30/18 07:21	
1,3-Dichloropropane	ug/L	<0.50	1.0	05/30/18 07:21	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	05/30/18 07:21	
2,2-Dichloropropane	ug/L	<0.48	1.0	05/30/18 07:21	
2-Chlorotoluene	ug/L	<0.50	1.0	05/30/18 07:21	
4-Chlorotoluene	ug/L	<0.21	1.0	05/30/18 07:21	
Benzene	ug/L	<0.50	1.0	05/30/18 07:21	
Bromobenzene	ug/L	<0.23	1.0	05/30/18 07:21	
Bromochloromethane	ug/L	<0.34	1.0	05/30/18 07:21	
Bromodichloromethane	ug/L	<0.50	1.0	05/30/18 07:21	
Bromoform	ug/L	<0.50	1.0	05/30/18 07:21	
Bromomethane	ug/L	<2.4	5.0	05/30/18 07:21	
Carbon tetrachloride	ug/L	<0.50	1.0	05/30/18 07:21	
Chlorobenzene	ug/L	<0.50	1.0	05/30/18 07:21	
Chloroethane	ug/L	<0.37	1.0	05/30/18 07:21	
Chloroform	ug/L	<2.5	5.0	05/30/18 07:21	
Chloromethane	ug/L	<0.50	1.0	05/30/18 07:21	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	05/30/18 07:21	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	05/30/18 07:21	
Dibromochloromethane	ug/L	<0.50	1.0	05/30/18 07:21	
Dibromomethane	ug/L	<0.43	1.0	05/30/18 07:21	
Dichlorodifluoromethane	ug/L	<0.22	1.0	05/30/18 07:21	
Diisopropyl ether	ug/L	<0.50	1.0	05/30/18 07:21	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TD P3 2ND QTR GW
Pace Project No.: 40169810

METHOD BLANK: 1698501

Matrix: Water

Associated Lab Samples: 40169810001, 40169810002, 40169810003, 40169810004, 40169810005, 40169810006, 40169810007, 40169810008, 40169810009, 40169810010, 40169810011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.50	1.0	05/30/18 07:21	
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	05/30/18 07:21	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	05/30/18 07:21	
m&p-Xylene	ug/L	<1.0	2.0	05/30/18 07:21	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	05/30/18 07:21	
Methylene Chloride	ug/L	<0.23	1.0	05/30/18 07:21	
n-Butylbenzene	ug/L	<0.50	1.0	05/30/18 07:21	
n-Propylbenzene	ug/L	<0.50	1.0	05/30/18 07:21	
Naphthalene	ug/L	<2.5	5.0	05/30/18 07:21	
o-Xylene	ug/L	<0.50	1.0	05/30/18 07:21	
p-Isopropyltoluene	ug/L	<0.50	1.0	05/30/18 07:21	
sec-Butylbenzene	ug/L	<2.2	5.0	05/30/18 07:21	
Styrene	ug/L	<0.50	1.0	05/30/18 07:21	
tert-Butylbenzene	ug/L	<0.18	1.0	05/30/18 07:21	
Tetrachloroethene	ug/L	<0.50	1.0	05/30/18 07:21	
Toluene	ug/L	<0.50	1.0	05/30/18 07:21	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	05/30/18 07:21	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	05/30/18 07:21	
Trichloroethene	ug/L	<0.33	1.0	05/30/18 07:21	
Trichlorofluoromethane	ug/L	<0.18	1.0	05/30/18 07:21	
Vinyl chloride	ug/L	<0.18	1.0	05/30/18 07:21	
4-Bromofluorobenzene (S)	%	85	61-130	05/30/18 07:21	
Dibromofluoromethane (S)	%	97	67-130	05/30/18 07:21	
Toluene-d8 (S)	%	100	70-130	05/30/18 07:21	

LABORATORY CONTROL SAMPLE: 1698502

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	57.3	115	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	51.6	103	70-130	
1,1,2-Trichloroethane	ug/L	50	51.0	102	70-130	
1,1-Dichloroethane	ug/L	50	54.7	109	71-132	
1,1-Dichloroethene	ug/L	50	59.3	119	75-130	
1,2,4-Trichlorobenzene	ug/L	50	48.1	96	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	53.6	107	63-123	
1,2-Dibromoethane (EDB)	ug/L	50	54.3	109	70-130	
1,2-Dichlorobenzene	ug/L	50	54.0	108	70-130	
1,2-Dichloroethane	ug/L	50	54.2	108	70-131	
1,2-Dichloropropane	ug/L	50	52.2	104	80-120	
1,3-Dichlorobenzene	ug/L	50	52.6	105	70-130	
1,4-Dichlorobenzene	ug/L	50	53.9	108	70-130	
Benzene	ug/L	50	50.2	100	73-145	
Bromodichloromethane	ug/L	50	54.0	108	70-130	

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QUALITY CONTROL DATA

Project: TD P3 2ND QTR GW
Pace Project No.: 40169810

LABORATORY CONTROL SAMPLE: 1698502

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/L	50	61.2	122	67-130	
Bromomethane	ug/L	50	42.6	85	26-128	
Carbon tetrachloride	ug/L	50	56.8	114	70-133	
Chlorobenzene	ug/L	50	56.9	114	70-130	
Chloroethane	ug/L	50	46.6	93	58-120	
Chloroform	ug/L	50	54.3	109	80-121	
Chloromethane	ug/L	50	47.7	95	40-127	
cis-1,2-Dichloroethene	ug/L	50	54.6	109	70-130	
cis-1,3-Dichloropropene	ug/L	50	53.5	107	70-130	
Dibromochloromethane	ug/L	50	57.2	114	70-130	
Dichlorodifluoromethane	ug/L	50	52.3	105	20-135	
Ethylbenzene	ug/L	50	55.4	111	87-129	
Isopropylbenzene (Cumene)	ug/L	50	57.5	115	70-130	
m&p-Xylene	ug/L	100	116	116	70-130	
Methyl-tert-butyl ether	ug/L	50	52.4	105	66-143	
Methylene Chloride	ug/L	50	53.9	108	70-130	
o-Xylene	ug/L	50	56.5	113	70-130	
Styrene	ug/L	50	56.7	113	70-130	
Tetrachloroethene	ug/L	50	58.2	116	70-130	
Toluene	ug/L	50	55.2	110	82-130	
trans-1,2-Dichloroethene	ug/L	50	55.9	112	75-132	
trans-1,3-Dichloropropene	ug/L	50	53.6	107	70-130	
Trichloroethene	ug/L	50	56.9	114	70-130	
Trichlorofluoromethane	ug/L	50	64.1	128	76-133	
Vinyl chloride	ug/L	50	51.4	103	57-136	
4-Bromofluorobenzene (S)	%			96	61-130	
Dibromofluoromethane (S)	%			97	67-130	
Toluene-d8 (S)	%			95	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1698921 1698922

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40169810007 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
1,1,1-Trichloroethane	ug/L	<0.50	50	50	55.1	55.9	110	112	70-134	1	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	50.0	51.6	100	103	70-130	3	20	
1,1,2-Trichloroethane	ug/L	<0.20	50	50	50.7	54.5	101	109	70-130	7	20	
1,1-Dichloroethane	ug/L	<0.24	50	50	52.0	54.4	104	109	71-133	5	20	
1,1-Dichloroethene	ug/L	<0.41	50	50	57.8	59.6	116	119	75-136	3	20	
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	48.4	46.0	97	92	70-130	5	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	56.1	52.1	112	104	63-123	7	20	
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	51.9	54.8	104	110	70-130	5	20	
1,2-Dichlorobenzene	ug/L	<0.50	50	50	53.0	53.1	106	106	70-130	0	20	
1,2-Dichloroethane	ug/L	<0.17	50	50	52.5	54.5	105	109	70-131	4	20	
1,2-Dichloropropane	ug/L	<0.23	50	50	50.4	52.0	101	104	80-120	3	20	

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QUALITY CONTROL DATA

Project: TD P3 2ND QTR GW

Pace Project No.: 40169810

Parameter	Units	1698921		1698922		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40169810007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
1,3-Dichlorobenzene	ug/L	<0.50	50	50	50.8	50.9	102	102	70-130	0	20	
1,4-Dichlorobenzene	ug/L	<0.50	50	50	51.5	52.7	103	105	70-130	2	20	
Benzene	ug/L	<0.50	50	50	47.7	48.8	95	98	73-145	2	20	
Bromodichloromethane	ug/L	<0.50	50	50	53.8	54.9	108	110	70-130	2	20	
Bromoform	ug/L	<0.50	50	50	58.8	61.4	118	123	67-130	4	20	
Bromomethane	ug/L	<2.4	50	50	43.7	45.1	87	90	26-129	3	20	
Carbon tetrachloride	ug/L	<0.50	50	50	54.7	58.1	109	116	70-134	6	20	
Chlorobenzene	ug/L	<0.50	50	50	54.1	57.0	108	114	70-130	5	20	
Chloroethane	ug/L	<0.37	50	50	45.3	46.7	91	93	58-120	3	20	
Chloroform	ug/L	<2.5	50	50	50.8	53.8	102	108	80-121	6	20	
Chloromethane	ug/L	<0.50	50	50	44.7	45.9	89	92	40-128	3	20	
cis-1,2-Dichloroethene	ug/L	<0.26	50	50	46.1	49.2	92	98	70-130	7	20	
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	54.2	53.8	108	108	70-130	1	20	
Dibromochloromethane	ug/L	<0.50	50	50	55.8	57.7	112	115	70-130	3	20	
Dichlorodifluoromethane	ug/L	<0.22	50	50	50.1	52.1	100	104	20-146	4	20	
Ethylbenzene	ug/L	<0.50	50	50	53.1	54.5	106	109	87-129	3	20	
Isopropylbenzene (Cumene)	ug/L	<0.14	50	50	55.2	56.8	110	114	70-130	3	20	
m&p-Xylene	ug/L	<1.0	100	100	114	116	114	116	70-130	2	20	
Methyl-tert-butyl ether	ug/L	<0.17	50	50	49.9	51.8	100	104	66-143	4	20	
Methylene Chloride	ug/L	<0.23	50	50	51.2	51.9	102	104	70-130	1	20	
o-Xylene	ug/L	<0.50	50	50	55.5	57.4	111	115	70-130	3	20	
Styrene	ug/L	<0.50	50	50	54.5	55.5	109	111	70-130	2	20	
Tetrachloroethene	ug/L	<0.50	50	50	56.1	60.1	112	120	70-130	7	20	
Toluene	ug/L	<0.50	50	50	53.4	54.6	107	109	82-131	2	20	
trans-1,2-Dichloroethene	ug/L	<0.26	50	50	52.5	54.7	105	109	75-135	4	20	
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	52.3	53.0	105	106	70-130	1	20	
Trichloroethene	ug/L	<0.33	50	50	55.2	55.8	110	112	70-130	1	20	
Trichlorofluoromethane	ug/L	<0.18	50	50	63.0	64.7	126	129	76-150	3	20	
Vinyl chloride	ug/L	<0.18	50	50	51.2	51.5	102	103	56-143	1	20	
4-Bromofluorobenzene (S)	%						100	100	61-130			
Dibromofluoromethane (S)	%						97	96	67-130			
Toluene-d8 (S)	%						96	97	70-130			

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: TD P3 2ND QTR GW
Pace Project No.: 40169810

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 2ND QTR GW

Pace Project No.: 40169810

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40169810001	MW-1	EPA 8260	290195		
40169810002	MW-2	EPA 8260	290195		
40169810003	MW-6	EPA 8260	290195		
40169810004	MW-7	EPA 8260	290195		
40169810005	MW-9	EPA 8260	290195		
40169810006	MW-10	EPA 8260	290195		
40169810007	MW-17	EPA 8260	290195		
40169810008	MW-22	EPA 8260	290195		
40169810009	MW-23	EPA 8260	290195		
40169810010	MW-25	EPA 8260	290195		
40169810011	TRIP BLANK	EPA 8260	290195		

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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.

40169810

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: Environmental Audits Inc.		Report To: jruetz@yahoo.com:		Attention: John Ruetz	
Address: 11327 W Lincoln Avenue		Copy To: eerilli@wi.rr.com; john@environmentalaudits.net		Company Name: Environmental Audits Inc.	
West Allis WI 53051		steph@environmentalaudits.net		Address: 11327 W Lincoln Avenue	
Email To: john@environmentalaudits.net		Purchase Order No.: Verbal		Pace Quote Reference: Pace Project Manager: Pace Profile #:	
Phone: 414-226-5563 Fax:		Project Name: TD P3 2nd Qtr GW		REGULATORY AGENCY	
Requested Due Date/TAT:		Project Number:		<input type="checkbox"/> NPDES <input checked="" type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER	
				Site Location STATE: WI	

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED			SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.	
					COMPOSITE START	DATE	TIME			COMPOSITE END/GRAB	DATE	TIME	H ₂ SO ₄	HNO ₃	HCl	NaOH					Na ₂ S ₂ O ₃
1	MW - 1	DW	G	G	5/23/18				3	X											001
2	MW - 2	WT	G	G	5/23/18				3	X											002
3	MW - 6	WW	G	G	5/23/18				3	X											003
4	MW - 7	P	G	G	5/23/18				3	X											004
5	MW - 9	SL	G	G	5/23/18				3	X											005
6	MW - 10	OL	G	G	5/23/18				3	X											006
7	MW - 17	WIP	G	G	5/23/18				3	X											007
8	MW - 22	AK	G	G	5/23/18				3	X											008
9	MW - 23	OT	G	G	5/23/18				3	X											009
10	MW - 25	TS	G	G	5/23/18				3	X											010
11	Trip Blank																				011
12																					

ADDITIONAL COMMENTS:
 OIP shipment Lab added to COC 5/25/18

RELINQUISHED BY / AFFILIATION:
 Stephanie Wagner 5/23/18

ACCEPTED BY / AFFILIATION:
 Mary Fanning 5/24/18 10:40

SAMPLER NAME AND SIGNATURE:
 PRINT Name of SAMPLER: Stephanie Wagner
 SIGNATURE of SAMPLER: [Signature]

DATE Signed (MM/DD/YY): 5/23/18

Temp in °C: _____

Received on Ice (Y/N): Y

Custody Sealed Cooler (Y/N): Y

Samples Intact (Y/N): 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.

F-ALL-Q-020rev.08 12-Oct-2007

Pace Container Order #346937

40169810

Addresses

Order By :

Company Environmental Audits Inc.
 Contact Ruetz, John
 Email john@environmentalaudits.net
 Address 11327 W Lincoln Ave
 Address 2 _____
 City West Allis
 State WI Zip 53227
 Phone 414-226-5563

Ship To :

Company Environmental Audits Inc.
 Contact Ruetz, John
 Email john@environmentalaudits.net
 Address 11327 W Lincoln Ave
 Address 2 _____
 City West Allis
 State WI Zip 53227
 Phone 414-226-5563

Return To:

Company Pace Analytical Green Bay
 Contact Milewsky, Dan
 Email dan.milewsky@pacelabs.com
 Address 1241 Bellevue Street
 Address 2 Suite 9
 City Green Bay
 State WI Zip 54302
 Phone (920)469-2436

Info

Project Name TD BROACH Due Date 03/30/2018 Profile _____ Quote _____
 Project Manager Milewsky, Dan Return _____ Carrier Most Economical Location _____

Trip Blanks

Include Trip Blanks

Bottle Labels

Blank
 Pre-Printed No Sample IDs
 Pre-Printed With Sample IDs

Bottles

Boxed Cases
 Individually Wrapped
 Grouped By Sample

Return Shipping Labels

No Shipper Number
 With Shipper Number

Misc

Sampling Instructions
 Custody Seal
 Temp. Blanks
 Coolers
 Syringes
 Extra Bubble Wrap
 Short Hold/Rush Stickers
 DI Water
 USDA Regulated Soils

COC Options

Number of Blanks
 Pre-Printed

# of Samples	Matrix	Test	Container	Total	# of QC	Lot #	Notes
14	WT	VOC WI List	3-40ml clear vial HCl-hydrochloric acid	42	0	B-8-058-02VB	
1	WT	Trip BLANK	2-40mL clear vials with HCL and DI Water	2	0	B-7-324-01VB	

Hazard Shipping Placard In Place : NA

*Sample receiving hours are Monday through Friday 8:00 am to 6:00 pm and Saturday from 9:00 am to 12:00 pm unless special arrangements are made with your project manager.

*Pace Analytical reserves the right to return hazardous, toxic, or radioactive samples to you.

*Pace Analytical reserves the right to charge for unused bottles, as well as cost associated with sample storage and disposal.

*Payment term are net 30 days.

*Please include the proposal number on the chain of custody to insure proper billing.

Sample Notes

Ship Date : 03/28/2018

Prepared By: Mai Yer Her

Verified By:

Client Name: SNL/Oronox Sample Preservation Receipt Form
Project # 40169818

All containers needing preservation have been checked and noted below: Yes No N/A
Lab Lot# of pH paper: _____ Lab Std #ID of preservation (if pH adjusted): _____

Initial when completed:

Date/Time:

Pace Lab #	AG1U AG1H AG4S AG4U AG5U AG2S BG3U	BP1U BP2N BP2Z BP3U BP3C BP3N BP3S	DG9A DG9T VG9U VG9H VG9M VG9D	JGFU WGFU WPFU	SP5T ZPLC GN	VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
001												2.5 / 5 / 10
002												2.5 / 5 / 10
003												2.5 / 5 / 10
004												2.5 / 5 / 10
005												2.5 / 5 / 10
006												2.5 / 5 / 10
007												2.5 / 5 / 10
008												2.5 / 5 / 10
009												2.5 / 5 / 10
010												2.5 / 5 / 10
011												2.5 / 5 / 10
012												2.5 / 5 / 10
013												2.5 / 5 / 10
014												2.5 / 5 / 10
015												2.5 / 5 / 10
016												2.5 / 5 / 10
017												2.5 / 5 / 10
018												2.5 / 5 / 10
019												2.5 / 5 / 10
020												2.5 / 5 / 10

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

AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3C	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU	WPFU	SP5T	ZPLC	GN:
1 liter amber glass	1 liter amber glass HCL	125 mL amber glass H2SO4	120 mL amber glass unpres	100 mL amber glass unpres	500 mL amber glass H2SO4	250 mL clear glass unpres	1 liter plastic unpres	500 mL plastic HNO3	500 mL plastic NaOH, Znact	250 mL plastic unpres	250 mL plastic NaOH	250 mL plastic HNO3	250 mL plastic H2SO4	40 mL amber ascorbic	40 mL amber Na Thio	40 mL clear vial unpres	40 mL clear vial HCL	40 mL clear vial MeOH	40 mL clear vial DI	4 oz amber jar unpres	4 oz clear jar unpres	4 oz plastic jar unpres	120 mL plastic Na Thiosulfate	ziploc bag	

Sample Condition Upon Receipt Form (SCUR)

Client Name: Environmental Audits Project #: **WO#: 40169810**

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



Tracking #: _____

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

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

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used SR - N/A **Type of Ice:** Wet Blue Dry None

Cooler Temperature Uncorr: ROI / Corr: _____ Samples on ice, cooling process has begun

Temp Blank Present: yes no

Biological Tissue is Frozen: yes no

Person examining contents:
Date: 5-25-18
Initials: SW

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

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.	
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.	<u>No collect times</u> <u>5-25-18 SW</u>
Chain of Custody Relinquished:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.	
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.	
Samples Arrived within Hold Time:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5.	
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:	
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.	
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.	
Sufficient Volume:		8.	
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.	
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.	
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input 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.	<u>011 - not on COC</u> <u>5-25-18 SW</u>
-Includes date/time/ID/Analysis Matrix: <u>W</u>			
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.	<u>In shipment Lab added</u>
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		<u>to COC.</u> <u>5-25-18 SW</u>
Pace Trip Blank Lot # (if purchased):			

Client Notification/ Resolution:

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

Comments/ Resolution: _____

Project Manager Review: RMR for PM Date: 6/25/18

**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-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	26-Jan-13	0.14					
2	17-Aug-13	0.19					
3	26-Feb-14	16.40					
4	26-Aug-14	0.91					
5	21-Jan-15	0.27					
6	21-Jul-15	0.25					
7	20-Jan-16	0.14					
8	2-Mar-17						
9	25-Jul-17						
10	22-Feb-18						

Mann Kendall Statistic (S) =	-2.0	0.0	0.0	0.0	0.0	0.0
Number of Rounds (n) =	7	0	0	0	0	0
Average =	2.61	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Standard Deviation =	6.085	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Coefficient of Variation(CV)=	2.328	#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 = **20-Mar-18** 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-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	16-Nov-13	0.18	28.00	0.91			28.91
2	30-Apr-14	0.52	165.00	8.30	1.00	9.50	190.42
3	22-Oct-14	0.36	298.00	6.10	1.20	209.00	553.45
4	23-Apr-15	0.52	140.00	5.90	0.85	6.90	156.60
5	14-Oct-15	0.21	111.00	5.70	0.82	6.10	127.30
6	15-Jun-16		122.00	5.90	0.75	7.00	139.31
7	16-Nov-16		129.00	4.10	0.79	60.80	205.09
8	16-Jun-17		122.00	4.80	0.63	6.30	136.62
9	12-Dec-17		98.90	3.80	0.62	14.00	119.40
10	23-May-18		151.00	4.20	0.66	49.70	220.21

Mann Kendall Statistic (S) =	1.0	-4.0	-18.0	-28.0	2.0	1.0
Number of Rounds (n) =	5	10	10	9	9	10
Average =	0.36	136.49	4.97	0.81	41.03	187.73
Standard Deviation =	0.163	67.848	1.940	0.189	66.289	139.278
Coefficient of Variation(CV)=	0.455	0.497	0.390	0.232	1.615	0.742

Error Check, Blank if No Errors Detected

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

Stability Test, If No Trend Exists at 80% Confidence Level	CV ≤ 1 STABLE	CV ≤ 1 STABLE	NA	NA	CV > 1 NON-STABLE	CV ≤ 1 STABLE
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Data Entry By = **EER** Date = **12-Jun-18** 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-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	18-May-13	1.40	67.40	319.00	44.20	448.10	
2	16-Nov-13	0.79	35.10	271.00	37.90	351.60	
3	3-Jun-14	2.20	33.00	153.00	22.10	216.40	
4	24-Oct-14	1.40	111.00	704.00	364.00	1,242.12	
5	27-Apr-15	0.45	46.40	268.00	40.60	368.60	
6	14-Oct-15	0.48	53.60	353.00	53.60	477.60	
7	15-Jun-16		47.60	1.80	36.80	387.90	
8	30-Nov-16		32.20	363.00	55.40	460.40	
9	16-Jun-17		38.40	292.00	41.30	385.00	
10	26-Jun-17		16.30	217.00	30.60	272.37	

Mann Kendall Statistic (S) =	-6.0	-17.0	-5.0	-3.0	-3.0	0.0
Number of Rounds (n) =	6	10	10	10	10	0
Average =	1.12	48.10	294.18	72.65	461.01	#DIV/0!
Standard Deviation =	0.677	26.071	179.309	102.838	286.284	#DIV/0!
Coefficient of Variation(CV)=	0.604	0.542	0.610	1.416	0.621	#DIV/0!

Error Check, Blank if No Errors Detected n<4

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

Stability Test, If No Trend Exists at 80% Confidence Level	NA	NA	CV ≤ 1 STABLE	CV > 1 NON-STABLE	CV ≤ 1 STABLE	n<4
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Data Entry By = **EER** Date = **17-Jul-18** 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	16-Nov-13	0.09					
2	30-Apr-14	1.50	0.23				
3	29-Oct-14	0.21	35.47				
4	23-Apr-15	0.35	0.76				
5	14-Oct-15	0.07	17.54				
6	15-Jun-16		0.50				
7	16-Nov-16		46.40				
8	16-Jun-17						
9	12-Dec-17		9.30				
10	23-May-18		56.30				

Mann Kendall Statistic (S) =	-2.0	12.0	0.0	0.0	0.0	0.0
Number of Rounds (n) =	5	8	0	0	0	0
Average =	0.44	20.81	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Standard Deviation =	0.602	22.394	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Coefficient of Variation(CV)=	1.358	1.076	#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	INCREASING	n<4	n<4	n<4	n<4
Trend ≥ 90% Confidence Level	No Trend	INCREASING	n<4	n<4	n<4	n<4

Stability Test, If No Trend Exists at 80% Confidence Level	CV > 1 NON-STABLE	NA	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 = **12-Jun-18** 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	16-Nov-13	2,460.00					
2	30-Apr-14	2.00	1.18				
3	29-Oct-14	289.00	305.56				
4	23-Apr-15	305.00	11.40				
5	11-Nov-15	9.80	2.97				
6	15-Jun-16		0.95				
7	16-Nov-16		37.00				
8	16-Jun-17						
9	12-Dec-17		4.10				
10	23-May-18		29.16				

Mann Kendall Statistic (S) =	-2.0	2.0	0.0	0.0	0.0	0.0
Number of Rounds (n) =	5	8	0	0	0	0
Average =	613.16	49.04	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Standard Deviation =	1042.643	104.543	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Coefficient of Variation(CV)=	1.700	2.132	#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 = **12-Jun-18** 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-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**

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

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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
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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	26-Jan-13	4.00	0.79				
2	17-Aug-13	0.02	0.59				
3	26-Feb-14	0.54	0.77				
4	26-Aug-14	1.10	8.70				
5	21-Jan-15	0.64	0.94				
6	21-Jul-15	0.30	4.90				
7	20-Jan-16	0.22	0.54				
8	21-Sep-16		0.54				
9	2-Mar-17		1.10				
10	25-Jul-17		0.55				

Mann Kendall Statistic (S) =	-7.0	-6.0	0.0	0.0	0.0	0.0
Number of Rounds (n) =	7	10	0	0	0	0
Average =	0.97	1.94	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Standard Deviation =	1.379	2.719	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Coefficient of Variation(CV)=	1.415	1.400	#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 = **3-Aug-17** Checked By = **EER**

**State of Wisconsin
Department of Natural Resources**

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

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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

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

**State of Wisconsin
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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	16-Nov-13	0.11					
2	30-Apr-14	3.90	1.20	2.81			
3	29-Oct-14	52.40	104.00	458.91			
4	23-Apr-15	0.87	1.60	1.60			
5	11-Nov-15	4.50	2.80	6.97			
6	8-Jun-16		0.42	0.42			
7	16-Nov-16		9.70	25.50			
8	16-Jun-17		0.39	0.39			
9	12-Dec-17		0.28	0.29			
10	23-May-18						

Mann Kendall Statistic (S) =	4.0	-12.0	-14.0	0.0	0.0	0.0
Number of Rounds (n) =	5	8	8	0	0	0
Average =	12.36	15.05	62.11	#DIV/0!	#DIV/0!	#DIV/0!
Standard Deviation =	22.465	36.077	160.555	#DIV/0!	#DIV/0!	#DIV/0!
Coefficient of Variation(CV)=	1.818	2.397	2.585	#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	DECREASING	DECREASING	n<4	n<4	n<4
Trend ≥ 90% Confidence Level	No Trend	DECREASING	DECREASING	n<4	n<4	n<4

Stability Test, If No Trend Exists at 80% Confidence Level	CV > 1 NON-STABLE	NA	NA	n<4 n<4	n<4 n<4	n<4 n<4
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Data Entry By = **EER** Date = **12-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-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	18-Aug-12	0.01					
2	26-Jan-13	0.08					
3	17-Aug-13	0.02					
4	26-Feb-14	0.29					
5	26-Aug-14	1.70					
6	21-Jan-15	0.58					
7	21-Jul-15	0.29					
8	20-Jan-16	0.24					
9	2-Mar-17						
10	25-Jul-17						

Mann Kendall Statistic (S) =	11.0	0.0	0.0	0.0	0.0	0.0
Number of Rounds (n) =	8	0	0	0	0	0
Average =	0.40	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Standard Deviation =	0.557	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Coefficient of Variation(CV)=	1.386	#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 = **3-Aug-17** Checked By = **EER**

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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	17-Aug-13	0.04					
2	22-Mar-14	0.02					
3	29-Oct-14	1.10					
4	28-Jan-15	0.22					
5	21-Jul-15	0.87					
6	14-Oct-15	0.30					
7	21-Sep-16						
8	22-Mar-17						
9	19-Dec-17						
10	12-Mar-18						

Mann Kendall Statistic (S) =	5.0	0.0	0.0	0.0	0.0	0.0
Number of Rounds (n) =	6	0	0	0	0	0
Average =	0.43	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Standard Deviation =	0.452	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Coefficient of Variation(CV)=	1.061	#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 = **20-Mar-18** Checked By = **EER**

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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-Aug-13	0.89	46.20	7.10	98.30	196.98	
2	3-Jun-14	4.20	35.20	4.80	67.90	114.64	0.35
3	26-Sep-14	1.50	60.10	7.80	87.80	165.91	1.20
4	28-Jan-15	0.45	33.40	3.80	55.80	99.68	0.28
5	27-Jul-15	0.49	57.80	6.40	82.90	157.51	1.00
6	14-Mar-16		40.70	5.80	85.20	142.59	0.89
7	21-Sep-16		46.30	3.60	45.70	103.56	0.56
8	22-Mar-17		43.50	6.30	83.90	145.60	0.20
9	25-Jul-17		48.20	5.40	73.60	140.48	0.99
10	22-Feb-18		35.60	5.30	67.70	121.16	0.59

Mann Kendall Statistic (S) =	-4.0	-1.0	-13.0	-15.0	-13.0	-4.0
Number of Rounds (n) =	5	10	10	10	10	9
Average =	1.51	44.70	5.63	74.88	138.81	0.67
Standard Deviation =	1.564	9.092	1.344	15.934	30.185	0.360
Coefficient of Variation(CV)=	1.039	0.203	0.239	0.213	0.217	0.534

Error Check, Blank if No Errors Detected

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

Stability Test, If No Trend Exists at 80% Confidence Level	CV > 1 NON-STABLE	CV ≤ 1 STABLE	NA	NA	NA	CV ≤ 1 STABLE
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Data Entry By = **EER** Date = **20-Mar-18** 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-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	17-Aug-13	0.03					
2	26-Feb-14	23.20					
3	26-Aug-14	3.50					
4	24-Jan-15	0.83					
5	21-Jul-15	0.27					
6	20-Jan-16	0.15					
7	21-Sep-16						
8	2-Mar-17						
9	25-Jul-17						
10	22-Feb-18						

Mann Kendall Statistic (S) =	-5.0	0.0	0.0	0.0	0.0	0.0
Number of Rounds (n) =	6	0	0	0	0	0
Average =	4.66	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Standard Deviation =	9.174	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Coefficient of Variation(CV)=	1.967	#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 = **20-Mar-18** 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-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	17-Aug-13	2,290.00					
2	26-Feb-14	1,900.00					
3	26-Aug-14	810.00					
4	21-Jan-15	4,340.00					
5	21-Jul-15	1,630.00					
6	20-Jan-16	1,600.00					
7	21-Sep-16						
8	2-Mar-17						
9	25-Jul-17						
10	22-Feb-18						

Mann Kendall Statistic (S) =	-5.0	0.0	0.0	0.0	0.0	0.0
Number of Rounds (n) =	6	0	0	0	0	0
Average =	2095.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Standard Deviation =	1202.377	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Coefficient of Variation(CV)=	0.574	#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 STABLE	n<4	n<4	n<4	n<4	n<4

Data Entry By = **EER** Date = **20-Feb-18** 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**

Compound ->		DRO	cis-1,2-DCE	trans-1,2-DCE	Tetra-CE	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-Aug-13	0.03	250.00	12.10	5.00	9.20	276.30
2	26-Feb-14	23.70	177.00	7.90	1.80	4.80	213.90
3	26-Aug-14	1.10	277.00	13.80	4.40	8.30	335.49
4	21-Jan-15	0.34	230.00	17.00	6.90	8.90	265.38
5	21-Jul-15	8.90	209.00	9.40	4.40	6.90	429.30
6	20-Jan-16	0.71	212.00	10.40	6.70	9.40	239.24
7	21-Sep-16		193.00	15.40	4.30	8.50	221.30
8	2-Mar-17		216.00	14.80	3.60	7.50	243.00
9	25-Jul-17		168.00	7.90	3.00	6.10	337.88
10	22-Feb-18		181.00	9.60	7.20	8.00	206.75

Mann Kendall Statistic (S) =	1.0	-19.0	-2.0	-2.0	-7.0	-7.0
Number of Rounds (n) =	6	10	10	10	10	10
Average =	5.80	211.30	11.83	4.73	7.76	276.85
Standard Deviation =	9.393	34.150	3.267	1.764	1.464	70.757
Coefficient of Variation(CV)=	1.621	0.162	0.276	0.373	0.189	0.256

Error Check, Blank if No Errors Detected

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

Stability Test, If No Trend Exists at 80% Confidence Level	CV > 1 NON-STABLE	NA	CV ≤ 1 STABLE	CV ≤ 1 STABLE	CV ≤ 1 STABLE	CV ≤ 1 STABLE
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Data Entry By = **EER** Date = **20-Mar-18** Checked By = **EER**

**State of Wisconsin
Department of Natural Resources**

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

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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	18-May-13	362.00	156.00	4.20	4.70		160.20
2	16-Nov-13	1,220.00	304.00	10.30		14.20	328.50
3	30-Apr-14	281.00	1.80	6.30	1.40	265.00	279.30
4	29-Oct-14	246.00	1.90	6.10	1.30	289.00	908.10
5	23-Apr-15	234.00	0.65	7.10		354.00	367.55
6	11-Nov-15	52.40	1.00	6.90		380.00	396.70
7	8-Jun-16		0.64	5.60		232.00	242.94
8	30-Nov-16		1.30	5.70		306.00	415.10
9	12-Dec-17			5.30		271.00	285.00
10	23-May-18		1.30	2.70		73.00	110.51

Mann Kendall Statistic (S) =	-13.0	-17.0	-19.0	-3.0	2.0	-1.0
Number of Rounds (n) =	6	9	10	3	9	10
Average =	399.23	52.07	6.02	2.47	242.69	349.39
Standard Deviation =	414.753	107.452	1.985	1.935	122.379	219.273
Coefficient of Variation(CV)=	1.039	2.064	0.330	0.784	0.504	0.628

Error Check, Blank if No Errors Detected n<4

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

Stability Test, If No Trend Exists at 80% Confidence Level	NA	NA	NA	n<4 n<4	CV ≤ 1 STABLE	CV ≤ 1 STABLE
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Data Entry By = **EER** Date = **4-Jan-18** 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-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	16-Nov-13	471.00					
2	30-Apr-14	44.40		0.95	8.30		
3	29-Oct-14	64.40	76.40	1.50	363.90		
4	23-Apr-15	27.00	3.50	0.99	6.58		
5	11-Nov-15	16.00	6.40	1.00	11.80		
6	8-Jun-16		1.30	1.30	2.60		
7	16-Nov-16		16.30	1.30	39.40		
8	16-Jun-17		1.90	1.00	2.90		
9	12-Dec-17		5.90	1.30	11.80		
10	23-May-18		33.80	0.89	57.69		

Mann Kendall Statistic (S) =	-8.0	0.0	0.0	3.0	0.0	0.0
Number of Rounds (n) =	5	8	9	9	0	0
Average =	124.56	18.19	1.14	56.11	#DIV/0!	#DIV/0!
Standard Deviation =	194.531	25.890	0.214	116.928	#DIV/0!	#DIV/0!
Coefficient of Variation(CV)=	1.562	1.424	0.188	2.084	#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
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Data Entry By = **EER** Date = **12-Jun-18** Checked By = **EER**

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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	16-Nov-13	13.70					
2	30-Apr-14	51.60	7.30	10.04			
3	29-Oct-14	145.00	129.00	494.64			
4	23-Apr-15	109.00	3.60	7.14			
5	4-Nov-15	24.50	2.60	2.60			
6	6-Jun-16		2.70	2.70			
7	16-Nov-16		38.70	80.32			
8	16-Jun-17		5.50	5.50			
9	12-Dec-17		5.60	12.60			
10	23-May-18		52.70	85.90			

Mann Kendall Statistic (S) =	2.0	4.0	4.0	0.0	0.0	0.0
Number of Rounds (n) =	5	9	9	0	0	0
Average =	68.76	27.52	77.94	#DIV/0!	#DIV/0!	#DIV/0!
Standard Deviation =	56.384	42.191	159.760	#DIV/0!	#DIV/0!	#DIV/0!
Coefficient of Variation(CV)=	0.820	1.533	2.050	#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
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Data Entry By = **EER** Date = **12-Jun-18** Checked By = **EER**

**State of Wisconsin
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**Mann-Kendall Statistical Test
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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	16-Nov-13	221.00	185.00				295.70
2	30-Apr-14		43.10		1.40		57.70
3	29-Oct-14	502.00	461.00	29.30	445.00	0.86	1,027.28
4	23-Apr-15	406.00	63.80		2.20		149.50
5	4-Nov-15	50.40	138.00	0.45		0.54	196.54
6	8-Jun-16		223.00				257.50
7	30-Nov-16		174.00		16.60		207.40
8	16-Jun-17		125.00				125.00
9	12-Dec-17		137.00		5.00		149.47
10	23-May-18		175.00	2.30	34.10		232.05

Mann Kendall Statistic (S) =	-2.0	1.0	-1.0	5.0	-1.0	-5.0
Number of Rounds (n) =	4	10	3	6	2	10
Average =	294.85	172.49	10.68	84.05	0.70	269.81
Standard Deviation =	200.396	115.091	16.149	177.262	0.226	274.912
Coefficient of Variation(CV)=	0.680	0.667	1.512	2.109	0.323	1.019

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

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

Stability Test, If No Trend Exists at 80% Confidence Level	CV ≤ 1 STABLE	CV ≤ 1 STABLE	n<4 n<4	CV > 1 NON-STABLE	n<4 n<4	CV > 1 NON-STABLE
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Data Entry By = **EER** Date = **12-Jun-18** Checked By = **EER**

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Remediation and Redevelopment Program

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Instructions: Do not change formulas or other information in cells with a blue background, only cells with a yellow background are used for data entry. To use the spreadsheet, provide at least four rounds and not more than ten rounds of data that is not seasonally affected. Use consistent units. The spreadsheet contains several error checks, and a data entry error may cause "DATA ERR" or "DATE ERR" to be displayed. Dates that are not consecutive will show an error message and will not display the test results. The spreadsheet tests the data for both increasing and decreasing trends at both 80 percent and 90 percent confidence levels. If a declining trend is present at 80 percent but not at 90 percent, a site is still eligible for closure under Comm 46 and NR 746 provided that other conditions in those rules are met. If an increasing or decreasing trend is not present, an additional coefficient of variation test is used to test for stability, as proposed by Wiedemeier et al, 1999. For additional information, refer to the Interim Guidance on Natural Attenuation for Petroleum Releases, dated October 1999. Refer to the guidance for recommendations on data entry for non-detect values.

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	16-Nov-13	6,570.00	20.30	31.90			
2	11-Jun-14	6,950.00	614.00	784.30			
3	10-Dec-14	8,470.00	30.80	70.10			
4	23-Apr-15	1,070.00	18.30	28.26			
5	4-Nov-15	646.00	21.60	32.20			
6	15-Jun-16		27.30	77.40			
7	30-Nov-16		29.90	53.60			
8	16-Jun-17		19.40	38.20			
9	12-Dec-17		22.90	34.14			
10	23-May-18		23.80	34.90			

Mann Kendall Statistic (S) =	-4.0	-3.0	-3.0	0.0	0.0	0.0
Number of Rounds (n) =	5	10	10	0	0	0
Average =	4741.20	82.83	118.50	#DIV/0!	#DIV/0!	#DIV/0!
Standard Deviation =	3618.550	186.684	234.563	#DIV/0!	#DIV/0!	#DIV/0!
Coefficient of Variation(CV)=	0.763	2.254	1.979	#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
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Data Entry By = **EER** Date = **12-Jun-18** Checked By = **EER**

**State of Wisconsin
Department of Natural Resources**

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

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

Event Number	Compound -> Sampling Date (most recent last)	DRO Concentration (leave blank if no data)	1,1-DCA Concentration (leave blank if no data)	1,1-DCE Concentration (leave blank if no data)	1,1,1-TCA Concentration (leave blank if no data)	TCE Concentration (leave blank if no data)	Total VOC Concentration (leave blank if no data)
1	16-Nov-13	1,810.00	109.00				153.40
2	30-Apr-14	454.00	65.80				78.90
3	10-Dec-14	902.00	86.80		91.10		192.50
4	27-Apr-15	365.00	76.10				90.60
5	4-Nov-15	99.40	95.80				121.50
6	15-Jun-16		99.80	0.66	35.20		157.56
7	30-Nov-16		88.70		33.10		142.60
8	16-Jun-17		70.20		7.10		117.50
9	12-Dec-17		67.30		2.50		92.21
10	23-May-18		60.90	0.75	12.10		87.46

Mann Kendall Statistic (S) =	-8.0	-17.0	1.0	-11.0	0.0	-11.0
Number of Rounds (n) =	5	10	2	6	0	10
Average =	726.08	82.04	0.71	30.18	#DIV/0!	123.42
Standard Deviation =	671.373	16.337	0.064	32.774	#DIV/0!	37.371
Coefficient of Variation(CV)=	0.925	0.199	0.090	1.086	#DIV/0!	0.303

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

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

Stability Test, If No Trend Exists at 80% Confidence Level	NA	NA	n<4 n<4	NA	n<4 n<4	NA
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Data Entry By = **EER** Date = **12-Jun-18** Checked By = **EER**