

**Twin Disc, Inc.
2019 Annual Monitoring Results
Broach Machine #2525**

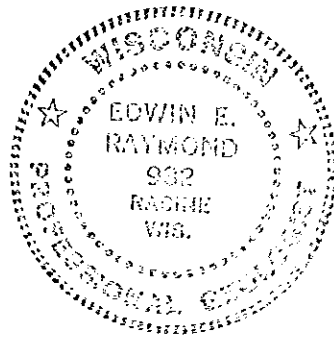
Subject Property
Twin Disc, Inc.
4600 21st Street
Racine, WI 53405
FID #252007140
BRRTS: 02-52-000072

May 8, 2019

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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Preface

Environmental Audits, Inc. (EA) has exercised reasonable efforts to accomplish the required tasks for the "**Twin Disc, Inc. 2019 Annual Monitoring Results**". EA has employed the professional standards applicable to the environmental consulting field today.

The information required for the "**Twin Disc, Inc. 2019 Annual Monitoring Results**" 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-14, MW-17, MW-18, MW-20, MW-21 MW-22, MW-23, MW-24, and MW-25. Sampling of these wells was conducted on April 16, 2019

MW-9 and MW-10 were transposed during the April 16, 2019 sampling event. The results reported for MW-9 are actually those for MW-10 and vice versa.

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

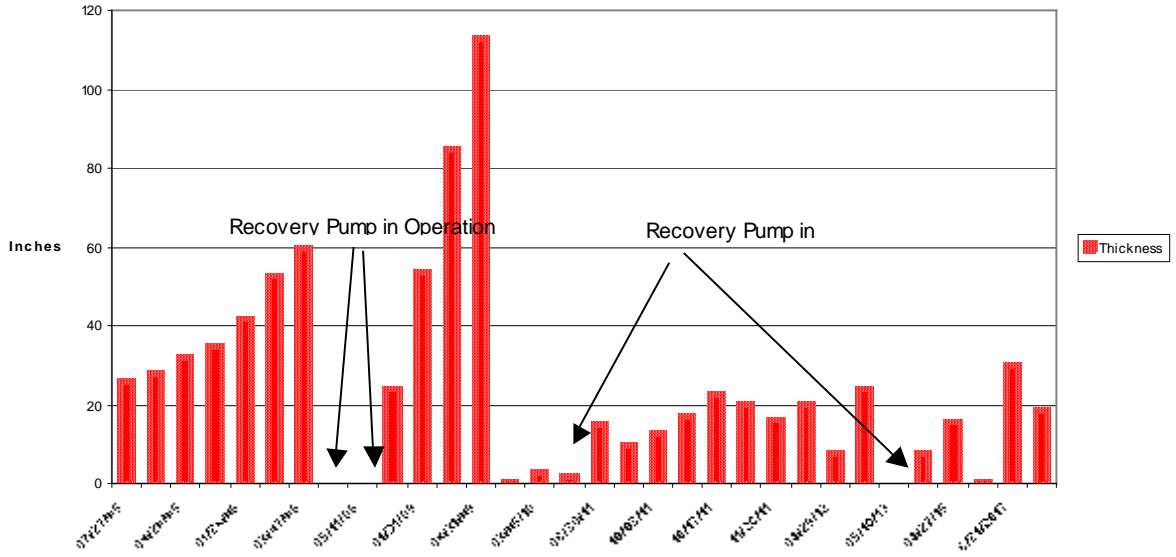
INTRODUCTION

This report deals with the results obtained over the previous year of quarterly analysis performed on the groundwater monitoring wells, commencing during July 2017, for VOC, EPA 8260.

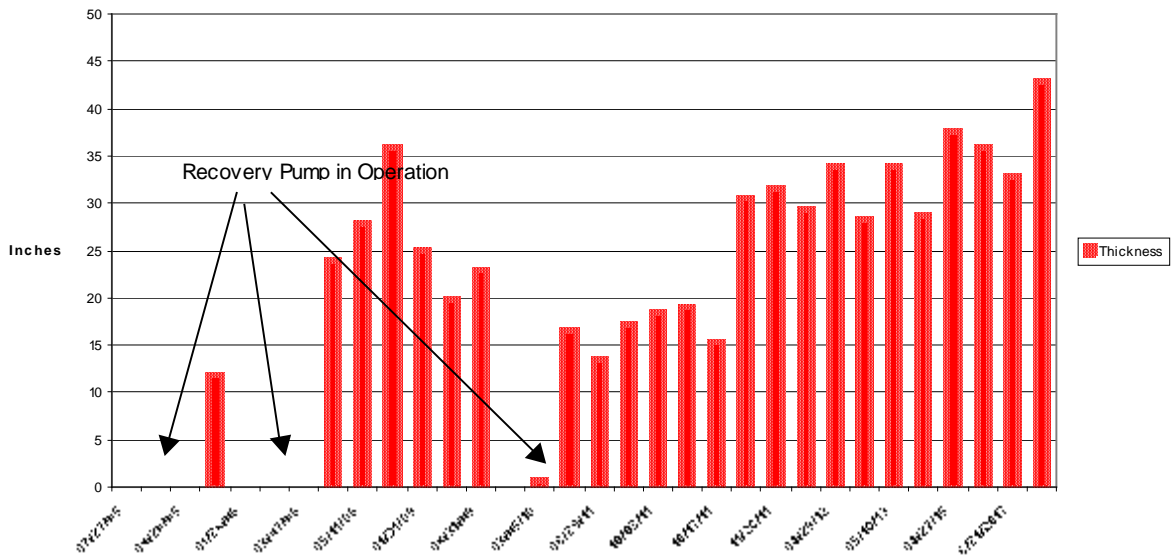
Groundwater monitoring wells were developed in accordance to the procedures detailed in s. NR 141. Groundwater monitoring well samples obtained for laboratory analysis were placed in appropriate pre-weighed sample containers immediately after being collected. Groundwater monitoring well samples were 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 8260.

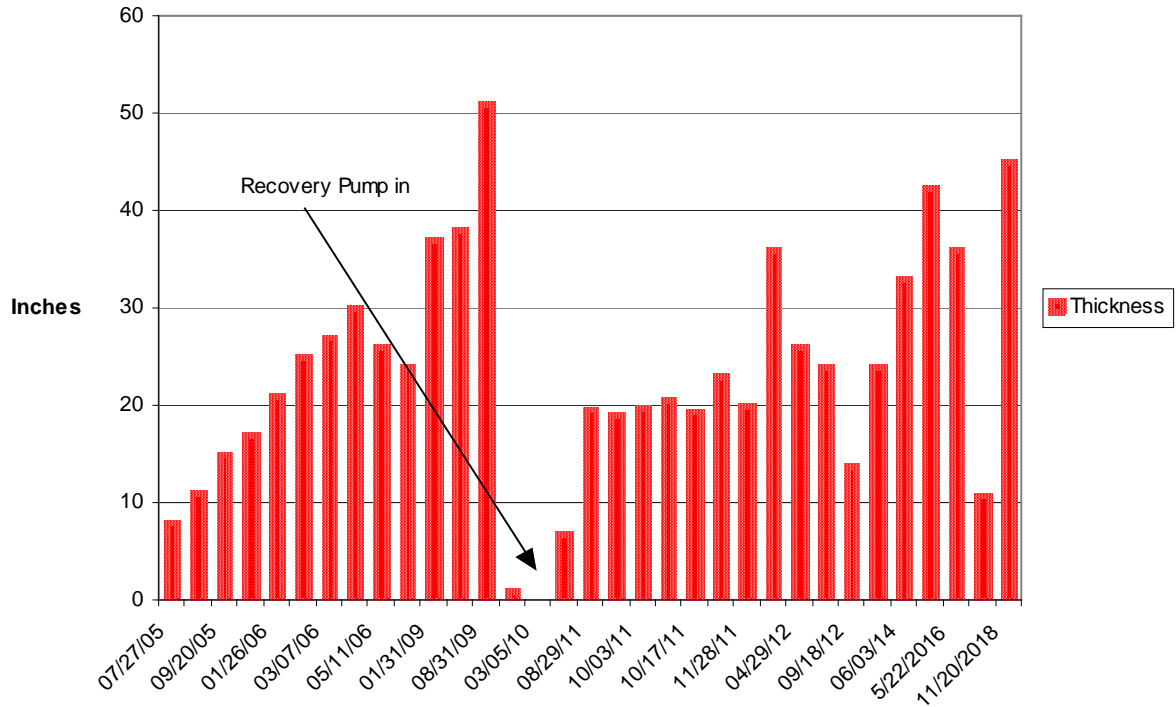
MW-18 Free Product



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	Apr-19	Nov-18	May-18	Dec-17	ES	PAL
Acetone	NTF	NTF	NTF	NTF	1000 ug/l	200 ug/l
Benzene	<2.5	<2.5	<0.50	<0.50	5 ug/l	0.5 ug/l
Bromodichloromethane	<3.6	<3.6	<0.50	<0.50	0.6 ug/l	0.06 ug/l
Bromoform	<39.7	<39.7	<0.50	<0.50	4.4 ug/l	0.44 ug/l
Bromomethane	<9.7	<9.7	<2.4	<2.4	10 ug/l	1 ug/l
Carbon Disulfide	NTF	NTF	NTF	NTF	1000 ug/l	200 ug/l
Carbon Tetrachloride	<1.7	<1.7	<0.50	<0.50	5 ug/l	0.5 ug/l
Chlorobenzene	<7.1	<7.1	<0.50	<0.50	NS	NS
Chloroethane	<13.4	<13.4	9.7	14.8	400 ug/l	80 ug/l
Chloroform	<12.7	<12.7	<2.5	<2.5	6 ug/l	0.6 ug/l
Chloromethane	<21.9	<21.9	<0.50	<0.50	3 ug/l	0.3 ug/l
Dibromochloromethane	<26.0	<26.0	<0.50	<0.50	60 ug/l	6 ug/l
1,2-Dibromo-3-chloropropane	<17.6	<17.6	<2.2	<2.2	0.2 ug/l	0.02 ug/l
1,2-Dibromomethane	<8.3	<8.3	<0.18	<0.18	NS	NS
1,1-Dichloroethane	45.3	43.6	60.9	67.3	850 ug/l	85 ug/l
1,2-Dichloroethane	<2.8	<2.8	<0.17	<0.17	5 ug/l	0.5 ug/l
1,1-Dichloroethene	<2.4	<2.4	0.75 J	<0.41	7 ug/l	0.7 ug/l
cis-1,2-Dichloroethene	<2.7	<2.7	0.71 J	0.81 J	70 ug/l	7 ug/l
trans-1,2-Dichloroethene	<10.9	<10.9	<0.26	<0.26	100 ug/l	20 ug/l
1,2-Dichloropropane	<2.8	<2.8	<0.23	<0.23	5 ug/l	0.5 ug/l
Ethyl Benzene	<2.2	<2.2	<0.50	<0.50	700 ug/l	140 ug/l
2-Hexanone	NTF	NTF	NTF	NTF	NS	NS
Methylene Chloride	<5.8	<5.9	<0.23	<0.23	5 ug/l	0.5 ug/l
Methyl-tert-Butylether	<12.5	<12.5	<0.17	<0.17	60 ug/l	6 ug/l
Styrene	<4.7	<4.7	<0.50	<0.50	100 ug/l	10 ug/l
1,1,2,2-Tetrachloroethane	<2.8	<2.8	<0.25	<0.25	0.2 ug/l	0.02 ug/l
Tetrachloroethene	<3.3	<3.3	<0.50	<0.50	5 ug/l	0.5 ug/l
Toluene	<1.7	<1.7	<0.50	<0.50	1 mg/l	0.2 mg/l
1,1,1-Trichloroethane	<2.4	<2.4	12.1	2.5	200 ug/l	40 ug/l
1,1,2-Trichloroethane	<5.5	<5.5	<0.20	<0.20	5 ug/l	0.5 ug/l
Trichloroethene	<2.6	<2.6	<0.33	<0.33	5 ug/l	0.5 ug/l
Vinyl Chloride	<1.7	5.3 J	3.3	6.8	0.2 ug/l	0.02 ug/l
Total Xylenes	<7.3	<7.3	<1.5	<1.5	10 mg/l	1 mg/l

VOCs reported in units of ug/l

B: Analyte detected in the associated Method Blank

J: Analyte detected below quantitation limits

Groundwater Well MW-2

Test Description					NR 140	NR 140
Method 8260B	Apr-19	Nov-18	May-18	Dec-17	ES	PAL
Acetone	NTF	NTF	NTF	NTF	1000 ug/l	200 ug/l
Benzene	<2.5	<1.2	<0.50	<0.50	5 ug/l	0.5 ug/l
Bromodichloromethane	<3.6	<1.8	<0.50	<0.50	0.6 ug/l	0.06 ug/l
Bromoform	<39.7	<19.9	<0.50	<0.50	4.4 ug/l	0.44 ug/l
Bromomethane	<9.7	<4.9	<2.4	<2.4	10 ug/l	1 ug/l
Carbon Disulfide	NTF	NTF	NTF	NTF	1000 ug/l	200 ug/l
Carbon Tetrachloride	<1.7	<0.83	<0.50	<0.50	5 ug/l	0.5 ug/l
Chlorobenzene	<7.1	<3.6	<0.50	<0.50	NS	NS
Chloroethane	<13.4	<6.7	5.7	9.0	400 ug/l	80 ug/l
Chloroform	<12.7	<6.4	<2.5	<2.5	6 ug/l	0.6 ug/l
Chloromethane	<21.9	<10.9	<0.50	<0.50	3 ug/l	0.3 ug/l
Dibromochloromethane	<26.0	<13.0	<0.50	<0.50	60 ug/l	6 ug/l
1,2-Dibromo-3-chloropropane	<17.6	<18.8	<2.2	<2.2	0.2 ug/l	0.02 ug/l
1,2-Dibromomethane	<8.3	<1.4	<0.18	<0.18	NS	NS
1,1-Dichloroethane	18.2	16.8	23.8	22.9	850 ug/l	85 ug/l
1,2-Dichloroethane	<2.8	<1.4	<0.17	<0.17	5 ug/l	0.5 ug/l
1,1-Dichloroethene	<2.4	<1.2	<0.41	<0.41	7 ug/l	0.7 ug/l
cis-1,2-Dichloroethene	<2.7	<1.4	<0.26	<0.26	70 ug/l	7 ug/l
trans-1,2-Dichloroethene	<10.9	<5.5	<0.26	<0.26	100 ug/l	20 ug/l
1,2-Dichloropropane	<2.8	<1.4	<0.23	<0.23	5 ug/l	0.5 ug/l
Ethyl Benzene	<2.2	<1.1	<0.50	<0.50	700 ug/l	140 ug/l
2-Hexanone	NTF	NTF	NTF	NTF	NS	NS
Methylene Chloride	<5.8	<2.9	<0.23	<0.23	5 ug/l	0.5 ug/l
Methyl-tert-Butylether	<12.5	<6.2	<0.17	<0.17	60 ug/l	6 ug/l
Styrene	<4.7	<2.3	<0.50	<0.50	100 ug/l	10 ug/l
1,1,2,2-Tetrachloroethane	<2.8	<1.4	<0.26	<0.26	0.2 ug/l	0.02 ug/l
Tetrachloroethene	<3.3	<1.6	<0.50	<0.50	5 ug/l	0.5 ug/l
Toluene	<1.7	<0.86	<0.50	<0.50	1 mg/l	0.2 mg/l
1,1,1-Trichloroethane	<2.4	<1.2	5.0	1.4	200 ug/l	40 ug/l
1,1,2-Trichloroethane	<5.5	<2.8	<0.20	<0.20	5 ug/l	0.5 ug/l
Trichloroethene	<2.6	<1.3	<0.33	<0.33	5 ug/l	0.5 ug/l
Vinyl Chloride	<1.7	<0.87	0.40 J	0.84 J	0.2 ug/l	0.02 ug/l
Total Xylenes	<7.3	<3.6	<1.50	<1.50	10 mg/l	1 mg/l

VOCs reported in units of ug/l

B: Analyte detected in the associated Method Blank

J: Analyte detected below quantitation limits

Groundwater Well MW-6

Test Description					NR 140	NR 140
Method 8260B	Apr-19	Nov-18	May-18	Dec-17	ES	PAL
Acetone	NTF	NTF	NTF	NTF	1000 ug/l	200 ug/l
Benzene	<2.5	<0.49	<1.2	<1.2	5 ug/l	0.5 ug/l
Bromodichloromethane	<3.6	<0.73	<1.2	<1.2	0.6 ug/l	0.06 ug/l
Bromoform	<39.7	<7.9	<1.2	<1.2	4.4 ug/l	0.44 ug/l
Bromomethane	<9.7	<1.9	<6.1	<6.1	10 ug/l	1 ug/l
Carbon Disulfide	NTF	NTF	NTF	NTF	1000 ug/l	200 ug/l
Carbon Tetrachloride	<1.7	<0.33	<1.2	<1.2	5 ug/l	0.5 ug/l
Chlorobenzene	<7.1	<1.4	<1.2	<1.2	NS	NS
Chloroethane	<13.4	<2.7	18.2	4.6	400 ug/l	80 ug/l
Chloroform	<12.7	<2.5	<6.2	<6.2	6 ug/l	0.6 ug/l
Chloromethane	<21.9	<4.4	<1.2	<1.2	3 ug/l	0.3 ug/l
Dibromochloromethane	<26.0	<5.2	<1.2	<1.2	60 ug/l	6 ug/l
1,2-Dibromo-3-chloropropane	<17.6	<3.5	<5.4	<5.4	0.2 ug/l	0.02 ug/l
1,2-Dibromomethane	<8.3	<1.7	<0.41	<0.41	NS	NS
1,1-Dichloroethane	79.4	73.2	175	137	850 ug/l	85 ug/l
1,2-Dichloroethane	<2.8	<0.56	<0.42	<0.42	5 ug/l	0.5 ug/l
1,1-Dichloroethene	<2.4	<0.49	2.3 J	<1.0	7 ug/l	0.7 ug/l
cis-1,2-Dichloroethene	<2.7	0.93 J	0.95 J	1.9 J	70 ug/l	7 ug/l
trans-1,2-Dichloroethene	<10.9	<2.2	<0.64	<0.64	100 ug/l	20 ug/l
1,2-Dichloropropane	<2.8	<0.56	<0.58	<0.58	5 ug/l	0.5 ug/l
Ethyl Benzene	<2.2	<0.44	<1.2	<1.2	700 ug/l	140 ug/l
2-Hexanone	NTF	NTF	NTF	NTF	NS	NS
Methylene Chloride	<5.8	<1.2	<0.58	<0.58	5 ug/l	0.5 ug/l
Methyl-tert-Butylether	<12.5	<2.5	<0.44	<0.44	60 ug/l	6 ug/l
Styrene	<4.7	<0.93	<1.2	<1.2	100 ug/l	10 ug/l
1,1,2,2-Tetrachloroethane	<2.8	<0.56	<0.62	<0.62	0.2 ug/l	0.02 ug/l
Tetrachloroethene	<3.3	<0.65	<1.2	<1.2	5 ug/l	0.5 ug/l
Toluene	<1.7	<0.34	<1.2	<1.2	1 mg/l	0.2 mg/l
1,1,1-Trichloroethane	<2.4	1.6 J	34.1	5.0	200 ug/l	40 ug/l
1,1,2-Trichloroethane	<5.5	<1.1	<0.39	<0.39	5 ug/l	0.5 ug/l
Trichloroethene	<2.6	<0.51	<0.83	<0.83	5 ug/l	0.5 ug/l
Vinyl Chloride	<1.7	0.39 J	1.5 J	0.97 J	0.2 ug/l	0.02 ug/l
Total Xylenes	<7.3	<1.46	<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-7

Test Description	Apr-19	Nov-18	May-18	Dec-17	NR 140 ES	NR 140 PAL
Method 8260B	NTF	NTF	NTF	NTF	1000 ug/l	200 ug/l
Acetone	NTF	NTF	NTF	NTF	1000 ug/l	200 ug/l
Benzene	<0.25	<0.25	<0.50	<0.50	5 ug/l	0.5 ug/l
Bromodichloromethane	<0.36	<0.36	<0.50	<0.50	0.6 ug/l	0.06 ug/l
Bromoform	<4.0	<4.0	<0.50	<0.50	4.4 ug/l	0.44 ug/l
Bromomethane	<0.97	<0.97	<2.4	<2.4	10 ug/l	1 ug/l
Carbon Disulfide	NTF	NTF	NTF	NTF	1000 ug/l	200 ug/l
Carbon Tetrachloride	<0.17	<0.17	<0.50	<0.50	5 ug/l	0.5 ug/l
Chlorobenzene	<0.71	<0.71	<0.50	<0.50	NS	NS
Chloroethane	<1.3	<1.3	5.8	<0.37	400 ug/l	80 ug/l
Chloroform	<1.3	<1.3	<2.5	<2.5	6 ug/l	0.6 ug/l
Chloromethane	<2.2	<2.2	<0.50	<0.50	3 ug/l	0.3 ug/l
Dibromochloromethane	<2.6	<2.6	<0.32	<0.32	60 ug/l	6 ug/l
1,2-Dibromo-3-chloropropane	<1.8	<1.8	<2.2	<2.2	0.2 ug/l	0.02 ug/l
1,2-Dibromomethane	<0.83	<0.83	<0.16	<0.16	NS	NS
1,1-Dichloroethane	1.9	2.0	52.7	5.6	850 ug/l	85 ug/l
1,2-Dichloroethane	<0.28	<0.28	<1.7	<1.7	5 ug/l	0.5 ug/l
1,1-Dichloroethene	<0.24	<0.24	1.7	<0.41	7 ug/l	0.7 ug/l
cis-1,2-Dichloroethene	<0.27	<0.27	<0.50	<0.50	70 ug/l	7 ug/l
trans-1,2-Dichloroethene	<1.1	<1.1	<0.24	<0.24	100 ug/l	20 ug/l
1,2-Dichloropropane	<0.28	<0.28	<0.23	<0.23	5 ug/l	0.5 ug/l
Ethyl Benzene	<0.22	<0.22	<0.50	<0.50	700 ug/l	140 ug/l
2-Hexanone	<0.58	<0.58	NTF	NTF	NS	NS
Methylene Chloride	NTF	NTF	<0.23	<0.23	5 ug/l	0.5 ug/l
Methyl-tert-Butylether	<1.2	<1.2	<0.17	<0.17	60 ug/l	6 ug/l
Styrene	<1.2	<1.2	<0.15	<0.15	100 ug/l	10 ug/l
1,1,2,2-Tetrachloroethane	<0.27	<0.27	<0.25	<0.25	0.2 ug/l	0.02 ug/l
Tetrachloroethene	<0.33	<0.33	<0.50	<0.50	5 ug/l	0.5 ug/l
Toluene	<0.17	<0.17	<0.50	<0.50	1 mg/l	0.2 mg/l
1,1,1-Trichloroethane	<0.24	0.89 J	25.7	7.0	200 ug/l	40 ug/l
1,1,2-Trichloroethane	<0.55	<0.55	<0.16	<0.16	5 ug/l	0.5 ug/l
Trichloroethene	<0.26	<0.26	<0.33	<0.33	5 ug/l	0.5 ug/l
Vinyl Chloride	<0.17	<0.17	<0.18	<0.18	0.2 ug/l	0.02 ug/l
Total Xylenes	<0.73	<0.73	<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-9

Test Description					NR 140	NR 140
Method 8260B	Apr-19	Nov-18	May-18	Dec-17	ES	PAL
Acetone	NTF	NTF	NTF	NTF	1000 ug/l	200 ug/l
Benzene	<0.49	<0.25	<0.50	<0.50	5 ug/l	0.5 ug/l
Bromodichloromethane	<0.73	<0.36	<0.50	<0.50	0.6 ug/l	0.06 ug/l
Bromoform	<7.9	<4.0	<0.50	<0.50	4.4 ug/l	0.44 ug/l
Bromomethane	<1.9	<0.97	<2.4	<2.4	10 ug/l	1 ug/l
Carbon Disulfide	NTF	NTF	NTF	NTF	1000 ug/l	200 ug/l
Carbon Tetrachloride	<0.33	<0.17	<0.50	<0.50	5 ug/l	0.5 ug/l
Chlorobenzene	<1.4	<0.71	<0.50	<0.50	NS	NS
Chloroethane	<2.7	<1.3	2.2	<0.37	400 ug/l	80 ug/l
Chloroform	<2.5	<1.3	<2.5	<2.5	6 ug/l	0.6 ug/l
Chloromethane	<4.4	<2.2	<0.50	<0.50	3 ug/l	0.3 ug/l
Dibromochloromethane	<5.2	<2.6	<0.50	<0.50	60 ug/l	6 ug/l
1,2-Dibromo-3-chloropropane	<3.5	<1.8	<2.2	<2.2	0.2 ug/l	0.02 ug/l
1,2-Dichlorobenzene	<0.71	<0.83	<0.18	<0.18	75 ug/l	7.5 ug/l
1,2-Dibromomethane	<1.7	<0.83	<0.18	<0.18	NS	NS
1,1-Dichloroethane	1.5	3.9	33.8	5.9	850 ug/l	85 ug/l
1,2-Dichloroethane	<0.56	<0.28	<0.17	<0.17	5 ug/l	0.5 ug/l
1,1-Dichloroethene	<0.24	<0.24	1.2	<0.41	7 ug/l	0.7 ug/l
cis-1,2-Dichloroethene	0.85 J	0.88 J	0.89 J	1.3	70 ug/l	7 ug/l
trans-1,2-Dichloroethene	<1.1	<1.1	<0.26	<0.26	100 ug/l	20 ug/l
1,2-Dichloropropane	<0.56	<0.28	<0.23	<0.23	5 ug/l	0.5 ug/l
Ethyl Benzene	<0.44	<0.22	<0.50	<0.50	700 ug/l	140 ug/l
2-Hexanone	NTF	<0.58	NTF	NTF	NS	NS
Methylene Chloride	<1.2	NTF	<0.23	<0.23	5 ug/l	0.5 ug/l
Methyl-tert-Butylether	<2.5	<1.2	<0.17	<0.17	60 ug/l	6 ug/l
Styrene	<0.93	<1.2	<0.50	<0.50	100 ug/l	10 ug/l
1,1,2,2-Tetrachloroethane	<0.56	<0.27	<0.26	<0.26	0.2 ug/l	0.02 ug/l
Tetrachloroethene	<0.65	<0.33	<0.50	<0.50	5 ug/l	0.5 ug/l
Toluene	<0.34	<0.17	>0.50	>0.50	1 mg/l	0.2 mg/l
1,1,1-Trichloroethane	<0.49	0.71 J	19.6	4.6	200 ug/l	40 ug/l
1,1,2-Trichloroethane	<1.1	<0.55	<0.20	<0.20	5 ug/l	0.5 ug/l
Trichloroethene	<0.51	<0.26	<0.33	<0.33	5 ug/l	0.5 ug/l
Vinyl Chloride	<0.17	<0.17	<0.18	<0.18	0.2 ug/l	0.02 ug/l
Total Xylenes	<1.46	<0.73	<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	Apr-19	Nov-18	May-18	Dec-17	ES	PAL
Acetone	NTF	NTF	NTF	NTF	1000 ug/l	200 ug/l
Benzene	<0.25	<0.49	<0.50	<1.0	5 ug/l	0.5 ug/l
Bromodichloromethane	<0.36	<0.73	<0.50	<1.0	0.6 ug/l	0.06 ug/l
Bromoform	<4.0	<7.9	<0.50	<1.0	4.4 ug/l	0.44 ug/l
Bromomethane	<0.97	<1.9	<2.4	<4.9	10 ug/l	1 ug/l
Carbon Disulfide	NTF	NTF	NTF	NTF	1000 ug/l	200 ug/l
Carbon Tetrachloride	<0.17	<0.33	<0.50	<1.0	5 ug/l	0.5 ug/l
Chlorobenzene	<0.71	<1.4	<0.50	<1.0	NS	NS
Chloroethane	<1.3	<2.7	1.6	<0.75	400 ug/l	80 ug/l
Chloroform	<1.3	<2.5	<2.5	<5.0	6 ug/l	0.6 ug/l
Chloromethane	<2.2	<4.4	<0.50	<1.0	3 ug/l	0.3 ug/l
Dibromochloromethane	<2.6	<5.2	<0.50	<1.0	60 ug/l	6 ug/l
1,2-Dibromo-3-chloropropane	<1.8	<3.5	<2.2	<4.3	0.2 ug/l	0.02 ug/l
1,2-Dichlorobenzene	1.2	1.7 J	1.2	1.3 J	75 ug/l	7.5 ug/l
1,2-Dibromomethane	<0.83	<1.7	<0.18	<0.33	NS	NS
1,1-Dichloroethane	1.4	1.9 J	15.8	4.0	850 ug/l	85 ug/l
1,2-Dichloroethane	<0.28	<0.56	<0.17	<0.34	5 ug/l	0.5 ug/l
1,1-Dichloroethene	<0.24	<0.49	0.71 J	<0.82	7 ug/l	0.7 ug/l
cis-1,2-Dichloroethene	4.1	2.0 J	1.3	<0.51	70 ug/l	7 ug/l
trans-1,2-Dichloroethene	3.0 J	4.5 J	2.7	5.3	100 ug/l	20 ug/l
1,2-Dichloropropane	<0.28	<0.56	<0.50	<0.47	5 ug/l	0.5 ug/l
Ethyl Benzene	<0.22	<0.44	<0.50	<1.0	700 ug/l	140 ug/l
2-Hexanone	<0.58	NTF	NTF	NTF	NS	NS
Methylene Chloride	NTF	<1.2	<0.23	<0.47	5 ug/l	0.5 ug/l
Methyl-tert-Butylether	<1.2	<2.5	<0.17	<0.35	60 ug/l	6 ug/l
Styrene	<1.2	<0.93	<0.50	<1.0	100 ug/l	10 ug/l
1,1,2,2-Tetrachloroethane	<0.27	<0.56	<0.26	<0.50	0.2 ug/l	0.02 ug/l
Tetrachloroethene	1.4	<0.65	>0.50	<1.0	5 ug/l	0.5 ug/l
Toluene	<0.17	<0.34	<0.50	<1.0	1 mg/l	0.2 mg/l
1,1,1-Trichloroethane	<0.24	<0.49	14.2	3.4	200 ug/l	40 ug/l
1,1,2-Trichloroethane	<0.55	<1.1	<0.20	<0.31	5 ug/l	0.5 ug/l
Trichloroethene	<0.26	<0.51	<0.33	<0.66	5 ug/l	0.5 ug/l
Vinyl Chloride	129	212	73.0	271	0.2 ug/l	0.02 ug/l
Total Xylenes	<0.73	<1.46	<1.50	<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

Groundwater Well MW-11

Test Description	Feb-19	Aug-18	Feb-18	Jul-17	NR 140 ES	NR 140 PAL
Method 8260	NTF	NTF	NTF	NTF	1000 ug/l	200 ug/l
Acetone	NTF	NTF	NTF	NTF	5 ug/l	0.5 ug/l
Benzene	<0.62	<0.62	<1.2	<1.2	0.6 ug/l	0.06 ug/l
Bromodichloromethane	<0.91	<0.91	<1.2	<1.2	4.4 ug/l	0.44 ug/l
Bromoform	<9.9	<9.9	<1.2	<1.2	10 ug/l	1 ug/l
Bromomethane	<2.4	<2.4	<6.1	<6.1	5 ug/l	0.5 ug/l
Carbon Tetrachloride	<0.41	<0.41	<1.2	<1.2	NS	NS
Chlorobenzene	<1.8	<1.8	<1.2	<1.2	400 ug/l	80 ug/l
Chloroethane	<3.4	<3.4	<0.94	<0.94	NS	NS
2-Chloroethyl Vinyl Ether	NTF	NTF	NTF	NTF	6 ug/l	0.6 ug/l
Chloroform	<3.2	<3.2	<6.2	<6.2	3 ug/l	0.3 ug/l
Chloromethane	<5.5	<5.5	<1.2	<1.2	60 ug/l	6 ug/l
Dibromochloromethane	<6.5	<6.5	<1.2	<1.2	0.2 ug/l	0.02 ug/l
1,2-Dibromo-3-chloropropane	<4.4	<4.4	<5.4	<5.4	NS	NS
1,2-Dibromomethane	<2.1	<2.1	<0.44	<0.44	850 ug/l	85 ug/l
1,1-Dichloroethane	<0.66	<0.66	<0.60	78	5 ug/l	0.5 ug/l
1,2-Dichloroethane	<2.1	<2.1	<0.42	<0.42	7 ug/l	0.7 ug/l
1,1-Dichloroethene	<0.61	<0.61	<1.0	4.8	70 ug/l	7 ug/l
cis-1,2-Dichloroethene	178	161	181	168	100 ug/l	20 ug/l
trans-1,2-Dichloroethene	13.6	8.1 J	9.6	7.5	5 ug/l	0.5 ug/l
1,2-Dichloropropane	<0.71	<0.71	<0.58	<0.58	700 ug/l	140 ug/l
Ethyl Benzene	<0.56	<0.56	<1.2	<1.2	5 ug/l	0.5 ug/l
Methylene Chloride	<1.5	<1.5	<0.58	0.78 J	500 ug/l	50 ug/l
4-Methyl-2-Pentanone	NTF	NTF	NTF	NTF	60 ug/l	6 ug/l
Methyl-tert-Butylether	<3.1	<3.1	<0.44	<0.44	100 ug/l	10 ug/l
Styrene	<1.2	<1.2	<1.2	<1.2	0.2 ug/l	0.02 ug/l
1,1,2,2-Tetrachloroethane	<0.67	<0.67	<0.62	<0.62	5 ug/l	0.5 ug/l
Tetrachloroethene	4.9	4.1	7.2	3.0	1 mg/l	0.2 mg/l
Toluene	<0.43	<0.43	<1.2	<1.2	200 ug/l	40 ug/l
1,1,1-Trichloroethane	<0.61	<0.61	<1.2	68.3	5 ug/l	0.5 ug/l
1,1,2-Trichloroethane	<1.4	<1.4	<0.49	<0.49	5 ug/l	0.5 ug/l
Trichloroethene	6.4	5.8	8.0	6.1	5 ug/l	0.5 ug/l
Vinyl Chloride	<0.44	0.47 J	0.95 J	1.4 J	0.2 ug/l	0.02 ug/l
Total Xylenes	<1.85	<1.85	<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-19	Aug-18	Feb-18	Jul-17	ES	PAL
Acetone	NTF	NTF	NTF	NTF	1000 ug/l	200 ug/l
Benzene	<2.5	<2.5	<5.0	<1.2	5 ug/l	0.5 ug/l
Bromodichloromethane	<3.6	<3.6	<5.0	<1.2	0.6 ug/l	0.06 ug/l
Carbon Tetrachloride	<1.7	<1.7	<5.0	<1.2	5 ug/l	0.5 ug/l
Chlorobenzene	<7.1	<7.1	<5.0	<1.2	NS	NS
Chloroethane	<13.4	<13.4	<3.7	2.7	400 ug/l	80 ug/l
Chloroform	<12.7	<12.7	<25.0	<6.2	6 ug/l	0.6 ug/l
Chloromethane	<21.9	<21.9	<5.0	<1.2	3 ug/l	0.3 ug/l
Dibromochloromethane	<26.0	<26.0	<5.0	<1.2	60 ug/l	6 ug/l
1,2-Dibromo-3-chloropropane	<17.6	<17.6	<21.6	>5.4	0.2 ug/l	0.02 ug/l
1,2-Dibromomethane	<8.3	<8.3	<1.8	<0.44	NS	NS
1,1-Dichloroethane	<2.7	<2.7	<2.4	21.4	850 ug/l	85 ug/l
1,2-Dichloroethane	<2.8	<2.8	<1.7	<0.42	5 ug/l	0.5 ug/l
1,1-Dichloroethene	<2.4	<2.4	<4.1	<1.0	7 ug/l	0.7 ug/l
cis-1,2-Dichloroethene	0.48 J	<2.7	<2.6	2.8	70 ug/l	7 ug/l
trans-1,2-Dichloroethene	<10.9	<10.9	<2.6	<0.64	100 ug/l	20 ug/l
1,2-Dichloropropane	<2.8	<2.8	<2.3	<0.58	5 ug/l	0.5 ug/l
Ethyl Benzene	<2.2	<2.2	<5.0	<1.2	700 ug/l	140 ug/l
Methylene Chloride	<0.58	9.4 J	<2.3	0.67 J	5 ug/l	0.5 ug/l
Methyl-tert-Butylether	<12.5	<12.5	<1.7	<0.44	60 ug/l	6 ug/l
1,1,2,2-Tetrachloroethane	<2.7	<2.7	<2.5	<0.62	0.2 ug/l	0.02 ug/l
Tetrachloroethene	<3.3	<3.3	<5.0	<1.2	5 ug/l	0.5 ug/l
Toluene	<1.7	<1.7	<5.0	<1.2	1 mg/l	0.2 mg/l
1,1,1-Trichloroethane	<2.4	<2.4	<5.0	11.0	200 ug/l	40 ug/l
1,1,2-Trichloroethane	<5.5	<5.5	<2.0	<0.48	5 ug/l	0.5 ug/l
Trichloroethene	<2.6	<2.6	<3.3	<0.83	5 ug/l	0.5 ug/l
Vinyl Chloride	<1.7	<1.7	<1.8	<0.44	0.2 ug/l	0.02 ug/l
Total Xylenes	<7.3	<7.3	<15.0	<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-13

Test Description

Method 8021

	Feb-19	Aug-18	Feb-18	Jul-17	NR 140 ES	NR 140 PAL
Benzene	<0.25	<0.25	<0.50	<0.50	5 ug/l	0.5 ug/l
Bromodichloromethane	<0.36	<0.36	<0.50	<0.50	0.6 ug/l	0.06 ug/l
Carbon Tetrachloride	<0.17	<0.17	<0.50	<0.50	5 ug/l	0.5 ug/l
Chlorobenzene	<0.71	<0.71	<0.50	<0.50	NS	NS
Chloroethane	<1.3	<1.3	<0.37	<0.37	400 ug/l	80 ug/l
Chloroform	<2.2	<2.2	<2.5	<2.5	6 ug/l	0.6 ug/l
Chloromethane	<2.6	<2.6	<0.50	<0.50	3 ug/l	0.3 ug/l
Dibromochloromethane	<1.6	<1.6	<0.50	<0.50	60 ug/l	6 ug/l
1,2-Dibromo-3-chloropropane	<0.83	<0.83	<2.2	<2.2	0.2 ug/l	0.02 ug/l
1,2-Dibromomethane	<0.27	<0.27	<0.16	<0.16	NS	NS
1,1-Dichloroethane	<0.28	<0.28	<0.24	<0.24	850 ug/l	85 ug/l
1,2-Dichloroethane	<0.24	<0.24	<0.41	<0.41	5 ug/l	0.5 ug/l
1,1-Dichloroethene	<3.6	<3.6	<0.41	<0.41	7 ug/l	0.7 ug/l
cis-1,2-Dichloroethene	1.1	<1.1	<0.26	<0.26	70 ug/l	7 ug/l
trans-1,2-Dichloroethene	<0.28	<0.28	<0.26	<0.26	100 ug/l	20 ug/l
1,2-Dichloropropane	<0.22	<0.22	<0.23	<0.23	5 ug/l	0.5 ug/l
Ethyl Benzene	<0.58	<0.58	<0.50	<0.50	700 ug/l	140 ug/l
Methylene Chloride	<1.2	<1.2	<0.23	<0.23	5 ug/l	0.5 ug/l
Methyl-tert-Butylether	<0.47	<0.47	<0.17	<0.17	60 ug/l	6 ug/l
1,1,2,2-Tetrachloroethane	<0.27	<0.27	<0.25	<0.25	0.2 ug/l	0.02 ug/l
Tetrachloroethene	<0.33	<0.33	<0.50	<0.50	5 ug/l	0.5 ug/l
Toluene	<0.17	<0.17	<0.50	<0.50	1 mg/l	0.2 mg/l
1,1,1-Trichloroethane	<0.24	<0.24	<0.50	<0.50	200 ug/l	40 ug/l
1,1,2-Trichloroethane	<0.55	<0.55	<0.20	<0.20	5 ug/l	0.5 ug/l
Trichloroethene	<0.26	<0.26	<0.33	<0.33	5 ug/l	0.5 ug/l
Vinyl Chloride	<0.17	<0.17	<0.18	<0.18	0.2 ug/l	0.02 ug/l
Total Xylenes	<0.73	<0.73	<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	Nov-18	Mar-18	Jul-17	Mar-17	ES	PAL
Acetone	NTF	NTF	NTF	NTF	1000 ug/l	200 ug/l
Benzene	<0.25	<0.50	<0.50	<0.50	5 ug/l	0.5 ug/l
Bromodichloromethane	<0.36	<0.50	<0.50	<0.50	0.6 ug/l	0.06 ug/l
Bromoform	<4.0	<0.50	<0.50	<0.50	4.4 ug/l	0.44 ug/l
Bromomethane	<0.97	<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	<0.17	<0.50	<0.50	<0.50	5 ug/l	0.5 ug/l
Chlorobenzene	<0.71	<0.50	<0.50	<0.50	NS	NS
Chloroethane	<1.3	<0.37	<0.37	<0.37	400 ug/l	80 ug/l
Chloroform	<1.3	<2.5	<2.5	<2.5	6 ug/l	0.6 ug/l
Chloromethane	<2.2	<0.50	<0.50	<0.50	3 ug/l	0.3 ug/l
Dibromochloromethane	<2.6	<0.50	<0.50	<0.50	60 ug/l	6 ug/l
1,2-Dibromo-3-chloropropane	<1.8	<2.2	<2.2	<2.2	0.2 ug/l	0.02 ug/l
1,2-Dibromomethane	<0.83	<0.18	<0.18	<0.18	NS	NS
1,1-Dichloroethane	5.0	35.6	48.2	43.5	850 ug/l	85 ug/l
1,2-Dichloroethane	<0.28	<0.17	<0.17	<0.17	5 ug/l	0.5 ug/l
1,1-Dichloroethene	<0.24	5.3	5.4	6.3	7 ug/l	0.7 ug/l
cis-1,2-Dichloroethene	10.1	5.7	6.3	6.1	70 ug/l	7 ug/l
trans-1,2-Dichloroethene	<1.1	0.37 J	0.59 J	<0.26	100 ug/l	20 ug/l
1,2-Dichloropropane	<0.28	<0.23	<0.23	<0.23	5 ug/l	0.5 ug/l
Ethyl Benzene	<0.22	<0.50	<0.50	<0.50	700 ug/l	140 ug/l
Methylene Chloride	<0.58	<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	<1.2	<0.17	<0.17	<0.17	60 ug/l	6 ug/l
Styrene	<1.2	<0.50	<0.50	<0.50	100 ug/l	10 ug/l
1,1,2,2-Tetrachloroethane	<0.27	<0.25	<0.25	<0.25	0.2 ug/l	0.02 ug/l
Tetrachloroethene	<0.33	<0.50	<0.50	<0.50	5 ug/l	0.5 ug/l
Toluene	<0.17	<0.50	<0.50	<0.50	1 mg/l	0.2 mg/l
1,1,1-Trichloroethane	68.3	67.7	73.6	83.9	200 ug/l	40 ug/l
1,1,2-Trichloroethane	<0.55	<0.20	<0.20	<0.20	5 ug/l	0.5 ug/l
Trichloroethene	10.5	5.9	5.4	5.6	5 ug/l	0.5 ug/l

Vinyl Chloride	1.2	0.59 J	0.99 J	0.20 J	0.2 ug/l	0.02 ug/l
Total Xylenes	<0.73	<1.50	<1.50	<1.50	10 mg/l	1 mg/l

VOCs reported in units of ug/l

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

Groundwater Well MW-15

Test Description					NR 140	NR 140
Method 8260	Aug-18	Mar-18	Dec-17	Mar-17	ES	PAL
Acetone	NTF	NTF	NTF	NTF	1000 ug/l	200 ug/l
Benzene	<0.25	<0.50	<0.50	<0.50	5 ug/l	0.5 ug/l
Bromodichloromethane	<0.36	<0.50	<0.50	<0.50	0.6 ug/l	0.06 ug/l
Bromoform	<4.0	<0.50	<0.50	<0.50	4.4 ug/l	0.44 ug/l
Bromomethane	<0.97	<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	<0.17	<0.50	<0.50	<0.50	5 ug/l	0.5 ug/l
Chlorobenzene	<0.71	<0.50	<0.50	<0.50	NS	NS
Chloroethane	<1.3	<0.37	<0.37	<0.37	400 ug/l	80 ug/l
Chloroform	<1.3	<2.5	<2.5	<2.5	6 ug/l	0.6 ug/l
Chloromethane	<2.2	<0.50	<0.50	<0.50	3 ug/l	0.3 ug/l
Dibromochloromethane	<2.6	<0.50	<0.50	<0.50	60 ug/l	6 ug/l
1,2-Dibromo-3-chloropropane	<1.8	<2.2	<2.2	<2.2	0.2 ug/l	0.02 ug/l
1,2-Dibromomethane	<0.83	<1.6	<1.6	<1.6	NS	NS
1,1-Dichloroethane	<0.27	<0.24	<0.24	<0.24	850 ug/l	85 ug/l
1,2-Dichloroethane	<0.28	<0.17	<0.17	<0.17	5 ug/l	0.5 ug/l
1,1-Dichloroethene	<0.24	<0.41	<0.41	<0.41	7 ug/l	0.7 ug/l
cis-1,2-Dichloroethene	<0.27	<0.26	<0.26	<0.26	70 ug/l	7 ug/l
trans-1,2-Dichloroethene	<1.1	<0.26	<0.26	<0.26	100 ug/l	20 ug/l
1,2-Dichloropropane	<0.28	<0.23	<0.23	<0.23	5 ug/l	0.5 ug/l
Ethyl Benzene	<0.22	<0.50	<0.50	<0.50	700 ug/l	140 ug/l
Methylene Chloride	<0.58	<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	<1.2	<0.17	<0.17	<0.17	60 ug/l	6 ug/l
Styrene	<1.2	<0.50	<0.50	<0.50	100 ug/l	10 ug/l
1,1,2,2-Tetrachloroethane	<0.27	<0.25	<0.25	<0.25	0.2 ug/l	0.02 ug/l
Tetrachloroethene	<0.33	<0.50	<0.50	<0.50	5 ug/l	0.5 ug/l
Toluene	<0.17	<0.50	<0.50	<0.50	1 mg/l	0.2 mg/l
1,1,1-Trichloroethane	<0.24	<0.50	<0.50	<0.50	200 ug/l	40 ug/l
1,1,2-Trichloroethane	<0.55	<0.16	<0.16	<0.16	5 ug/l	0.5 ug/l
Trichloroethene	<0.26	<0.33	<0.33	<0.33	5 ug/l	0.5 ug/l
Vinyl Chloride	<0.17	<0.18	<0.18	<0.18	0.2 ug/l	0.02 ug/l
Total Xylenes	<0.73	<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-19	Aug-18	Feb-18	Jul-17	ES	PAL
Benzene	<0.25	<0.25	<0.50	<0.50	5 ug/l	0.5 ug/l
Bromodichloromethane	<0.36	<0.36	<0.50	<0.50	0.6 ug/l	0.06 ug/l
Carbon Tetrachloride	<0.17	<0.17	<0.50	<0.50	5 ug/l	0.5 ug/l
Chlorobenzene	<0.71	<0.71	<0.50	<0.50	NS	NS
Chloroethane	<1.3	<1.3	<0.37	<0.37	400 ug/l	80 ug/l
Chloroform	<1.3	<1.3	<2.5	<2.5	6 ug/l	0.6 ug/l
Chloromethane	<2.2	<2.2	<0.50	<0.50	3 ug/l	0.3 ug/l
Dibromochloromethane	<2.6	<2.6	<0.50	<0.50	60 ug/l	6 ug/l
1,2-Dibromo-3-chloropropane	<1.8	<1.8	<2.2	<2.2	0.2 ug/l	0.02 ug/l
1,2-Dibromomethane	<0.83	<0.83	<0.18	<0.18	NS	NS
1,1-Dichloroethane	<0.27	<0.27	<0.41	<0.41	850 ug/l	85 ug/l
1,2-Dichloroethane	<0.28	<0.28	<0.17	<0.17	5 ug/l	0.5 ug/l
1,1-Dichloroethene	<0.24	<0.24	<0.41	<0.41	7 ug/l	0.7 ug/l
cis-1,2-Dichloroethene	<0.27	<0.27	<0.26	<0.26	70 ug/l	7 ug/l
trans-1,2-Dichloroethene	<1.1	<1.1	<0.26	<0.26	100 ug/l	20 ug/l
1,2-Dichloropropane	<0.28	<0.28	<0.23	<0.23	5 ug/l	0.5 ug/l
Ethyl Benzene	<0.22	<0.22	<0.50	<0.50	700 ug/l	140 ug/l
2-Hexanone	NTF	NTF	NTF	NTF	NS	NS
Methylene Chloride	<0.58	<0.58	<0.23	<0.23	5 ug/l	0.5 ug/l
Methyl-tert-Butylether	<1.2	<1.2	<0.17	<0.17	60 ug/l	6 ug/l
Styrene	<0.47	<0.47	<0.50	<0.50	100 ug/l	10 ug/l
1,1,2,2-Tetrachloroethane	<0.27	<0.27	<0.25	<0.25	0.2 ug/l	0.02 ug/l
Tetrachlorethane	<0.33	<0.33	<0.50	<0.50	5 ug/l	0.5 ug/l
Toluene	<0.17	<0.17	<0.50	<0.50	1 mg/l	0.2 mg/l
1,1,1-Trichloroethane	<0.24	<0.24	<0.50	<0.50	200 ug/l	40 ug/l
1,1,2-Trichloroethane	<0.55	<0.55	<0.20	<0.20	5 ug/l	0.5 ug/l
Trichloroethene	<0.26	<0.26	<0.33	<0.33	5 ug/l	0.5 ug/l
Vinyl Chloride	<0.17	<0.17	<0.18	<0.18	0.2 ug/l	0.02 ug/l
Total Xylenes	<0.73	<0.73	<1.50	<1.50	10 mg/l	1 mg/l

VOCs reported in units of ug/l

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

Groundwater Well MW-17

Test Description					NR 140	NR 140
Method 8260B	Apr-19	Nov-18	May-18	Dec-17	ES	PAL
Acetone	NTF	NTF	NTF	NTF	1000 ug/l	200 ug/l
Benzene	<0.25	<0.25	<0.50	<0.50	5 ug/l	0.5 ug/l
Bromodichloromethane	<0.36	<0.36	<0.50	<0.50	0.6 ug/l	0.06 ug/l
Bromoform	<4.0	<4.0	<0.50	<0.50	4.4 ug/l	0.44 ug/l
Bromomethane	<0.97	<0.97	<2.4	<2.4	10 ug/l	1 ug/l
Carbon Disulfide	NTF	NTF	NTF	NTF	1000 ug/l	200 ug/l
Carbon Tetrachloride	<0.17	<0.17	<0.50	<0.50	5 ug/l	0.5 ug/l
Chlorobenzene	<0.71	<0.71	<0.50	<0.50	NS	NS
Chloroethane	<1.3	<1.3	<0.37	<0.37	400 ug/l	80 ug/l
Chloroform	<1.3	<1.3	<2.5	<2.5	6 ug/l	0.6 ug/l
Chloromethane	<2.2	<2.2	<0.50	<0.50	3 ug/l	0.3 ug/l
Dibromochloromethane	<2.6	<2.6	<0.50	<0.50	60 ug/l	6 ug/l
1,2-Dibromo-3-chloropropane	<1.8	<1.8	<2.2	<2.2	0.2 ug/l	0.02 ug/l
1,2-Dibromomethane	<0.83	<0.83	<0.18	<0.18	NS	NS
1,1-Dichloroethane	0.43 J	0.39 J	<0.24	0.29 J	850 ug/l	85 ug/l
1,2-Dichloroethane	<0.28	<0.28	<0.17	<0.17	5 ug/l	0.5 ug/l
1,1-Dichloroethene	<0.24	<0.24	<0.41	<0.41	7 ug/l	0.7 ug/l
cis-1,2-Dichloroethene	<0.27	<0.27	<0.26	<0.26	70 ug/l	7 ug/l
trans-1,2-Dichloroethene	<1.1	<1.1	<0.26	<0.26	100 ug/l	20 ug/l
1,2-Dichloropropane	<0.28	<0.28	<0.23	<0.23	5 ug/l	0.5 ug/l
Ethyl Benzene	<0.22	<0.22	<0.50	<0.50	700 ug/l	140 ug/l
2-Hexanone	<0.58	<0.58	NTF	NTF	NS	NS
Methylene Chloride	NTF	NTF	<0.23	<0.23	5 ug/l	0.5 ug/l
Methyl-tert-Butylether	<1.2	<1.2	<0.17	<0.17	60 ug/l	6 ug/l
Styrene	<1.2	<1.2	<0.50	<0.50	100 ug/l	10 ug/l
1,1,2,2-Tetrachloroethane	<0.27	<0.27	<0.25	<0.25	0.2 ug/l	0.02 ug/l
Tetrachloroethene	<0.33	<0.33	<0.50	<0.50	5 ug/l	0.5 ug/l
Toluene	<0.17	<0.17	<0.50	<0.50	1 mg/l	0.2 mg/l
1,1,1-Trichloroethane	<0.24	0.59 J	<0.50	<0.50	200 ug/l	40 ug/l
1,1,2-Trichloroethane	<0.55	<0.55	<0.20	<0.20	5 ug/l	0.5 ug/l
Trichloroethene	<0.26	<0.26	<0.33	<0.33	5 ug/l	0.5 ug/l

Vinyl Chloride	<0.17	<0.17	<0.18	<0.18	0.2 ug/l	0.02 ug/l
Total Xylenes	<0.73	<0.73	<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	Apr-19	Jun-18	Jun-17	May-16	ES	PAL
Acetone	NTF	NS - FP	NS - FP	NTF	1000 ug/l	200 ug/l
Benzene	<0.62	NS - FP	NS - FP	<0.50	5 ug/l	0.5 ug/l
Bromodichloromethane	<0.91	NS - FP	NS - FP	<0.50	0.6 ug/l	0.06 ug/l
Bromoform	<9.9	NS - FP	NS - FP	<0.50	4.4 ug/l	0.44 ug/l
Bromomethane	<2.4	NS - FP	NS - FP	<2.4	10 ug/l	1 ug/l
2-Butanone (MEK)	NTF	NS - FP	NS - FP	NTF	460 ug/l	90 ug/l
Carbon Tetrachloride	<0.41	NS - FP	NS - FP	<0.50	5 ug/l	0.5 ug/l
Chlorobenzene	<1.8	NS - FP	NS - FP	<0.50	NS	NS
Chloroethane	<3.4	NS - FP	NS - FP	<0.37	400 ug/l	80 ug/l
2-Chloroethyl Vinyl Ether	NTF	NS - FP	NS - FP	NTF	NS	NS
Chloroform	<3.2	NS - FP	NS - FP	<2.5	6 ug/l	0.6 ug/l
Chloromethane	<5.5	NS - FP	NS - FP	<0.50	3 ug/l	0.3 ug/l
Dibromochloromethane	<6.5	NS - FP	NS - FP	<0.50	60 ug/l	6 ug/l
1,2-Dibromo-3-chloropropane	<4.4	NS - FP	NS - FP	<2.2	0.2 ug/l	0.02 ug/l
1,2-Dibromomethane	<3.1	NS - FP	NS - FP	<0.18	NS	NS
1,1-Dichloroethane	<1.4	NS - FP	NS - FP	<0.24	850 ug/l	85 ug/l
1,2-Dichloroethane	<0.70	NS - FP	NS - FP	<0.17	5 ug/l	0.5 ug/l
1,1-Dichloroethene	<0.61	NS - FP	NS - FP	<0.41	7 ug/l	0.7 ug/l
cis-1,2-Dichloroethene	<0.68	NS - FP	NS - FP	<0.26	70 ug/l	7 ug/l
trans-1,2-Dichloroethene	<0.27	NS - FP	NS - FP	<0.26	100 ug/l	20 ug/l
1,2-Dichloropropane	<0.71	NS - FP	NS - FP	<0.23	5 ug/l	0.5 ug/l
Ethyl Benzene	<0.55	NS - FP	NS - FP	<0.50	700 ug/l	140 ug/l
Methylene Chloride	<1.5	NS - FP	NS - FP	<0.23	5 ug/l	0.5 ug/l
4-Methyl-2-Pentanone	NTF	NS - FP	NS - FP	NTF	NS	NS
Methyl-tert-Butylether	<3.1	NS - FP	NS - FP	<0.17	60 ug/l	6 ug/l
Styrene	<1.2	NS - FP	NS - FP	<0.50	100 ug/l	10 ug/l
1,1,2,2-Tetrachloroethane	<0.69	NS - FP	NS - FP	<0.26	0.2 ug/l	0.02 ug/l
Tetrachlorethane	<0.82	NS - FP	NS - FP	<0.50	5 ug/l	0.5 ug/l
Toluene	<0.43	NS - FP	NS - FP	0.88 J	1 mg/l	0.2 mg/l
1,1,1-Trichloroethane	<0.61	NS - FP	NS - FP	<0.50	200 ug/l	40 ug/l
1,1,2-Trichloroethane	<1.4	NS - FP	NS - FP	<0.20	5 ug/l	0.5 ug/l

Trichloroethene	<0.64	NS - FP	NS - FP	<0.33	5 ug/l	0.5 ug/l
Vinyl Chloride	<0.44	NS - FP	NS - FP	<0.18	0.2 ug/l	0.02 ug/l
Total Xylenes	<1.85	NS - FP	NS - FP	<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
 NS - FP No Sample Free Product

Groundwater Well MW-19

Test Description					NR 140	NR 140
Method 8260	Feb-19	Aug-18	Feb-18	Jul-17	ES	PAL
Benzene	<0.25	<0.25	<0.50	<0.50	5 ug/l	0.5 ug/l
Bromodichloromethane	<0.36	<0.36	<0.50	<0.50	0.6 ug/l	0.06 ug/l
Carbon Tetrachloride	<0.17	<0.17	<0.50	<0.50	5 ug/l	0.5 ug/l
Chlorobenzene	<0.71	<0.71	<0.50	<0.50	NS	NS
Chloroethane	<1.3	<1.3	<0.37	<0.37	400 ug/l	80 ug/l
Chloroform	<1.3	<1.3	<2.5	<2.5	6 ug/l	0.6 ug/l
Chloromethane	<2.2	<2.2	<0.50	<0.50	3 ug/l	0.3 ug/l
Dibromochloromethane	<2.6	<2.6	<0.50	<0.50	60 ug/l	6 ug/l
1,2-Dibromo-3-chloropropane	<1.8	<1.8	<2.2	<2.2	0.2 ug/l	0.02 ug/l
1,2-Dibromomethane	<0.83	<0.83	<0.18	<0.18	NS	NS
1,1-Dichloroethane	<0.24	<0.24	0.40 J	0.56 J	850 ug/l	85 ug/l
1,2-Dichloroethane	<0.28	<0.28	<0.17	<0.17	5 ug/l	0.5 ug/l
1,1-Dichloroethene	<0.24	<0.24	<0.41	<0.41	7 ug/l	0.7 ug/l
cis-1,2-Dichloroethene	0.60 J	<0.27	<0.26	<0.26	70 ug/l	7 ug/l
trans-1,2-Dichloroethene	<1.1	<1.1	<0.26	<0.26	100 ug/l	20 ug/l
1,2-Dichloropropane	<0.28	<0.28	<0.23	<0.23	5 ug/l	0.5 ug/l
Ethyl Benzene	<0.22	<0.22	<0.50	<0.50	700 ug/l	140 ug/l
Methylene Chloride	<0.58	<0.58	<0.23	<0.23	5 ug/l	0.5 ug/l
Methyl-tert-Butyl-Ether	<1.2	<1.2	<0.17	<0.17	60 ug/l	6 ug/l
Styrene	<0.47	<0.47	<0.50	<0.50	100 ug/l	10 ug/l
1,1,2,2-Tetrachloroethane	<0.27	<0.27	<0.25	<0.25	0.2 ug/l	0.02 ug/l
Tetrachlorethane	<0.33	<0.33	<0.50	<0.50	5 ug/l	0.5 ug/l
Toluene	<0.17	<0.17	<0.50	<0.50	1 mg/l	0.2 mg/l
1,1,1-Trichloroethane	<0.24	<0.24	<0.50	<0.50	200 ug/l	40 ug/l
1,1,2-Trichloroethane	<0.55	<0.55	<0.20	<0.20	5 ug/l	0.5 ug/l
Trichloroethene	<0.26	<0.26	<0.33	<0.33	5 ug/l	0.5 ug/l
Vinyl Chloride	<0.17	<0.17	<0.18	<0.18	0.2 ug/l	0.02 ug/l
Total Xylenes	<0.73	<0.73	<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 ES	NR 140 PAL
Method 8260	Apr-19	Jun-18	Jun-17	Apr-15		
Acetone	NTF	NS - FP	NS - FP	NTF	1000 ug/l	200 ug/l
Benzene	<1.2	NS - FP	NS - FP	<5.0	5 ug/l	0.5 ug/l
Bromodichloromethane	<1.8	NS - FP	NS - FP	<5.0	0.6 ug/l	0.06 ug/l
Bromoform	<19.9	NS - FP	NS - FP	<5.0	4.4 ug/l	0.44 ug/l
Bromomethane	<4.9	NS - FP	NS - FP	<24.3	10 ug/l	1 ug/l
2-Butanone (MEK)	NTF	NS - FP	NS - FP	NTF	460 ug/l	90 ug/l
Carbon Tetrachloride	<0.83	NS - FP	NS - FP	<5.0	5 ug/l	0.5 ug/l
Chlorobenzene	<3.6	NS - FP	NS - FP	<5.0	NS	NS
Chloroethane	<6.7	NS - FP	NS - FP	<3.7	400 ug/l	80 ug/l
2-Chloroethyl Vinyl Ether	NTF	NS - FP	NS - FP	NTF	NS	NS
Chloroform	<6.4	NS - FP	NS - FP	<25.0	6 ug/l	0.6 ug/l
Chloromethane	<10.9	NS - FP	NS - FP	<5.0	3 ug/l	0.3 ug/l
Dibromochloromethane	<13.0	NS - FP	NS - FP	<5.0	60 ug/l	6 ug/l
1,2-Dibromo-3-chloropropane	<8.8	NS - FP	NS - FP	<21.6	0.2 ug/l	0.02 ug/l
1,2-Dibromomethane	<4.1	NS - FP	NS - FP	<1.8	NS	NS
1,1-Dichloroethane	<1.4	NS - FP	NS - FP	<2.4	850 ug/l	85 ug/l
1,2-Dichloroethane	<1.4	NS - FP	NS - FP	<1.7	5 ug/l	0.5 ug/l
1,1-Dichloroethene	<1.2	NS - FP	NS - FP	<4.1	7 ug/l	0.7 ug/l
cis-1,2-Dichloroethene	<1.4	NS - FP	NS - FP	<2.6	70 ug/l	7 ug/l
trans-1,2-Dichloroethene	<5.5	NS - FP	NS - FP	<2.6	100 ug/l	20 ug/l
1,2-Dichloropropane	<1.4	NS - FP	NS - FP	<2.3	5 ug/l	0.5 ug/l
Ethyl Benzene	<1.1	NS - FP	NS - FP	<5.0	700 ug/l	140 ug/l
Methylene Chloride	<2.9	NS - FP	NS - FP	<2.3	5 ug/l	0.5 ug/l
4-Methyl-2-Pentanone	NTF	NS - FP	NS - FP	NTF	NS	NS
Methyl-tert-Butyl-Ether	<6.2	NS - FP	NS - FP	<1.7	60 ug/l	6 ug/l
Styrene	<2.3	NS - FP	NS - FP	<5.0	100 ug/l	10 ug/l
1,1,2,2-Tetrachloroethane	<1.4	NS - FP	NS - FP	<2.5	0.2 ug/l	0.02 ug/l
Tetrachlorethane	<1.6	NS - FP	NS - FP	<5.0	5 ug/l	0.5 ug/l

Toluene	<0.86	NS - FP	NS - FP	<5.0	1 mg/l	0.2 mg/l
1,1,1-Trichloroethane	<1.2	NS - FP	NS - FP	<5.0	200 ug/l	40 ug/l
1,1,2-Trichloroethane	<2.8	NS - FP	NS - FP	<2.0	5 ug/l	0.5 ug/l
Trichloroethene	<1.3	NS - FP	NS - FP	<3.3	5 ug/l	0.5 ug/l
Vinyl Chloride	<0.87	NS - FP	NS - FP	<1.8	0.2 ug/l	0.02 ug/l
Total Xylenes	<3.6	NS - FP	NS - FP	<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
NS - FP No Sample Free Product

Groundwater Well MW-21

Test Description					NR 140 ES	NR 140 PAL
Method 8260	Apr-19	Jun-18	Jun-17	May-16		
Acetone	NTF	NS - FP	NS - FP	NTF	1000 ug/l	200 ug/l
Benzene	<0.62	NS - FP	NS - FP	<2.5	5 ug/l	0.5 ug/l
Bromodichloromethane	<0.91	NS - FP	NS - FP	<2.5	0.6 ug/l	0.06 ug/l
Bromoform	<9.9	NS - FP	NS - FP	<2.5	4.4 ug/l	0.44 ug/l
Bromomethane	<2.4	NS - FP	NS - FP	<12.2	10 ug/l	1 ug/l
2-Butanone (MEK)	NTF	NS - FP	NS - FP	NTF	460 ug/l	90 ug/l
Carbon Tetrachloride	<0.41	NS - FP	NS - FP	<2.5	5 ug/l	0.5 ug/l
Chlorobenzene	<1.8	NS - FP	NS - FP	<2.5	NS	NS
Chloroethane	<3.4	NS - FP	NS - FP	<1.9	400 ug/l	80 ug/l
2-Chloroethyl Vinyl Ether	NTF	NS - FP	NS - FP	NTF	NS	NS
Chloroform	<3.2	NS - FP	NS - FP	<12.5	6 ug/l	0.6 ug/l
Chloromethane	<5.5	NS - FP	NS - FP	<2.5	3 ug/l	0.3 ug/l
Dibromochloromethane	<6.5	NS - FP	NS - FP	<2.5	60 ug/l	6 ug/l
1,2-Dibromo-3-chloropropane	<4.4	NS - FP	NS - FP	<10.8	0.2 ug/l	0.02 ug/l
1,2-Dibromomethane	<3.1	NS - FP	NS - FP	<0.89	NS	NS
1,1-Dichloroethane	1.5 J	NS - FP	NS - FP	<1.2	850 ug/l	85 ug/l
1,2-Dichloroethane	<0.70	NS - FP	NS - FP	<0.84	5 ug/l	0.5 ug/l
1,1-Dichloroethene	<0.61	NS - FP	NS - FP	<2.1	7 ug/l	0.7 ug/l
cis-1,2-Dichloroethene	<0.68	NS - FP	NS - FP	<1.3	70 ug/l	7 ug/l
trans-1,2-Dichloroethene	<0.27	NS - FP	NS - FP	<1.2	100 ug/l	20 ug/l
1,2-Dichloropropane	<0.71	NS - FP	NS - FP	<1.2	5 ug/l	0.5 ug/l
Ethyl Benzene	<0.55	NS - FP	NS - FP	<2.5	700 ug/l	140 ug/l
Methylene Chloride	<1.5	NS - FP	NS - FP	<1.2	5 ug/l	0.5 ug/l
4-Methyl-2-Pentanone	NTF	NS - FP	NS - FP	NTF	NS	NS
Methyl-tert-Butyl-Ether	<3.1	NS - FP	NS - FP	<0.87	60 ug/l	6 ug/l
Styrene	<1.2	NS - FP	NS - FP	<2.5	100 ug/l	10 ug/l
1,1,2,2-Tetrachloroethane	<0.69	NS - FP	NS - FP	<1.2	0.2 ug/l	0.02 ug/l
Tetrachlorethane	<0.82	NS - FP	NS - FP	<2.5	5 ug/l	0.5 ug/l

Toluene	<0.43	NS - FP	NS - FP	<2.5	1 mg/l	0.2 mg/l
1,1,1-Trichloroethane	<0.61	NS - FP	NS - FP	<2.5	200 ug/l	40 ug/l
1,1,2-Trichloroethane	<1.4	NS - FP	NS - FP	<0.99	5 ug/l	0.5 ug/l
Trichloroethene	<0.64	NS - FP	NS - FP	<1.7	5 ug/l	0.5 ug/l
Vinyl Chloride	<0.44	NS - FP	NS - FP	<0.88	0.2 ug/l	0.02 ug/l
Total Xylenes	<1.85	NS - FP	NS - FP	<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-22

Test Description					NR 140	NR 140
Method 8260B	Apr-19	Nov-18	May-18	Dec-17	ES	PAL
Acetone	NTF	NTF	NTF	NTF	1000 ug/l	200 ug/l
Benzene	<0.25	<0.25	<0.50	<0.50	5 ug/l	0.5 ug/l
Bromodichloromethane	<0.36	<0.36	<0.50	<0.50	0.6 ug/l	0.06 ug/l
Bromoform	<4.0	<4.0	<0.50	<0.50	4.4 ug/l	0.44 ug/l
Bromomethane	<0.97	<0.97	<2.4	<2.4	10 ug/l	1 ug/l
Carbon Disulfide	NTF	NTF	NTF	NTF	1000 ug/l	200 ug/l
Carbon Tetrachloride	<0.17	<0.17	<0.50	<0.50	5 ug/l	0.5 ug/l
Chlorobenzene	<0.71	<0.71	<0.50	<0.50	NS	NS
Chloroethane	<1.3	<1.3	1.5	<0.37	400 ug/l	80 ug/l
Chloroform	<1.3	<1.3	<2.5	<2.5	6 ug/l	0.6 ug/l
Chloromethane	<2.2	<2.2	<0.50	<0.50	3 ug/l	0.3 ug/l
Dibromochloromethane	<2.6	<2.6	<0.50	<0.50	60 ug/l	6 ug/l
1,2-Dibromo-3-chloropropane	<1.8	<1.8	<2.2	<2.2	0.2 ug/l	0.02 ug/l
1,2-Dibromomethane	<0.83	<0.83	<0.16	<0.16	NS	NS
1,1-Dichloroethane	0.69 J	1.0	14.0	1.3	850 ug/l	85 ug/l
1,2-Dichloroethane	<0.28	<0.28	<0.17	<0.17	5 ug/l	0.5 ug/l
1,1-Dichloroethene	<0.24	<0.24	0.66 J	<0.41	7 ug/l	0.7 ug/l
cis-1,2-Dichloroethene	<0.27	<0.27	<0.26	<0.26	70 ug/l	7 ug/l
trans-1,2-Dichloroethene	<1.1	<1.1	<0.26	<0.26	100 ug/l	20 ug/l
1,2-Dichloropropane	<0.28	<0.28	<0.23	<0.23	5 ug/l	0.5 ug/l
Ethyl Benzene	<0.22	<0.22	<0.50	<0.50	700 ug/l	140 ug/l
2-Hexanone	<0.58	<0.58	NTF	NTF	NS	NS
Methylene Chloride	NTF	NTF	<0.23	<0.23	5 ug/l	0.5 ug/l
Methyl-tert-Butylether	<1.2	<1.2	<0.17	<0.17	60 ug/l	6 ug/l
Styrene	<1.2	<1.2	<0.50	<0.50	100 ug/l	10 ug/l

1,1,2,2-Tetrachloroethane	<0.27	<0.27	<0.25	<0.25	0.2 ug/l	0.02 ug/l
Tetrachloroethene	<0.33	<0.33	<0.50	<0.50	5 ug/l	0.5 ug/l
Toluene	<0.17	<0.17	<0.50	<0.50	1 mg/l	0.2 mg/l
1,1,1-Trichloroethane	<0.24	1.1	13.0	2.8	200 ug/l	40 ug/l
1,1,2-Trichloroethane	<0.55	<0.55	<0.16	<0.16	5 ug/l	0.5 ug/l
Trichloroethene	<0.26	<0.26	<0.33	<0.33	5 ug/l	0.5 ug/l
Vinyl Chloride	<0.17	<0.17	<0.18	<0.18	0.2 ug/l	0.02 ug/l
Total Xylenes	<0.73	<0.73	<1.50	<1.50	10 mg/l	1 mg/l

VOCs reported in units of ug/l

B: Analyte detected in the associated Method Blank

J: Analyte detected below quantitation limits

Groundwater Well MW-23

Test Description					NR 140	NR 140
Method 8260B	Apr-19	Nov-18	May-18	Dec-17	ES	PAL
Acetone	NTF	NTF	NTF	NTF	1000 ug/l	200 ug/l
Benzene	<0.25	<0.25	<0.50	<0.50	5 ug/l	0.5 ug/l
Bromodichloromethane	<0.36	<0.36	<0.50	<0.50	0.6 ug/l	0.06 ug/l
Bromoform	<4.0	<4.0	<0.50	<0.50	4.4 ug/l	0.44 ug/l
Bromomethane	<0.97	<0.97	<2.4	<2.4	10 ug/l	1 ug/l
Carbon Disulfide	NTF	NTF	NTF	NTF	1000 ug/l	200 ug/l
Carbon Tetrachloride	<0.17	<0.17	<0.50	<0.50	5 ug/l	0.5 ug/l
Chlorobenzene	<0.71	<0.71	<0.50	<0.50	NS	NS
Chloroethane	<1.3	<1.3	3.5	<0.37	400 ug/l	80 ug/l
Chloroform	<1.3	<1.3	<2.5	<2.5	6 ug/l	0.6 ug/l
Chloromethane	<2.2	<2.2	<0.50	<0.50	3 ug/l	0.3 ug/l
Dibromochloromethane	<2.6	<2.6	<0.50	<0.50	60 ug/l	6 ug/l
1,2-Dibromo-3-chloropropane	<1.8	<1.8	<2.2	<2.2	0.2 ug/l	0.02 ug/l
1,2-Dibromomethane	<0.83	<0.83	<0.16	<0.16	NS	NS
1,1-Dichloroethane	2.9	2.3	24.5	3.0	850 ug/l	85 ug/l
1,2-Dichloroethane	<0.28	<0.28	<0.17	<0.17	5 ug/l	0.5 ug/l
1,1-Dichloroethene	<0.24	<0.24	1.7	<0.41	7 ug/l	0.7 ug/l
cis-1,2-Dichloroethene	<0.27	<0.27	<0.26	<0.26	70 ug/l	7 ug/l
trans-1,2-Dichloroethene	<1.1	<1.1	<0.26	<0.26	100 ug/l	20 ug/l
1,2-Dichloropropane	<0.28	<0.28	<0.23	<0.23	5 ug/l	0.5 ug/l
Ethyl Benzene	<0.22	<0.22	<0.50	<0.50	700 ug/l	140 ug/l
2-Hexanone	<0.58	<0.58	NTF	NTF	NS	NS
Methylene Chloride	NTF	NTF	<0.23	<0.23	5 ug/l	0.5 ug/l
Methyl-tert-Butylether	<1.2	<1.2	<0.17	<0.17	60 ug/l	6 ug/l
Styrene	<1.2	<1.2	<0.50	<0.50	100 ug/l	10 ug/l
1,1,2,2-Tetrachloroethane	<0.27	<0.27	<0.25	<0.25	0.2 ug/l	0.02 ug/l
Tetrachloroethene	<0.33	<0.33	<0.50	<0.50	5 ug/l	0.5 ug/l

Toluene	<0.17	<0.17	<0.50	<0.50	1 mg/l	0.2 mg/l
1,1,1-Trichloroethane	0.54 J	1.6	26.6	6.3	200 ug/l	40 ug/l
1,1,2-Trichloroethane	<0.55	<0.55	<0.16	<0.16	5 ug/l	0.5 ug/l
Trichloroethene	<0.26	<0.26	<0.33	<0.33	5 ug/l	0.5 ug/l
Vinyl Chloride	<0.17	<0.17	<0.18	<0.18	0.2 ug/l	0.02 ug/l
Total Xylenes	<0.73	<0.73	<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	Apr-19	Nov-18	Jun-18	Dec-17		
Acetone	NTF	NTF	NTF	NTF	1000 ug/l	200 ug/l
Benzene	<0.99	<0.99	<2.0	<2.0	5 ug/l	0.5 ug/l
Bromodichloromethane	<1.5	<1.5	<2.0	<2.0	0.6 ug/l	0.06 ug/l
Bromoform	<15.9	<15.9	<2.0	<2.0	4.4 ug/l	0.44 ug/l
Bromomethane	<3.9	<3.9	<9.7	<9.7	10 ug/l	1 ug/l
Carbon Disulfide	NTF	NTF	NTF	NTF	1000 ug/l	200 ug/l
Carbon Tetrachloride	<0.66	<0.66	<2.0	<2.0	5 ug/l	0.5 ug/l
Chlorobenzene	<2.8	<2.8	<2.0	<2.0	NS	NS
Chloroethane	9.2 J	9.7 J	16.3	31.0	400 ug/l	80 ug/l
Chloroform	<5.1	<5.1	<10.0	<10.0	6 ug/l	0.6 ug/l
Chloromethane	<8.8	<8.8	<2.0	4.0	3 ug/l	0.3 ug/l
Dibromochloromethane	<10.4	<10.4	<2.0	<2.0	60 ug/l	6 ug/l
1,2-Dibromo-3-chloropropane	<7.1	<7.1	<8.7	<8.7	0.2 ug/l	0.02 ug/l
1,2-Dibromomethane	<3.3	<3.3	<0.71	<0.71	NS	NS
1,1-Dichloroethane	271	309	217	325	850 ug/l	85 ug/l
1,2-Dichloroethane	<1.1	1.8 J	<0.67	<0.67	5 ug/l	0.5 ug/l
1,1-Dichloroethene	<0.98	1.9 J	1.6 J	2.2 J	7 ug/l	0.7 ug/l
cis-1,2-Dichloroethene	<1.1	<1.1	<1.0	<1.0	70 ug/l	7 ug/l
trans-1,2-Dichloroethene	<4.4	<4.4	<1.0	<1.0	100 ug/l	20 ug/l
1,2-Dichloropropane	<1.1	<1.1	<0.93	<0.93	5 ug/l	0.5 ug/l
Ethyl Benzene	<0.87	<0.87	<2.0	<2.0	700 ug/l	140 ug/l
2-Hexanone	NTF	NTF	NTF	NTF	NS	NS
Methylene Chloride	<2.3	<2.3	0.97 J	1.7 J	5 ug/l	0.5 ug/l
Methyl-tert-Butylether	<5.0	<5.0	<0.70	<0.70	60 ug/l	6 ug/l
Styrene	<1.9	<1.9	<2.0	<2.0	100 ug/l	10 ug/l

1,1,2,2-Tetrachloroethane	<1.1	<1.1	<1.0	<1.0	0.2 ug/l	0.02 ug/l
Tetrachloroethene	<1.3	<1.3	<2.0	<2.0	5 ug/l	0.5 ug/l
Toluene	<0.69	<0.69	<2.0	<2.0	1 mg/l	0.2 mg/l
1,1,1-Trichloroethane	29.0	43.5	30.8	39.6	200 ug/l	40 ug/l
1,1,2-Trichloroethane	<2.2	<2.2	<0.79	<0.79	5 ug/l	0.5 ug/l
Trichloroethene	<1.0	<1.0	<1.3	<1.3	5 ug/l	0.5 ug/l
Vinyl Chloride	5.3	6.6	5.7	5.9	0.2 ug/l	0.02 ug/l
Total Xylenes	<2.9	<2.9	<6.0	<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	Apr-19	Nov-18	May-18	Dec-17	ES	PAL
Acetone	NTF	NTF	NTF	NTF	1000 ug/l	200 ug/l
Benzene	<0.25	<0.25	<0.50	<0.50	5 ug/l	0.5 ug/l
Bromodichloromethane	<0.36	<0.36	<0.50	<0.50	0.6 ug/l	0.06 ug/l
Bromoform	<4.0	<4.0	<0.50	<0.50	4.4 ug/l	0.44 ug/l
Bromomethane	<0.97	<0.97	<2.4	<2.4	10 ug/l	1 ug/l
Carbon Disulfide	NTF	NTF	NTF	NTF	1000 ug/l	200 ug/l
Carbon Tetrachloride	<0.17	<0.17	<0.50	<0.50	5 ug/l	0.5 ug/l
Chlorobenzene	<0.71	<0.71	<0.50	<0.50	NS	NS
Chloroethane	<1.3	<1.3	8.6	<0.37	400 ug/l	80 ug/l
Chloroform	<1.3	<1.3	<2.5	<2.5	6 ug/l	0.6 ug/l
Chloromethane	<2.2	<2.2	<0.50	<0.50	3 ug/l	0.3 ug/l
Dibromochloromethane	<2.6	<2.6	<0.50	<0.50	60 ug/l	6 ug/l
1,2-Dibromo-3-chloropropane	<1.8	<1.8	<2.2	<2.2	0.2 ug/l	0.02 ug/l
1,2-Dibromomethane	<0.83	<0.83	<0.16	<0.16	NS	NS
1,1-Dichloroethane	126	73.8	151	98.9	850 ug/l	85 ug/l
1,2-Dichloroethane	0.65 J	0.29 J	0.49 J	0.52 J	5 ug/l	0.5 ug/l
1,1-Dichloroethene	<0.24	<0.24	3.4	<0.41	7 ug/l	0.7 ug/l
cis-1,2-Dichloroethene	4.4	2.6	4.2	3.8	70 ug/l	7 ug/l
trans-1,2-Dichloroethene	<1.1	<1.1	0.66 J	0.62 J	100 ug/l	20 ug/l
1,2-Dichloropropane	<0.28	<0.28	<0.23	<0.23	5 ug/l	0.5 ug/l
Ethyl Benzene	<0.22	<0.22	<0.50	<0.50	700 ug/l	140 ug/l
2-Hexanone	<0.58	<0.58	NTF	NTF	NS	NS
Methylene Chloride	NTF	NTF	<0.23	<0.23	5 ug/l	0.5 ug/l
Methyl-tert-Butylether	<1.2	<1.2	<0.17	<0.17	60 ug/l	6 ug/l
Styrene	<1.2	<1.2	<0.50	<0.50	100 ug/l	10 ug/l
1,1,2,2-Tetrachloroethane	<0.27	<0.27	<0.25	<0.25	0.2 ug/l	0.02 ug/l

Tetrachloroethene	<0.33	<0.33	<0.50	<0.50	5 ug/l	0.5 ug/l
Toluene	<0.17	<0.17	<0.50	<0.50	1 mg/l	0.2 mg/l
1,1,1-Trichloroethane	5.2	4.6	49.7	14.0	200 ug/l	40 ug/l
1,1,2-Trichloroethane	<0.55	<0.55	0.36 J	<0.49	5 ug/l	0.5 ug/l
Trichloroethene	<0.26	<0.26	<0.33	<0.33	5 ug/l	0.5 ug/l
Vinyl Chloride	1.0	0.53 J	1.8	1.3	0.2 ug/l	0.02 ug/l
Total Xylenes	<0.73	<0.73	<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-402N

Test Description					NR 140	NR 140
Method 8260	Feb-19	Aug-18	Feb-18	Jul-17	ES	PAL
Benzene	<0.25	<0.25	<0.50	<0.50	5 ug/l	0.5 ug/l
Bromodichloromethane	<0.36	<0.36	<0.50	<0.50	0.6 ug/l	0.06 ug/l
Carbon Tetrachloride	<0.17	<0.17	<0.50	<0.50	5 ug/l	0.5 ug/l
Chlorobenzene	<0.71	<0.71	<0.50	<0.50	NS	NS
Chloroform	<1.3	<1.3	<2.5	<2.5	6 ug/l	0.6 ug/l
Chloromethane	<2.2	<2.2	<0.50	<0.50	3 ug/l	0.3 ug/l
Dibromochloromethane	<2.6	<2.6	<0.50	<0.50	60 ug/l	6 ug/l
1,2-Dibromo-3-chloropropane	<1.6	<1.6	<2.2	<2.2	0.2 ug/l	0.02 ug/l
1,2-Dibromomethane	<0.83	<0.83	<0.16	<0.16	NS	NS
1,1-Dichloroethane	<0.27	<0.27	<0.24	<0.24	850 ug/l	85 ug/l
1,2-Dichloroethane	<0.28	<0.28	<0.17	<0.17	5 ug/l	0.5 ug/l
1,1-Dichloroethene	<0.24	<0.24	<0.41	<0.41	7 ug/l	0.7 ug/l
cis-1,2-Dichloroethene	1.1	<3.6	<0.26	<0.26	70 ug/l	7 ug/l
trans-1,2-Dichloroethene	<1.1	<1.1	<0.26	<0.26	100 ug/l	20 ug/l
1,2-Dichloropropane	<0.28	<0.28	<0.23	<0.23	5 ug/l	0.5 ug/l
Ethyl Benzene	<0.22	<0.22	<0.50	<0.50	700 ug/l	140 ug/l
Methylene Chloride	<0.58	<0.58	<0.23	<0.23	5 ug/l	0.5 ug/l
Methyl-tert-Butyl-Ether	<1.2	<1.2	<0.17	<0.17	60 ug/l	6 ug/l
Styrene	<0.47	<0.47	<0.50	<0.50	100 ug/l	10 ug/l
1,1,2,2-Tetrachloroethane	<0.27	<0.27	<0.25	<0.25	0.2 ug/l	0.02 ug/l
Tetrachlorethane	<0.33	<0.33	<0.50	<0.50	5 ug/l	0.5 ug/l
Toluene	<0.17	<0.17	<0.50	<0.50	1 mg/l	0.2 mg/l
1,1,1-Trichloroethane	<0.24	<0.24	<0.50	<0.50	200 ug/l	40 ug/l
1,1,2-Trichloroethane	<0.55	<0.55	<0.16	<0.16	5 ug/l	0.5 ug/l

Trichloroethene	<0.26	<0.26	<0.33	<0.33	5 ug/l	0.5 ug/l
Vinyl Chloride	<0.17	<0.17	<0.18	<0.18	0.2 ug/l	0.02 ug/l
Total Xylenes	<0.73	<0.73	<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 2019 sampling round shows that 1,1,1-Trichloroethane was detected at MW-23 (0.54 J ug/l), MW-24 (29.0 ug/l), and MW-25 (5.2 ug/l). The 4th Quarter 2018 sampling round shows that 1,1,1-Trichloroethane was detected at MW-6 (1.6 J ug/l), MW-7 (0.89 J ug/l), MW-9 (0.71 J ug/l), MW-14 (68.3 ug/l), MW-17 (0.59 J ug/l), MW-22 (1.1 ug/l), MW-23 (1.6 ug/l), MW-24 (43.5 ug/l), and MW-25 (4.6 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 3rd Quarter 2018 and 4th Quarter 2018 sampling events. The PAL was exceeded at MW-24 during the 4th Quarter 2018 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 2019 sampling round shows that 1,1-Dichloroethane was detected at MW-1 (45.3 ug/l), MW-2 (18.2 ug/l), MW-6 (79.4 ug/l), MW-7 (1.9 ug/l), MW-9 (1.5 ug/l), MW-10 (1.4 ug/l), MW-17 (0.43 J ug/l), MW-21 (1.5 J ug/l), MW-22 (0.69 J ug/l), MW-23 (2.9 ug/l), MW-24 (271 ug/l), and MW-25 (126 ug/l). The 1st Quarter 2019 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 2018 sampling round shows that 1,1-Dichloroethane was detected at MW-1 (43.6 ug/l), MW-2 (16.8 ug/l), MW-6 (73.2 ug/l), MW-7 (2.0 ug/l), MW-9 (3.9 ug/l), MW-10 (1.9 J ug/l), MW-14 (5.0 ug/l), MW-17 (0.39 J ug/l), MW-22 (1.0 ug/l), MW-23 (2.3 ug/l), MW-24 (309 ug/l), and MW-25 (73.8 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 2019 and 4th Quarter 2018 sampling event. The PAL was exceeded at MW-25 during the 2nd Quarter 2019 sampling event.

The 2nd Quarter 2019 sampling round shows that 1,2-Dichloroethane was detected at MW-25 (0.65 ug/l J). The 4th Quarter 2018 sampling round shows that 1,2-Dichloroethane was detected at MW-24 (1.8 J ug/l) and MW-25 (0.29 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 4th Quarter 2018 sampling event. The PAL was exceeded at MW-25 during the 2nd Quarter 2019 sampling event.

The 4th Quarter 2018 sampling round shows that 1,1-Dichloroethene was detected at MW-24 (1.9 J ug/l). 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 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 2018 sampling event.

The 2nd Quarter 2019 sampling round shows that cis-1,2-Dichloroethene was detected at MW-9 (0.85 J ug/l), MW-10 (4.1 ug/l), MW-11 (178 ug/l), and MW-25 (4.4 ug/l). The 1st Quarter 2019 sampling round shows that cis-1,2-Dichloroethene was detected at MW-12 (0.48 J ug/l), MW-13 (1.1 ug/l), MW-14 (10.1 ug/l), and MW-19 (0.60 J ug/l). The 4th Quarter 2018 sampling round shows that cis-1,2-Dichloroethene was detected at MW-6 (0.93 J ug/l), MW-9 (0.88 J ug/l), MW-10 (2.0 J ug/l), MW-14 (10.1 ug/l), and MW-25 (2.6 ug/l). The 3rd Quarter 2018 sampling round shows that cis-1,2-Dichloroethene was detected at MW-11 (161 ug/l). The PAL is 7 ug/l and the ES is 70 ug/l for cis-1,2-Dichloroethene. The PAL was exceeded at MW-14 during the 1st Quarter 2019 sampling event. The ES was exceeded at MW-11 during the 3rd

Quarter 2018 and 2nd Quarter 2019 sampling event.

The 1st Quarter 2019 sampling round showed that trans-1,2-Dichloroethene was detected at MW-11 (13.6 ug/l). The 4th Quarter 2018 sampling round showed that trans-1,2-Dichloroethene was detected at MW-10 (4.5 J ug/l). The 3rd Quarter 2018 sampling round showed that trans-1,2-Dichloroethene was detected at MW-11 (8.1 J ug/l). The PAL is 20 ug/l and the ES is 100 ug/l for trans-1,2-Dichloroethene.

The 2nd Quarter 2019 sampling round shows that 1,2-Dichlorobenzene was detected at MW-10 (1.2 ug/l). The 4th Quarter 2018 sampling round shows that 1,2-Dichlorobenzene was detected at MW-10 (1.7 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 2019 sampling round shows that Trichloroethene was detected at MW-11 (6.4 ug/l). The 4th Quarter 2018 sampling round shows that Trichloroethene was detected at MW-14 (10.5 ug/l). Trichloroethene was not detected at any monitoring well, above the limits of detection, during the 2nd Quarter 2019 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, 1st Quarter 2018, and 1st Quarter 2019 sampling event. The ES was exceeded at MW-14 during the 4th Quarter 2018 and 1st Quarter 2018 sampling event.

Chloroethane was detected at MW-24 (9.2 J ug/l) during the 2nd Quarter 2019 sampling event. Chloroethane was detected at MW-24 (9.7 J ug/l) during the 4th Quarter 2018 sampling event. Chloroethane was not detected at any monitoring well, above the limits of detection, during the 1st Quarter 2019 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 4th Quarter 2018, 2nd Quarter 2019, and 1st Quarter 2019 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 2nd Quarter 2019 sampling round shows that Tetrachloroethene was detected at MW-10 (1.4 ug/l). The 1st Quarter 2019 sampling round shows that Tetrachloroethene was detected at MW-11 (4.9 ug/l). Tetrachloroethene was not detected at any monitoring well, in quantities above the method detection limit, during the 3rd Quarter 2018 and 4th Quarter 2018 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 1st Quarter 2019 sampling event.

The 2nd Quarter 2019 sampling round shows that Vinyl Chloride was detected at MW-10 (129 ug/l), MW-24 (5.3 ug/l), and MW-25 (1.0 ug/l). The 4th Quarter 2018 sampling round shows that Vinyl Chloride was detected at MW-1 (5.3 J ug/l), MW-6 (0.39 J ug/l), MW-10 (212 ug/l), MW-14 (1.2 ug/l), MW-24 (6.6 ug/l), and MW-25 (0.53 J ug/l). The 3rd Quarter 2018 sampling round shows that Vinyl Chloride was detected at MW-11 (0.47 J ug/l) and MW-14 (1.2 ug/l). The PAL is 0.02 ug/l and the ES is 0.2 ug/l for Vinyl Chloride. The ES was exceeded at MW-10, MW-24, and MW-25 during the 2nd Quarter 2019 sampling event. The ES was exceeded at MW-11 and MW-14 during the 3rd Quarter 2018 and 1st Quarter 2018 sampling event. The ES was exceeded at MW-1, MW-6, MW-10, MW-14, MW-24, and MW-25 during the 4th Quarter 2018 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.

The 3rd Quarter 2018 sampling round shows that Methylene Chloride was detected at MW-11 (9.4 J ug/l). Methylene Chloride was detected at MW-24 (1.7 J ug/l) during the 4th Quarter 2017 sampling event. The PAL is 0.5 ug/l and the ES is 5 ug/l for Methylene Chloride. The PAL was exceeded at MW-24 during the 2nd Quarter 2016 and 4th Quarter 2016 sampling event. The ES was exceeded at MW-11 during the 3rd Quarter 2018 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 2019 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.

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

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

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

CONCLUSIONS/RECOMMENDATIONS:

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

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

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

Selected interior and perimeter monitoring wells will continue to be sampled for VOCs semi-annually, alternating quarterly, during 2019. The next groundwater-sampling round will occur during the 3rd Quarter 2019.

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

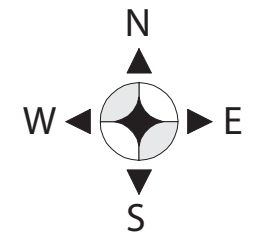
APPENDIX I: Well Location/Flow Direction Maps

APPENDIX II: Laboratory Reports

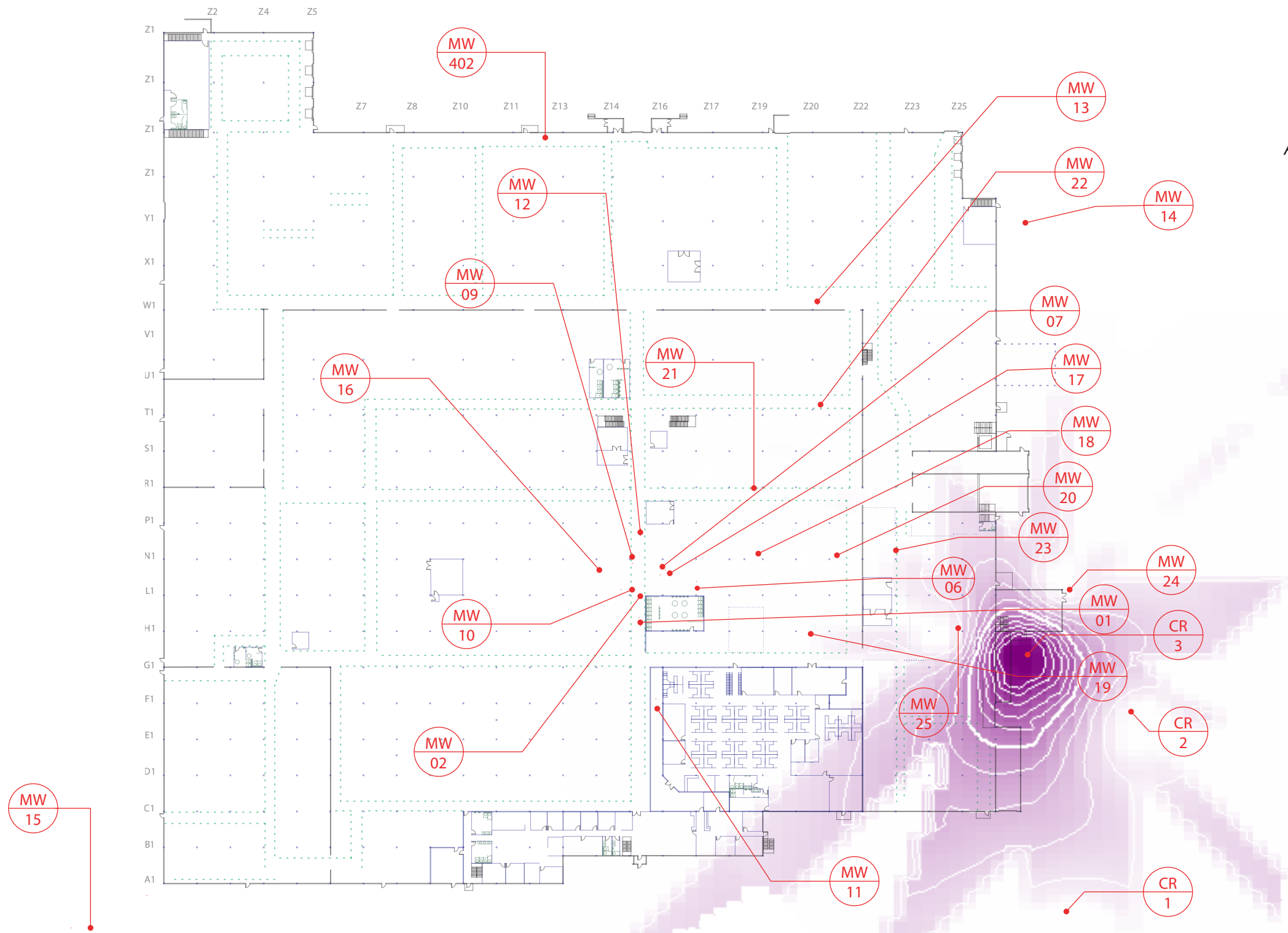
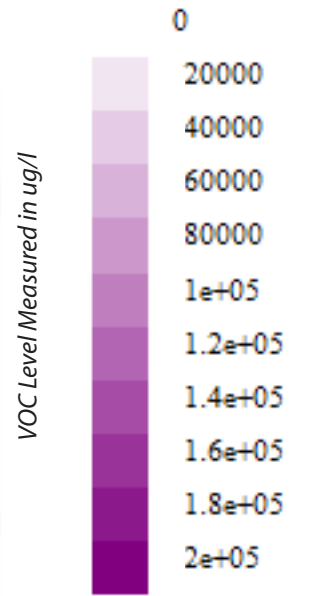
APPENDIX III: Mann-Kendall Statistical Tests

APPENDIX IV: Vapor Intrusion Results

Appendix I - Maps



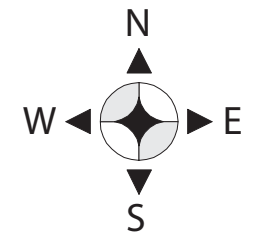
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1" = 85'



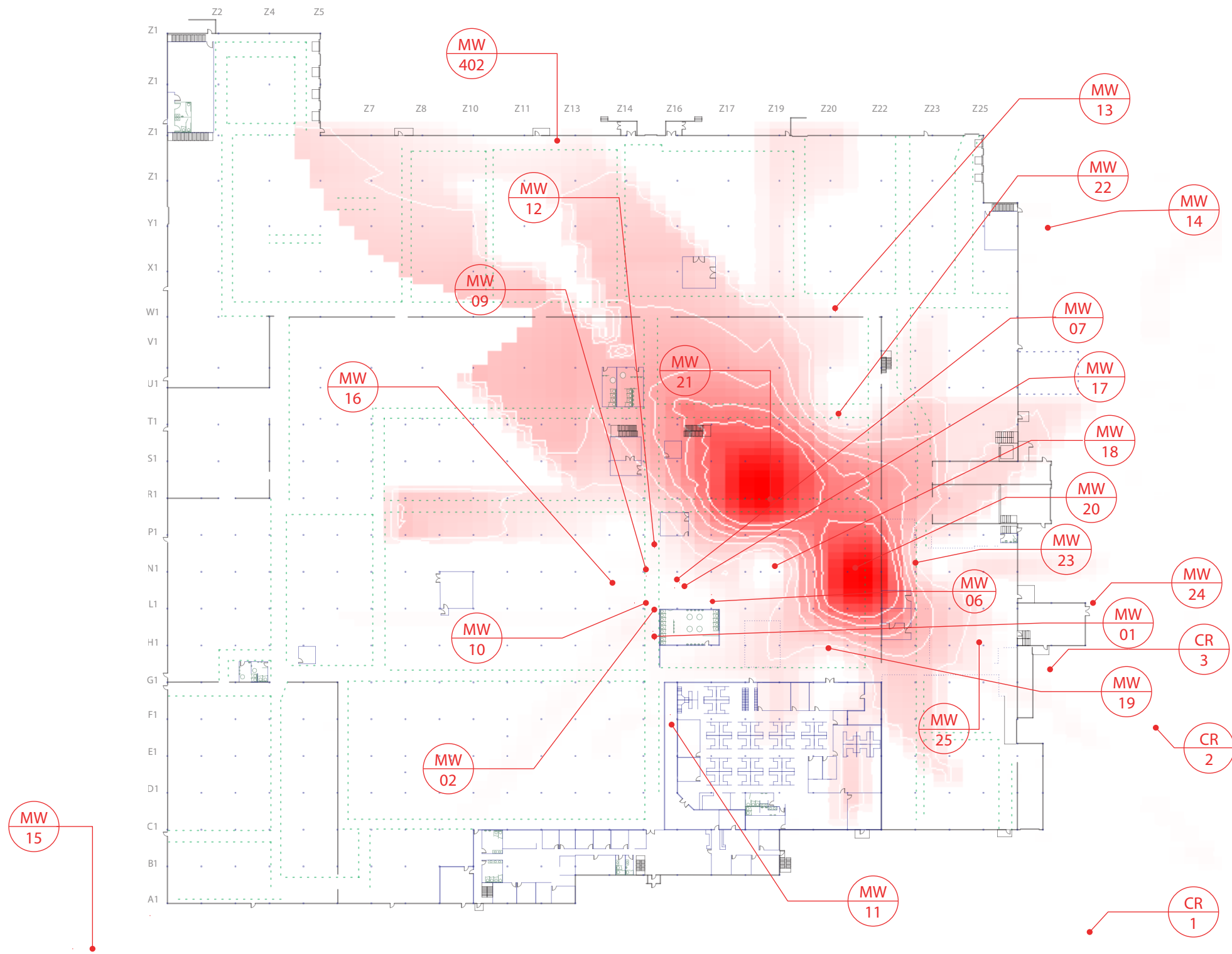
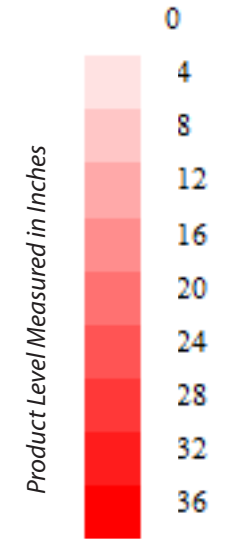
Twin Disc, Inc.
Broach Pit Project
2D - VOC Level Map
Plant 3 - Level 1

Drawn on 07/20/16





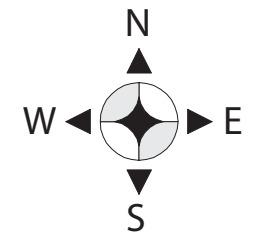
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1" = 85'



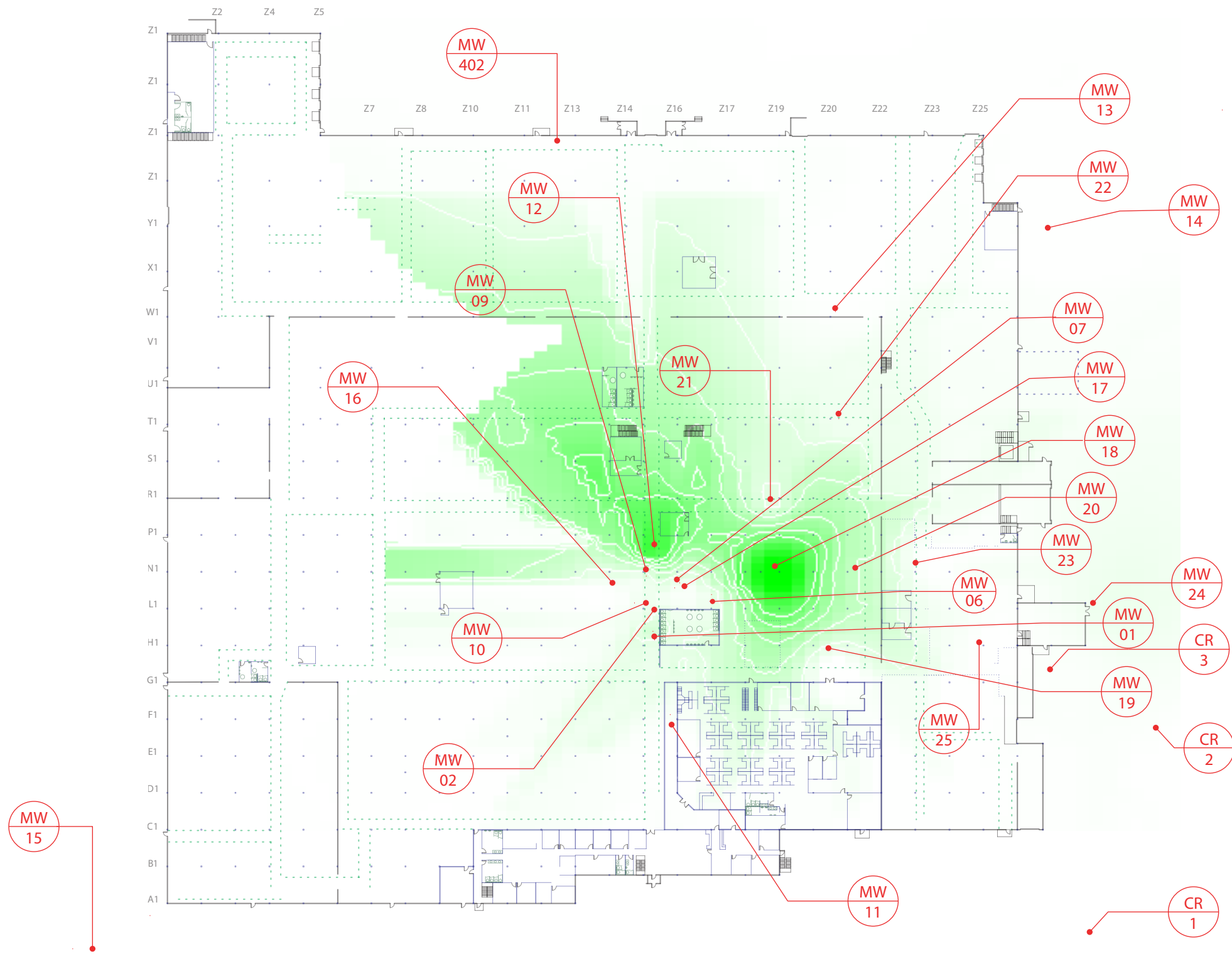
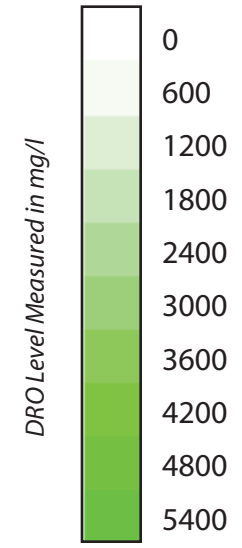
Twin Disc, Inc.
Broach Pit Project
2D - Product Level Map
Plant 3 - Level 1

Drawn on 07/20/16





APPROXIMATE SCALE:
1" = 85'



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

Drawn on 05/16/15



Appendix III – Lab Reports

February 27, 2019

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

RE: Project: TD P3 1ST QTR GW
Pace Project No.: 40183379

Dear John Ruetz:

Enclosed are the analytical results for sample(s) received by the laboratory on February 21, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



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

Enclosures

cc: Ed Raymond, Environmental Audits, Inc
Steve Tiber, 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.: 40183379

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 1ST QTR GW

Pace Project No.: 40183379

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40183379001	MW-402 N	Water	02/19/19 00:00	02/21/19 09:15
40183379002	MW-11	Water	02/19/19 00:00	02/21/19 09:15
40183379003	MW-12	Water	02/19/19 00:00	02/21/19 09:15
40183379004	MW-13	Water	02/19/19 00:00	02/21/19 09:15
40183379005	MW-16	Water	02/19/19 00:00	02/21/19 09:15
40183379006	MW-19	Water	02/19/19 00:00	02/21/19 09:15
40183379007	TRIP BLANK	Water	02/19/19 00:00	02/21/19 09:15

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SAMPLE ANALYTE COUNT

Project: TD P3 1ST QTR GW

Pace Project No.: 40183379

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40183379001	MW-402 N	EPA 8260	ALD	64
40183379002	MW-11	EPA 8260	ALD	64
40183379003	MW-12	EPA 8260	ALD	64
40183379004	MW-13	EPA 8260	ALD	64
40183379005	MW-16	EPA 8260	ALD	64
40183379006	MW-19	EPA 8260	ALD	64
40183379007	TRIP BLANK	EPA 8260	ALD	64

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TD P3 1ST QTR GW
Pace Project No.: 40183379

Sample: MW-402 N **Lab ID: 40183379001** Collected: 02/19/19 00:00 Received: 02/21/19 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		02/22/19 12:15	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		02/22/19 12:15	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		02/22/19 12:15	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		02/22/19 12:15	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		02/22/19 12:15	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		02/22/19 12:15	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		02/22/19 12:15	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		02/22/19 12:15	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		02/22/19 12:15	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		02/22/19 12:15	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		02/22/19 12:15	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		02/22/19 12:15	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		02/22/19 12:15	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		02/22/19 12:15	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		02/22/19 12:15	107-06-2	M1
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		02/22/19 12:15	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		02/22/19 12:15	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		02/22/19 12:15	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		02/22/19 12:15	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		02/22/19 12:15	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		02/22/19 12:15	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		02/22/19 12:15	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		02/22/19 12:15	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		02/22/19 12:15	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		02/22/19 12:15	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		02/22/19 12:15	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		02/22/19 12:15	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		02/22/19 12:15	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		02/22/19 12:15	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		02/22/19 12:15	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		02/22/19 12:15	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		02/22/19 12:15	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		02/22/19 12:15	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		02/22/19 12:15	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		02/22/19 12:15	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		02/22/19 12:15	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		02/22/19 12:15	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		02/22/19 12:15	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		02/22/19 12:15	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		02/22/19 12:15	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		02/22/19 12:15	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		02/22/19 12:15	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		02/22/19 12:15	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		02/22/19 12:15	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		02/22/19 12:15	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		02/22/19 12:15	127-18-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TD P3 1ST QTR GW

Pace Project No.: 40183379

Sample: MW-402 N **Lab ID: 40183379001** Collected: 02/19/19 00:00 Received: 02/21/19 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Toluene	<0.17	ug/L	5.0	0.17	1		02/22/19 12:15	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		02/22/19 12:15	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		02/22/19 12:15	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		02/22/19 12:15	75-01-4	
cis-1,2-Dichloroethene	1.1	ug/L	1.0	0.27	1		02/22/19 12:15	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		02/22/19 12:15	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		02/22/19 12:15	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		02/22/19 12:15	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		02/22/19 12:15	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		02/22/19 12:15	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		02/22/19 12:15	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		02/22/19 12:15	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		02/22/19 12:15	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		02/22/19 12:15	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		02/22/19 12:15	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		02/22/19 12:15	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		02/22/19 12:15	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		02/22/19 12:15	2037-26-5	

Sample: MW-11 **Lab ID: 40183379002** Collected: 02/19/19 00:00 Received: 02/21/19 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.67	ug/L	2.5	0.67	2.5		02/22/19 18:37	630-20-6	
1,1,1-Trichloroethane	<0.61	ug/L	2.5	0.61	2.5		02/22/19 18:37	71-55-6	
1,1,1,2,2-Tetrachloroethane	<0.69	ug/L	2.5	0.69	2.5		02/22/19 18:37	79-34-5	
1,1,2-Trichloroethane	<1.4	ug/L	12.5	1.4	2.5		02/22/19 18:37	79-00-5	
1,1-Dichloroethane	<0.68	ug/L	2.5	0.68	2.5		02/22/19 18:37	75-34-3	
1,1-Dichloroethene	<0.61	ug/L	2.5	0.61	2.5		02/22/19 18:37	75-35-4	
1,1-Dichloropropene	<1.4	ug/L	4.5	1.4	2.5		02/22/19 18:37	563-58-6	
1,2,3-Trichlorobenzene	<1.6	ug/L	12.5	1.6	2.5		02/22/19 18:37	87-61-6	
1,2,3-Trichloropropane	<1.5	ug/L	12.5	1.5	2.5		02/22/19 18:37	96-18-4	
1,2,4-Trichlorobenzene	<2.4	ug/L	12.5	2.4	2.5		02/22/19 18:37	120-82-1	
1,2,4-Trimethylbenzene	<2.1	ug/L	7.0	2.1	2.5		02/22/19 18:37	95-63-6	
1,2-Dibromo-3-chloropropane	<4.4	ug/L	14.7	4.4	2.5		02/22/19 18:37	96-12-8	
1,2-Dibromoethane (EDB)	<2.1	ug/L	6.9	2.1	2.5		02/22/19 18:37	106-93-4	
1,2-Dichlorobenzene	<1.8	ug/L	5.9	1.8	2.5		02/22/19 18:37	95-50-1	
1,2-Dichloroethane	<0.70	ug/L	2.5	0.70	2.5		02/22/19 18:37	107-06-2	
1,2-Dichloropropane	<0.71	ug/L	2.5	0.71	2.5		02/22/19 18:37	78-87-5	
1,3,5-Trimethylbenzene	<2.2	ug/L	7.3	2.2	2.5		02/22/19 18:37	108-67-8	
1,3-Dichlorobenzene	<1.6	ug/L	5.2	1.6	2.5		02/22/19 18:37	541-73-1	
1,3-Dichloropropane	<2.1	ug/L	6.9	2.1	2.5		02/22/19 18:37	142-28-9	

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ANALYTICAL RESULTS

Project: TD P3 1ST QTR GW

Pace Project No.: 40183379

Sample: MW-11 **Lab ID: 40183379002** Collected: 02/19/19 00:00 Received: 02/21/19 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,4-Dichlorobenzene	<2.4	ug/L	7.9	2.4	2.5		02/22/19 18:37	106-46-7	
2,2-Dichloropropane	<5.7	ug/L	18.9	5.7	2.5		02/22/19 18:37	594-20-7	
2-Chlorotoluene	<2.3	ug/L	12.5	2.3	2.5		02/22/19 18:37	95-49-8	
4-Chlorotoluene	<1.9	ug/L	6.3	1.9	2.5		02/22/19 18:37	106-43-4	
Benzene	<0.62	ug/L	2.5	0.62	2.5		02/22/19 18:37	71-43-2	
Bromobenzene	<0.60	ug/L	2.5	0.60	2.5		02/22/19 18:37	108-86-1	
Bromochloromethane	<0.91	ug/L	12.5	0.91	2.5		02/22/19 18:37	74-97-5	
Bromodichloromethane	<0.91	ug/L	3.0	0.91	2.5		02/22/19 18:37	75-27-4	
Bromoform	<9.9	ug/L	33.1	9.9	2.5		02/22/19 18:37	75-25-2	
Bromomethane	<2.4	ug/L	12.5	2.4	2.5		02/22/19 18:37	74-83-9	
Carbon tetrachloride	<0.41	ug/L	2.5	0.41	2.5		02/22/19 18:37	56-23-5	
Chlorobenzene	<1.8	ug/L	5.9	1.8	2.5		02/22/19 18:37	108-90-7	
Chloroethane	<3.4	ug/L	12.5	3.4	2.5		02/22/19 18:37	75-00-3	
Chloroform	<3.2	ug/L	12.5	3.2	2.5		02/22/19 18:37	67-66-3	
Chloromethane	<5.5	ug/L	18.2	5.5	2.5		02/22/19 18:37	74-87-3	
Dibromochloromethane	<6.5	ug/L	21.7	6.5	2.5		02/22/19 18:37	124-48-1	
Dibromomethane	<2.3	ug/L	7.8	2.3	2.5		02/22/19 18:37	74-95-3	
Dichlorodifluoromethane	<1.2	ug/L	12.5	1.2	2.5		02/22/19 18:37	75-71-8	
Diisopropyl ether	<4.7	ug/L	15.7	4.7	2.5		02/22/19 18:37	108-20-3	
Ethylbenzene	<0.55	ug/L	2.5	0.55	2.5		02/22/19 18:37	100-41-4	
Hexachloro-1,3-butadiene	<3.0	ug/L	12.5	3.0	2.5		02/22/19 18:37	87-68-3	
Isopropylbenzene (Cumene)	<0.98	ug/L	12.5	0.98	2.5		02/22/19 18:37	98-82-8	
Methyl-tert-butyl ether	<3.1	ug/L	10.4	3.1	2.5		02/22/19 18:37	1634-04-4	
Methylene Chloride	<1.5	ug/L	12.5	1.5	2.5		02/22/19 18:37	75-09-2	
Naphthalene	<2.9	ug/L	12.5	2.9	2.5		02/22/19 18:37	91-20-3	
Styrene	<1.2	ug/L	3.9	1.2	2.5		02/22/19 18:37	100-42-5	
Tetrachloroethene	4.9	ug/L	2.7	0.82	2.5		02/22/19 18:37	127-18-4	
Toluene	<0.43	ug/L	12.5	0.43	2.5		02/22/19 18:37	108-88-3	
Trichloroethene	6.4	ug/L	2.5	0.64	2.5		02/22/19 18:37	79-01-6	
Trichlorofluoromethane	<0.54	ug/L	2.5	0.54	2.5		02/22/19 18:37	75-69-4	
Vinyl chloride	<0.44	ug/L	2.5	0.44	2.5		02/22/19 18:37	75-01-4	
cis-1,2-Dichloroethene	178	ug/L	2.5	0.68	2.5		02/22/19 18:37	156-59-2	
cis-1,3-Dichloropropene	<9.1	ug/L	30.2	9.1	2.5		02/22/19 18:37	10061-01-5	
m&p-Xylene	<1.2	ug/L	5.0	1.2	2.5		02/22/19 18:37	179601-23-1	
n-Butylbenzene	<1.8	ug/L	5.9	1.8	2.5		02/22/19 18:37	104-51-8	
n-Propylbenzene	<2.0	ug/L	12.5	2.0	2.5		02/22/19 18:37	103-65-1	
o-Xylene	<0.65	ug/L	2.5	0.65	2.5		02/22/19 18:37	95-47-6	
p-Isopropyltoluene	<2.0	ug/L	6.7	2.0	2.5		02/22/19 18:37	99-87-6	
sec-Butylbenzene	<2.1	ug/L	12.5	2.1	2.5		02/22/19 18:37	135-98-8	
tert-Butylbenzene	<0.76	ug/L	2.5	0.76	2.5		02/22/19 18:37	98-06-6	
trans-1,2-Dichloroethene	13.6	ug/L	9.1	2.7	2.5		02/22/19 18:37	156-60-5	
trans-1,3-Dichloropropene	<10.9	ug/L	36.4	10.9	2.5		02/22/19 18:37	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		2.5		02/22/19 18:37	460-00-4	
Dibromofluoromethane (S)	111	%	70-130		2.5		02/22/19 18:37	1868-53-7	
Toluene-d8 (S)	101	%	70-130		2.5		02/22/19 18:37	2037-26-5	

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ANALYTICAL RESULTS

Project: TD P3 1ST QTR GW

Pace Project No.: 40183379

Sample: MW-12 **Lab ID: 40183379003** Collected: 02/19/19 00:00 Received: 02/21/19 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		02/22/19 17:52	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		02/22/19 17:52	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		02/22/19 17:52	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		02/22/19 17:52	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		02/22/19 17:52	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		02/22/19 17:52	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		02/22/19 17:52	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		02/22/19 17:52	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		02/22/19 17:52	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		02/22/19 17:52	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		02/22/19 17:52	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		02/22/19 17:52	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		02/22/19 17:52	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		02/22/19 17:52	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		02/22/19 17:52	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		02/22/19 17:52	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		02/22/19 17:52	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		02/22/19 17:52	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		02/22/19 17:52	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		02/22/19 17:52	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		02/22/19 17:52	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		02/22/19 17:52	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		02/22/19 17:52	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		02/22/19 17:52	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		02/22/19 17:52	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		02/22/19 17:52	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		02/22/19 17:52	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		02/22/19 17:52	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		02/22/19 17:52	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		02/22/19 17:52	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		02/22/19 17:52	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		02/22/19 17:52	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		02/22/19 17:52	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		02/22/19 17:52	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		02/22/19 17:52	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		02/22/19 17:52	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		02/22/19 17:52	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		02/22/19 17:52	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		02/22/19 17:52	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		02/22/19 17:52	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		02/22/19 17:52	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		02/22/19 17:52	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		02/22/19 17:52	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		02/22/19 17:52	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		02/22/19 17:52	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		02/22/19 17:52	127-18-4	

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ANALYTICAL RESULTS

Project: TD P3 1ST QTR GW

Pace Project No.: 40183379

Sample: MW-12 **Lab ID: 40183379003** Collected: 02/19/19 00:00 Received: 02/21/19 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Toluene	<0.17	ug/L	5.0	0.17	1		02/22/19 17:52	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		02/22/19 17:52	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		02/22/19 17:52	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		02/22/19 17:52	75-01-4	
cis-1,2-Dichloroethene	0.48J	ug/L	1.0	0.27	1		02/22/19 17:52	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		02/22/19 17:52	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		02/22/19 17:52	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		02/22/19 17:52	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		02/22/19 17:52	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		02/22/19 17:52	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		02/22/19 17:52	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		02/22/19 17:52	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		02/22/19 17:52	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		02/22/19 17:52	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		02/22/19 17:52	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		02/22/19 17:52	460-00-4	pH
Dibromofluoromethane (S)	114	%	70-130		1		02/22/19 17:52	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		02/22/19 17:52	2037-26-5	

Sample: MW-13 **Lab ID: 40183379004** Collected: 02/19/19 00:00 Received: 02/21/19 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		02/22/19 12:37	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		02/22/19 12:37	71-55-6	
1,1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		02/22/19 12:37	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		02/22/19 12:37	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		02/22/19 12:37	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		02/22/19 12:37	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		02/22/19 12:37	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		02/22/19 12:37	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		02/22/19 12:37	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		02/22/19 12:37	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		02/22/19 12:37	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		02/22/19 12:37	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		02/22/19 12:37	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		02/22/19 12:37	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		02/22/19 12:37	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		02/22/19 12:37	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		02/22/19 12:37	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		02/22/19 12:37	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		02/22/19 12:37	142-28-9	

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ANALYTICAL RESULTS

Project: TD P3 1ST QTR GW

Pace Project No.: 40183379

Sample: MW-13 **Lab ID: 40183379004** Collected: 02/19/19 00:00 Received: 02/21/19 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		02/22/19 12:37	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		02/22/19 12:37	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		02/22/19 12:37	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		02/22/19 12:37	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		02/22/19 12:37	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		02/22/19 12:37	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		02/22/19 12:37	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		02/22/19 12:37	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		02/22/19 12:37	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		02/22/19 12:37	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		02/22/19 12:37	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		02/22/19 12:37	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		02/22/19 12:37	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		02/22/19 12:37	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		02/22/19 12:37	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		02/22/19 12:37	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		02/22/19 12:37	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		02/22/19 12:37	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		02/22/19 12:37	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		02/22/19 12:37	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		02/22/19 12:37	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		02/22/19 12:37	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		02/22/19 12:37	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		02/22/19 12:37	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		02/22/19 12:37	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		02/22/19 12:37	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		02/22/19 12:37	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		02/22/19 12:37	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		02/22/19 12:37	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		02/22/19 12:37	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		02/22/19 12:37	75-01-4	
cis-1,2-Dichloroethene	1.1	ug/L	1.0	0.27	1		02/22/19 12:37	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		02/22/19 12:37	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		02/22/19 12:37	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		02/22/19 12:37	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		02/22/19 12:37	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		02/22/19 12:37	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		02/22/19 12:37	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		02/22/19 12:37	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		02/22/19 12:37	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		02/22/19 12:37	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		02/22/19 12:37	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		02/22/19 12:37	460-00-4	
Dibromofluoromethane (S)	112	%	70-130		1		02/22/19 12:37	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		02/22/19 12:37	2037-26-5	

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ANALYTICAL RESULTS

Project: TD P3 1ST QTR GW

Pace Project No.: 40183379

Sample: MW-16 **Lab ID: 40183379005** Collected: 02/19/19 00:00 Received: 02/21/19 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		02/22/19 13:00	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		02/22/19 13:00	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		02/22/19 13:00	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		02/22/19 13:00	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		02/22/19 13:00	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		02/22/19 13:00	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		02/22/19 13:00	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		02/22/19 13:00	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		02/22/19 13:00	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		02/22/19 13:00	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		02/22/19 13:00	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		02/22/19 13:00	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		02/22/19 13:00	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		02/22/19 13:00	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		02/22/19 13:00	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		02/22/19 13:00	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		02/22/19 13:00	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		02/22/19 13:00	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		02/22/19 13:00	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		02/22/19 13:00	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		02/22/19 13:00	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		02/22/19 13:00	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		02/22/19 13:00	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		02/22/19 13:00	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		02/22/19 13:00	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		02/22/19 13:00	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		02/22/19 13:00	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		02/22/19 13:00	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		02/22/19 13:00	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		02/22/19 13:00	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		02/22/19 13:00	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		02/22/19 13:00	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		02/22/19 13:00	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		02/22/19 13:00	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		02/22/19 13:00	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		02/22/19 13:00	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		02/22/19 13:00	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		02/22/19 13:00	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		02/22/19 13:00	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		02/22/19 13:00	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		02/22/19 13:00	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		02/22/19 13:00	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		02/22/19 13:00	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		02/22/19 13:00	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		02/22/19 13:00	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		02/22/19 13:00	127-18-4	

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ANALYTICAL RESULTS

Project: TD P3 1ST QTR GW

Pace Project No.: 40183379

Sample: MW-16 **Lab ID: 40183379005** Collected: 02/19/19 00:00 Received: 02/21/19 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Toluene	<0.17	ug/L	5.0	0.17	1		02/22/19 13:00	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		02/22/19 13:00	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		02/22/19 13:00	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		02/22/19 13:00	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		02/22/19 13:00	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		02/22/19 13:00	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		02/22/19 13:00	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		02/22/19 13:00	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		02/22/19 13:00	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		02/22/19 13:00	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		02/22/19 13:00	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		02/22/19 13:00	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		02/22/19 13:00	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		02/22/19 13:00	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		02/22/19 13:00	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		02/22/19 13:00	460-00-4	
Dibromofluoromethane (S)	116	%	70-130		1		02/22/19 13:00	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		02/22/19 13:00	2037-26-5	

Sample: MW-19 **Lab ID: 40183379006** Collected: 02/19/19 00:00 Received: 02/21/19 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		02/22/19 13:22	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		02/22/19 13:22	71-55-6	
1,1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		02/22/19 13:22	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		02/22/19 13:22	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		02/22/19 13:22	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		02/22/19 13:22	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		02/22/19 13:22	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		02/22/19 13:22	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		02/22/19 13:22	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		02/22/19 13:22	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		02/22/19 13:22	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		02/22/19 13:22	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		02/22/19 13:22	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		02/22/19 13:22	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		02/22/19 13:22	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		02/22/19 13:22	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		02/22/19 13:22	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		02/22/19 13:22	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		02/22/19 13:22	142-28-9	

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ANALYTICAL RESULTS

Project: TD P3 1ST QTR GW

Pace Project No.: 40183379

Sample: MW-19 **Lab ID: 40183379006** Collected: 02/19/19 00:00 Received: 02/21/19 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		02/22/19 13:22	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		02/22/19 13:22	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		02/22/19 13:22	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		02/22/19 13:22	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		02/22/19 13:22	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		02/22/19 13:22	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		02/22/19 13:22	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		02/22/19 13:22	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		02/22/19 13:22	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		02/22/19 13:22	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		02/22/19 13:22	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		02/22/19 13:22	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		02/22/19 13:22	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		02/22/19 13:22	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		02/22/19 13:22	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		02/22/19 13:22	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		02/22/19 13:22	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		02/22/19 13:22	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		02/22/19 13:22	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		02/22/19 13:22	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		02/22/19 13:22	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		02/22/19 13:22	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		02/22/19 13:22	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		02/22/19 13:22	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		02/22/19 13:22	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		02/22/19 13:22	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		02/22/19 13:22	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		02/22/19 13:22	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		02/22/19 13:22	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		02/22/19 13:22	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		02/22/19 13:22	75-01-4	
cis-1,2-Dichloroethene	0.60J	ug/L	1.0	0.27	1		02/22/19 13:22	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		02/22/19 13:22	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		02/22/19 13:22	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		02/22/19 13:22	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		02/22/19 13:22	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		02/22/19 13:22	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		02/22/19 13:22	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		02/22/19 13:22	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		02/22/19 13:22	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		02/22/19 13:22	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		02/22/19 13:22	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		02/22/19 13:22	460-00-4	
Dibromofluoromethane (S)	111	%	70-130		1		02/22/19 13:22	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		02/22/19 13:22	2037-26-5	

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ANALYTICAL RESULTS

Project: TD P3 1ST QTR GW

Pace Project No.: 40183379

Sample: TRIP BLANK **Lab ID: 40183379007** Collected: 02/19/19 00:00 Received: 02/21/19 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		02/22/19 11:30	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		02/22/19 11:30	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		02/22/19 11:30	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		02/22/19 11:30	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		02/22/19 11:30	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		02/22/19 11:30	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		02/22/19 11:30	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		02/22/19 11:30	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		02/22/19 11:30	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		02/22/19 11:30	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		02/22/19 11:30	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		02/22/19 11:30	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		02/22/19 11:30	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		02/22/19 11:30	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		02/22/19 11:30	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		02/22/19 11:30	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		02/22/19 11:30	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		02/22/19 11:30	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		02/22/19 11:30	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		02/22/19 11:30	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		02/22/19 11:30	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		02/22/19 11:30	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		02/22/19 11:30	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		02/22/19 11:30	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		02/22/19 11:30	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		02/22/19 11:30	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		02/22/19 11:30	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		02/22/19 11:30	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		02/22/19 11:30	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		02/22/19 11:30	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		02/22/19 11:30	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		02/22/19 11:30	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		02/22/19 11:30	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		02/22/19 11:30	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		02/22/19 11:30	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		02/22/19 11:30	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		02/22/19 11:30	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		02/22/19 11:30	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		02/22/19 11:30	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		02/22/19 11:30	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		02/22/19 11:30	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		02/22/19 11:30	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		02/22/19 11:30	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		02/22/19 11:30	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		02/22/19 11:30	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		02/22/19 11:30	127-18-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TD P3 1ST QTR GW

Pace Project No.: 40183379

Sample: TRIP BLANK **Lab ID: 40183379007** Collected: 02/19/19 00:00 Received: 02/21/19 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Toluene	0.28J	ug/L	5.0	0.17	1		02/22/19 11:30	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		02/22/19 11:30	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		02/22/19 11:30	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		02/22/19 11:30	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		02/22/19 11:30	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		02/22/19 11:30	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		02/22/19 11:30	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		02/22/19 11:30	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		02/22/19 11:30	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		02/22/19 11:30	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		02/22/19 11:30	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		02/22/19 11:30	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		02/22/19 11:30	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		02/22/19 11:30	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		02/22/19 11:30	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		02/22/19 11:30	460-00-4	
Dibromofluoromethane (S)	112	%	70-130		1		02/22/19 11:30	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		02/22/19 11:30	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TD P3 1ST QTR GW
Pace Project No.: 40183379

QC Batch: 314101 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40183379001, 40183379002, 40183379003, 40183379004, 40183379005, 40183379006, 40183379007

METHOD BLANK: 1829064 Matrix: Water
Associated Lab Samples: 40183379001, 40183379002, 40183379003, 40183379004, 40183379005, 40183379006, 40183379007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	02/22/19 09:38	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	02/22/19 09:38	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	02/22/19 09:38	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	02/22/19 09:38	
1,1-Dichloroethane	ug/L	<0.27	1.0	02/22/19 09:38	
1,1-Dichloroethene	ug/L	<0.24	1.0	02/22/19 09:38	
1,1-Dichloropropene	ug/L	<0.54	1.8	02/22/19 09:38	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	02/22/19 09:38	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	02/22/19 09:38	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	02/22/19 09:38	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	02/22/19 09:38	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	02/22/19 09:38	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	02/22/19 09:38	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	02/22/19 09:38	
1,2-Dichloroethane	ug/L	<0.28	1.0	02/22/19 09:38	
1,2-Dichloropropane	ug/L	<0.28	1.0	02/22/19 09:38	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	02/22/19 09:38	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	02/22/19 09:38	
1,3-Dichloropropane	ug/L	<0.83	2.8	02/22/19 09:38	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	02/22/19 09:38	
2,2-Dichloropropane	ug/L	<2.3	7.6	02/22/19 09:38	
2-Chlorotoluene	ug/L	<0.93	5.0	02/22/19 09:38	
4-Chlorotoluene	ug/L	<0.76	2.5	02/22/19 09:38	
Benzene	ug/L	<0.25	1.0	02/22/19 09:38	
Bromobenzene	ug/L	<0.24	1.0	02/22/19 09:38	
Bromochloromethane	ug/L	<0.36	5.0	02/22/19 09:38	
Bromodichloromethane	ug/L	<0.36	1.2	02/22/19 09:38	
Bromoform	ug/L	<4.0	13.2	02/22/19 09:38	
Bromomethane	ug/L	<0.97	5.0	02/22/19 09:38	
Carbon tetrachloride	ug/L	<0.17	1.0	02/22/19 09:38	
Chlorobenzene	ug/L	<0.71	2.4	02/22/19 09:38	
Chloroethane	ug/L	<1.3	5.0	02/22/19 09:38	
Chloroform	ug/L	<1.3	5.0	02/22/19 09:38	
Chloromethane	ug/L	<2.2	7.3	02/22/19 09:38	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	02/22/19 09:38	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	02/22/19 09:38	
Dibromochloromethane	ug/L	<2.6	8.7	02/22/19 09:38	
Dibromomethane	ug/L	<0.94	3.1	02/22/19 09:38	
Dichlorodifluoromethane	ug/L	<0.50	5.0	02/22/19 09:38	
Diisopropyl ether	ug/L	<1.9	6.3	02/22/19 09:38	
Ethylbenzene	ug/L	<0.22	1.0	02/22/19 09:38	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TD P3 1ST QTR GW

Pace Project No.: 40183379

METHOD BLANK: 1829064

Matrix: Water

Associated Lab Samples: 40183379001, 40183379002, 40183379003, 40183379004, 40183379005, 40183379006, 40183379007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<1.2	5.0	02/22/19 09:38	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	02/22/19 09:38	
m&p-Xylene	ug/L	<0.47	2.0	02/22/19 09:38	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	02/22/19 09:38	
Methylene Chloride	ug/L	<0.58	5.0	02/22/19 09:38	
n-Butylbenzene	ug/L	<0.71	2.4	02/22/19 09:38	
n-Propylbenzene	ug/L	<0.81	5.0	02/22/19 09:38	
Naphthalene	ug/L	<1.2	5.0	02/22/19 09:38	
o-Xylene	ug/L	<0.26	1.0	02/22/19 09:38	
p-Isopropyltoluene	ug/L	<0.80	2.7	02/22/19 09:38	
sec-Butylbenzene	ug/L	<0.85	5.0	02/22/19 09:38	
Styrene	ug/L	<0.47	1.6	02/22/19 09:38	
tert-Butylbenzene	ug/L	<0.30	1.0	02/22/19 09:38	
Tetrachloroethene	ug/L	<0.33	1.1	02/22/19 09:38	
Toluene	ug/L	<0.17	5.0	02/22/19 09:38	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	02/22/19 09:38	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	02/22/19 09:38	
Trichloroethene	ug/L	<0.26	1.0	02/22/19 09:38	
Trichlorofluoromethane	ug/L	<0.21	1.0	02/22/19 09:38	
Vinyl chloride	ug/L	<0.17	1.0	02/22/19 09:38	
4-Bromofluorobenzene (S)	%	95	70-130	02/22/19 09:38	
Dibromofluoromethane (S)	%	110	70-130	02/22/19 09:38	
Toluene-d8 (S)	%	98	70-130	02/22/19 09:38	

LABORATORY CONTROL SAMPLE: 1829065

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	53.2	106	70-133	
1,1,1,2-Tetrachloroethane	ug/L	50	58.3	117	67-130	
1,1,2-Trichloroethane	ug/L	50	55.9	112	70-130	
1,1-Dichloroethane	ug/L	50	57.6	115	70-134	
1,1-Dichloroethene	ug/L	50	51.6	103	75-132	
1,2,4-Trichlorobenzene	ug/L	50	48.8	98	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	47.2	94	60-126	
1,2-Dibromoethane (EDB)	ug/L	50	50.4	101	70-130	
1,2-Dichlorobenzene	ug/L	50	54.3	109	70-130	
1,2-Dichloroethane	ug/L	50	62.6	125	73-134	
1,2-Dichloropropane	ug/L	50	58.9	118	79-128	
1,3-Dichlorobenzene	ug/L	50	53.0	106	70-130	
1,4-Dichlorobenzene	ug/L	50	54.1	108	70-130	
Benzene	ug/L	50	57.3	115	69-137	
Bromodichloromethane	ug/L	50	58.3	117	70-130	
Bromoform	ug/L	50	48.9	98	64-133	
Bromomethane	ug/L	50	51.3	103	29-123	

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QUALITY CONTROL DATA

Project: TD P3 1ST QTR GW
Pace Project No.: 40183379

LABORATORY CONTROL SAMPLE: 1829065

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	55.7	111	73-142	
Chlorobenzene	ug/L	50	54.7	109	70-130	
Chloroethane	ug/L	50	50.5	101	59-133	
Chloroform	ug/L	50	59.0	118	80-129	
Chloromethane	ug/L	50	38.8	78	27-125	
cis-1,2-Dichloroethene	ug/L	50	54.0	108	70-134	
cis-1,3-Dichloropropene	ug/L	50	52.1	104	70-130	
Dibromochloromethane	ug/L	50	53.5	107	70-130	
Dichlorodifluoromethane	ug/L	50	29.9	60	12-127	
Ethylbenzene	ug/L	50	57.2	114	86-127	
Isopropylbenzene (Cumene)	ug/L	50	56.6	113	70-130	
m&p-Xylene	ug/L	100	111	111	70-131	
Methyl-tert-butyl ether	ug/L	50	44.4	89	65-136	
Methylene Chloride	ug/L	50	57.0	114	72-133	
o-Xylene	ug/L	50	52.6	105	70-130	
Styrene	ug/L	50	55.8	112	70-130	
Tetrachloroethene	ug/L	50	52.4	105	70-130	
Toluene	ug/L	50	56.1	112	84-124	
trans-1,2-Dichloroethene	ug/L	50	52.5	105	70-133	
trans-1,3-Dichloropropene	ug/L	50	50.8	102	67-130	
Trichloroethene	ug/L	50	53.2	106	70-130	
Trichlorofluoromethane	ug/L	50	56.1	112	69-147	
Vinyl chloride	ug/L	50	44.5	89	48-134	
4-Bromofluorobenzene (S)	%			95	70-130	
Dibromofluoromethane (S)	%			104	70-130	
Toluene-d8 (S)	%			102	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1829070 1829071

Parameter	Units	40183379001		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	<0.24	50	50	60.3	54.6	121	109	70-136	10	20			
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	60.4	57.8	121	116	67-133	4	20			
1,1,2-Trichloroethane	ug/L	<0.55	50	50	59.8	57.3	120	115	70-130	4	20			
1,1-Dichloroethane	ug/L	<0.27	50	50	63.3	59.4	127	119	70-139	6	20			
1,1-Dichloroethene	ug/L	<0.24	50	50	58.0	54.3	116	109	72-137	7	20			
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	53.1	51.9	106	104	68-130	2	20			
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	54.8	52.7	110	105	60-130	4	21			
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	52.5	50.7	105	101	70-130	3	20			
1,2-Dichlorobenzene	ug/L	<0.71	50	50	57.3	54.0	115	108	70-130	6	20			
1,2-Dichloroethane	ug/L	<0.28	50	50	69.5	62.6	139	125	71-137	10	20	M1		
1,2-Dichloropropane	ug/L	<0.28	50	50	60.1	57.7	120	115	78-130	4	20			
1,3-Dichlorobenzene	ug/L	<0.63	50	50	55.0	54.3	110	109	70-130	1	20			
1,4-Dichlorobenzene	ug/L	<0.94	50	50	57.4	56.1	115	112	70-130	2	20			

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QUALITY CONTROL DATA

Project: TD P3 1ST QTR GW

Pace Project No.: 40183379

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1829070		1829071		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		40183379001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Benzene	ug/L	<0.25	50	50	62.2	58.3	124	117	66-143	6	20		
Bromodichloromethane	ug/L	<0.36	50	50	61.2	58.9	122	118	70-130	4	20		
Bromoform	ug/L	<4.0	50	50	49.8	45.1	100	90	64-134	10	20		
Bromomethane	ug/L	<0.97	50	50	60.0	54.1	120	108	29-136	10	25		
Carbon tetrachloride	ug/L	<0.17	50	50	61.7	57.2	123	114	73-142	8	20		
Chlorobenzene	ug/L	<0.71	50	50	56.2	54.5	112	109	70-130	3	20		
Chloroethane	ug/L	<1.3	50	50	59.0	56.6	118	113	58-138	4	20		
Chloroform	ug/L	<1.3	50	50	63.8	60.6	128	121	80-131	5	20		
Chloromethane	ug/L	<2.2	50	50	41.3	37.2	83	74	24-125	11	20		
cis-1,2-Dichloroethene	ug/L	1.1	50	50	58.8	55.2	116	108	68-137	6	22		
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	52.8	52.0	106	104	70-130	2	20		
Dibromochloromethane	ug/L	<2.6	50	50	53.0	52.6	106	105	70-131	1	20		
Dichlorodifluoromethane	ug/L	<0.50	50	50	33.8	32.3	68	65	10-127	5	20		
Ethylbenzene	ug/L	<0.22	50	50	59.1	58.3	118	117	81-136	1	20		
Isopropylbenzene (Cumene)	ug/L	<0.39	50	50	57.4	56.3	115	113	70-132	2	20		
m&p-Xylene	ug/L	<0.47	100	100	111	108	111	108	70-135	3	20		
Methyl-tert-butyl ether	ug/L	<1.2	50	50	47.8	41.9	96	84	58-142	13	23		
Methylene Chloride	ug/L	<0.58	50	50	61.0	55.4	122	111	69-137	10	20		
o-Xylene	ug/L	<0.26	50	50	53.5	53.0	107	106	70-132	1	20		
Styrene	ug/L	<0.47	50	50	57.0	54.1	114	108	70-130	5	20		
Tetrachloroethene	ug/L	<0.33	50	50	51.8	49.7	104	99	70-132	4	20		
Toluene	ug/L	<0.17	50	50	59.3	57.0	119	114	81-130	4	20		
trans-1,2-Dichloroethene	ug/L	<1.1	50	50	58.1	54.6	116	109	70-136	6	20		
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	51.7	50.8	103	102	67-130	2	20		
Trichloroethene	ug/L	<0.26	50	50	56.7	55.6	113	111	70-131	2	20		
Trichlorofluoromethane	ug/L	<0.21	50	50	63.7	57.5	127	115	66-150	10	20		
Vinyl chloride	ug/L	<0.17	50	50	49.3	45.1	99	90	46-134	9	20		
4-Bromofluorobenzene (S)	%						95	99	70-130				
Dibromofluoromethane (S)	%						109	106	70-130				
Toluene-d8 (S)	%						101	104	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.: 40183379

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

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

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 1ST QTR GW

Pace Project No.: 40183379

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40183379001	MW-402 N	EPA 8260	314101		
40183379002	MW-11	EPA 8260	314101		
40183379003	MW-12	EPA 8260	314101		
40183379004	MW-13	EPA 8260	314101		
40183379005	MW-16	EPA 8260	314101		
40183379006	MW-19	EPA 8260	314101		
40183379007	TRIP BLANK	EPA 8260	314101		

REPORT OF LABORATORY ANALYSIS

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1241 Bellevue Street, Green Bay, WI 54302

Document Name:
Sample Condition Upon Receipt (SCUR)

Document Revised: 25Apr2018

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

Issuing Authority:
Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Client Name: Env. Audits

Project # **WO# : 40183379**

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: 2-21-19
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 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>all ID's have TDP3 before</u>
-Includes date/time/ID/Analysis Matrix: <u>W</u>		<u>No times. 001- No N in ID 2-21-19</u>
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13. <u>In shipment Lab added to COC</u>
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<u>2-21-19</u>
Pace Trip Blank Lot # (if purchased): <u>416</u>		<u>SW</u>

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

Project Manager Review: [Signature]

Date: 2-21-19

November 27, 2018

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

RE: Project: TD BROACH-QTR4
Pace Project No.: 40180038

Dear John Ruetz:

Enclosed are the analytical results for sample(s) received by the laboratory on November 21, 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 BROACH-QTR4

Pace Project No.: 40180038

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: TD BROACH-QTR4

Pace Project No.: 40180038

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40180038001	MW-1	Water	11/20/18 15:00	11/21/18 14:05
40180038002	MW-2	Water	11/20/18 15:00	11/21/18 14:05
40180038003	MW-6	Water	11/20/18 15:00	11/21/18 14:05
40180038004	MW-7	Water	11/20/18 15:00	11/21/18 14:05
40180038005	MW-9	Water	11/20/18 15:00	11/21/18 14:05
40180038006	MW-10	Water	11/20/18 15:00	11/21/18 14:05
40180038007	MW-14	Water	11/20/18 15:00	11/21/18 14:05
40180038008	MW-17	Water	11/20/18 15:00	11/21/18 14:05
40180038009	MW-22	Water	11/20/18 15:00	11/21/18 14:05
40180038010	MW-23	Water	11/20/18 15:00	11/21/18 14:05
40180038011	MW-24	Water	11/20/18 15:00	11/21/18 14:05
40180038012	MW-25	Water	11/20/18 15:00	11/21/18 14:05
40180038013	TRIP BLANK	Water	11/20/18 00:00	11/21/18 14:05

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: TD BROACH-QTR4

Pace Project No.: 40180038

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40180038001	MW-1	EPA 8260	HNW	64
40180038002	MW-2	EPA 8260	HNW	64
40180038003	MW-6	EPA 8260	HNW	64
40180038004	MW-7	EPA 8260	HNW	64
40180038005	MW-9	EPA 8260	HNW	64
40180038006	MW-10	EPA 8260	HNW	64
40180038007	MW-14	EPA 8260	HNW	64
40180038008	MW-17	EPA 8260	HNW	64
40180038009	MW-22	EPA 8260	HNW	64
40180038010	MW-23	EPA 8260	HNW	64
40180038011	MW-24	EPA 8260	HNW	64
40180038012	MW-25	EPA 8260	HNW	64
40180038013	TRIP BLANK	EPA 8260	HNW	64

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TD BROACH-QTR4

Pace Project No.: 40180038

Sample: MW-1 **Lab ID: 40180038001** Collected: 11/20/18 15:00 Received: 11/21/18 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<2.7	ug/L	10.0	2.7	10		11/26/18 12:49	630-20-6	
1,1,1-Trichloroethane	<2.4	ug/L	10.0	2.4	10		11/26/18 12:49	71-55-6	
1,1,2,2-Tetrachloroethane	<2.8	ug/L	10.0	2.8	10		11/26/18 12:49	79-34-5	
1,1,2-Trichloroethane	<5.5	ug/L	50.0	5.5	10		11/26/18 12:49	79-00-5	
1,1-Dichloroethane	43.6	ug/L	10.0	2.7	10		11/26/18 12:49	75-34-3	
1,1-Dichloroethene	<2.4	ug/L	10.0	2.4	10		11/26/18 12:49	75-35-4	
1,1-Dichloropropene	<5.4	ug/L	18.0	5.4	10		11/26/18 12:49	563-58-6	
1,2,3-Trichlorobenzene	<6.3	ug/L	50.0	6.3	10		11/26/18 12:49	87-61-6	
1,2,3-Trichloropropane	<5.9	ug/L	50.0	5.9	10		11/26/18 12:49	96-18-4	
1,2,4-Trichlorobenzene	<9.5	ug/L	50.0	9.5	10		11/26/18 12:49	120-82-1	
1,2,4-Trimethylbenzene	<8.4	ug/L	28.0	8.4	10		11/26/18 12:49	95-63-6	
1,2-Dibromo-3-chloropropane	<17.6	ug/L	58.8	17.6	10		11/26/18 12:49	96-12-8	
1,2-Dibromoethane (EDB)	<8.3	ug/L	27.6	8.3	10		11/26/18 12:49	106-93-4	
1,2-Dichlorobenzene	<7.1	ug/L	23.5	7.1	10		11/26/18 12:49	95-50-1	
1,2-Dichloroethane	<2.8	ug/L	10.0	2.8	10		11/26/18 12:49	107-06-2	
1,2-Dichloropropane	<2.8	ug/L	10.0	2.8	10		11/26/18 12:49	78-87-5	
1,3,5-Trimethylbenzene	<8.7	ug/L	29.1	8.7	10		11/26/18 12:49	108-67-8	
1,3-Dichlorobenzene	<6.3	ug/L	20.9	6.3	10		11/26/18 12:49	541-73-1	
1,3-Dichloropropane	<8.3	ug/L	27.5	8.3	10		11/26/18 12:49	142-28-9	
1,4-Dichlorobenzene	<9.4	ug/L	31.5	9.4	10		11/26/18 12:49	106-46-7	
2,2-Dichloropropane	<22.7	ug/L	75.5	22.7	10		11/26/18 12:49	594-20-7	
2-Chlorotoluene	<9.3	ug/L	50.0	9.3	10		11/26/18 12:49	95-49-8	
4-Chlorotoluene	<7.6	ug/L	25.2	7.6	10		11/26/18 12:49	106-43-4	
Benzene	<2.5	ug/L	10.0	2.5	10		11/26/18 12:49	71-43-2	
Bromobenzene	<2.4	ug/L	10.0	2.4	10		11/26/18 12:49	108-86-1	
Bromochloromethane	<3.6	ug/L	50.0	3.6	10		11/26/18 12:49	74-97-5	
Bromodichloromethane	<3.6	ug/L	12.1	3.6	10		11/26/18 12:49	75-27-4	
Bromoform	<39.7	ug/L	132	39.7	10		11/26/18 12:49	75-25-2	
Bromomethane	<9.7	ug/L	50.0	9.7	10		11/26/18 12:49	74-83-9	
Carbon tetrachloride	<1.7	ug/L	10.0	1.7	10		11/26/18 12:49	56-23-5	
Chlorobenzene	<7.1	ug/L	23.7	7.1	10		11/26/18 12:49	108-90-7	
Chloroethane	<13.4	ug/L	50.0	13.4	10		11/26/18 12:49	75-00-3	
Chloroform	<12.7	ug/L	50.0	12.7	10		11/26/18 12:49	67-66-3	
Chloromethane	<21.9	ug/L	73.0	21.9	10		11/26/18 12:49	74-87-3	
Dibromochloromethane	<26.0	ug/L	86.7	26.0	10		11/26/18 12:49	124-48-1	
Dibromomethane	<9.4	ug/L	31.2	9.4	10		11/26/18 12:49	74-95-3	
Dichlorodifluoromethane	<5.0	ug/L	50.0	5.0	10		11/26/18 12:49	75-71-8	
Diisopropyl ether	<18.9	ug/L	62.9	18.9	10		11/26/18 12:49	108-20-3	
Ethylbenzene	<2.2	ug/L	10.0	2.2	10		11/26/18 12:49	100-41-4	
Hexachloro-1,3-butadiene	<11.8	ug/L	50.0	11.8	10		11/26/18 12:49	87-68-3	
Isopropylbenzene (Cumene)	<3.9	ug/L	50.0	3.9	10		11/26/18 12:49	98-82-8	
Methyl-tert-butyl ether	<12.5	ug/L	41.5	12.5	10		11/26/18 12:49	1634-04-4	
Methylene Chloride	<5.8	ug/L	50.0	5.8	10		11/26/18 12:49	75-09-2	
Naphthalene	<11.8	ug/L	50.0	11.8	10		11/26/18 12:49	91-20-3	
Styrene	<4.7	ug/L	15.5	4.7	10		11/26/18 12:49	100-42-5	
Tetrachloroethene	<3.3	ug/L	10.9	3.3	10		11/26/18 12:49	127-18-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TD BROACH-QTR4

Pace Project No.: 40180038

Sample: MW-1 **Lab ID: 40180038001** Collected: 11/20/18 15:00 Received: 11/21/18 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Toluene	<1.7	ug/L	50.0	1.7	10		11/26/18 12:49	108-88-3	
Trichloroethene	<2.6	ug/L	10.0	2.6	10		11/26/18 12:49	79-01-6	
Trichlorofluoromethane	<2.1	ug/L	10.0	2.1	10		11/26/18 12:49	75-69-4	
Vinyl chloride	5.3J	ug/L	10.0	1.7	10		11/26/18 12:49	75-01-4	
cis-1,2-Dichloroethene	<2.7	ug/L	10.0	2.7	10		11/26/18 12:49	156-59-2	
cis-1,3-Dichloropropene	<36.3	ug/L	121	36.3	10		11/26/18 12:49	10061-01-5	
m&p-Xylene	<4.7	ug/L	20.0	4.7	10		11/26/18 12:49	179601-23-1	
n-Butylbenzene	<7.1	ug/L	23.6	7.1	10		11/26/18 12:49	104-51-8	
n-Propylbenzene	<8.1	ug/L	50.0	8.1	10		11/26/18 12:49	103-65-1	
o-Xylene	<2.6	ug/L	10.0	2.6	10		11/26/18 12:49	95-47-6	
p-Isopropyltoluene	<8.0	ug/L	26.7	8.0	10		11/26/18 12:49	99-87-6	
sec-Butylbenzene	<8.5	ug/L	50.0	8.5	10		11/26/18 12:49	135-98-8	
tert-Butylbenzene	<3.0	ug/L	10.1	3.0	10		11/26/18 12:49	98-06-6	
trans-1,2-Dichloroethene	<10.9	ug/L	36.4	10.9	10		11/26/18 12:49	156-60-5	
trans-1,3-Dichloropropene	<43.7	ug/L	146	43.7	10		11/26/18 12:49	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		10		11/26/18 12:49	460-00-4	D3
Dibromofluoromethane (S)	95	%	70-130		10		11/26/18 12:49	1868-53-7	
Toluene-d8 (S)	102	%	70-130		10		11/26/18 12:49	2037-26-5	

Sample: MW-2 **Lab ID: 40180038002** Collected: 11/20/18 15:00 Received: 11/21/18 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<1.3	ug/L	5.0	1.3	5		11/27/18 09:05	630-20-6	
1,1,1-Trichloroethane	<1.2	ug/L	5.0	1.2	5		11/27/18 09:05	71-55-6	
1,1,1,2,2-Tetrachloroethane	<1.4	ug/L	5.0	1.4	5		11/27/18 09:05	79-34-5	
1,1,2-Trichloroethane	<2.8	ug/L	25.0	2.8	5		11/27/18 09:05	79-00-5	
1,1-Dichloroethane	16.8	ug/L	5.0	1.4	5		11/27/18 09:05	75-34-3	
1,1-Dichloroethene	<1.2	ug/L	5.0	1.2	5		11/27/18 09:05	75-35-4	
1,1-Dichloropropene	<2.7	ug/L	9.0	2.7	5		11/27/18 09:05	563-58-6	
1,2,3-Trichlorobenzene	<3.1	ug/L	25.0	3.1	5		11/27/18 09:05	87-61-6	
1,2,3-Trichloropropane	<3.0	ug/L	25.0	3.0	5		11/27/18 09:05	96-18-4	
1,2,4-Trichlorobenzene	<4.8	ug/L	25.0	4.8	5		11/27/18 09:05	120-82-1	
1,2,4-Trimethylbenzene	<4.2	ug/L	14.0	4.2	5		11/27/18 09:05	95-63-6	
1,2-Dibromo-3-chloropropane	<8.8	ug/L	29.4	8.8	5		11/27/18 09:05	96-12-8	
1,2-Dibromoethane (EDB)	<4.1	ug/L	13.8	4.1	5		11/27/18 09:05	106-93-4	
1,2-Dichlorobenzene	<3.5	ug/L	11.8	3.5	5		11/27/18 09:05	95-50-1	
1,2-Dichloroethane	<1.4	ug/L	5.0	1.4	5		11/27/18 09:05	107-06-2	
1,2-Dichloropropane	<1.4	ug/L	5.0	1.4	5		11/27/18 09:05	78-87-5	
1,3,5-Trimethylbenzene	<4.4	ug/L	14.6	4.4	5		11/27/18 09:05	108-67-8	
1,3-Dichlorobenzene	<3.1	ug/L	10.5	3.1	5		11/27/18 09:05	541-73-1	
1,3-Dichloropropane	<4.1	ug/L	13.8	4.1	5		11/27/18 09:05	142-28-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TD BROACH-QTR4

Pace Project No.: 40180038

Sample: MW-2 **Lab ID: 40180038002** Collected: 11/20/18 15:00 Received: 11/21/18 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,4-Dichlorobenzene	<4.7	ug/L	15.7	4.7	5		11/27/18 09:05	106-46-7	
2,2-Dichloropropane	<11.3	ug/L	37.8	11.3	5		11/27/18 09:05	594-20-7	
2-Chlorotoluene	<4.6	ug/L	25.0	4.6	5		11/27/18 09:05	95-49-8	
4-Chlorotoluene	<3.8	ug/L	12.6	3.8	5		11/27/18 09:05	106-43-4	
Benzene	<1.2	ug/L	5.0	1.2	5		11/27/18 09:05	71-43-2	
Bromobenzene	<1.2	ug/L	5.0	1.2	5		11/27/18 09:05	108-86-1	
Bromochloromethane	<1.8	ug/L	25.0	1.8	5		11/27/18 09:05	74-97-5	
Bromodichloromethane	<1.8	ug/L	6.1	1.8	5		11/27/18 09:05	75-27-4	
Bromoform	<19.9	ug/L	66.2	19.9	5		11/27/18 09:05	75-25-2	
Bromomethane	<4.9	ug/L	25.0	4.9	5		11/27/18 09:05	74-83-9	
Carbon tetrachloride	<0.83	ug/L	5.0	0.83	5		11/27/18 09:05	56-23-5	
Chlorobenzene	<3.6	ug/L	11.8	3.6	5		11/27/18 09:05	108-90-7	
Chloroethane	<6.7	ug/L	25.0	6.7	5		11/27/18 09:05	75-00-3	
Chloroform	<6.4	ug/L	25.0	6.4	5		11/27/18 09:05	67-66-3	
Chloromethane	<10.9	ug/L	36.5	10.9	5		11/27/18 09:05	74-87-3	
Dibromochloromethane	<13.0	ug/L	43.4	13.0	5		11/27/18 09:05	124-48-1	
Dibromomethane	<4.7	ug/L	15.6	4.7	5		11/27/18 09:05	74-95-3	
Dichlorodifluoromethane	<2.5	ug/L	25.0	2.5	5		11/27/18 09:05	75-71-8	
Diisopropyl ether	<9.4	ug/L	31.5	9.4	5		11/27/18 09:05	108-20-3	
Ethylbenzene	<1.1	ug/L	5.0	1.1	5		11/27/18 09:05	100-41-4	
Hexachloro-1,3-butadiene	<5.9	ug/L	25.0	5.9	5		11/27/18 09:05	87-68-3	
Isopropylbenzene (Cumene)	<2.0	ug/L	25.0	2.0	5		11/27/18 09:05	98-82-8	
Methyl-tert-butyl ether	<6.2	ug/L	20.8	6.2	5		11/27/18 09:05	1634-04-4	
Methylene Chloride	<2.9	ug/L	25.0	2.9	5		11/27/18 09:05	75-09-2	
Naphthalene	<5.9	ug/L	25.0	5.9	5		11/27/18 09:05	91-20-3	
Styrene	<2.3	ug/L	7.8	2.3	5		11/27/18 09:05	100-42-5	
Tetrachloroethene	<1.6	ug/L	5.4	1.6	5		11/27/18 09:05	127-18-4	
Toluene	<0.86	ug/L	25.0	0.86	5		11/27/18 09:05	108-88-3	
Trichloroethene	<1.3	ug/L	5.0	1.3	5		11/27/18 09:05	79-01-6	
Trichlorofluoromethane	<1.1	ug/L	5.0	1.1	5		11/27/18 09:05	75-69-4	
Vinyl chloride	<0.87	ug/L	5.0	0.87	5		11/27/18 09:05	75-01-4	
cis-1,2-Dichloroethene	<1.4	ug/L	5.0	1.4	5		11/27/18 09:05	156-59-2	
cis-1,3-Dichloropropene	<18.1	ug/L	60.5	18.1	5		11/27/18 09:05	10061-01-5	
m&p-Xylene	<2.3	ug/L	10.0	2.3	5		11/27/18 09:05	179601-23-1	
n-Butylbenzene	<3.5	ug/L	11.8	3.5	5		11/27/18 09:05	104-51-8	
n-Propylbenzene	<4.1	ug/L	25.0	4.1	5		11/27/18 09:05	103-65-1	
o-Xylene	<1.3	ug/L	5.0	1.3	5		11/27/18 09:05	95-47-6	
p-Isopropyltoluene	<4.0	ug/L	13.3	4.0	5		11/27/18 09:05	99-87-6	
sec-Butylbenzene	<4.2	ug/L	25.0	4.2	5		11/27/18 09:05	135-98-8	
tert-Butylbenzene	<1.5	ug/L	5.1	1.5	5		11/27/18 09:05	98-06-6	
trans-1,2-Dichloroethene	<5.5	ug/L	18.2	5.5	5		11/27/18 09:05	156-60-5	
trans-1,3-Dichloropropene	<21.9	ug/L	72.8	21.9	5		11/27/18 09:05	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		5		11/27/18 09:05	460-00-4	D3
Dibromofluoromethane (S)	97	%	70-130		5		11/27/18 09:05	1868-53-7	
Toluene-d8 (S)	103	%	70-130		5		11/27/18 09:05	2037-26-5	

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ANALYTICAL RESULTS

Project: TD BROACH-QTR4

Pace Project No.: 40180038

Sample: MW-6 **Lab ID: 40180038003** Collected: 11/20/18 15:00 Received: 11/21/18 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.54	ug/L	2.0	0.54	2		11/27/18 08:43	630-20-6	
1,1,1-Trichloroethane	1.6J	ug/L	2.0	0.49	2		11/27/18 08:43	71-55-6	
1,1,2,2-Tetrachloroethane	<0.55	ug/L	2.0	0.55	2		11/27/18 08:43	79-34-5	
1,1,2-Trichloroethane	<1.1	ug/L	10.0	1.1	2		11/27/18 08:43	79-00-5	
1,1-Dichloroethane	73.2	ug/L	2.0	0.55	2		11/27/18 08:43	75-34-3	
1,1-Dichloroethene	<0.49	ug/L	2.0	0.49	2		11/27/18 08:43	75-35-4	
1,1-Dichloropropene	<1.1	ug/L	3.6	1.1	2		11/27/18 08:43	563-58-6	
1,2,3-Trichlorobenzene	<1.3	ug/L	10.0	1.3	2		11/27/18 08:43	87-61-6	
1,2,3-Trichloropropane	<1.2	ug/L	10.0	1.2	2		11/27/18 08:43	96-18-4	
1,2,4-Trichlorobenzene	<1.9	ug/L	10.0	1.9	2		11/27/18 08:43	120-82-1	
1,2,4-Trimethylbenzene	<1.7	ug/L	5.6	1.7	2		11/27/18 08:43	95-63-6	
1,2-Dibromo-3-chloropropane	<3.5	ug/L	11.8	3.5	2		11/27/18 08:43	96-12-8	
1,2-Dibromoethane (EDB)	<1.7	ug/L	5.5	1.7	2		11/27/18 08:43	106-93-4	
1,2-Dichlorobenzene	<1.4	ug/L	4.7	1.4	2		11/27/18 08:43	95-50-1	
1,2-Dichloroethane	<0.56	ug/L	2.0	0.56	2		11/27/18 08:43	107-06-2	
1,2-Dichloropropane	<0.57	ug/L	2.0	0.57	2		11/27/18 08:43	78-87-5	
1,3,5-Trimethylbenzene	<1.7	ug/L	5.8	1.7	2		11/27/18 08:43	108-67-8	
1,3-Dichlorobenzene	<1.3	ug/L	4.2	1.3	2		11/27/18 08:43	541-73-1	
1,3-Dichloropropane	<1.7	ug/L	5.5	1.7	2		11/27/18 08:43	142-28-9	
1,4-Dichlorobenzene	<1.9	ug/L	6.3	1.9	2		11/27/18 08:43	106-46-7	
2,2-Dichloropropane	<4.5	ug/L	15.1	4.5	2		11/27/18 08:43	594-20-7	
2-Chlorotoluene	<1.9	ug/L	10.0	1.9	2		11/27/18 08:43	95-49-8	
4-Chlorotoluene	<1.5	ug/L	5.0	1.5	2		11/27/18 08:43	106-43-4	
Benzene	<0.49	ug/L	2.0	0.49	2		11/27/18 08:43	71-43-2	
Bromobenzene	<0.48	ug/L	2.0	0.48	2		11/27/18 08:43	108-86-1	
Bromochloromethane	<0.72	ug/L	10.0	0.72	2		11/27/18 08:43	74-97-5	
Bromodichloromethane	<0.73	ug/L	2.4	0.73	2		11/27/18 08:43	75-27-4	
Bromoform	<7.9	ug/L	26.5	7.9	2		11/27/18 08:43	75-25-2	
Bromomethane	<1.9	ug/L	10.0	1.9	2		11/27/18 08:43	74-83-9	
Carbon tetrachloride	<0.33	ug/L	2.0	0.33	2		11/27/18 08:43	56-23-5	
Chlorobenzene	<1.4	ug/L	4.7	1.4	2		11/27/18 08:43	108-90-7	
Chloroethane	<2.7	ug/L	10.0	2.7	2		11/27/18 08:43	75-00-3	
Chloroform	<2.5	ug/L	10.0	2.5	2		11/27/18 08:43	67-66-3	
Chloromethane	<4.4	ug/L	14.6	4.4	2		11/27/18 08:43	74-87-3	
Dibromochloromethane	<5.2	ug/L	17.3	5.2	2		11/27/18 08:43	124-48-1	
Dibromomethane	<1.9	ug/L	6.2	1.9	2		11/27/18 08:43	74-95-3	
Dichlorodifluoromethane	<1.0	ug/L	10.0	1.0	2		11/27/18 08:43	75-71-8	
Diisopropyl ether	<3.8	ug/L	12.6	3.8	2		11/27/18 08:43	108-20-3	
Ethylbenzene	<0.44	ug/L	2.0	0.44	2		11/27/18 08:43	100-41-4	
Hexachloro-1,3-butadiene	<2.4	ug/L	10.0	2.4	2		11/27/18 08:43	87-68-3	
Isopropylbenzene (Cumene)	<0.79	ug/L	10.0	0.79	2		11/27/18 08:43	98-82-8	
Methyl-tert-butyl ether	<2.5	ug/L	8.3	2.5	2		11/27/18 08:43	1634-04-4	
Methylene Chloride	<1.2	ug/L	10.0	1.2	2		11/27/18 08:43	75-09-2	
Naphthalene	<2.4	ug/L	10.0	2.4	2		11/27/18 08:43	91-20-3	
Styrene	<0.93	ug/L	3.1	0.93	2		11/27/18 08:43	100-42-5	
Tetrachloroethene	<0.65	ug/L	2.2	0.65	2		11/27/18 08:43	127-18-4	

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ANALYTICAL RESULTS

Project: TD BROACH-QTR4

Pace Project No.: 40180038

Sample: MW-6 **Lab ID: 40180038003** Collected: 11/20/18 15:00 Received: 11/21/18 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Toluene	<0.34	ug/L	10.0	0.34	2		11/27/18 08:43	108-88-3	
Trichloroethene	<0.51	ug/L	2.0	0.51	2		11/27/18 08:43	79-01-6	
Trichlorofluoromethane	<0.43	ug/L	2.0	0.43	2		11/27/18 08:43	75-69-4	
Vinyl chloride	0.39J	ug/L	2.0	0.35	2		11/27/18 08:43	75-01-4	
cis-1,2-Dichloroethene	0.93J	ug/L	2.0	0.54	2		11/27/18 08:43	156-59-2	
cis-1,3-Dichloropropene	<7.3	ug/L	24.2	7.3	2		11/27/18 08:43	10061-01-5	
m&p-Xylene	<0.93	ug/L	4.0	0.93	2		11/27/18 08:43	179601-23-1	
n-Butylbenzene	<1.4	ug/L	4.7	1.4	2		11/27/18 08:43	104-51-8	
n-Propylbenzene	<1.6	ug/L	10.0	1.6	2		11/27/18 08:43	103-65-1	
o-Xylene	<0.52	ug/L	2.0	0.52	2		11/27/18 08:43	95-47-6	
p-Isopropyltoluene	<1.6	ug/L	5.3	1.6	2		11/27/18 08:43	99-87-6	
sec-Butylbenzene	<1.7	ug/L	10.0	1.7	2		11/27/18 08:43	135-98-8	
tert-Butylbenzene	<0.61	ug/L	2.0	0.61	2		11/27/18 08:43	98-06-6	
trans-1,2-Dichloroethene	<2.2	ug/L	7.3	2.2	2		11/27/18 08:43	156-60-5	
trans-1,3-Dichloropropene	<8.7	ug/L	29.1	8.7	2		11/27/18 08:43	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		2		11/27/18 08:43	460-00-4	D3
Dibromofluoromethane (S)	94	%	70-130		2		11/27/18 08:43	1868-53-7	
Toluene-d8 (S)	104	%	70-130		2		11/27/18 08:43	2037-26-5	

Sample: MW-7 **Lab ID: 40180038004** Collected: 11/20/18 15:00 Received: 11/21/18 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		11/26/18 12:27	630-20-6	
1,1,1-Trichloroethane	0.89J	ug/L	1.0	0.24	1		11/26/18 12:27	71-55-6	
1,1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/26/18 12:27	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/26/18 12:27	79-00-5	
1,1-Dichloroethane	2.0	ug/L	1.0	0.27	1		11/26/18 12:27	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		11/26/18 12:27	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		11/26/18 12:27	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		11/26/18 12:27	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		11/26/18 12:27	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/26/18 12:27	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		11/26/18 12:27	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		11/26/18 12:27	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		11/26/18 12:27	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		11/26/18 12:27	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/26/18 12:27	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/26/18 12:27	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		11/26/18 12:27	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		11/26/18 12:27	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		11/26/18 12:27	142-28-9	

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ANALYTICAL RESULTS

Project: TD BROACH-QTR4

Pace Project No.: 40180038

Sample: MW-7 **Lab ID: 40180038004** Collected: 11/20/18 15:00 Received: 11/21/18 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		11/26/18 12:27	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		11/26/18 12:27	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		11/26/18 12:27	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		11/26/18 12:27	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		11/26/18 12:27	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		11/26/18 12:27	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/26/18 12:27	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/26/18 12:27	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/26/18 12:27	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/26/18 12:27	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		11/26/18 12:27	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/26/18 12:27	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/26/18 12:27	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/26/18 12:27	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/26/18 12:27	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/26/18 12:27	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		11/26/18 12:27	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		11/26/18 12:27	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		11/26/18 12:27	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		11/26/18 12:27	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		11/26/18 12:27	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		11/26/18 12:27	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		11/26/18 12:27	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/26/18 12:27	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		11/26/18 12:27	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		11/26/18 12:27	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/26/18 12:27	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		11/26/18 12:27	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		11/26/18 12:27	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		11/26/18 12:27	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/26/18 12:27	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		11/26/18 12:27	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/26/18 12:27	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		11/26/18 12:27	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		11/26/18 12:27	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		11/26/18 12:27	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		11/26/18 12:27	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		11/26/18 12:27	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		11/26/18 12:27	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		11/26/18 12:27	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		11/26/18 12:27	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/26/18 12:27	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		11/26/18 12:27	460-00-4	
Dibromofluoromethane (S)	94	%	70-130		1		11/26/18 12:27	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		11/26/18 12:27	2037-26-5	

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ANALYTICAL RESULTS

Project: TD BROACH-QTR4

Pace Project No.: 40180038

Sample: MW-9 **Lab ID: 40180038005** Collected: 11/20/18 15:00 Received: 11/21/18 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		11/26/18 15:04	630-20-6	
1,1,1-Trichloroethane	0.71J	ug/L	1.0	0.24	1		11/26/18 15:04	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/26/18 15:04	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/26/18 15:04	79-00-5	
1,1-Dichloroethane	3.9	ug/L	1.0	0.27	1		11/26/18 15:04	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		11/26/18 15:04	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		11/26/18 15:04	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		11/26/18 15:04	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		11/26/18 15:04	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/26/18 15:04	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		11/26/18 15:04	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		11/26/18 15:04	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		11/26/18 15:04	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		11/26/18 15:04	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/26/18 15:04	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/26/18 15:04	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		11/26/18 15:04	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		11/26/18 15:04	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		11/26/18 15:04	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		11/26/18 15:04	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		11/26/18 15:04	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		11/26/18 15:04	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		11/26/18 15:04	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		11/26/18 15:04	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		11/26/18 15:04	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/26/18 15:04	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/26/18 15:04	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/26/18 15:04	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/26/18 15:04	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		11/26/18 15:04	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/26/18 15:04	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/26/18 15:04	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/26/18 15:04	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/26/18 15:04	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/26/18 15:04	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		11/26/18 15:04	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		11/26/18 15:04	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		11/26/18 15:04	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		11/26/18 15:04	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		11/26/18 15:04	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		11/26/18 15:04	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		11/26/18 15:04	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/26/18 15:04	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		11/26/18 15:04	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		11/26/18 15:04	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/26/18 15:04	127-18-4	

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ANALYTICAL RESULTS

Project: TD BROACH-QTR4

Pace Project No.: 40180038

Sample: MW-9 Lab ID: 40180038005 Collected: 11/20/18 15:00 Received: 11/21/18 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Toluene	<0.17	ug/L	5.0	0.17	1		11/26/18 15:04	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		11/26/18 15:04	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		11/26/18 15:04	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/26/18 15:04	75-01-4	
cis-1,2-Dichloroethene	0.88J	ug/L	1.0	0.27	1		11/26/18 15:04	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/26/18 15:04	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		11/26/18 15:04	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		11/26/18 15:04	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		11/26/18 15:04	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		11/26/18 15:04	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		11/26/18 15:04	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		11/26/18 15:04	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		11/26/18 15:04	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		11/26/18 15:04	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/26/18 15:04	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		11/26/18 15:04	460-00-4	
Dibromofluoromethane (S)	97	%	70-130		1		11/26/18 15:04	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		11/26/18 15:04	2037-26-5	

Sample: MW-10 Lab ID: 40180038006 Collected: 11/20/18 15:00 Received: 11/21/18 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.54	ug/L	2.0	0.54	2		11/26/18 13:34	630-20-6	
1,1,1-Trichloroethane	<0.49	ug/L	2.0	0.49	2		11/26/18 13:34	71-55-6	
1,1,1,2,2-Tetrachloroethane	<0.55	ug/L	2.0	0.55	2		11/26/18 13:34	79-34-5	
1,1,2-Trichloroethane	<1.1	ug/L	10.0	1.1	2		11/26/18 13:34	79-00-5	
1,1-Dichloroethane	1.9J	ug/L	2.0	0.55	2		11/26/18 13:34	75-34-3	
1,1-Dichloroethene	<0.49	ug/L	2.0	0.49	2		11/26/18 13:34	75-35-4	
1,1-Dichloropropene	<1.1	ug/L	3.6	1.1	2		11/26/18 13:34	563-58-6	
1,2,3-Trichlorobenzene	<1.3	ug/L	10.0	1.3	2		11/26/18 13:34	87-61-6	
1,2,3-Trichloropropane	<1.2	ug/L	10.0	1.2	2		11/26/18 13:34	96-18-4	
1,2,4-Trichlorobenzene	<1.9	ug/L	10.0	1.9	2		11/26/18 13:34	120-82-1	
1,2,4-Trimethylbenzene	<1.7	ug/L	5.6	1.7	2		11/26/18 13:34	95-63-6	
1,2-Dibromo-3-chloropropane	<3.5	ug/L	11.8	3.5	2		11/26/18 13:34	96-12-8	
1,2-Dibromoethane (EDB)	<1.7	ug/L	5.5	1.7	2		11/26/18 13:34	106-93-4	
1,2-Dichlorobenzene	1.7J	ug/L	4.7	1.4	2		11/26/18 13:34	95-50-1	
1,2-Dichloroethane	<0.56	ug/L	2.0	0.56	2		11/26/18 13:34	107-06-2	
1,2-Dichloropropane	<0.57	ug/L	2.0	0.57	2		11/26/18 13:34	78-87-5	
1,3,5-Trimethylbenzene	<1.7	ug/L	5.8	1.7	2		11/26/18 13:34	108-67-8	
1,3-Dichlorobenzene	<1.3	ug/L	4.2	1.3	2		11/26/18 13:34	541-73-1	
1,3-Dichloropropane	<1.7	ug/L	5.5	1.7	2		11/26/18 13:34	142-28-9	

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ANALYTICAL RESULTS

Project: TD BROACH-QTR4

Pace Project No.: 40180038

Sample: MW-10 **Lab ID: 40180038006** Collected: 11/20/18 15:00 Received: 11/21/18 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,4-Dichlorobenzene	<1.9	ug/L	6.3	1.9	2		11/26/18 13:34	106-46-7	
2,2-Dichloropropane	<4.5	ug/L	15.1	4.5	2		11/26/18 13:34	594-20-7	
2-Chlorotoluene	<1.9	ug/L	10.0	1.9	2		11/26/18 13:34	95-49-8	
4-Chlorotoluene	<1.5	ug/L	5.0	1.5	2		11/26/18 13:34	106-43-4	
Benzene	<0.49	ug/L	2.0	0.49	2		11/26/18 13:34	71-43-2	
Bromobenzene	<0.48	ug/L	2.0	0.48	2		11/26/18 13:34	108-86-1	
Bromochloromethane	<0.72	ug/L	10.0	0.72	2		11/26/18 13:34	74-97-5	
Bromodichloromethane	<0.73	ug/L	2.4	0.73	2		11/26/18 13:34	75-27-4	
Bromoform	<7.9	ug/L	26.5	7.9	2		11/26/18 13:34	75-25-2	
Bromomethane	<1.9	ug/L	10.0	1.9	2		11/26/18 13:34	74-83-9	
Carbon tetrachloride	<0.33	ug/L	2.0	0.33	2		11/26/18 13:34	56-23-5	
Chlorobenzene	<1.4	ug/L	4.7	1.4	2		11/26/18 13:34	108-90-7	
Chloroethane	<2.7	ug/L	10.0	2.7	2		11/26/18 13:34	75-00-3	
Chloroform	<2.5	ug/L	10.0	2.5	2		11/26/18 13:34	67-66-3	
Chloromethane	<4.4	ug/L	14.6	4.4	2		11/26/18 13:34	74-87-3	
Dibromochloromethane	<5.2	ug/L	17.3	5.2	2		11/26/18 13:34	124-48-1	
Dibromomethane	<1.9	ug/L	6.2	1.9	2		11/26/18 13:34	74-95-3	
Dichlorodifluoromethane	<1.0	ug/L	10.0	1.0	2		11/26/18 13:34	75-71-8	
Diisopropyl ether	<3.8	ug/L	12.6	3.8	2		11/26/18 13:34	108-20-3	
Ethylbenzene	<0.44	ug/L	2.0	0.44	2		11/26/18 13:34	100-41-4	
Hexachloro-1,3-butadiene	<2.4	ug/L	10.0	2.4	2		11/26/18 13:34	87-68-3	
Isopropylbenzene (Cumene)	<0.79	ug/L	10.0	0.79	2		11/26/18 13:34	98-82-8	
Methyl-tert-butyl ether	<2.5	ug/L	8.3	2.5	2		11/26/18 13:34	1634-04-4	
Methylene Chloride	<1.2	ug/L	10.0	1.2	2		11/26/18 13:34	75-09-2	
Naphthalene	<2.4	ug/L	10.0	2.4	2		11/26/18 13:34	91-20-3	
Styrene	<0.93	ug/L	3.1	0.93	2		11/26/18 13:34	100-42-5	
Tetrachloroethene	<0.65	ug/L	2.2	0.65	2		11/26/18 13:34	127-18-4	
Toluene	<0.34	ug/L	10.0	0.34	2		11/26/18 13:34	108-88-3	
Trichloroethene	<0.51	ug/L	2.0	0.51	2		11/26/18 13:34	79-01-6	
Trichlorofluoromethane	<0.43	ug/L	2.0	0.43	2		11/26/18 13:34	75-69-4	
Vinyl chloride	212	ug/L	2.0	0.35	2		11/26/18 13:34	75-01-4	
cis-1,2-Dichloroethene	2.0J	ug/L	2.0	0.54	2		11/26/18 13:34	156-59-2	
cis-1,3-Dichloropropene	<7.3	ug/L	24.2	7.3	2		11/26/18 13:34	10061-01-5	
m&p-Xylene	<0.93	ug/L	4.0	0.93	2		11/26/18 13:34	179601-23-1	
n-Butylbenzene	<1.4	ug/L	4.7	1.4	2		11/26/18 13:34	104-51-8	
n-Propylbenzene	<1.6	ug/L	10.0	1.6	2		11/26/18 13:34	103-65-1	
o-Xylene	<0.52	ug/L	2.0	0.52	2		11/26/18 13:34	95-47-6	
p-Isopropyltoluene	<1.6	ug/L	5.3	1.6	2		11/26/18 13:34	99-87-6	
sec-Butylbenzene	<1.7	ug/L	10.0	1.7	2		11/26/18 13:34	135-98-8	
tert-Butylbenzene	<0.61	ug/L	2.0	0.61	2		11/26/18 13:34	98-06-6	
trans-1,2-Dichloroethene	4.5J	ug/L	7.3	2.2	2		11/26/18 13:34	156-60-5	
trans-1,3-Dichloropropene	<8.7	ug/L	29.1	8.7	2		11/26/18 13:34	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		2		11/26/18 13:34	460-00-4	
Dibromofluoromethane (S)	96	%	70-130		2		11/26/18 13:34	1868-53-7	
Toluene-d8 (S)	103	%	70-130		2		11/26/18 13:34	2037-26-5	

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ANALYTICAL RESULTS

Project: TD BROACH-QTR4

Pace Project No.: 40180038

Sample: MW-14 Lab ID: 40180038007 Collected: 11/20/18 15:00 Received: 11/21/18 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		11/26/18 15:26	630-20-6	
1,1,1-Trichloroethane	68.3	ug/L	1.0	0.24	1		11/26/18 15:26	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/26/18 15:26	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/26/18 15:26	79-00-5	
1,1-Dichloroethane	30.8	ug/L	1.0	0.27	1		11/26/18 15:26	75-34-3	
1,1-Dichloroethene	5.0	ug/L	1.0	0.24	1		11/26/18 15:26	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		11/26/18 15:26	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		11/26/18 15:26	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		11/26/18 15:26	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/26/18 15:26	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		11/26/18 15:26	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		11/26/18 15:26	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		11/26/18 15:26	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		11/26/18 15:26	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/26/18 15:26	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/26/18 15:26	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		11/26/18 15:26	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		11/26/18 15:26	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		11/26/18 15:26	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		11/26/18 15:26	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		11/26/18 15:26	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		11/26/18 15:26	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		11/26/18 15:26	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		11/26/18 15:26	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		11/26/18 15:26	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/26/18 15:26	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/26/18 15:26	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/26/18 15:26	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/26/18 15:26	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		11/26/18 15:26	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/26/18 15:26	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/26/18 15:26	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/26/18 15:26	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/26/18 15:26	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/26/18 15:26	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		11/26/18 15:26	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		11/26/18 15:26	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		11/26/18 15:26	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		11/26/18 15:26	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		11/26/18 15:26	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		11/26/18 15:26	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		11/26/18 15:26	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/26/18 15:26	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		11/26/18 15:26	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		11/26/18 15:26	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/26/18 15:26	127-18-4	

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ANALYTICAL RESULTS

Project: TD BROACH-QTR4

Pace Project No.: 40180038

Sample: MW-14 **Lab ID: 40180038007** Collected: 11/20/18 15:00 Received: 11/21/18 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Toluene	<0.17	ug/L	5.0	0.17	1		11/26/18 15:26	108-88-3	
Trichloroethene	10.5	ug/L	1.0	0.26	1		11/26/18 15:26	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		11/26/18 15:26	75-69-4	
Vinyl chloride	1.2	ug/L	1.0	0.17	1		11/26/18 15:26	75-01-4	
cis-1,2-Dichloroethene	10.1	ug/L	1.0	0.27	1		11/26/18 15:26	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/26/18 15:26	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		11/26/18 15:26	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		11/26/18 15:26	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		11/26/18 15:26	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		11/26/18 15:26	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		11/26/18 15:26	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		11/26/18 15:26	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		11/26/18 15:26	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		11/26/18 15:26	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/26/18 15:26	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		11/26/18 15:26	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		11/26/18 15:26	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		11/26/18 15:26	2037-26-5	

Sample: MW-17 **Lab ID: 40180038008** Collected: 11/20/18 15:00 Received: 11/21/18 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		11/26/18 11:42	630-20-6	
1,1,1-Trichloroethane	0.59J	ug/L	1.0	0.24	1		11/26/18 11:42	71-55-6	
1,1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/26/18 11:42	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/26/18 11:42	79-00-5	
1,1-Dichloroethane	0.39J	ug/L	1.0	0.27	1		11/26/18 11:42	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		11/26/18 11:42	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		11/26/18 11:42	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		11/26/18 11:42	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		11/26/18 11:42	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/26/18 11:42	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		11/26/18 11:42	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		11/26/18 11:42	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		11/26/18 11:42	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		11/26/18 11:42	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/26/18 11:42	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/26/18 11:42	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		11/26/18 11:42	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		11/26/18 11:42	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		11/26/18 11:42	142-28-9	

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ANALYTICAL RESULTS

Project: TD BROACH-QTR4
Pace Project No.: 40180038

Sample: MW-17 **Lab ID: 40180038008** Collected: 11/20/18 15:00 Received: 11/21/18 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		11/26/18 11:42	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		11/26/18 11:42	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		11/26/18 11:42	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		11/26/18 11:42	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		11/26/18 11:42	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		11/26/18 11:42	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/26/18 11:42	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/26/18 11:42	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/26/18 11:42	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/26/18 11:42	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		11/26/18 11:42	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/26/18 11:42	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/26/18 11:42	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/26/18 11:42	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/26/18 11:42	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/26/18 11:42	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		11/26/18 11:42	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		11/26/18 11:42	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		11/26/18 11:42	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		11/26/18 11:42	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		11/26/18 11:42	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		11/26/18 11:42	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		11/26/18 11:42	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/26/18 11:42	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		11/26/18 11:42	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		11/26/18 11:42	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/26/18 11:42	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		11/26/18 11:42	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		11/26/18 11:42	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		11/26/18 11:42	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/26/18 11:42	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		11/26/18 11:42	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/26/18 11:42	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		11/26/18 11:42	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		11/26/18 11:42	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		11/26/18 11:42	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		11/26/18 11:42	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		11/26/18 11:42	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		11/26/18 11:42	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		11/26/18 11:42	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		11/26/18 11:42	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/26/18 11:42	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		11/26/18 11:42	460-00-4	
Dibromofluoromethane (S)	95	%	70-130		1		11/26/18 11:42	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		11/26/18 11:42	2037-26-5	

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ANALYTICAL RESULTS

Project: TD BROACH-QTR4

Pace Project No.: 40180038

Sample: MW-22 **Lab ID: 40180038009** Collected: 11/20/18 15:00 Received: 11/21/18 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		11/27/18 08:21	630-20-6	
1,1,1-Trichloroethane	1.1	ug/L	1.0	0.24	1		11/27/18 08:21	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/27/18 08:21	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/27/18 08:21	79-00-5	
1,1-Dichloroethane	1.0	ug/L	1.0	0.27	1		11/27/18 08:21	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		11/27/18 08:21	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		11/27/18 08:21	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		11/27/18 08:21	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		11/27/18 08:21	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/27/18 08:21	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		11/27/18 08:21	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		11/27/18 08:21	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		11/27/18 08:21	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		11/27/18 08:21	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/27/18 08:21	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/27/18 08:21	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		11/27/18 08:21	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		11/27/18 08:21	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		11/27/18 08:21	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		11/27/18 08:21	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		11/27/18 08:21	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		11/27/18 08:21	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		11/27/18 08:21	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		11/27/18 08:21	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		11/27/18 08:21	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/27/18 08:21	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/27/18 08:21	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/27/18 08:21	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/27/18 08:21	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		11/27/18 08:21	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/27/18 08:21	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/27/18 08:21	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/27/18 08:21	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/27/18 08:21	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/27/18 08:21	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		11/27/18 08:21	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		11/27/18 08:21	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		11/27/18 08:21	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		11/27/18 08:21	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		11/27/18 08:21	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		11/27/18 08:21	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		11/27/18 08:21	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/27/18 08:21	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		11/27/18 08:21	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		11/27/18 08:21	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/27/18 08:21	127-18-4	

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ANALYTICAL RESULTS

Project: TD BROACH-QTR4

Pace Project No.: 40180038

Sample: MW-22 **Lab ID: 40180038009** Collected: 11/20/18 15:00 Received: 11/21/18 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Toluene	<0.17	ug/L	5.0	0.17	1		11/27/18 08:21	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		11/27/18 08:21	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		11/27/18 08:21	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/27/18 08:21	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		11/27/18 08:21	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/27/18 08:21	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		11/27/18 08:21	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		11/27/18 08:21	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		11/27/18 08:21	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		11/27/18 08:21	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		11/27/18 08:21	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		11/27/18 08:21	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		11/27/18 08:21	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		11/27/18 08:21	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/27/18 08:21	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		11/27/18 08:21	460-00-4	
Dibromofluoromethane (S)	97	%	70-130		1		11/27/18 08:21	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		11/27/18 08:21	2037-26-5	

Sample: MW-23 **Lab ID: 40180038010** Collected: 11/20/18 15:00 Received: 11/21/18 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		11/26/18 15:49	630-20-6	
1,1,1-Trichloroethane	1.6	ug/L	1.0	0.24	1		11/26/18 15:49	71-55-6	
1,1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/26/18 15:49	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/26/18 15:49	79-00-5	
1,1-Dichloroethane	2.3	ug/L	1.0	0.27	1		11/26/18 15:49	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		11/26/18 15:49	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		11/26/18 15:49	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		11/26/18 15:49	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		11/26/18 15:49	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/26/18 15:49	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		11/26/18 15:49	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		11/26/18 15:49	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		11/26/18 15:49	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		11/26/18 15:49	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/26/18 15:49	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/26/18 15:49	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		11/26/18 15:49	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		11/26/18 15:49	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		11/26/18 15:49	142-28-9	

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ANALYTICAL RESULTS

Project: TD BROACH-QTR4

Pace Project No.: 40180038

Sample: MW-23 **Lab ID: 40180038010** Collected: 11/20/18 15:00 Received: 11/21/18 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		11/26/18 15:49	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		11/26/18 15:49	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		11/26/18 15:49	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		11/26/18 15:49	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		11/26/18 15:49	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		11/26/18 15:49	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/26/18 15:49	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/26/18 15:49	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/26/18 15:49	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/26/18 15:49	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		11/26/18 15:49	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/26/18 15:49	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/26/18 15:49	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/26/18 15:49	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/26/18 15:49	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/26/18 15:49	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		11/26/18 15:49	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		11/26/18 15:49	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		11/26/18 15:49	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		11/26/18 15:49	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		11/26/18 15:49	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		11/26/18 15:49	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		11/26/18 15:49	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/26/18 15:49	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		11/26/18 15:49	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		11/26/18 15:49	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/26/18 15:49	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		11/26/18 15:49	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		11/26/18 15:49	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		11/26/18 15:49	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/26/18 15:49	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		11/26/18 15:49	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/26/18 15:49	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		11/26/18 15:49	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		11/26/18 15:49	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		11/26/18 15:49	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		11/26/18 15:49	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		11/26/18 15:49	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		11/26/18 15:49	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		11/26/18 15:49	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		11/26/18 15:49	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/26/18 15:49	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		11/26/18 15:49	460-00-4	
Dibromofluoromethane (S)	97	%	70-130		1		11/26/18 15:49	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		11/26/18 15:49	2037-26-5	

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ANALYTICAL RESULTS

Project: TD BROACH-QTR4

Pace Project No.: 40180038

Sample: MW-24 **Lab ID: 40180038011** Collected: 11/20/18 15:00 Received: 11/21/18 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<1.1	ug/L	4.0	1.1	4		11/26/18 14:19	630-20-6	
1,1,1-Trichloroethane	43.5	ug/L	4.0	0.98	4		11/26/18 14:19	71-55-6	
1,1,2,2-Tetrachloroethane	<1.1	ug/L	4.0	1.1	4		11/26/18 14:19	79-34-5	
1,1,2-Trichloroethane	<2.2	ug/L	20.0	2.2	4		11/26/18 14:19	79-00-5	
1,1-Dichloroethane	309	ug/L	4.0	1.1	4		11/26/18 14:19	75-34-3	
1,1-Dichloroethene	1.9J	ug/L	4.0	0.98	4		11/26/18 14:19	75-35-4	
1,1-Dichloropropene	<2.2	ug/L	7.2	2.2	4		11/26/18 14:19	563-58-6	
1,2,3-Trichlorobenzene	<2.5	ug/L	20.0	2.5	4		11/26/18 14:19	87-61-6	
1,2,3-Trichloropropane	<2.4	ug/L	20.0	2.4	4		11/26/18 14:19	96-18-4	
1,2,4-Trichlorobenzene	<3.8	ug/L	20.0	3.8	4		11/26/18 14:19	120-82-1	
1,2,4-Trimethylbenzene	<3.4	ug/L	11.2	3.4	4		11/26/18 14:19	95-63-6	
1,2-Dibromo-3-chloropropane	<7.1	ug/L	23.5	7.1	4		11/26/18 14:19	96-12-8	
1,2-Dibromoethane (EDB)	<3.3	ug/L	11.1	3.3	4		11/26/18 14:19	106-93-4	
1,2-Dichlorobenzene	<2.8	ug/L	9.4	2.8	4		11/26/18 14:19	95-50-1	
1,2-Dichloroethane	1.8J	ug/L	4.0	1.1	4		11/26/18 14:19	107-06-2	
1,2-Dichloropropane	<1.1	ug/L	4.0	1.1	4		11/26/18 14:19	78-87-5	
1,3,5-Trimethylbenzene	<3.5	ug/L	11.6	3.5	4		11/26/18 14:19	108-67-8	
1,3-Dichlorobenzene	<2.5	ug/L	8.4	2.5	4		11/26/18 14:19	541-73-1	
1,3-Dichloropropane	<3.3	ug/L	11.0	3.3	4		11/26/18 14:19	142-28-9	
1,4-Dichlorobenzene	<3.8	ug/L	12.6	3.8	4		11/26/18 14:19	106-46-7	
2,2-Dichloropropane	<9.1	ug/L	30.2	9.1	4		11/26/18 14:19	594-20-7	
2-Chlorotoluene	<3.7	ug/L	20.0	3.7	4		11/26/18 14:19	95-49-8	
4-Chlorotoluene	<3.0	ug/L	10.1	3.0	4		11/26/18 14:19	106-43-4	
Benzene	<0.99	ug/L	4.0	0.99	4		11/26/18 14:19	71-43-2	
Bromobenzene	<0.96	ug/L	4.0	0.96	4		11/26/18 14:19	108-86-1	
Bromochloromethane	<1.4	ug/L	20.0	1.4	4		11/26/18 14:19	74-97-5	
Bromodichloromethane	<1.5	ug/L	4.8	1.5	4		11/26/18 14:19	75-27-4	
Bromoform	<15.9	ug/L	53.0	15.9	4		11/26/18 14:19	75-25-2	
Bromomethane	<3.9	ug/L	20.0	3.9	4		11/26/18 14:19	74-83-9	
Carbon tetrachloride	<0.66	ug/L	4.0	0.66	4		11/26/18 14:19	56-23-5	
Chlorobenzene	<2.8	ug/L	9.5	2.8	4		11/26/18 14:19	108-90-7	
Chloroethane	9.7J	ug/L	20.0	5.4	4		11/26/18 14:19	75-00-3	
Chloroform	<5.1	ug/L	20.0	5.1	4		11/26/18 14:19	67-66-3	
Chloromethane	<8.8	ug/L	29.2	8.8	4		11/26/18 14:19	74-87-3	
Dibromochloromethane	<10.4	ug/L	34.7	10.4	4		11/26/18 14:19	124-48-1	
Dibromomethane	<3.7	ug/L	12.5	3.7	4		11/26/18 14:19	74-95-3	
Dichlorodifluoromethane	<2.0	ug/L	20.0	2.0	4		11/26/18 14:19	75-71-8	
Diisopropyl ether	<7.6	ug/L	25.2	7.6	4		11/26/18 14:19	108-20-3	
Ethylbenzene	<0.87	ug/L	4.0	0.87	4		11/26/18 14:19	100-41-4	
Hexachloro-1,3-butadiene	<4.7	ug/L	20.0	4.7	4		11/26/18 14:19	87-68-3	
Isopropylbenzene (Cumene)	<1.6	ug/L	20.0	1.6	4		11/26/18 14:19	98-82-8	
Methyl-tert-butyl ether	<5.0	ug/L	16.6	5.0	4		11/26/18 14:19	1634-04-4	
Methylene Chloride	<2.3	ug/L	20.0	2.3	4		11/26/18 14:19	75-09-2	
Naphthalene	<4.7	ug/L	20.0	4.7	4		11/26/18 14:19	91-20-3	
Styrene	<1.9	ug/L	6.2	1.9	4		11/26/18 14:19	100-42-5	
Tetrachloroethene	<1.3	ug/L	4.4	1.3	4		11/26/18 14:19	127-18-4	

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ANALYTICAL RESULTS

Project: TD BROACH-QTR4

Pace Project No.: 40180038

Sample: MW-24 Lab ID: 40180038011 Collected: 11/20/18 15:00 Received: 11/21/18 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Toluene	<0.69	ug/L	20.0	0.69	4		11/26/18 14:19	108-88-3	
Trichloroethene	<1.0	ug/L	4.0	1.0	4		11/26/18 14:19	79-01-6	
Trichlorofluoromethane	<0.86	ug/L	4.0	0.86	4		11/26/18 14:19	75-69-4	
Vinyl chloride	6.6	ug/L	4.0	0.70	4		11/26/18 14:19	75-01-4	
cis-1,2-Dichloroethene	<1.1	ug/L	4.0	1.1	4		11/26/18 14:19	156-59-2	
cis-1,3-Dichloropropene	<14.5	ug/L	48.4	14.5	4		11/26/18 14:19	10061-01-5	
m&p-Xylene	<1.9	ug/L	8.0	1.9	4		11/26/18 14:19	179601-23-1	
n-Butylbenzene	<2.8	ug/L	9.4	2.8	4		11/26/18 14:19	104-51-8	
n-Propylbenzene	<3.2	ug/L	20.0	3.2	4		11/26/18 14:19	103-65-1	
o-Xylene	<1.0	ug/L	4.0	1.0	4		11/26/18 14:19	95-47-6	
p-Isopropyltoluene	<3.2	ug/L	10.7	3.2	4		11/26/18 14:19	99-87-6	
sec-Butylbenzene	<3.4	ug/L	20.0	3.4	4		11/26/18 14:19	135-98-8	
tert-Butylbenzene	<1.2	ug/L	4.1	1.2	4		11/26/18 14:19	98-06-6	
trans-1,2-Dichloroethene	<4.4	ug/L	14.5	4.4	4		11/26/18 14:19	156-60-5	
trans-1,3-Dichloropropene	<17.5	ug/L	58.3	17.5	4		11/26/18 14:19	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		4		11/26/18 14:19	460-00-4	
Dibromofluoromethane (S)	97	%	70-130		4		11/26/18 14:19	1868-53-7	
Toluene-d8 (S)	103	%	70-130		4		11/26/18 14:19	2037-26-5	

Sample: MW-25 Lab ID: 40180038012 Collected: 11/20/18 15:00 Received: 11/21/18 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		11/26/18 12:05	630-20-6	
1,1,1-Trichloroethane	4.6	ug/L	1.0	0.24	1		11/26/18 12:05	71-55-6	
1,1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/26/18 12:05	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/26/18 12:05	79-00-5	
1,1-Dichloroethane	73.8	ug/L	1.0	0.27	1		11/26/18 12:05	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		11/26/18 12:05	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		11/26/18 12:05	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		11/26/18 12:05	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		11/26/18 12:05	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/26/18 12:05	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		11/26/18 12:05	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		11/26/18 12:05	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		11/26/18 12:05	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		11/26/18 12:05	95-50-1	
1,2-Dichloroethane	0.29J	ug/L	1.0	0.28	1		11/26/18 12:05	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/26/18 12:05	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		11/26/18 12:05	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		11/26/18 12:05	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		11/26/18 12:05	142-28-9	

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ANALYTICAL RESULTS

Project: TD BROACH-QTR4

Pace Project No.: 40180038

Sample: MW-25 **Lab ID: 40180038012** Collected: 11/20/18 15:00 Received: 11/21/18 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		11/26/18 12:05	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		11/26/18 12:05	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		11/26/18 12:05	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		11/26/18 12:05	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		11/26/18 12:05	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		11/26/18 12:05	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/26/18 12:05	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/26/18 12:05	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/26/18 12:05	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/26/18 12:05	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		11/26/18 12:05	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/26/18 12:05	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/26/18 12:05	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/26/18 12:05	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/26/18 12:05	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/26/18 12:05	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		11/26/18 12:05	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		11/26/18 12:05	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		11/26/18 12:05	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		11/26/18 12:05	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		11/26/18 12:05	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		11/26/18 12:05	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		11/26/18 12:05	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/26/18 12:05	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		11/26/18 12:05	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		11/26/18 12:05	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/26/18 12:05	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		11/26/18 12:05	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		11/26/18 12:05	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		11/26/18 12:05	75-69-4	
Vinyl chloride	0.53J	ug/L	1.0	0.17	1		11/26/18 12:05	75-01-4	
cis-1,2-Dichloroethene	2.6	ug/L	1.0	0.27	1		11/26/18 12:05	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/26/18 12:05	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		11/26/18 12:05	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		11/26/18 12:05	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		11/26/18 12:05	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		11/26/18 12:05	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		11/26/18 12:05	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		11/26/18 12:05	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		11/26/18 12:05	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		11/26/18 12:05	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/26/18 12:05	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		11/26/18 12:05	460-00-4	
Dibromofluoromethane (S)	96	%	70-130		1		11/26/18 12:05	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		11/26/18 12:05	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TD BROACH-QTR4

Pace Project No.: 40180038

Sample: TRIP BLANK **Lab ID: 40180038013** Collected: 11/20/18 00:00 Received: 11/21/18 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		11/26/18 18:03	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		11/26/18 18:03	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/26/18 18:03	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/26/18 18:03	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		11/26/18 18:03	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		11/26/18 18:03	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		11/26/18 18:03	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		11/26/18 18:03	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		11/26/18 18:03	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/26/18 18:03	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		11/26/18 18:03	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		11/26/18 18:03	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		11/26/18 18:03	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		11/26/18 18:03	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/26/18 18:03	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/26/18 18:03	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		11/26/18 18:03	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		11/26/18 18:03	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		11/26/18 18:03	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		11/26/18 18:03	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		11/26/18 18:03	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		11/26/18 18:03	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		11/26/18 18:03	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		11/26/18 18:03	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		11/26/18 18:03	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/26/18 18:03	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/26/18 18:03	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/26/18 18:03	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/26/18 18:03	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		11/26/18 18:03	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/26/18 18:03	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/26/18 18:03	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/26/18 18:03	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/26/18 18:03	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/26/18 18:03	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		11/26/18 18:03	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		11/26/18 18:03	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		11/26/18 18:03	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		11/26/18 18:03	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		11/26/18 18:03	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		11/26/18 18:03	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		11/26/18 18:03	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/26/18 18:03	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		11/26/18 18:03	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		11/26/18 18:03	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/26/18 18:03	127-18-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TD BROACH-QTR4

Pace Project No.: 40180038

Sample: TRIP BLANK **Lab ID: 40180038013** Collected: 11/20/18 00:00 Received: 11/21/18 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Toluene	<0.17	ug/L	5.0	0.17	1		11/26/18 18:03	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		11/26/18 18:03	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		11/26/18 18:03	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/26/18 18:03	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		11/26/18 18:03	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/26/18 18:03	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		11/26/18 18:03	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		11/26/18 18:03	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		11/26/18 18:03	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		11/26/18 18:03	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		11/26/18 18:03	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		11/26/18 18:03	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		11/26/18 18:03	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		11/26/18 18:03	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/26/18 18:03	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		11/26/18 18:03	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		11/26/18 18:03	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		11/26/18 18:03	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TD BROACH-QTR4
Pace Project No.: 40180038

QC Batch: 307450 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40180038001, 40180038002, 40180038003, 40180038004, 40180038005, 40180038006, 40180038007, 40180038008, 40180038009, 40180038010, 40180038011, 40180038012, 40180038013

METHOD BLANK: 1797560 Matrix: Water
Associated Lab Samples: 40180038001, 40180038002, 40180038003, 40180038004, 40180038005, 40180038006, 40180038007, 40180038008, 40180038009, 40180038010, 40180038011, 40180038012, 40180038013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	11/26/18 07:58	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	11/26/18 07:58	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	11/26/18 07:58	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	11/26/18 07:58	
1,1-Dichloroethane	ug/L	<0.27	1.0	11/26/18 07:58	
1,1-Dichloroethene	ug/L	<0.24	1.0	11/26/18 07:58	
1,1-Dichloropropene	ug/L	<0.54	1.8	11/26/18 07:58	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	11/26/18 07:58	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	11/26/18 07:58	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	11/26/18 07:58	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	11/26/18 07:58	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	11/26/18 07:58	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	11/26/18 07:58	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	11/26/18 07:58	
1,2-Dichloroethane	ug/L	<0.28	1.0	11/26/18 07:58	
1,2-Dichloropropane	ug/L	<0.28	1.0	11/26/18 07:58	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	11/26/18 07:58	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	11/26/18 07:58	
1,3-Dichloropropane	ug/L	<0.83	2.8	11/26/18 07:58	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	11/26/18 07:58	
2,2-Dichloropropane	ug/L	<2.3	7.6	11/26/18 07:58	
2-Chlorotoluene	ug/L	<0.93	5.0	11/26/18 07:58	
4-Chlorotoluene	ug/L	<0.76	2.5	11/26/18 07:58	
Benzene	ug/L	<0.25	1.0	11/26/18 07:58	
Bromobenzene	ug/L	<0.24	1.0	11/26/18 07:58	
Bromochloromethane	ug/L	<0.36	5.0	11/26/18 07:58	
Bromodichloromethane	ug/L	<0.36	1.2	11/26/18 07:58	
Bromoform	ug/L	<4.0	13.2	11/26/18 07:58	
Bromomethane	ug/L	<0.97	5.0	11/26/18 07:58	
Carbon tetrachloride	ug/L	<0.17	1.0	11/26/18 07:58	
Chlorobenzene	ug/L	<0.71	2.4	11/26/18 07:58	
Chloroethane	ug/L	<1.3	5.0	11/26/18 07:58	
Chloroform	ug/L	<1.3	5.0	11/26/18 07:58	
Chloromethane	ug/L	<2.2	7.3	11/26/18 07:58	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	11/26/18 07:58	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	11/26/18 07:58	
Dibromochloromethane	ug/L	<2.6	8.7	11/26/18 07:58	
Dibromomethane	ug/L	<0.94	3.1	11/26/18 07:58	
Dichlorodifluoromethane	ug/L	<0.50	5.0	11/26/18 07:58	
Diisopropyl ether	ug/L	<1.9	6.3	11/26/18 07:58	

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QUALITY CONTROL DATA

Project: TD BROACH-QTR4

Pace Project No.: 40180038

METHOD BLANK: 1797560

Matrix: Water

Associated Lab Samples: 40180038001, 40180038002, 40180038003, 40180038004, 40180038005, 40180038006, 40180038007, 40180038008, 40180038009, 40180038010, 40180038011, 40180038012, 40180038013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.22	1.0	11/26/18 07:58	
Hexachloro-1,3-butadiene	ug/L	<1.2	5.0	11/26/18 07:58	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	11/26/18 07:58	
m&p-Xylene	ug/L	<0.47	2.0	11/26/18 07:58	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	11/26/18 07:58	
Methylene Chloride	ug/L	<0.58	5.0	11/26/18 07:58	
n-Butylbenzene	ug/L	<0.71	2.4	11/26/18 07:58	
n-Propylbenzene	ug/L	<0.81	5.0	11/26/18 07:58	
Naphthalene	ug/L	<1.2	5.0	11/26/18 07:58	
o-Xylene	ug/L	<0.26	1.0	11/26/18 07:58	
p-Isopropyltoluene	ug/L	<0.80	2.7	11/26/18 07:58	
sec-Butylbenzene	ug/L	<0.85	5.0	11/26/18 07:58	
Styrene	ug/L	<0.47	1.6	11/26/18 07:58	
tert-Butylbenzene	ug/L	<0.30	1.0	11/26/18 07:58	
Tetrachloroethene	ug/L	<0.33	1.1	11/26/18 07:58	
Toluene	ug/L	<0.17	5.0	11/26/18 07:58	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	11/26/18 07:58	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	11/26/18 07:58	
Trichloroethene	ug/L	<0.26	1.0	11/26/18 07:58	
Trichlorofluoromethane	ug/L	<0.21	1.0	11/26/18 07:58	
Vinyl chloride	ug/L	<0.17	1.0	11/26/18 07:58	
4-Bromofluorobenzene (S)	%	99	70-130	11/26/18 07:58	
Dibromofluoromethane (S)	%	95	70-130	11/26/18 07:58	
Toluene-d8 (S)	%	102	70-130	11/26/18 07:58	

LABORATORY CONTROL SAMPLE: 1797561

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	45.7	91	70-133	
1,1,2,2-Tetrachloroethane	ug/L	50	50.0	100	67-130	
1,1,2-Trichloroethane	ug/L	50	53.6	107	70-130	
1,1-Dichloroethane	ug/L	50	50.7	101	70-134	
1,1-Dichloroethene	ug/L	50	48.6	97	75-132	
1,2,4-Trichlorobenzene	ug/L	50	52.5	105	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	43.4	87	60-126	
1,2-Dibromoethane (EDB)	ug/L	50	51.5	103	70-130	
1,2-Dichlorobenzene	ug/L	50	50.4	101	70-130	
1,2-Dichloroethane	ug/L	50	50.5	101	73-134	
1,2-Dichloropropane	ug/L	50	53.4	107	79-128	
1,3-Dichlorobenzene	ug/L	50	50.1	100	70-130	
1,4-Dichlorobenzene	ug/L	50	50.1	100	70-130	
Benzene	ug/L	50	49.3	99	69-137	
Bromodichloromethane	ug/L	50	50.2	100	70-130	

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QUALITY CONTROL DATA

Project: TD BROACH-QTR4

Pace Project No.: 40180038

LABORATORY CONTROL SAMPLE: 1797561

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/L	50	54.8	110	64-133	
Bromomethane	ug/L	50	25.8	52	29-123	
Carbon tetrachloride	ug/L	50	44.5	89	73-142	
Chlorobenzene	ug/L	50	51.4	103	70-130	
Chloroethane	ug/L	50	48.2	96	59-133	
Chloroform	ug/L	50	48.8	98	80-129	
Chloromethane	ug/L	50	34.0	68	27-125	
cis-1,2-Dichloroethene	ug/L	50	48.4	97	70-134	
cis-1,3-Dichloropropene	ug/L	50	48.6	97	70-130	
Dibromochloromethane	ug/L	50	49.3	99	70-130	
Dichlorodifluoromethane	ug/L	50	39.9	80	12-127	
Ethylbenzene	ug/L	50	53.8	108	86-127	
Isopropylbenzene (Cumene)	ug/L	50	52.7	105	70-130	
m&p-Xylene	ug/L	100	106	106	70-131	
Methyl-tert-butyl ether	ug/L	50	42.5	85	65-136	
Methylene Chloride	ug/L	50	45.8	92	72-133	
o-Xylene	ug/L	50	51.4	103	70-130	
Styrene	ug/L	50	51.6	103	70-130	
Tetrachloroethene	ug/L	50	56.7	113	70-130	
Toluene	ug/L	50	52.9	106	84-124	
trans-1,2-Dichloroethene	ug/L	50	49.1	98	70-133	
trans-1,3-Dichloropropene	ug/L	50	46.8	94	67-130	
Trichloroethene	ug/L	50	53.3	107	70-130	
Trichlorofluoromethane	ug/L	50	53.1	106	69-147	
Vinyl chloride	ug/L	50	45.0	90	48-134	
4-Bromofluorobenzene (S)	%			102	70-130	
Dibromofluoromethane (S)	%			95	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1797873 1797874

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40180038010 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
1,1,1-Trichloroethane	ug/L	1.6	50	50	45.2	47.0	87	91	70-136	4	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	47.5	48.8	95	98	67-133	3	20	
1,1,2-Trichloroethane	ug/L	<0.55	50	50	50.8	53.2	102	106	70-130	5	20	
1,1-Dichloroethane	ug/L	2.3	50	50	50.7	52.8	97	101	70-139	4	20	
1,1-Dichloroethene	ug/L	<0.24	50	50	46.8	48.2	94	96	72-137	3	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	45.7	45.8	91	92	68-130	0	20	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	41.9	42.6	84	85	60-130	2	21	
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	48.9	51.1	98	102	70-130	4	20	
1,2-Dichlorobenzene	ug/L	<0.71	50	50	46.8	48.1	94	96	70-130	3	20	
1,2-Dichloroethane	ug/L	<0.28	50	50	46.3	47.6	93	95	71-137	3	20	
1,2-Dichloropropane	ug/L	<0.28	50	50	51.0	52.7	102	105	78-130	3	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 BROACH-QTR4

Pace Project No.: 40180038

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1797873												1797874											
Parameter	Units	40180038010		MS		MSD		MS		MSD		% Rec		Limits		Max		Qual					
		Result	Conc.	Spike Conc.	MSD Spike Conc.	Result	MSD Result	% Rec	MSD % Rec	RPD	RPD												
1,3-Dichlorobenzene	ug/L	<0.63	50	50	46.2	47.4	92	95	70-130	2	20												
1,4-Dichlorobenzene	ug/L	<0.94	50	50	46.6	47.6	93	95	70-130	2	20												
Benzene	ug/L	<0.25	50	50	46.8	48.5	94	97	66-143	4	20												
Bromodichloromethane	ug/L	<0.36	50	50	48.3	50.2	97	100	70-130	4	20												
Bromoform	ug/L	<4.0	50	50	52.0	53.7	104	107	64-134	3	20												
Bromomethane	ug/L	<0.97	50	50	28.7	31.1	57	62	29-136	8	25												
Carbon tetrachloride	ug/L	<0.17	50	50	42.4	44.3	85	89	73-142	4	20												
Chlorobenzene	ug/L	<0.71	50	50	48.5	50.4	97	101	70-130	4	20												
Chloroethane	ug/L	<1.3	50	50	46.5	47.7	93	95	58-138	2	20												
Chloroform	ug/L	<1.3	50	50	46.6	48.1	93	96	80-131	3	20												
Chloromethane	ug/L	<2.2	50	50	32.4	35.0	65	70	24-125	8	20												
cis-1,2-Dichloroethene	ug/L	<0.27	50	50	46.7	47.9	93	96	68-137	3	22												
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	46.3	48.0	93	96	70-130	4	20												
Dibromochloromethane	ug/L	<2.6	50	50	47.0	49.1	94	98	70-131	4	20												
Dichlorodifluoromethane	ug/L	<0.50	50	50	36.2	37.5	72	75	10-127	3	20												
Ethylbenzene	ug/L	<0.22	50	50	50.1	51.9	100	104	81-136	4	20												
Isopropylbenzene (Cumene)	ug/L	<0.39	50	50	47.4	48.9	95	98	70-132	3	20												
m&p-Xylene	ug/L	<0.47	100	100	99.0	102	99	102	70-135	3	20												
Methyl-tert-butyl ether	ug/L	<1.2	50	50	40.2	41.5	80	83	58-142	3	23												
Methylene Chloride	ug/L	<0.58	50	50	44.1	45.4	88	91	69-137	3	20												
o-Xylene	ug/L	<0.26	50	50	48.4	50.0	97	100	70-132	3	20												
Styrene	ug/L	<0.47	50	50	48.7	50.1	97	100	70-130	3	20												
Tetrachloroethene	ug/L	<0.33	50	50	52.4	54.6	105	109	70-132	4	20												
Toluene	ug/L	<0.17	50	50	50.0	52.1	100	104	81-130	4	20												
trans-1,2-Dichloroethene	ug/L	<1.1	50	50	47.5	48.6	95	97	70-136	2	20												
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	44.9	47.0	90	94	67-130	4	20												
Trichloroethene	ug/L	<0.26	50	50	50.7	52.7	101	105	70-131	4	20												
Trichlorofluoromethane	ug/L	<0.21	50	50	50.9	52.4	102	105	66-150	3	20												
Vinyl chloride	ug/L	<0.17	50	50	43.0	44.6	86	89	46-134	4	20												
4-Bromofluorobenzene (S)	%							102	102	70-130													
Dibromofluoromethane (S)	%							95	96	70-130													
Toluene-d8 (S)	%							101	101	70-130													

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: TD BROACH-QTR4

Pace Project No.: 40180038

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

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 BROACH-QTR4

Pace Project No.: 40180038

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40180038001	MW-1	EPA 8260	307450		
40180038002	MW-2	EPA 8260	307450		
40180038003	MW-6	EPA 8260	307450		
40180038004	MW-7	EPA 8260	307450		
40180038005	MW-9	EPA 8260	307450		
40180038006	MW-10	EPA 8260	307450		
40180038007	MW-14	EPA 8260	307450		
40180038008	MW-17	EPA 8260	307450		
40180038009	MW-22	EPA 8260	307450		
40180038010	MW-23	EPA 8260	307450		
40180038011	MW-24	EPA 8260	307450		
40180038012	MW-25	EPA 8260	307450		
40180038013	TRIP BLANK	EPA 8260	307450		

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(Please Print Clearly)

UPPER MIDWEST REGION

Company Name: ENVIRO AUDITS (EAI)
 Branch/Location: WEST ALUS
 Project Contact: JOHN RUTZ
 Phone: 414-491-4282
 Project Number:
 Project Name: TD BROACH - QTR 4
 Project State: WI
 Sampled By (Print): STIBER
 Sampled By (Sign): *[Signature]*
 PO #:
 Regulatory Program:



MN: 612-607-1700 WI: 920-469-2436

40180038

CHAIN OF CUSTODY

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

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

Y/N	Pick Letter	Analyses Requested																		
N	B	VOC																		

Quote #:
 Mail To Contact:
 Mail To Company:
 Mail To Address:
 Invoice To Contact:
 Invoice To Company:
 Invoice To Address:
 Invoice To Phone:
 CLIENT COMMENTS
 LAB COMMENTS (Lab Use Only)
 Profile #

[Handwritten: SAME]

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

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

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

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
001	MW-1	11/26	3pm	GW
002	MW-2			
003	MW-6			
004	MW-7			
005	MW-9			
006	MW-10			
007	MW-14			
008	MW-17			
009	MW-22			
010	MW-23			
011	MW-24			
012	MW-25			
013	Trip Blank ①			

Rush Turnaround Time Requested - Prelims
 (Rush TAT subject to approval/surcharge)
 Date Needed:
 Transmit Prelim Rush Results by (complete what you want):
 Email #1:
 Email #2:
 Telephone:
 Fax:
 Samples on HOLD are subject to special pricing and release of liability

Relinquished By: <i>[Signature]</i> Date/Time: 11/21/18 10:35	Received By: <i>[Signature]</i> Date/Time: 11/21/18 10:35
Relinquished By: <i>[Signature]</i> Date/Time: 11/21/18 1240	Received By: <i>[Signature]</i> Date/Time: 11/21/18 1240
Relinquished By: <i>[Signature]</i> Date/Time: 11/21/18 1405	Received By: <i>[Signature]</i> Date/Time: 11-21-18 1405
Relinquished By: _____ Date/Time: _____	Received By: _____ Date/Time: _____

PACE Project No. 40180038
 Receipt Temp: 70T °C
 Sample Receipt pH: OK / Adjusted
 Cooler Custody Seal: Present / Not Present
 Intact / Not Intact

① In shipment Lab added to COC SKW 11/21/18

Client Name: Enviro Audits

Sample Preservation Receipt Form

Project # 40140038

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

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

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



1241 Bellevue Street, Green Bay, WI 54302

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

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

Sample Condition Upon Receipt Form (SCUR)

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

Project #: _____
WO#: 40180038

40180038

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: ROT / Corr: _____
Temp Blank Present: yes no Biological Tissue is Frozen: yes no
Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C.

Person examining contents:
Date: 11-21-18
Initials: SW

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- 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 type="checkbox"/> Yes <input type="checkbox"/> No	10. <u>CO2 - Strong Odor will be in FR.</u>
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11. <u>11-21-18</u>
Sample Labels match COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. <u>One label on bubble bag contains 3 vials.</u>
-Includes date/time/ID/Analysis Matrix: <u>Wt</u>		<u>11-21-18</u>
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13. <u>FR shipment Lab added to COC.</u>
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<u>11-21-18</u>
Pace Trip Blank Lot # (if purchased): <u>407</u>		<u>SW</u>

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

Project Manager Review: Rmn for Rmn Date: 11/21/18

April 22, 2019

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

RE: Project: TD P3 2ND QTR GW
Pace Project No.: 40186003

Dear John Ruetz:

Enclosed are the analytical results for sample(s) received by the laboratory on April 18, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



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

Enclosures

cc: Ed Raymond, Environmental Audits, Inc
Steve Tiber, Environmental Audits Inc.
Stephanie Wagner, Environmental Audits, Inc.



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CERTIFICATIONS

Project: TD P3 2ND QTR GW

Pace Project No.: 40186003

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 2ND QTR GW
Pace Project No.: 40186003

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40186003001	MW-1	Water	04/16/19 00:00	04/18/19 08:45
40186003002	MW-2	Water	04/16/19 00:00	04/18/19 08:45
40186003003	MW-6	Water	04/16/19 00:00	04/18/19 08:45
40186003004	MW-7	Water	04/16/19 00:00	04/18/19 08:45
40186003005	MW-9	Water	04/16/19 00:00	04/18/19 08:45
40186003006	MW-10	Water	04/16/19 00:00	04/18/19 08:45
40186003007	MW-17	Water	04/16/19 00:00	04/18/19 08:45
40186003008	MW-18	Water	04/16/19 00:00	04/18/19 08:45
40186003009	MW-20	Water	04/16/19 00:00	04/18/19 08:45
40186003010	MW-21	Water	04/16/19 00:00	04/18/19 08:45
40186003011	MW-22	Water	04/16/19 00:00	04/18/19 08:45
40186003012	MW-23	Water	04/16/19 00:00	04/18/19 08:45
40186003013	MW-24	Water	04/16/19 00:00	04/18/19 08:45
40186003014	MW-25	Water	04/16/19 00:00	04/18/19 08:45
40186003015	TRIP BLANK	Water	04/16/19 00:00	04/18/19 08:45

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SAMPLE ANALYTE COUNT

Project: TD P3 2ND QTR GW

Pace Project No.: 40186003

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40186003001	MW-1	EPA 8260	LAP	64
40186003002	MW-2	EPA 8260	LAP	64
40186003003	MW-6	EPA 8260	LAP	64
40186003004	MW-7	EPA 8260	LAP	64
40186003005	MW-9	EPA 8260	LAP	64
40186003006	MW-10	EPA 8260	LAP	64
40186003007	MW-17	EPA 8260	LAP	64
40186003008	MW-18	EPA 8260	LAP	64
40186003009	MW-20	EPA 8260	LAP	64
40186003010	MW-21	EPA 8260	LAP	64
40186003011	MW-22	EPA 8260	LAP	64
40186003012	MW-23	EPA 8260	LAP	64
40186003013	MW-24	EPA 8260	LAP	64
40186003014	MW-25	EPA 8260	LAP	64
40186003015	TRIP BLANK	EPA 8260	LAP	64

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ANALYTICAL RESULTS

Project: TD P3 2ND QTR GW
Pace Project No.: 40186003

Sample: MW-1 **Lab ID: 40186003001** Collected: 04/16/19 00:00 Received: 04/18/19 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<2.7	ug/L	10.0	2.7	10		04/19/19 11:42	630-20-6	
1,1,1-Trichloroethane	<2.4	ug/L	10.0	2.4	10		04/19/19 11:42	71-55-6	
1,1,2,2-Tetrachloroethane	<2.8	ug/L	10.0	2.8	10		04/19/19 11:42	79-34-5	
1,1,2-Trichloroethane	<5.5	ug/L	50.0	5.5	10		04/19/19 11:42	79-00-5	
1,1-Dichloroethane	45.3	ug/L	10.0	2.7	10		04/19/19 11:42	75-34-3	
1,1-Dichloroethene	<2.4	ug/L	10.0	2.4	10		04/19/19 11:42	75-35-4	
1,1-Dichloropropene	<5.4	ug/L	18.0	5.4	10		04/19/19 11:42	563-58-6	
1,2,3-Trichlorobenzene	<6.3	ug/L	50.0	6.3	10		04/19/19 11:42	87-61-6	
1,2,3-Trichloropropane	<5.9	ug/L	50.0	5.9	10		04/19/19 11:42	96-18-4	
1,2,4-Trichlorobenzene	<9.5	ug/L	50.0	9.5	10		04/19/19 11:42	120-82-1	
1,2,4-Trimethylbenzene	<8.4	ug/L	28.0	8.4	10		04/19/19 11:42	95-63-6	
1,2-Dibromo-3-chloropropane	<17.6	ug/L	58.8	17.6	10		04/19/19 11:42	96-12-8	
1,2-Dibromoethane (EDB)	<8.3	ug/L	27.6	8.3	10		04/19/19 11:42	106-93-4	
1,2-Dichlorobenzene	<7.1	ug/L	23.5	7.1	10		04/19/19 11:42	95-50-1	
1,2-Dichloroethane	<2.8	ug/L	10.0	2.8	10		04/19/19 11:42	107-06-2	
1,2-Dichloropropane	<2.8	ug/L	10.0	2.8	10		04/19/19 11:42	78-87-5	
1,3,5-Trimethylbenzene	<8.7	ug/L	29.1	8.7	10		04/19/19 11:42	108-67-8	
1,3-Dichlorobenzene	<6.3	ug/L	20.9	6.3	10		04/19/19 11:42	541-73-1	
1,3-Dichloropropane	<8.3	ug/L	27.5	8.3	10		04/19/19 11:42	142-28-9	
1,4-Dichlorobenzene	<9.4	ug/L	31.5	9.4	10		04/19/19 11:42	106-46-7	
2,2-Dichloropropane	<22.7	ug/L	75.5	22.7	10		04/19/19 11:42	594-20-7	
2-Chlorotoluene	<9.3	ug/L	50.0	9.3	10		04/19/19 11:42	95-49-8	
4-Chlorotoluene	<7.6	ug/L	25.2	7.6	10		04/19/19 11:42	106-43-4	
Benzene	<2.5	ug/L	10.0	2.5	10		04/19/19 11:42	71-43-2	
Bromobenzene	<2.4	ug/L	10.0	2.4	10		04/19/19 11:42	108-86-1	
Bromochloromethane	<3.6	ug/L	50.0	3.6	10		04/19/19 11:42	74-97-5	
Bromodichloromethane	<3.6	ug/L	12.1	3.6	10		04/19/19 11:42	75-27-4	
Bromoform	<39.7	ug/L	132	39.7	10		04/19/19 11:42	75-25-2	
Bromomethane	<9.7	ug/L	50.0	9.7	10		04/19/19 11:42	74-83-9	
Carbon tetrachloride	<1.7	ug/L	10.0	1.7	10		04/19/19 11:42	56-23-5	
Chlorobenzene	<7.1	ug/L	23.7	7.1	10		04/19/19 11:42	108-90-7	
Chloroethane	<13.4	ug/L	50.0	13.4	10		04/19/19 11:42	75-00-3	
Chloroform	<12.7	ug/L	50.0	12.7	10		04/19/19 11:42	67-66-3	
Chloromethane	<21.9	ug/L	73.0	21.9	10		04/19/19 11:42	74-87-3	
Dibromochloromethane	<26.0	ug/L	86.7	26.0	10		04/19/19 11:42	124-48-1	
Dibromomethane	<9.4	ug/L	31.2	9.4	10		04/19/19 11:42	74-95-3	
Dichlorodifluoromethane	<5.0	ug/L	50.0	5.0	10		04/19/19 11:42	75-71-8	
Diisopropyl ether	<18.9	ug/L	62.9	18.9	10		04/19/19 11:42	108-20-3	
Ethylbenzene	<2.2	ug/L	10.0	2.2	10		04/19/19 11:42	100-41-4	
Hexachloro-1,3-butadiene	<11.8	ug/L	50.0	11.8	10		04/19/19 11:42	87-68-3	
Isopropylbenzene (Cumene)	<3.9	ug/L	50.0	3.9	10		04/19/19 11:42	98-82-8	
Methyl-tert-butyl ether	<12.5	ug/L	41.5	12.5	10		04/19/19 11:42	1634-04-4	
Methylene Chloride	<5.8	ug/L	50.0	5.8	10		04/19/19 11:42	75-09-2	
Naphthalene	<11.8	ug/L	50.0	11.8	10		04/19/19 11:42	91-20-3	
Styrene	<4.7	ug/L	15.5	4.7	10		04/19/19 11:42	100-42-5	
Tetrachloroethene	<3.3	ug/L	10.9	3.3	10		04/19/19 11:42	127-18-4	

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ANALYTICAL RESULTS

Project: TD P3 2ND QTR GW

Pace Project No.: 40186003

Sample: MW-1 **Lab ID: 40186003001** Collected: 04/16/19 00:00 Received: 04/18/19 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Toluene	<1.7	ug/L	50.0	1.7	10		04/19/19 11:42	108-88-3	
Trichloroethene	<2.6	ug/L	10.0	2.6	10		04/19/19 11:42	79-01-6	
Trichlorofluoromethane	<2.1	ug/L	10.0	2.1	10		04/19/19 11:42	75-69-4	
Vinyl chloride	<1.7	ug/L	10.0	1.7	10		04/19/19 11:42	75-01-4	
cis-1,2-Dichloroethene	<2.7	ug/L	10.0	2.7	10		04/19/19 11:42	156-59-2	
cis-1,3-Dichloropropene	<36.3	ug/L	121	36.3	10		04/19/19 11:42	10061-01-5	
m&p-Xylene	<4.7	ug/L	20.0	4.7	10		04/19/19 11:42	179601-23-1	
n-Butylbenzene	<7.1	ug/L	23.6	7.1	10		04/19/19 11:42	104-51-8	
n-Propylbenzene	<8.1	ug/L	50.0	8.1	10		04/19/19 11:42	103-65-1	
o-Xylene	<2.6	ug/L	10.0	2.6	10		04/19/19 11:42	95-47-6	
p-Isopropyltoluene	<8.0	ug/L	26.7	8.0	10		04/19/19 11:42	99-87-6	
sec-Butylbenzene	<8.5	ug/L	50.0	8.5	10		04/19/19 11:42	135-98-8	
tert-Butylbenzene	<3.0	ug/L	10.1	3.0	10		04/19/19 11:42	98-06-6	
trans-1,2-Dichloroethene	<10.9	ug/L	36.4	10.9	10		04/19/19 11:42	156-60-5	
trans-1,3-Dichloropropene	<43.7	ug/L	146	43.7	10		04/19/19 11:42	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		10		04/19/19 11:42	460-00-4	D3
Dibromofluoromethane (S)	122	%	70-130		10		04/19/19 11:42	1868-53-7	
Toluene-d8 (S)	99	%	70-130		10		04/19/19 11:42	2037-26-5	

Sample: MW-2 **Lab ID: 40186003002** Collected: 04/16/19 00:00 Received: 04/18/19 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<2.7	ug/L	10.0	2.7	10		04/19/19 12:05	630-20-6	
1,1,1-Trichloroethane	<2.4	ug/L	10.0	2.4	10		04/19/19 12:05	71-55-6	
1,1,1,2,2-Tetrachloroethane	<2.8	ug/L	10.0	2.8	10		04/19/19 12:05	79-34-5	
1,1,2-Trichloroethane	<5.5	ug/L	50.0	5.5	10		04/19/19 12:05	79-00-5	
1,1-Dichloroethane	18.2	ug/L	10.0	2.7	10		04/19/19 12:05	75-34-3	
1,1-Dichloroethene	<2.4	ug/L	10.0	2.4	10		04/19/19 12:05	75-35-4	
1,1-Dichloropropene	<5.4	ug/L	18.0	5.4	10		04/19/19 12:05	563-58-6	
1,2,3-Trichlorobenzene	<6.3	ug/L	50.0	6.3	10		04/19/19 12:05	87-61-6	
1,2,3-Trichloropropane	<5.9	ug/L	50.0	5.9	10		04/19/19 12:05	96-18-4	
1,2,4-Trichlorobenzene	<9.5	ug/L	50.0	9.5	10		04/19/19 12:05	120-82-1	
1,2,4-Trimethylbenzene	<8.4	ug/L	28.0	8.4	10		04/19/19 12:05	95-63-6	
1,2-Dibromo-3-chloropropane	<17.6	ug/L	58.8	17.6	10		04/19/19 12:05	96-12-8	
1,2-Dibromoethane (EDB)	<8.3	ug/L	27.6	8.3	10		04/19/19 12:05	106-93-4	
1,2-Dichlorobenzene	<7.1	ug/L	23.5	7.1	10		04/19/19 12:05	95-50-1	
1,2-Dichloroethane	<2.8	ug/L	10.0	2.8	10		04/19/19 12:05	107-06-2	
1,2-Dichloropropane	<2.8	ug/L	10.0	2.8	10		04/19/19 12:05	78-87-5	
1,3,5-Trimethylbenzene	<8.7	ug/L	29.1	8.7	10		04/19/19 12:05	108-67-8	
1,3-Dichlorobenzene	<6.3	ug/L	20.9	6.3	10		04/19/19 12:05	541-73-1	
1,3-Dichloropropane	<8.3	ug/L	27.5	8.3	10		04/19/19 12:05	142-28-9	

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ANALYTICAL RESULTS

Project: TD P3 2ND QTR GW

Pace Project No.: 40186003

Sample: MW-2 **Lab ID: 40186003002** Collected: 04/16/19 00:00 Received: 04/18/19 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,4-Dichlorobenzene	<9.4	ug/L	31.5	9.4	10		04/19/19 12:05	106-46-7	
2,2-Dichloropropane	<22.7	ug/L	75.5	22.7	10		04/19/19 12:05	594-20-7	
2-Chlorotoluene	<9.3	ug/L	50.0	9.3	10		04/19/19 12:05	95-49-8	
4-Chlorotoluene	<7.6	ug/L	25.2	7.6	10		04/19/19 12:05	106-43-4	
Benzene	<2.5	ug/L	10.0	2.5	10		04/19/19 12:05	71-43-2	
Bromobenzene	<2.4	ug/L	10.0	2.4	10		04/19/19 12:05	108-86-1	
Bromochloromethane	<3.6	ug/L	50.0	3.6	10		04/19/19 12:05	74-97-5	
Bromodichloromethane	<3.6	ug/L	12.1	3.6	10		04/19/19 12:05	75-27-4	
Bromoform	<39.7	ug/L	132	39.7	10		04/19/19 12:05	75-25-2	
Bromomethane	<9.7	ug/L	50.0	9.7	10		04/19/19 12:05	74-83-9	
Carbon tetrachloride	<1.7	ug/L	10.0	1.7	10		04/19/19 12:05	56-23-5	
Chlorobenzene	<7.1	ug/L	23.7	7.1	10		04/19/19 12:05	108-90-7	
Chloroethane	<13.4	ug/L	50.0	13.4	10		04/19/19 12:05	75-00-3	
Chloroform	<12.7	ug/L	50.0	12.7	10		04/19/19 12:05	67-66-3	
Chloromethane	<21.9	ug/L	73.0	21.9	10		04/19/19 12:05	74-87-3	
Dibromochloromethane	<26.0	ug/L	86.7	26.0	10		04/19/19 12:05	124-48-1	
Dibromomethane	<9.4	ug/L	31.2	9.4	10		04/19/19 12:05	74-95-3	
Dichlorodifluoromethane	<5.0	ug/L	50.0	5.0	10		04/19/19 12:05	75-71-8	
Diisopropyl ether	<18.9	ug/L	62.9	18.9	10		04/19/19 12:05	108-20-3	
Ethylbenzene	<2.2	ug/L	10.0	2.2	10		04/19/19 12:05	100-41-4	
Hexachloro-1,3-butadiene	<11.8	ug/L	50.0	11.8	10		04/19/19 12:05	87-68-3	
Isopropylbenzene (Cumene)	<3.9	ug/L	50.0	3.9	10		04/19/19 12:05	98-82-8	
Methyl-tert-butyl ether	<12.5	ug/L	41.5	12.5	10		04/19/19 12:05	1634-04-4	
Methylene Chloride	<5.8	ug/L	50.0	5.8	10		04/19/19 12:05	75-09-2	
Naphthalene	<11.8	ug/L	50.0	11.8	10		04/19/19 12:05	91-20-3	
Styrene	<4.7	ug/L	15.5	4.7	10		04/19/19 12:05	100-42-5	
Tetrachloroethene	<3.3	ug/L	10.9	3.3	10		04/19/19 12:05	127-18-4	
Toluene	<1.7	ug/L	50.0	1.7	10		04/19/19 12:05	108-88-3	
Trichloroethene	<2.6	ug/L	10.0	2.6	10		04/19/19 12:05	79-01-6	
Trichlorofluoromethane	<2.1	ug/L	10.0	2.1	10		04/19/19 12:05	75-69-4	
Vinyl chloride	<1.7	ug/L	10.0	1.7	10		04/19/19 12:05	75-01-4	
cis-1,2-Dichloroethene	<2.7	ug/L	10.0	2.7	10		04/19/19 12:05	156-59-2	
cis-1,3-Dichloropropene	<36.3	ug/L	121	36.3	10		04/19/19 12:05	10061-01-5	
m&p-Xylene	<4.7	ug/L	20.0	4.7	10		04/19/19 12:05	179601-23-1	
n-Butylbenzene	<7.1	ug/L	23.6	7.1	10		04/19/19 12:05	104-51-8	
n-Propylbenzene	<8.1	ug/L	50.0	8.1	10		04/19/19 12:05	103-65-1	
o-Xylene	<2.6	ug/L	10.0	2.6	10		04/19/19 12:05	95-47-6	
p-Isopropyltoluene	<8.0	ug/L	26.7	8.0	10		04/19/19 12:05	99-87-6	
sec-Butylbenzene	<8.5	ug/L	50.0	8.5	10		04/19/19 12:05	135-98-8	
tert-Butylbenzene	<3.0	ug/L	10.1	3.0	10		04/19/19 12:05	98-06-6	
trans-1,2-Dichloroethene	<10.9	ug/L	36.4	10.9	10		04/19/19 12:05	156-60-5	
trans-1,3-Dichloropropene	<43.7	ug/L	146	43.7	10		04/19/19 12:05	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	86	%	70-130		10		04/19/19 12:05	460-00-4	D3
Dibromofluoromethane (S)	119	%	70-130		10		04/19/19 12:05	1868-53-7	
Toluene-d8 (S)	97	%	70-130		10		04/19/19 12:05	2037-26-5	

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ANALYTICAL RESULTS

Project: TD P3 2ND QTR GW

Pace Project No.: 40186003

Sample: MW-6 **Lab ID: 40186003003** Collected: 04/16/19 00:00 Received: 04/18/19 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<2.7	ug/L	10.0	2.7	10		04/19/19 12:27	630-20-6	
1,1,1-Trichloroethane	<2.4	ug/L	10.0	2.4	10		04/19/19 12:27	71-55-6	
1,1,2,2-Tetrachloroethane	<2.8	ug/L	10.0	2.8	10		04/19/19 12:27	79-34-5	
1,1,2-Trichloroethane	<5.5	ug/L	50.0	5.5	10		04/19/19 12:27	79-00-5	
1,1-Dichloroethane	79.4	ug/L	10.0	2.7	10		04/19/19 12:27	75-34-3	
1,1-Dichloroethene	<2.4	ug/L	10.0	2.4	10		04/19/19 12:27	75-35-4	
1,1-Dichloropropene	<5.4	ug/L	18.0	5.4	10		04/19/19 12:27	563-58-6	
1,2,3-Trichlorobenzene	<6.3	ug/L	50.0	6.3	10		04/19/19 12:27	87-61-6	
1,2,3-Trichloropropane	<5.9	ug/L	50.0	5.9	10		04/19/19 12:27	96-18-4	
1,2,4-Trichlorobenzene	<9.5	ug/L	50.0	9.5	10		04/19/19 12:27	120-82-1	
1,2,4-Trimethylbenzene	<8.4	ug/L	28.0	8.4	10		04/19/19 12:27	95-63-6	
1,2-Dibromo-3-chloropropane	<17.6	ug/L	58.8	17.6	10		04/19/19 12:27	96-12-8	
1,2-Dibromoethane (EDB)	<8.3	ug/L	27.6	8.3	10		04/19/19 12:27	106-93-4	
1,2-Dichlorobenzene	<7.1	ug/L	23.5	7.1	10		04/19/19 12:27	95-50-1	
1,2-Dichloroethane	<2.8	ug/L	10.0	2.8	10		04/19/19 12:27	107-06-2	
1,2-Dichloropropane	<2.8	ug/L	10.0	2.8	10		04/19/19 12:27	78-87-5	
1,3,5-Trimethylbenzene	<8.7	ug/L	29.1	8.7	10		04/19/19 12:27	108-67-8	
1,3-Dichlorobenzene	<6.3	ug/L	20.9	6.3	10		04/19/19 12:27	541-73-1	
1,3-Dichloropropane	<8.3	ug/L	27.5	8.3	10		04/19/19 12:27	142-28-9	
1,4-Dichlorobenzene	<9.4	ug/L	31.5	9.4	10		04/19/19 12:27	106-46-7	
2,2-Dichloropropane	<22.7	ug/L	75.5	22.7	10		04/19/19 12:27	594-20-7	
2-Chlorotoluene	<9.3	ug/L	50.0	9.3	10		04/19/19 12:27	95-49-8	
4-Chlorotoluene	<7.6	ug/L	25.2	7.6	10		04/19/19 12:27	106-43-4	
Benzene	<2.5	ug/L	10.0	2.5	10		04/19/19 12:27	71-43-2	
Bromobenzene	<2.4	ug/L	10.0	2.4	10		04/19/19 12:27	108-86-1	
Bromochloromethane	<3.6	ug/L	50.0	3.6	10		04/19/19 12:27	74-97-5	
Bromodichloromethane	<3.6	ug/L	12.1	3.6	10		04/19/19 12:27	75-27-4	
Bromoform	<39.7	ug/L	132	39.7	10		04/19/19 12:27	75-25-2	
Bromomethane	<9.7	ug/L	50.0	9.7	10		04/19/19 12:27	74-83-9	
Carbon tetrachloride	<1.7	ug/L	10.0	1.7	10		04/19/19 12:27	56-23-5	
Chlorobenzene	<7.1	ug/L	23.7	7.1	10		04/19/19 12:27	108-90-7	
Chloroethane	<13.4	ug/L	50.0	13.4	10		04/19/19 12:27	75-00-3	
Chloroform	<12.7	ug/L	50.0	12.7	10		04/19/19 12:27	67-66-3	
Chloromethane	<21.9	ug/L	73.0	21.9	10		04/19/19 12:27	74-87-3	
Dibromochloromethane	<26.0	ug/L	86.7	26.0	10		04/19/19 12:27	124-48-1	
Dibromomethane	<9.4	ug/L	31.2	9.4	10		04/19/19 12:27	74-95-3	
Dichlorodifluoromethane	<5.0	ug/L	50.0	5.0	10		04/19/19 12:27	75-71-8	
Diisopropyl ether	<18.9	ug/L	62.9	18.9	10		04/19/19 12:27	108-20-3	
Ethylbenzene	<2.2	ug/L	10.0	2.2	10		04/19/19 12:27	100-41-4	
Hexachloro-1,3-butadiene	<11.8	ug/L	50.0	11.8	10		04/19/19 12:27	87-68-3	
Isopropylbenzene (Cumene)	<3.9	ug/L	50.0	3.9	10		04/19/19 12:27	98-82-8	
Methyl-tert-butyl ether	<12.5	ug/L	41.5	12.5	10		04/19/19 12:27	1634-04-4	
Methylene Chloride	<5.8	ug/L	50.0	5.8	10		04/19/19 12:27	75-09-2	
Naphthalene	<11.8	ug/L	50.0	11.8	10		04/19/19 12:27	91-20-3	
Styrene	<4.7	ug/L	15.5	4.7	10		04/19/19 12:27	100-42-5	
Tetrachloroethene	<3.3	ug/L	10.9	3.3	10		04/19/19 12:27	127-18-4	

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ANALYTICAL RESULTS

Project: TD P3 2ND QTR GW

Pace Project No.: 40186003

Sample: MW-6 **Lab ID: 40186003003** Collected: 04/16/19 00:00 Received: 04/18/19 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Toluene	<1.7	ug/L	50.0	1.7	10		04/19/19 12:27	108-88-3	
Trichloroethene	<2.6	ug/L	10.0	2.6	10		04/19/19 12:27	79-01-6	
Trichlorofluoromethane	<2.1	ug/L	10.0	2.1	10		04/19/19 12:27	75-69-4	
Vinyl chloride	<1.7	ug/L	10.0	1.7	10		04/19/19 12:27	75-01-4	
cis-1,2-Dichloroethene	<2.7	ug/L	10.0	2.7	10		04/19/19 12:27	156-59-2	
cis-1,3-Dichloropropene	<36.3	ug/L	121	36.3	10		04/19/19 12:27	10061-01-5	
m&p-Xylene	<4.7	ug/L	20.0	4.7	10		04/19/19 12:27	179601-23-1	
n-Butylbenzene	<7.1	ug/L	23.6	7.1	10		04/19/19 12:27	104-51-8	
n-Propylbenzene	<8.1	ug/L	50.0	8.1	10		04/19/19 12:27	103-65-1	
o-Xylene	<2.6	ug/L	10.0	2.6	10		04/19/19 12:27	95-47-6	
p-Isopropyltoluene	<8.0	ug/L	26.7	8.0	10		04/19/19 12:27	99-87-6	
sec-Butylbenzene	<8.5	ug/L	50.0	8.5	10		04/19/19 12:27	135-98-8	
tert-Butylbenzene	<3.0	ug/L	10.1	3.0	10		04/19/19 12:27	98-06-6	
trans-1,2-Dichloroethene	<10.9	ug/L	36.4	10.9	10		04/19/19 12:27	156-60-5	
trans-1,3-Dichloropropene	<43.7	ug/L	146	43.7	10		04/19/19 12:27	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		10		04/19/19 12:27	460-00-4	HS
Dibromofluoromethane (S)	121	%	70-130		10		04/19/19 12:27	1868-53-7	
Toluene-d8 (S)	97	%	70-130		10		04/19/19 12:27	2037-26-5	

Sample: MW-7 **Lab ID: 40186003004** Collected: 04/16/19 00:00 Received: 04/18/19 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		04/19/19 14:19	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/19/19 14:19	71-55-6	
1,1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/19/19 14:19	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/19/19 14:19	79-00-5	
1,1-Dichloroethane	1.9	ug/L	1.0	0.27	1		04/19/19 14:19	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/19/19 14:19	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		04/19/19 14:19	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		04/19/19 14:19	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		04/19/19 14:19	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/19/19 14:19	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		04/19/19 14:19	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		04/19/19 14:19	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		04/19/19 14:19	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		04/19/19 14:19	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/19/19 14:19	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/19/19 14:19	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		04/19/19 14:19	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		04/19/19 14:19	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		04/19/19 14:19	142-28-9	

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ANALYTICAL RESULTS

Project: TD P3 2ND QTR GW

Pace Project No.: 40186003

Sample: MW-7 **Lab ID: 40186003004** Collected: 04/16/19 00:00 Received: 04/18/19 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		04/19/19 14:19	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		04/19/19 14:19	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		04/19/19 14:19	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		04/19/19 14:19	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		04/19/19 14:19	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		04/19/19 14:19	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/19/19 14:19	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/19/19 14:19	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/19/19 14:19	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/19/19 14:19	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		04/19/19 14:19	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/19/19 14:19	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/19/19 14:19	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/19/19 14:19	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/19/19 14:19	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/19/19 14:19	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		04/19/19 14:19	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		04/19/19 14:19	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		04/19/19 14:19	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		04/19/19 14:19	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		04/19/19 14:19	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		04/19/19 14:19	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		04/19/19 14:19	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/19/19 14:19	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		04/19/19 14:19	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		04/19/19 14:19	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/19/19 14:19	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		04/19/19 14:19	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		04/19/19 14:19	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		04/19/19 14:19	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/19/19 14:19	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		04/19/19 14:19	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/19/19 14:19	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		04/19/19 14:19	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		04/19/19 14:19	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		04/19/19 14:19	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		04/19/19 14:19	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		04/19/19 14:19	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		04/19/19 14:19	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		04/19/19 14:19	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		04/19/19 14:19	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/19/19 14:19	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	86	%	70-130		1		04/19/19 14:19	460-00-4	
Dibromofluoromethane (S)	111	%	70-130		1		04/19/19 14:19	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		04/19/19 14:19	2037-26-5	

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ANALYTICAL RESULTS

Project: TD P3 2ND QTR GW
Pace Project No.: 40186003

Sample: MW-9 Lab ID: 40186003005 Collected: 04/16/19 00:00 Received: 04/18/19 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		04/19/19 17:58	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/19/19 17:58	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/19/19 17:58	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/19/19 17:58	79-00-5	
1,1-Dichloroethane	1.4	ug/L	1.0	0.27	1		04/19/19 17:58	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/19/19 17:58	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		04/19/19 17:58	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		04/19/19 17:58	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		04/19/19 17:58	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/19/19 17:58	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		04/19/19 17:58	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		04/19/19 17:58	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		04/19/19 17:58	106-93-4	
1,2-Dichlorobenzene	1.2J	ug/L	2.4	0.71	1		04/19/19 17:58	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/19/19 17:58	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/19/19 17:58	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		04/19/19 17:58	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		04/19/19 17:58	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		04/19/19 17:58	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		04/19/19 17:58	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		04/19/19 17:58	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		04/19/19 17:58	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		04/19/19 17:58	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		04/19/19 17:58	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		04/19/19 17:58	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/19/19 17:58	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/19/19 17:58	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/19/19 17:58	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/19/19 17:58	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		04/19/19 17:58	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/19/19 17:58	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/19/19 17:58	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/19/19 17:58	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/19/19 17:58	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/19/19 17:58	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		04/19/19 17:58	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		04/19/19 17:58	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		04/19/19 17:58	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		04/19/19 17:58	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		04/19/19 17:58	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		04/19/19 17:58	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		04/19/19 17:58	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/19/19 17:58	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		04/19/19 17:58	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		04/19/19 17:58	100-42-5	
Tetrachloroethene	1.4	ug/L	1.1	0.33	1		04/19/19 17:58	127-18-4	

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ANALYTICAL RESULTS

Project: TD P3 2ND QTR GW

Pace Project No.: 40186003

Sample: MW-9 **Lab ID: 40186003005** Collected: 04/16/19 00:00 Received: 04/18/19 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Toluene	<0.17	ug/L	5.0	0.17	1		04/19/19 17:58	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		04/19/19 17:58	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		04/19/19 17:58	75-69-4	
Vinyl chloride	129	ug/L	1.0	0.17	1		04/19/19 17:58	75-01-4	
cis-1,2-Dichloroethene	4.1	ug/L	1.0	0.27	1		04/19/19 17:58	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/19/19 17:58	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		04/19/19 17:58	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		04/19/19 17:58	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		04/19/19 17:58	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		04/19/19 17:58	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		04/19/19 17:58	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		04/19/19 17:58	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		04/19/19 17:58	98-06-6	
trans-1,2-Dichloroethene	3.0J	ug/L	3.6	1.1	1		04/19/19 17:58	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/19/19 17:58	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	70-130		1		04/19/19 17:58	460-00-4	
Dibromofluoromethane (S)	116	%	70-130		1		04/19/19 17:58	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		04/19/19 17:58	2037-26-5	

Sample: MW-10 **Lab ID: 40186003006** Collected: 04/16/19 00:00 Received: 04/18/19 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		04/19/19 19:05	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/19/19 19:05	71-55-6	
1,1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/19/19 19:05	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/19/19 19:05	79-00-5	
1,1-Dichloroethane	1.5	ug/L	1.0	0.27	1		04/19/19 19:05	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/19/19 19:05	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		04/19/19 19:05	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		04/19/19 19:05	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		04/19/19 19:05	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/19/19 19:05	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		04/19/19 19:05	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		04/19/19 19:05	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		04/19/19 19:05	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		04/19/19 19:05	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/19/19 19:05	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/19/19 19:05	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		04/19/19 19:05	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		04/19/19 19:05	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		04/19/19 19:05	142-28-9	

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ANALYTICAL RESULTS

Project: TD P3 2ND QTR GW

Pace Project No.: 40186003

Sample: MW-10 **Lab ID: 40186003006** Collected: 04/16/19 00:00 Received: 04/18/19 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		04/19/19 19:05	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		04/19/19 19:05	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		04/19/19 19:05	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		04/19/19 19:05	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		04/19/19 19:05	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		04/19/19 19:05	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/19/19 19:05	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/19/19 19:05	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/19/19 19:05	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/19/19 19:05	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		04/19/19 19:05	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/19/19 19:05	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/19/19 19:05	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/19/19 19:05	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/19/19 19:05	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/19/19 19:05	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		04/19/19 19:05	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		04/19/19 19:05	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		04/19/19 19:05	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		04/19/19 19:05	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		04/19/19 19:05	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		04/19/19 19:05	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		04/19/19 19:05	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/19/19 19:05	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		04/19/19 19:05	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		04/19/19 19:05	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/19/19 19:05	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		04/19/19 19:05	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		04/19/19 19:05	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		04/19/19 19:05	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/19/19 19:05	75-01-4	
cis-1,2-Dichloroethene	0.85J	ug/L	1.0	0.27	1		04/19/19 19:05	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/19/19 19:05	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		04/19/19 19:05	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		04/19/19 19:05	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		04/19/19 19:05	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		04/19/19 19:05	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		04/19/19 19:05	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		04/19/19 19:05	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		04/19/19 19:05	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		04/19/19 19:05	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/19/19 19:05	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	70-130		1		04/19/19 19:05	460-00-4	
Dibromofluoromethane (S)	117	%	70-130		1		04/19/19 19:05	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		04/19/19 19:05	2037-26-5	

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ANALYTICAL RESULTS

Project: TD P3 2ND QTR GW
Pace Project No.: 40186003

Sample: MW-17 Lab ID: 40186003007 Collected: 04/16/19 00:00 Received: 04/18/19 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		04/19/19 10:35	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/19/19 10:35	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/19/19 10:35	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/19/19 10:35	79-00-5	
1,1-Dichloroethane	0.43J	ug/L	1.0	0.27	1		04/19/19 10:35	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/19/19 10:35	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		04/19/19 10:35	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		04/19/19 10:35	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		04/19/19 10:35	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/19/19 10:35	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		04/19/19 10:35	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		04/19/19 10:35	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		04/19/19 10:35	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		04/19/19 10:35	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/19/19 10:35	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/19/19 10:35	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		04/19/19 10:35	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		04/19/19 10:35	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		04/19/19 10:35	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		04/19/19 10:35	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		04/19/19 10:35	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		04/19/19 10:35	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		04/19/19 10:35	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		04/19/19 10:35	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		04/19/19 10:35	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/19/19 10:35	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/19/19 10:35	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/19/19 10:35	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/19/19 10:35	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		04/19/19 10:35	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/19/19 10:35	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/19/19 10:35	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/19/19 10:35	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/19/19 10:35	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/19/19 10:35	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		04/19/19 10:35	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		04/19/19 10:35	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		04/19/19 10:35	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		04/19/19 10:35	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		04/19/19 10:35	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		04/19/19 10:35	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		04/19/19 10:35	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/19/19 10:35	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		04/19/19 10:35	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		04/19/19 10:35	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/19/19 10:35	127-18-4	

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ANALYTICAL RESULTS

Project: TD P3 2ND QTR GW
Pace Project No.: 40186003

Sample: MW-17 **Lab ID: 40186003007** Collected: 04/16/19 00:00 Received: 04/18/19 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Toluene	<0.17	ug/L	5.0	0.17	1		04/19/19 10:35	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		04/19/19 10:35	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		04/19/19 10:35	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/19/19 10:35	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		04/19/19 10:35	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/19/19 10:35	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		04/19/19 10:35	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		04/19/19 10:35	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		04/19/19 10:35	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		04/19/19 10:35	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		04/19/19 10:35	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		04/19/19 10:35	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		04/19/19 10:35	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		04/19/19 10:35	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/19/19 10:35	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		04/19/19 10:35	460-00-4	
Dibromofluoromethane (S)	119	%	70-130		1		04/19/19 10:35	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		04/19/19 10:35	2037-26-5	

Sample: MW-18 **Lab ID: 40186003008** Collected: 04/16/19 00:00 Received: 04/18/19 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.67	ug/L	2.5	0.67	2.5		04/19/19 17:13	630-20-6	
1,1,1-Trichloroethane	<0.61	ug/L	2.5	0.61	2.5		04/19/19 17:13	71-55-6	
1,1,1,2,2-Tetrachloroethane	<0.69	ug/L	2.5	0.69	2.5		04/19/19 17:13	79-34-5	
1,1,2-Trichloroethane	<1.4	ug/L	12.5	1.4	2.5		04/19/19 17:13	79-00-5	
1,1-Dichloroethane	<0.68	ug/L	2.5	0.68	2.5		04/19/19 17:13	75-34-3	
1,1-Dichloroethene	<0.61	ug/L	2.5	0.61	2.5		04/19/19 17:13	75-35-4	
1,1-Dichloropropene	<1.4	ug/L	4.5	1.4	2.5		04/19/19 17:13	563-58-6	
1,2,3-Trichlorobenzene	<1.6	ug/L	12.5	1.6	2.5		04/19/19 17:13	87-61-6	
1,2,3-Trichloropropane	<1.5	ug/L	12.5	1.5	2.5		04/19/19 17:13	96-18-4	
1,2,4-Trichlorobenzene	<2.4	ug/L	12.5	2.4	2.5		04/19/19 17:13	120-82-1	
1,2,4-Trimethylbenzene	<2.1	ug/L	7.0	2.1	2.5		04/19/19 17:13	95-63-6	
1,2-Dibromo-3-chloropropane	<4.4	ug/L	14.7	4.4	2.5		04/19/19 17:13	96-12-8	
1,2-Dibromoethane (EDB)	<2.1	ug/L	6.9	2.1	2.5		04/19/19 17:13	106-93-4	
1,2-Dichlorobenzene	<1.8	ug/L	5.9	1.8	2.5		04/19/19 17:13	95-50-1	
1,2-Dichloroethane	<0.70	ug/L	2.5	0.70	2.5		04/19/19 17:13	107-06-2	
1,2-Dichloropropane	<0.71	ug/L	2.5	0.71	2.5		04/19/19 17:13	78-87-5	
1,3,5-Trimethylbenzene	<2.2	ug/L	7.3	2.2	2.5		04/19/19 17:13	108-67-8	
1,3-Dichlorobenzene	<1.6	ug/L	5.2	1.6	2.5		04/19/19 17:13	541-73-1	
1,3-Dichloropropane	<2.1	ug/L	6.9	2.1	2.5		04/19/19 17:13	142-28-9	

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ANALYTICAL RESULTS

Project: TD P3 2ND QTR GW

Pace Project No.: 40186003

Sample: MW-18 **Lab ID: 40186003008** Collected: 04/16/19 00:00 Received: 04/18/19 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,4-Dichlorobenzene	<2.4	ug/L	7.9	2.4	2.5		04/19/19 17:13	106-46-7	
2,2-Dichloropropane	<5.7	ug/L	18.9	5.7	2.5		04/19/19 17:13	594-20-7	
2-Chlorotoluene	<2.3	ug/L	12.5	2.3	2.5		04/19/19 17:13	95-49-8	
4-Chlorotoluene	<1.9	ug/L	6.3	1.9	2.5		04/19/19 17:13	106-43-4	
Benzene	<0.62	ug/L	2.5	0.62	2.5		04/19/19 17:13	71-43-2	
Bromobenzene	<0.60	ug/L	2.5	0.60	2.5		04/19/19 17:13	108-86-1	
Bromochloromethane	<0.91	ug/L	12.5	0.91	2.5		04/19/19 17:13	74-97-5	
Bromodichloromethane	<0.91	ug/L	3.0	0.91	2.5		04/19/19 17:13	75-27-4	
Bromoform	<9.9	ug/L	33.1	9.9	2.5		04/19/19 17:13	75-25-2	
Bromomethane	<2.4	ug/L	12.5	2.4	2.5		04/19/19 17:13	74-83-9	
Carbon tetrachloride	<0.41	ug/L	2.5	0.41	2.5		04/19/19 17:13	56-23-5	
Chlorobenzene	<1.8	ug/L	5.9	1.8	2.5		04/19/19 17:13	108-90-7	
Chloroethane	<3.4	ug/L	12.5	3.4	2.5		04/19/19 17:13	75-00-3	
Chloroform	<3.2	ug/L	12.5	3.2	2.5		04/19/19 17:13	67-66-3	
Chloromethane	<5.5	ug/L	18.2	5.5	2.5		04/19/19 17:13	74-87-3	
Dibromochloromethane	<6.5	ug/L	21.7	6.5	2.5		04/19/19 17:13	124-48-1	
Dibromomethane	<2.3	ug/L	7.8	2.3	2.5		04/19/19 17:13	74-95-3	
Dichlorodifluoromethane	<1.2	ug/L	12.5	1.2	2.5		04/19/19 17:13	75-71-8	
Diisopropyl ether	<4.7	ug/L	15.7	4.7	2.5		04/19/19 17:13	108-20-3	
Ethylbenzene	<0.55	ug/L	2.5	0.55	2.5		04/19/19 17:13	100-41-4	
Hexachloro-1,3-butadiene	<3.0	ug/L	12.5	3.0	2.5		04/19/19 17:13	87-68-3	
Isopropylbenzene (Cumene)	<0.98	ug/L	12.5	0.98	2.5		04/19/19 17:13	98-82-8	
Methyl-tert-butyl ether	<3.1	ug/L	10.4	3.1	2.5		04/19/19 17:13	1634-04-4	
Methylene Chloride	<1.5	ug/L	12.5	1.5	2.5		04/19/19 17:13	75-09-2	
Naphthalene	<2.9	ug/L	12.5	2.9	2.5		04/19/19 17:13	91-20-3	
Styrene	<1.2	ug/L	3.9	1.2	2.5		04/19/19 17:13	100-42-5	
Tetrachloroethene	<0.82	ug/L	2.7	0.82	2.5		04/19/19 17:13	127-18-4	
Toluene	<0.43	ug/L	12.5	0.43	2.5		04/19/19 17:13	108-88-3	
Trichloroethene	<0.64	ug/L	2.5	0.64	2.5		04/19/19 17:13	79-01-6	
Trichlorofluoromethane	<0.54	ug/L	2.5	0.54	2.5		04/19/19 17:13	75-69-4	
Vinyl chloride	<0.44	ug/L	2.5	0.44	2.5		04/19/19 17:13	75-01-4	
cis-1,2-Dichloroethene	<0.68	ug/L	2.5	0.68	2.5		04/19/19 17:13	156-59-2	
cis-1,3-Dichloropropene	<9.1	ug/L	30.2	9.1	2.5		04/19/19 17:13	10061-01-5	
m&p-Xylene	<1.2	ug/L	5.0	1.2	2.5		04/19/19 17:13	179601-23-1	
n-Butylbenzene	<1.8	ug/L	5.9	1.8	2.5		04/19/19 17:13	104-51-8	
n-Propylbenzene	<2.0	ug/L	12.5	2.0	2.5		04/19/19 17:13	103-65-1	
o-Xylene	<0.65	ug/L	2.5	0.65	2.5		04/19/19 17:13	95-47-6	
p-Isopropyltoluene	<2.0	ug/L	6.7	2.0	2.5		04/19/19 17:13	99-87-6	
sec-Butylbenzene	<2.1	ug/L	12.5	2.1	2.5		04/19/19 17:13	135-98-8	
tert-Butylbenzene	<0.76	ug/L	2.5	0.76	2.5		04/19/19 17:13	98-06-6	
trans-1,2-Dichloroethene	<2.7	ug/L	9.1	2.7	2.5		04/19/19 17:13	156-60-5	
trans-1,3-Dichloropropene	<10.9	ug/L	36.4	10.9	2.5		04/19/19 17:13	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		2.5		04/19/19 17:13	460-00-4	D3
Dibromofluoromethane (S)	120	%	70-130		2.5		04/19/19 17:13	1868-53-7	
Toluene-d8 (S)	97	%	70-130		2.5		04/19/19 17:13	2037-26-5	

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ANALYTICAL RESULTS

Project: TD P3 2ND QTR GW

Pace Project No.: 40186003

Sample: MW-20 Lab ID: 40186003009 Collected: 04/16/19 00:00 Received: 04/18/19 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<1.3	ug/L	5.0	1.3	5		04/19/19 12:50	630-20-6	
1,1,1-Trichloroethane	<1.2	ug/L	5.0	1.2	5		04/19/19 12:50	71-55-6	
1,1,2,2-Tetrachloroethane	<1.4	ug/L	5.0	1.4	5		04/19/19 12:50	79-34-5	
1,1,2-Trichloroethane	<2.8	ug/L	25.0	2.8	5		04/19/19 12:50	79-00-5	
1,1-Dichloroethane	<1.4	ug/L	5.0	1.4	5		04/19/19 12:50	75-34-3	
1,1-Dichloroethene	<1.2	ug/L	5.0	1.2	5		04/19/19 12:50	75-35-4	
1,1-Dichloropropene	<2.7	ug/L	9.0	2.7	5		04/19/19 12:50	563-58-6	
1,2,3-Trichlorobenzene	<3.1	ug/L	25.0	3.1	5		04/19/19 12:50	87-61-6	
1,2,3-Trichloropropane	<3.0	ug/L	25.0	3.0	5		04/19/19 12:50	96-18-4	
1,2,4-Trichlorobenzene	<4.8	ug/L	25.0	4.8	5		04/19/19 12:50	120-82-1	
1,2,4-Trimethylbenzene	<4.2	ug/L	14.0	4.2	5		04/19/19 12:50	95-63-6	
1,2-Dibromo-3-chloropropane	<8.8	ug/L	29.4	8.8	5		04/19/19 12:50	96-12-8	
1,2-Dibromoethane (EDB)	<4.1	ug/L	13.8	4.1	5		04/19/19 12:50	106-93-4	
1,2-Dichlorobenzene	<3.5	ug/L	11.8	3.5	5		04/19/19 12:50	95-50-1	
1,2-Dichloroethane	<1.4	ug/L	5.0	1.4	5		04/19/19 12:50	107-06-2	
1,2-Dichloropropane	<1.4	ug/L	5.0	1.4	5		04/19/19 12:50	78-87-5	
1,3,5-Trimethylbenzene	<4.4	ug/L	14.6	4.4	5		04/19/19 12:50	108-67-8	
1,3-Dichlorobenzene	<3.1	ug/L	10.5	3.1	5		04/19/19 12:50	541-73-1	
1,3-Dichloropropane	<4.1	ug/L	13.8	4.1	5		04/19/19 12:50	142-28-9	
1,4-Dichlorobenzene	<4.7	ug/L	15.7	4.7	5		04/19/19 12:50	106-46-7	
2,2-Dichloropropane	<11.3	ug/L	37.8	11.3	5		04/19/19 12:50	594-20-7	
2-Chlorotoluene	<4.6	ug/L	25.0	4.6	5		04/19/19 12:50	95-49-8	
4-Chlorotoluene	<3.8	ug/L	12.6	3.8	5		04/19/19 12:50	106-43-4	
Benzene	<1.2	ug/L	5.0	1.2	5		04/19/19 12:50	71-43-2	
Bromobenzene	<1.2	ug/L	5.0	1.2	5		04/19/19 12:50	108-86-1	
Bromochloromethane	<1.8	ug/L	25.0	1.8	5		04/19/19 12:50	74-97-5	
Bromodichloromethane	<1.8	ug/L	6.1	1.8	5		04/19/19 12:50	75-27-4	
Bromoform	<19.9	ug/L	66.2	19.9	5		04/19/19 12:50	75-25-2	
Bromomethane	<4.9	ug/L	25.0	4.9	5		04/19/19 12:50	74-83-9	
Carbon tetrachloride	<0.83	ug/L	5.0	0.83	5		04/19/19 12:50	56-23-5	
Chlorobenzene	<3.6	ug/L	11.8	3.6	5		04/19/19 12:50	108-90-7	
Chloroethane	<6.7	ug/L	25.0	6.7	5		04/19/19 12:50	75-00-3	
Chloroform	<6.4	ug/L	25.0	6.4	5		04/19/19 12:50	67-66-3	
Chloromethane	<10.9	ug/L	36.5	10.9	5		04/19/19 12:50	74-87-3	
Dibromochloromethane	<13.0	ug/L	43.4	13.0	5		04/19/19 12:50	124-48-1	
Dibromomethane	<4.7	ug/L	15.6	4.7	5		04/19/19 12:50	74-95-3	
Dichlorodifluoromethane	<2.5	ug/L	25.0	2.5	5		04/19/19 12:50	75-71-8	
Diisopropyl ether	<9.4	ug/L	31.5	9.4	5		04/19/19 12:50	108-20-3	
Ethylbenzene	<1.1	ug/L	5.0	1.1	5		04/19/19 12:50	100-41-4	
Hexachloro-1,3-butadiene	<5.9	ug/L	25.0	5.9	5		04/19/19 12:50	87-68-3	
Isopropylbenzene (Cumene)	<2.0	ug/L	25.0	2.0	5		04/19/19 12:50	98-82-8	
Methyl-tert-butyl ether	<6.2	ug/L	20.8	6.2	5		04/19/19 12:50	1634-04-4	
Methylene Chloride	<2.9	ug/L	25.0	2.9	5		04/19/19 12:50	75-09-2	
Naphthalene	<5.9	ug/L	25.0	5.9	5		04/19/19 12:50	91-20-3	
Styrene	<2.3	ug/L	7.8	2.3	5		04/19/19 12:50	100-42-5	
Tetrachloroethene	<1.6	ug/L	5.4	1.6	5		04/19/19 12:50	127-18-4	

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ANALYTICAL RESULTS

Project: TD P3 2ND QTR GW

Pace Project No.: 40186003

Sample: MW-20 Lab ID: 40186003009 Collected: 04/16/19 00:00 Received: 04/18/19 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Toluene	<0.86	ug/L	25.0	0.86	5		04/19/19 12:50	108-88-3	
Trichloroethene	<1.3	ug/L	5.0	1.3	5		04/19/19 12:50	79-01-6	
Trichlorofluoromethane	<1.1	ug/L	5.0	1.1	5		04/19/19 12:50	75-69-4	
Vinyl chloride	<0.87	ug/L	5.0	0.87	5		04/19/19 12:50	75-01-4	
cis-1,2-Dichloroethene	<1.4	ug/L	5.0	1.4	5		04/19/19 12:50	156-59-2	
cis-1,3-Dichloropropene	<18.1	ug/L	60.5	18.1	5		04/19/19 12:50	10061-01-5	
m&p-Xylene	<2.3	ug/L	10.0	2.3	5		04/19/19 12:50	179601-23-1	
n-Butylbenzene	<3.5	ug/L	11.8	3.5	5		04/19/19 12:50	104-51-8	
n-Propylbenzene	<4.1	ug/L	25.0	4.1	5		04/19/19 12:50	103-65-1	
o-Xylene	<1.3	ug/L	5.0	1.3	5		04/19/19 12:50	95-47-6	
p-Isopropyltoluene	<4.0	ug/L	13.3	4.0	5		04/19/19 12:50	99-87-6	
sec-Butylbenzene	<4.2	ug/L	25.0	4.2	5		04/19/19 12:50	135-98-8	
tert-Butylbenzene	<1.5	ug/L	5.1	1.5	5		04/19/19 12:50	98-06-6	
trans-1,2-Dichloroethene	<5.5	ug/L	18.2	5.5	5		04/19/19 12:50	156-60-5	
trans-1,3-Dichloropropene	<21.9	ug/L	72.8	21.9	5		04/19/19 12:50	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	70-130		5		04/19/19 12:50	460-00-4	D3
Dibromofluoromethane (S)	112	%	70-130		5		04/19/19 12:50	1868-53-7	
Toluene-d8 (S)	94	%	70-130		5		04/19/19 12:50	2037-26-5	

Sample: MW-21 Lab ID: 40186003010 Collected: 04/16/19 00:00 Received: 04/18/19 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.67	ug/L	2.5	0.67	2.5		04/19/19 17:36	630-20-6	
1,1,1-Trichloroethane	<0.61	ug/L	2.5	0.61	2.5		04/19/19 17:36	71-55-6	
1,1,1,2,2-Tetrachloroethane	<0.69	ug/L	2.5	0.69	2.5		04/19/19 17:36	79-34-5	
1,1,2-Trichloroethane	<1.4	ug/L	12.5	1.4	2.5		04/19/19 17:36	79-00-5	
1,1-Dichloroethane	1.5J	ug/L	2.5	0.68	2.5		04/19/19 17:36	75-34-3	
1,1-Dichloroethene	<0.61	ug/L	2.5	0.61	2.5		04/19/19 17:36	75-35-4	
1,1-Dichloropropene	<1.4	ug/L	4.5	1.4	2.5		04/19/19 17:36	563-58-6	
1,2,3-Trichlorobenzene	<1.6	ug/L	12.5	1.6	2.5		04/19/19 17:36	87-61-6	
1,2,3-Trichloropropane	<1.5	ug/L	12.5	1.5	2.5		04/19/19 17:36	96-18-4	
1,2,4-Trichlorobenzene	<2.4	ug/L	12.5	2.4	2.5		04/19/19 17:36	120-82-1	
1,2,4-Trimethylbenzene	<2.1	ug/L	7.0	2.1	2.5		04/19/19 17:36	95-63-6	
1,2-Dibromo-3-chloropropane	<4.4	ug/L	14.7	4.4	2.5		04/19/19 17:36	96-12-8	
1,2-Dibromoethane (EDB)	<2.1	ug/L	6.9	2.1	2.5		04/19/19 17:36	106-93-4	
1,2-Dichlorobenzene	<1.8	ug/L	5.9	1.8	2.5		04/19/19 17:36	95-50-1	
1,2-Dichloroethane	<0.70	ug/L	2.5	0.70	2.5		04/19/19 17:36	107-06-2	
1,2-Dichloropropane	<0.71	ug/L	2.5	0.71	2.5		04/19/19 17:36	78-87-5	
1,3,5-Trimethylbenzene	<2.2	ug/L	7.3	2.2	2.5		04/19/19 17:36	108-67-8	
1,3-Dichlorobenzene	<1.6	ug/L	5.2	1.6	2.5		04/19/19 17:36	541-73-1	
1,3-Dichloropropane	<2.1	ug/L	6.9	2.1	2.5		04/19/19 17:36	142-28-9	

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ANALYTICAL RESULTS

Project: TD P3 2ND QTR GW

Pace Project No.: 40186003

Sample: MW-21 **Lab ID: 40186003010** Collected: 04/16/19 00:00 Received: 04/18/19 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,4-Dichlorobenzene	<2.4	ug/L	7.9	2.4	2.5		04/19/19 17:36	106-46-7	
2,2-Dichloropropane	<5.7	ug/L	18.9	5.7	2.5		04/19/19 17:36	594-20-7	
2-Chlorotoluene	<2.3	ug/L	12.5	2.3	2.5		04/19/19 17:36	95-49-8	
4-Chlorotoluene	<1.9	ug/L	6.3	1.9	2.5		04/19/19 17:36	106-43-4	
Benzene	<0.62	ug/L	2.5	0.62	2.5		04/19/19 17:36	71-43-2	
Bromobenzene	<0.60	ug/L	2.5	0.60	2.5		04/19/19 17:36	108-86-1	
Bromochloromethane	<0.91	ug/L	12.5	0.91	2.5		04/19/19 17:36	74-97-5	
Bromodichloromethane	<0.91	ug/L	3.0	0.91	2.5		04/19/19 17:36	75-27-4	
Bromoform	<9.9	ug/L	33.1	9.9	2.5		04/19/19 17:36	75-25-2	
Bromomethane	<2.4	ug/L	12.5	2.4	2.5		04/19/19 17:36	74-83-9	
Carbon tetrachloride	<0.41	ug/L	2.5	0.41	2.5		04/19/19 17:36	56-23-5	
Chlorobenzene	<1.8	ug/L	5.9	1.8	2.5		04/19/19 17:36	108-90-7	
Chloroethane	<3.4	ug/L	12.5	3.4	2.5		04/19/19 17:36	75-00-3	
Chloroform	<3.2	ug/L	12.5	3.2	2.5		04/19/19 17:36	67-66-3	
Chloromethane	<5.5	ug/L	18.2	5.5	2.5		04/19/19 17:36	74-87-3	
Dibromochloromethane	<6.5	ug/L	21.7	6.5	2.5		04/19/19 17:36	124-48-1	
Dibromomethane	<2.3	ug/L	7.8	2.3	2.5		04/19/19 17:36	74-95-3	
Dichlorodifluoromethane	<1.2	ug/L	12.5	1.2	2.5		04/19/19 17:36	75-71-8	
Diisopropyl ether	<4.7	ug/L	15.7	4.7	2.5		04/19/19 17:36	108-20-3	
Ethylbenzene	<0.55	ug/L	2.5	0.55	2.5		04/19/19 17:36	100-41-4	
Hexachloro-1,3-butadiene	<3.0	ug/L	12.5	3.0	2.5		04/19/19 17:36	87-68-3	
Isopropylbenzene (Cumene)	<0.98	ug/L	12.5	0.98	2.5		04/19/19 17:36	98-82-8	
Methyl-tert-butyl ether	<3.1	ug/L	10.4	3.1	2.5		04/19/19 17:36	1634-04-4	
Methylene Chloride	<1.5	ug/L	12.5	1.5	2.5		04/19/19 17:36	75-09-2	
Naphthalene	<2.9	ug/L	12.5	2.9	2.5		04/19/19 17:36	91-20-3	
Styrene	<1.2	ug/L	3.9	1.2	2.5		04/19/19 17:36	100-42-5	
Tetrachloroethene	<0.82	ug/L	2.7	0.82	2.5		04/19/19 17:36	127-18-4	
Toluene	<0.43	ug/L	12.5	0.43	2.5		04/19/19 17:36	108-88-3	
Trichloroethene	<0.64	ug/L	2.5	0.64	2.5		04/19/19 17:36	79-01-6	
Trichlorofluoromethane	<0.54	ug/L	2.5	0.54	2.5		04/19/19 17:36	75-69-4	
Vinyl chloride	<0.44	ug/L	2.5	0.44	2.5		04/19/19 17:36	75-01-4	
cis-1,2-Dichloroethene	<0.68	ug/L	2.5	0.68	2.5		04/19/19 17:36	156-59-2	
cis-1,3-Dichloropropene	<9.1	ug/L	30.2	9.1	2.5		04/19/19 17:36	10061-01-5	
m&p-Xylene	<1.2	ug/L	5.0	1.2	2.5		04/19/19 17:36	179601-23-1	
n-Butylbenzene	<1.8	ug/L	5.9	1.8	2.5		04/19/19 17:36	104-51-8	
n-Propylbenzene	<2.0	ug/L	12.5	2.0	2.5		04/19/19 17:36	103-65-1	
o-Xylene	<0.65	ug/L	2.5	0.65	2.5		04/19/19 17:36	95-47-6	
p-Isopropyltoluene	<2.0	ug/L	6.7	2.0	2.5		04/19/19 17:36	99-87-6	
sec-Butylbenzene	<2.1	ug/L	12.5	2.1	2.5		04/19/19 17:36	135-98-8	
tert-Butylbenzene	<0.76	ug/L	2.5	0.76	2.5		04/19/19 17:36	98-06-6	
trans-1,2-Dichloroethene	<2.7	ug/L	9.1	2.7	2.5		04/19/19 17:36	156-60-5	
trans-1,3-Dichloropropene	<10.9	ug/L	36.4	10.9	2.5		04/19/19 17:36	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	85	%	70-130		2.5		04/19/19 17:36	460-00-4	D3
Dibromofluoromethane (S)	114	%	70-130		2.5		04/19/19 17:36	1868-53-7	
Toluene-d8 (S)	97	%	70-130		2.5		04/19/19 17:36	2037-26-5	

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ANALYTICAL RESULTS

Project: TD P3 2ND QTR GW

Pace Project No.: 40186003

Sample: **MW-22** Lab ID: **40186003011** Collected: 04/16/19 00:00 Received: 04/18/19 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		04/22/19 07:15	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/22/19 07:15	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/22/19 07:15	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/22/19 07:15	79-00-5	
1,1-Dichloroethane	0.69J	ug/L	1.0	0.27	1		04/22/19 07:15	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/22/19 07:15	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		04/22/19 07:15	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		04/22/19 07:15	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		04/22/19 07:15	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/22/19 07:15	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		04/22/19 07:15	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		04/22/19 07:15	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		04/22/19 07:15	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		04/22/19 07:15	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/22/19 07:15	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/22/19 07:15	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		04/22/19 07:15	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		04/22/19 07:15	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		04/22/19 07:15	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		04/22/19 07:15	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		04/22/19 07:15	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		04/22/19 07:15	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		04/22/19 07:15	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		04/22/19 07:15	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		04/22/19 07:15	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/22/19 07:15	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/22/19 07:15	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/22/19 07:15	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/22/19 07:15	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		04/22/19 07:15	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/22/19 07:15	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/22/19 07:15	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/22/19 07:15	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/22/19 07:15	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/22/19 07:15	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		04/22/19 07:15	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		04/22/19 07:15	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		04/22/19 07:15	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		04/22/19 07:15	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		04/22/19 07:15	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		04/22/19 07:15	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		04/22/19 07:15	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/22/19 07:15	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		04/22/19 07:15	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		04/22/19 07:15	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/22/19 07:15	127-18-4	

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ANALYTICAL RESULTS

Project: TD P3 2ND QTR GW

Pace Project No.: 40186003

Sample: MW-22 **Lab ID: 40186003011** Collected: 04/16/19 00:00 Received: 04/18/19 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Toluene	<0.17	ug/L	5.0	0.17	1		04/22/19 07:15	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		04/22/19 07:15	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		04/22/19 07:15	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/22/19 07:15	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		04/22/19 07:15	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/22/19 07:15	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		04/22/19 07:15	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		04/22/19 07:15	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		04/22/19 07:15	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		04/22/19 07:15	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		04/22/19 07:15	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		04/22/19 07:15	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		04/22/19 07:15	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		04/22/19 07:15	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/22/19 07:15	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	70-130		1		04/22/19 07:15	460-00-4	
Dibromofluoromethane (S)	116	%	70-130		1		04/22/19 07:15	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		04/22/19 07:15	2037-26-5	

Sample: MW-23 **Lab ID: 40186003012** Collected: 04/16/19 00:00 Received: 04/18/19 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		04/19/19 18:43	630-20-6	
1,1,1-Trichloroethane	0.54J	ug/L	1.0	0.24	1		04/19/19 18:43	71-55-6	
1,1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/19/19 18:43	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/19/19 18:43	79-00-5	
1,1-Dichloroethane	2.9	ug/L	1.0	0.27	1		04/19/19 18:43	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/19/19 18:43	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		04/19/19 18:43	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		04/19/19 18:43	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		04/19/19 18:43	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/19/19 18:43	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		04/19/19 18:43	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		04/19/19 18:43	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		04/19/19 18:43	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		04/19/19 18:43	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/19/19 18:43	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/19/19 18:43	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		04/19/19 18:43	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		04/19/19 18:43	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		04/19/19 18:43	142-28-9	

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ANALYTICAL RESULTS

Project: TD P3 2ND QTR GW

Pace Project No.: 40186003

Sample: MW-23 **Lab ID: 40186003012** Collected: 04/16/19 00:00 Received: 04/18/19 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		04/19/19 18:43	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		04/19/19 18:43	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		04/19/19 18:43	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		04/19/19 18:43	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		04/19/19 18:43	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		04/19/19 18:43	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/19/19 18:43	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/19/19 18:43	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/19/19 18:43	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/19/19 18:43	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		04/19/19 18:43	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/19/19 18:43	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/19/19 18:43	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/19/19 18:43	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/19/19 18:43	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/19/19 18:43	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		04/19/19 18:43	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		04/19/19 18:43	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		04/19/19 18:43	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		04/19/19 18:43	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		04/19/19 18:43	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		04/19/19 18:43	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		04/19/19 18:43	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/19/19 18:43	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		04/19/19 18:43	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		04/19/19 18:43	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/19/19 18:43	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		04/19/19 18:43	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		04/19/19 18:43	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		04/19/19 18:43	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/19/19 18:43	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		04/19/19 18:43	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/19/19 18:43	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		04/19/19 18:43	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		04/19/19 18:43	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		04/19/19 18:43	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		04/19/19 18:43	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		04/19/19 18:43	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		04/19/19 18:43	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		04/19/19 18:43	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		04/19/19 18:43	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/19/19 18:43	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		04/19/19 18:43	460-00-4	
Dibromofluoromethane (S)	116	%	70-130		1		04/19/19 18:43	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		04/19/19 18:43	2037-26-5	

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ANALYTICAL RESULTS

Project: TD P3 2ND QTR GW

Pace Project No.: 40186003

Sample: **MW-24** Lab ID: **40186003013** Collected: 04/16/19 00:00 Received: 04/18/19 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<1.1	ug/L	4.0	1.1	4		04/19/19 13:57	630-20-6	
1,1,1-Trichloroethane	29.0	ug/L	4.0	0.98	4		04/19/19 13:57	71-55-6	
1,1,2,2-Tetrachloroethane	<1.1	ug/L	4.0	1.1	4		04/19/19 13:57	79-34-5	
1,1,2-Trichloroethane	<2.2	ug/L	20.0	2.2	4		04/19/19 13:57	79-00-5	
1,1-Dichloroethane	271	ug/L	4.0	1.1	4		04/19/19 13:57	75-34-3	
1,1-Dichloroethene	<0.98	ug/L	4.0	0.98	4		04/19/19 13:57	75-35-4	
1,1-Dichloropropene	<2.2	ug/L	7.2	2.2	4		04/19/19 13:57	563-58-6	
1,2,3-Trichlorobenzene	<2.5	ug/L	20.0	2.5	4		04/19/19 13:57	87-61-6	
1,2,3-Trichloropropane	<2.4	ug/L	20.0	2.4	4		04/19/19 13:57	96-18-4	
1,2,4-Trichlorobenzene	<3.8	ug/L	20.0	3.8	4		04/19/19 13:57	120-82-1	
1,2,4-Trimethylbenzene	<3.4	ug/L	11.2	3.4	4		04/19/19 13:57	95-63-6	
1,2-Dibromo-3-chloropropane	<7.1	ug/L	23.5	7.1	4		04/19/19 13:57	96-12-8	
1,2-Dibromoethane (EDB)	<3.3	ug/L	11.1	3.3	4		04/19/19 13:57	106-93-4	
1,2-Dichlorobenzene	<2.8	ug/L	9.4	2.8	4		04/19/19 13:57	95-50-1	
1,2-Dichloroethane	<1.1	ug/L	4.0	1.1	4		04/19/19 13:57	107-06-2	
1,2-Dichloropropane	<1.1	ug/L	4.0	1.1	4		04/19/19 13:57	78-87-5	
1,3,5-Trimethylbenzene	<3.5	ug/L	11.6	3.5	4		04/19/19 13:57	108-67-8	
1,3-Dichlorobenzene	<2.5	ug/L	8.4	2.5	4		04/19/19 13:57	541-73-1	
1,3-Dichloropropane	<3.3	ug/L	11.0	3.3	4		04/19/19 13:57	142-28-9	
1,4-Dichlorobenzene	<3.8	ug/L	12.6	3.8	4		04/19/19 13:57	106-46-7	
2,2-Dichloropropane	<9.1	ug/L	30.2	9.1	4		04/19/19 13:57	594-20-7	
2-Chlorotoluene	<3.7	ug/L	20.0	3.7	4		04/19/19 13:57	95-49-8	
4-Chlorotoluene	<3.0	ug/L	10.1	3.0	4		04/19/19 13:57	106-43-4	
Benzene	<0.99	ug/L	4.0	0.99	4		04/19/19 13:57	71-43-2	
Bromobenzene	<0.96	ug/L	4.0	0.96	4		04/19/19 13:57	108-86-1	
Bromochloromethane	<1.4	ug/L	20.0	1.4	4		04/19/19 13:57	74-97-5	
Bromodichloromethane	<1.5	ug/L	4.8	1.5	4		04/19/19 13:57	75-27-4	
Bromoform	<15.9	ug/L	53.0	15.9	4		04/19/19 13:57	75-25-2	
Bromomethane	<3.9	ug/L	20.0	3.9	4		04/19/19 13:57	74-83-9	
Carbon tetrachloride	<0.66	ug/L	4.0	0.66	4		04/19/19 13:57	56-23-5	
Chlorobenzene	<2.8	ug/L	9.5	2.8	4		04/19/19 13:57	108-90-7	
Chloroethane	9.2J	ug/L	20.0	5.4	4		04/19/19 13:57	75-00-3	
Chloroform	<5.1	ug/L	20.0	5.1	4		04/19/19 13:57	67-66-3	
Chloromethane	<8.8	ug/L	29.2	8.8	4		04/19/19 13:57	74-87-3	
Dibromochloromethane	<10.4	ug/L	34.7	10.4	4		04/19/19 13:57	124-48-1	
Dibromomethane	<3.7	ug/L	12.5	3.7	4		04/19/19 13:57	74-95-3	
Dichlorodifluoromethane	<2.0	ug/L	20.0	2.0	4		04/19/19 13:57	75-71-8	
Diisopropyl ether	<7.6	ug/L	25.2	7.6	4		04/19/19 13:57	108-20-3	
Ethylbenzene	<0.87	ug/L	4.0	0.87	4		04/19/19 13:57	100-41-4	
Hexachloro-1,3-butadiene	<4.7	ug/L	20.0	4.7	4		04/19/19 13:57	87-68-3	
Isopropylbenzene (Cumene)	<1.6	ug/L	20.0	1.6	4		04/19/19 13:57	98-82-8	
Methyl-tert-butyl ether	<5.0	ug/L	16.6	5.0	4		04/19/19 13:57	1634-04-4	
Methylene Chloride	<2.3	ug/L	20.0	2.3	4		04/19/19 13:57	75-09-2	
Naphthalene	<4.7	ug/L	20.0	4.7	4		04/19/19 13:57	91-20-3	
Styrene	<1.9	ug/L	6.2	1.9	4		04/19/19 13:57	100-42-5	
Tetrachloroethene	<1.3	ug/L	4.4	1.3	4		04/19/19 13:57	127-18-4	

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ANALYTICAL RESULTS

Project: TD P3 2ND QTR GW

Pace Project No.: 40186003

Sample: MW-24 **Lab ID: 40186003013** Collected: 04/16/19 00:00 Received: 04/18/19 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Toluene	<0.69	ug/L	20.0	0.69	4		04/19/19 13:57	108-88-3	
Trichloroethene	<1.0	ug/L	4.0	1.0	4		04/19/19 13:57	79-01-6	
Trichlorofluoromethane	<0.86	ug/L	4.0	0.86	4		04/19/19 13:57	75-69-4	
Vinyl chloride	5.3	ug/L	4.0	0.70	4		04/19/19 13:57	75-01-4	
cis-1,2-Dichloroethene	<1.1	ug/L	4.0	1.1	4		04/19/19 13:57	156-59-2	
cis-1,3-Dichloropropene	<14.5	ug/L	48.4	14.5	4		04/19/19 13:57	10061-01-5	
m&p-Xylene	<1.9	ug/L	8.0	1.9	4		04/19/19 13:57	179601-23-1	
n-Butylbenzene	<2.8	ug/L	9.4	2.8	4		04/19/19 13:57	104-51-8	
n-Propylbenzene	<3.2	ug/L	20.0	3.2	4		04/19/19 13:57	103-65-1	
o-Xylene	<1.0	ug/L	4.0	1.0	4		04/19/19 13:57	95-47-6	
p-Isopropyltoluene	<3.2	ug/L	10.7	3.2	4		04/19/19 13:57	99-87-6	
sec-Butylbenzene	<3.4	ug/L	20.0	3.4	4		04/19/19 13:57	135-98-8	
tert-Butylbenzene	<1.2	ug/L	4.1	1.2	4		04/19/19 13:57	98-06-6	
trans-1,2-Dichloroethene	<4.4	ug/L	14.5	4.4	4		04/19/19 13:57	156-60-5	
trans-1,3-Dichloropropene	<17.5	ug/L	58.3	17.5	4		04/19/19 13:57	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	88	%	70-130		4		04/19/19 13:57	460-00-4	
Dibromofluoromethane (S)	112	%	70-130		4		04/19/19 13:57	1868-53-7	
Toluene-d8 (S)	100	%	70-130		4		04/19/19 13:57	2037-26-5	

Sample: MW-25 **Lab ID: 40186003014** Collected: 04/16/19 00:00 Received: 04/18/19 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		04/19/19 14:42	630-20-6	
1,1,1-Trichloroethane	5.2	ug/L	1.0	0.24	1		04/19/19 14:42	71-55-6	
1,1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/19/19 14:42	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/19/19 14:42	79-00-5	
1,1-Dichloroethane	126	ug/L	1.0	0.27	1		04/19/19 14:42	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/19/19 14:42	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		04/19/19 14:42	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		04/19/19 14:42	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		04/19/19 14:42	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/19/19 14:42	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		04/19/19 14:42	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		04/19/19 14:42	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		04/19/19 14:42	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		04/19/19 14:42	95-50-1	
1,2-Dichloroethane	0.65J	ug/L	1.0	0.28	1		04/19/19 14:42	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/19/19 14:42	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		04/19/19 14:42	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		04/19/19 14:42	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		04/19/19 14:42	142-28-9	

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ANALYTICAL RESULTS

Project: TD P3 2ND QTR GW

Pace Project No.: 40186003

Sample: MW-25 **Lab ID: 40186003014** Collected: 04/16/19 00:00 Received: 04/18/19 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		04/19/19 14:42	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		04/19/19 14:42	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		04/19/19 14:42	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		04/19/19 14:42	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		04/19/19 14:42	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		04/19/19 14:42	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/19/19 14:42	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/19/19 14:42	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/19/19 14:42	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/19/19 14:42	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		04/19/19 14:42	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/19/19 14:42	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/19/19 14:42	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/19/19 14:42	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/19/19 14:42	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/19/19 14:42	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		04/19/19 14:42	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		04/19/19 14:42	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		04/19/19 14:42	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		04/19/19 14:42	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		04/19/19 14:42	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		04/19/19 14:42	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		04/19/19 14:42	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/19/19 14:42	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		04/19/19 14:42	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		04/19/19 14:42	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/19/19 14:42	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		04/19/19 14:42	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		04/19/19 14:42	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		04/19/19 14:42	75-69-4	
Vinyl chloride	1.0	ug/L	1.0	0.17	1		04/19/19 14:42	75-01-4	
cis-1,2-Dichloroethene	4.4	ug/L	1.0	0.27	1		04/19/19 14:42	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/19/19 14:42	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		04/19/19 14:42	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		04/19/19 14:42	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		04/19/19 14:42	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		04/19/19 14:42	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		04/19/19 14:42	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		04/19/19 14:42	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		04/19/19 14:42	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		04/19/19 14:42	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/19/19 14:42	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	85	%	70-130		1		04/19/19 14:42	460-00-4	
Dibromofluoromethane (S)	114	%	70-130		1		04/19/19 14:42	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		04/19/19 14:42	2037-26-5	

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ANALYTICAL RESULTS

Project: TD P3 2ND QTR GW

Pace Project No.: 40186003

Sample: TRIP BLANK **Lab ID: 40186003015** Collected: 04/16/19 00:00 Received: 04/18/19 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		04/19/19 10:13	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/19/19 10:13	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/19/19 10:13	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/19/19 10:13	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		04/19/19 10:13	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/19/19 10:13	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		04/19/19 10:13	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		04/19/19 10:13	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		04/19/19 10:13	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/19/19 10:13	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		04/19/19 10:13	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		04/19/19 10:13	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		04/19/19 10:13	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		04/19/19 10:13	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/19/19 10:13	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/19/19 10:13	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		04/19/19 10:13	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		04/19/19 10:13	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		04/19/19 10:13	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		04/19/19 10:13	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		04/19/19 10:13	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		04/19/19 10:13	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		04/19/19 10:13	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		04/19/19 10:13	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		04/19/19 10:13	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/19/19 10:13	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/19/19 10:13	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/19/19 10:13	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/19/19 10:13	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		04/19/19 10:13	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/19/19 10:13	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/19/19 10:13	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/19/19 10:13	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/19/19 10:13	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/19/19 10:13	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		04/19/19 10:13	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		04/19/19 10:13	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		04/19/19 10:13	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		04/19/19 10:13	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		04/19/19 10:13	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		04/19/19 10:13	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		04/19/19 10:13	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/19/19 10:13	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		04/19/19 10:13	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		04/19/19 10:13	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/19/19 10:13	127-18-4	

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ANALYTICAL RESULTS

Project: TD P3 2ND QTR GW

Pace Project No.: 40186003

Sample: TRIP BLANK **Lab ID: 40186003015** Collected: 04/16/19 00:00 Received: 04/18/19 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Toluene	<0.17	ug/L	5.0	0.17	1		04/19/19 10:13	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		04/19/19 10:13	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		04/19/19 10:13	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/19/19 10:13	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		04/19/19 10:13	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/19/19 10:13	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		04/19/19 10:13	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		04/19/19 10:13	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		04/19/19 10:13	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		04/19/19 10:13	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		04/19/19 10:13	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		04/19/19 10:13	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		04/19/19 10:13	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		04/19/19 10:13	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/19/19 10:13	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		04/19/19 10:13	460-00-4	
Dibromofluoromethane (S)	121	%	70-130		1		04/19/19 10:13	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		04/19/19 10:13	2037-26-5	

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QUALITY CONTROL DATA

Project: TD P3 2ND QTR GW
Pace Project No.: 40186003

QC Batch: 318837 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40186003001, 40186003002, 40186003003, 40186003004, 40186003005, 40186003006, 40186003007, 40186003008, 40186003009, 40186003010, 40186003011, 40186003012, 40186003013, 40186003014, 40186003015

METHOD BLANK: 1852791 Matrix: Water
Associated Lab Samples: 40186003001, 40186003002, 40186003003, 40186003004, 40186003005, 40186003006, 40186003007, 40186003008, 40186003009, 40186003010, 40186003011, 40186003012, 40186003013, 40186003014, 40186003015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	04/19/19 07:32	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	04/19/19 07:32	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	04/19/19 07:32	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	04/19/19 07:32	
1,1-Dichloroethane	ug/L	<0.27	1.0	04/19/19 07:32	
1,1-Dichloroethene	ug/L	<0.24	1.0	04/19/19 07:32	
1,1-Dichloropropene	ug/L	<0.54	1.8	04/19/19 07:32	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	04/19/19 07:32	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	04/19/19 07:32	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	04/19/19 07:32	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	04/19/19 07:32	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	04/19/19 07:32	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	04/19/19 07:32	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	04/19/19 07:32	
1,2-Dichloroethane	ug/L	<0.28	1.0	04/19/19 07:32	
1,2-Dichloropropane	ug/L	<0.28	1.0	04/19/19 07:32	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	04/19/19 07:32	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	04/19/19 07:32	
1,3-Dichloropropane	ug/L	<0.83	2.8	04/19/19 07:32	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	04/19/19 07:32	
2,2-Dichloropropane	ug/L	<2.3	7.6	04/19/19 07:32	
2-Chlorotoluene	ug/L	<0.93	5.0	04/19/19 07:32	
4-Chlorotoluene	ug/L	<0.76	2.5	04/19/19 07:32	
Benzene	ug/L	<0.25	1.0	04/19/19 07:32	
Bromobenzene	ug/L	<0.24	1.0	04/19/19 07:32	
Bromochloromethane	ug/L	<0.36	5.0	04/19/19 07:32	
Bromodichloromethane	ug/L	<0.36	1.2	04/19/19 07:32	
Bromoform	ug/L	<4.0	13.2	04/19/19 07:32	
Bromomethane	ug/L	<0.97	5.0	04/19/19 07:32	
Carbon tetrachloride	ug/L	<0.17	1.0	04/19/19 07:32	
Chlorobenzene	ug/L	<0.71	2.4	04/19/19 07:32	
Chloroethane	ug/L	<1.3	5.0	04/19/19 07:32	
Chloroform	ug/L	<1.3	5.0	04/19/19 07:32	
Chloromethane	ug/L	<2.2	7.3	04/19/19 07:32	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	04/19/19 07:32	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	04/19/19 07:32	
Dibromochloromethane	ug/L	<2.6	8.7	04/19/19 07:32	
Dibromomethane	ug/L	<0.94	3.1	04/19/19 07:32	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TD P3 2ND QTR GW
Pace Project No.: 40186003

METHOD BLANK: 1852791

Matrix: Water

Associated Lab Samples: 40186003001, 40186003002, 40186003003, 40186003004, 40186003005, 40186003006, 40186003007, 40186003008, 40186003009, 40186003010, 40186003011, 40186003012, 40186003013, 40186003014, 40186003015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	<0.50	5.0	04/19/19 07:32	
Diisopropyl ether	ug/L	<1.9	6.3	04/19/19 07:32	
Ethylbenzene	ug/L	<0.22	1.0	04/19/19 07:32	
Hexachloro-1,3-butadiene	ug/L	<1.2	5.0	04/19/19 07:32	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	04/19/19 07:32	
m&p-Xylene	ug/L	<0.47	2.0	04/19/19 07:32	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	04/19/19 07:32	
Methylene Chloride	ug/L	<0.58	5.0	04/19/19 07:32	
n-Butylbenzene	ug/L	<0.71	2.4	04/19/19 07:32	
n-Propylbenzene	ug/L	<0.81	5.0	04/19/19 07:32	
Naphthalene	ug/L	<1.2	5.0	04/19/19 07:32	
o-Xylene	ug/L	<0.26	1.0	04/19/19 07:32	
p-Isopropyltoluene	ug/L	<0.80	2.7	04/19/19 07:32	
sec-Butylbenzene	ug/L	<0.85	5.0	04/19/19 07:32	
Styrene	ug/L	<0.47	1.6	04/19/19 07:32	
tert-Butylbenzene	ug/L	<0.30	1.0	04/19/19 07:32	
Tetrachloroethene	ug/L	<0.33	1.1	04/19/19 07:32	
Toluene	ug/L	<0.17	5.0	04/19/19 07:32	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	04/19/19 07:32	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	04/19/19 07:32	
Trichloroethene	ug/L	<0.26	1.0	04/19/19 07:32	
Trichlorofluoromethane	ug/L	<0.21	1.0	04/19/19 07:32	
Vinyl chloride	ug/L	<0.17	1.0	04/19/19 07:32	
4-Bromofluorobenzene (S)	%	90	70-130	04/19/19 07:32	
Dibromofluoromethane (S)	%	116	70-130	04/19/19 07:32	
Toluene-d8 (S)	%	97	70-130	04/19/19 07:32	

LABORATORY CONTROL SAMPLE: 1852792

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	54.9	110	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	47.4	95	70-130	
1,1,2-Trichloroethane	ug/L	50	51.5	103	70-130	
1,1-Dichloroethane	ug/L	50	56.0	112	73-150	
1,1-Dichloroethene	ug/L	50	55.8	112	73-138	
1,2,4-Trichlorobenzene	ug/L	50	49.1	98	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	40.1	80	64-129	
1,2-Dibromoethane (EDB)	ug/L	50	51.4	103	70-130	
1,2-Dichlorobenzene	ug/L	50	52.1	104	70-130	
1,2-Dichloroethane	ug/L	50	58.2	116	75-140	
1,2-Dichloropropane	ug/L	50	52.0	104	73-135	
1,3-Dichlorobenzene	ug/L	50	50.9	102	70-130	

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QUALITY CONTROL DATA

Project: TD P3 2ND QTR GW
Pace Project No.: 40186003

LABORATORY CONTROL SAMPLE: 1852792

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	52.3	105	70-130	
Benzene	ug/L	50	57.4	115	70-130	
Bromodichloromethane	ug/L	50	51.4	103	70-130	
Bromoform	ug/L	50	49.6	99	68-129	
Bromomethane	ug/L	50	55.2	110	18-159	
Carbon tetrachloride	ug/L	50	59.9	120	70-130	
Chlorobenzene	ug/L	50	55.1	110	70-130	
Chloroethane	ug/L	50	57.5	115	53-147	
Chloroform	ug/L	50	57.8	116	74-136	
Chloromethane	ug/L	50	36.0	72	29-115	
cis-1,2-Dichloroethene	ug/L	50	53.3	107	70-130	
cis-1,3-Dichloropropene	ug/L	50	46.8	94	70-130	
Dibromochloromethane	ug/L	50	48.3	97	70-130	
Dichlorodifluoromethane	ug/L	50	36.1	72	10-130	
Ethylbenzene	ug/L	50	53.3	107	80-124	
Isopropylbenzene (Cumene)	ug/L	50	54.4	109	70-130	
m&p-Xylene	ug/L	100	106	106	70-130	
Methyl-tert-butyl ether	ug/L	50	40.5	81	54-137	
Methylene Chloride	ug/L	50	59.6	119	73-138	
o-Xylene	ug/L	50	52.5	105	70-130	
Styrene	ug/L	50	52.4	105	70-130	
Tetrachloroethene	ug/L	50	53.4	107	70-130	
Toluene	ug/L	50	53.8	108	80-126	
trans-1,2-Dichloroethene	ug/L	50	57.5	115	73-145	
trans-1,3-Dichloropropene	ug/L	50	44.9	90	70-130	
Trichloroethene	ug/L	50	54.4	109	70-130	
Trichlorofluoromethane	ug/L	50	58.2	116	76-147	
Vinyl chloride	ug/L	50	46.2	92	51-120	
4-Bromofluorobenzene (S)	%			98	70-130	
Dibromofluoromethane (S)	%			118	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1853242 1853243

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40186003007 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
1,1,1-Trichloroethane	ug/L	<0.24	50	50	57.7	54.1	115	108	70-130	6	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	49.9	52.0	100	104	70-130	4	20	
1,1,2-Trichloroethane	ug/L	<0.55	50	50	53.1	54.1	106	108	70-137	2	20	
1,1-Dichloroethane	ug/L	0.43J	50	50	58.3	57.7	116	115	73-153	1	20	
1,1-Dichloroethene	ug/L	<0.24	50	50	59.2	60.6	118	121	73-138	2	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	49.9	48.0	100	96	70-130	4	20	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	48.8	47.3	98	95	58-129	3	20	
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	49.6	53.5	99	107	70-130	8	20	

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QUALITY CONTROL DATA

Project: TD P3 2ND QTR GW

Pace Project No.: 40186003

Parameter	Units	1853242		1853243		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40186003007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
1,2-Dichlorobenzene	ug/L	<0.71	50	50	51.7	52.3	103	105	70-130	1	20	
1,2-Dichloroethane	ug/L	<0.28	50	50	60.2	59.8	120	120	75-140	1	20	
1,2-Dichloropropane	ug/L	<0.28	50	50	49.4	51.8	99	104	71-138	5	20	
1,3-Dichlorobenzene	ug/L	<0.63	50	50	49.3	50.0	99	100	70-130	2	20	
1,4-Dichlorobenzene	ug/L	<0.94	50	50	51.8	52.0	104	104	70-130	0	20	
Benzene	ug/L	<0.25	50	50	58.0	57.4	116	115	70-130	1	20	
Bromodichloromethane	ug/L	<0.36	50	50	50.1	51.8	100	104	70-130	3	20	
Bromoform	ug/L	<4.0	50	50	49.9	52.2	100	104	68-129	5	20	
Bromomethane	ug/L	<0.97	50	50	55.8	59.6	112	119	15-170	7	20	
Carbon tetrachloride	ug/L	<0.17	50	50	61.9	62.9	124	126	70-130	2	20	
Chlorobenzene	ug/L	<0.71	50	50	55.5	56.3	111	113	70-130	2	20	
Chloroethane	ug/L	<1.3	50	50	60.6	58.0	121	116	51-148	4	20	
Chloroform	ug/L	<1.3	50	50	56.2	55.5	112	111	74-136	1	20	
Chloromethane	ug/L	<2.2	50	50	37.7	35.8	75	72	23-115	5	20	
cis-1,2-Dichloroethene	ug/L	<0.27	50	50	55.3	54.5	111	109	70-131	2	20	
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	47.4	47.1	95	94	70-130	1	20	
Dibromochloromethane	ug/L	<2.6	50	50	48.0	50.2	96	100	70-130	4	20	
Dichlorodifluoromethane	ug/L	<0.50	50	50	35.5	36.1	71	72	10-132	2	20	
Ethylbenzene	ug/L	<0.22	50	50	53.5	53.4	107	107	80-125	0	20	
Isopropylbenzene (Cumene)	ug/L	<0.39	50	50	53.2	54.7	106	109	70-130	3	20	
m&p-Xylene	ug/L	<0.47	100	100	109	111	109	111	70-130	1	20	
Methyl-tert-butyl ether	ug/L	<1.2	50	50	44.4	44.4	89	89	51-145	0	20	
Methylene Chloride	ug/L	<0.58	50	50	64.1	62.0	128	124	73-140	3	20	
o-Xylene	ug/L	<0.26	50	50	53.0	53.1	106	106	70-130	0	20	
Styrene	ug/L	<0.47	50	50	53.2	54.1	106	108	70-130	2	20	
Tetrachloroethene	ug/L	<0.33	50	50	49.5	50.7	99	101	70-130	2	20	
Toluene	ug/L	<0.17	50	50	54.2	53.3	108	107	80-131	2	20	
trans-1,2-Dichloroethene	ug/L	<1.1	50	50	58.5	59.0	117	118	73-148	1	20	
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	44.9	45.7	90	91	70-130	2	20	
Trichloroethene	ug/L	<0.26	50	50	53.0	54.4	106	109	70-130	3	20	
Trichlorofluoromethane	ug/L	<0.21	50	50	60.8	61.4	122	123	74-147	1	20	
Vinyl chloride	ug/L	<0.17	50	50	50.3	47.6	101	95	41-129	5	20	
4-Bromofluorobenzene (S)	%						96	97	70-130			
Dibromofluoromethane (S)	%						117	119	70-130			
Toluene-d8 (S)	%						102	99	70-130			

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: TD P3 2ND QTR GW

Pace Project No.: 40186003

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

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 2ND QTR GW

Pace Project No.: 40186003

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40186003001	MW-1	EPA 8260	318837		
40186003002	MW-2	EPA 8260	318837		
40186003003	MW-6	EPA 8260	318837		
40186003004	MW-7	EPA 8260	318837		
40186003005	MW-9	EPA 8260	318837		
40186003006	MW-10	EPA 8260	318837		
40186003007	MW-17	EPA 8260	318837		
40186003008	MW-18	EPA 8260	318837		
40186003009	MW-20	EPA 8260	318837		
40186003010	MW-21	EPA 8260	318837		
40186003011	MW-22	EPA 8260	318837		
40186003012	MW-23	EPA 8260	318837		
40186003013	MW-24	EPA 8260	318837		
40186003014	MW-25	EPA 8260	318837		
40186003015	TRIP BLANK	EPA 8260	318837		

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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.

40186003


Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: Environmental Audits Inc.		Report To: jrruetz@yahoo.com;		Attention: John Ruetz	
Address: 11327 W Lincoln Avenue West Allis WI 53051		Copy To: eeriii@wi.rr.com; john@environmentalaudits.net steph@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 Fax:		Project Name: TD P3 2nd Qtr GW		Pace Quote Reference:	
Requested Due Date/TAT:		Project Number:		Pace Project Manager:	
				Pace Profile #:	

Page: 1 of 1

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	WI	
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 VOC	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.		
					COMPOSITE START		COMPOSITE END/GRAB				Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃					Methanol	Other
					DATE	TIME	DATE	TIME														
1	MW - 1		GW	G	4/16/19				3				x								001	
2	MW - 2		GW	G	4/16/19				3				x									002
3	MW - 6		GW	G	4/16/19				3				x									003
4	MW - 7		GW	G	4/16/19				3				x									004
5	MW - 9		GW	G	4/16/19				3				x									005
6	MW - 10		GW	G	4/16/19				3				x									006
7	MW - 17		GW	G	4/16/19				3				x									007
8	MW - 18		GW	G	4/16/19				3				x									008
9	MW - 20		GW	G	4/16/19				3				x									009
10	MW - 21		GW	G	4/16/19				3				x									010
11	MW - 22		GW	G	4/16/19				3				x									011
12	MW - 23		GW	G	4/16/19				3				x									012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Stephanie Wagner	4/16/19		Mary Farnin	4/17/19	1425	
	Mary Farnin	4/17/19	1450	Susana K. W. Paul	4/18/19	0845	RY Y Y
	C. St. Logos	4/18/19	0845				

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Stephanie Wagner					
SIGNATURE of SAMPLER: 					
DATE Signed (MM/DD/YY): 4/16/19					

*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 Preservation Receipt Form

Client Name: Environmental Audits Project # 601856007

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

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

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



1241 Bellevue Street, Green Bay, WI 54302

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

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

Sample Condition Upon Receipt Form (SCUR)

Client Name: Environmental Audits Project #:

WO#: 40186003
Barcode with number 40186003

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

Tracking #:
Custody Seal on Cooler/Box Present: yes no Seals intact: yes no
Custody Seal on Samples Present: yes no Seals intact: yes no
Packing Material: Bubble Wrap Bubble Bags None Other
Thermometer Used SR - N/A Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun
Cooler Temperature Uncorr: ROTI Corr:

Temp Blank Present: yes no Biological Tissue is Frozen: yes no
Person examining contents: Date: 4-18-19 Initials: SW

Table with 2 columns: Question/Requirement and Answer/Status. Includes items like Chain of Custody Present, Samples Arrived within Hold Time, Short Hold Time Analysis, Rush Turn Around Time Requested, Sufficient Volume, Containers Intact, etc.

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

Project Manager Review: [Signature] Date: 04/18/19

September 04, 2018

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

RE: Project: TD P3 3RD QTR GW
Pace Project No.: 40174909

Dear John Ruetz:

Enclosed are the analytical results for sample(s) received by the laboratory on August 30, 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 3RD QTR GW

Pace Project No.: 40174909

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 3RD QTR GW

Pace Project No.: 40174909

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40174909001	MW-402N	Water	08/28/18 00:00	08/30/18 10:00
40174909002	MW-11	Water	08/28/18 00:00	08/30/18 10:00
40174909003	MW-12	Water	08/28/18 00:00	08/30/18 10:00
40174909004	MW-13	Water	08/28/18 00:00	08/30/18 10:00
40174909005	MW-15	Water	08/28/18 00:00	08/30/18 10:00
40174909006	MW-16	Water	08/28/18 00:00	08/30/18 10:00
40174909007	MW-19	Water	08/28/18 00:00	08/30/18 10:00
40174909008	TRIP BLANK	Water	08/28/18 00:00	08/30/18 10:00

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SAMPLE ANALYTE COUNT

Project: TD P3 3RD QTR GW

Pace Project No.: 40174909

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40174909001	MW-402N	EPA 8260	HNW	64
40174909002	MW-11	EPA 8260	HNW	64
40174909003	MW-12	EPA 8260	HNW	64
40174909004	MW-13	EPA 8260	HNW	64
40174909005	MW-15	EPA 8260	HNW	64
40174909006	MW-16	EPA 8260	HNW	64
40174909007	MW-19	EPA 8260	HNW	64
40174909008	TRIP BLANK	EPA 8260	HNW	64

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TD P3 3RD QTR GW

Pace Project No.: 40174909

Sample: MW-402N **Lab ID: 40174909001** Collected: 08/28/18 00:00 Received: 08/30/18 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		08/31/18 16:22	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		08/31/18 16:22	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		08/31/18 16:22	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		08/31/18 16:22	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		08/31/18 16:22	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		08/31/18 16:22	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		08/31/18 16:22	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		08/31/18 16:22	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		08/31/18 16:22	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		08/31/18 16:22	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		08/31/18 16:22	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		08/31/18 16:22	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		08/31/18 16:22	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		08/31/18 16:22	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		08/31/18 16:22	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		08/31/18 16:22	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		08/31/18 16:22	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		08/31/18 16:22	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		08/31/18 16:22	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		08/31/18 16:22	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		08/31/18 16:22	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		08/31/18 16:22	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		08/31/18 16:22	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		08/31/18 16:22	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		08/31/18 16:22	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		08/31/18 16:22	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		08/31/18 16:22	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		08/31/18 16:22	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		08/31/18 16:22	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		08/31/18 16:22	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		08/31/18 16:22	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		08/31/18 16:22	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		08/31/18 16:22	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		08/31/18 16:22	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		08/31/18 16:22	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		08/31/18 16:22	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		08/31/18 16:22	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		08/31/18 16:22	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		08/31/18 16:22	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		08/31/18 16:22	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		08/31/18 16:22	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		08/31/18 16:22	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		08/31/18 16:22	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		08/31/18 16:22	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		08/31/18 16:22	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		08/31/18 16:22	127-18-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TD P3 3RD QTR GW

Pace Project No.: 40174909

Sample: MW-402N **Lab ID: 40174909001** Collected: 08/28/18 00:00 Received: 08/30/18 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Toluene	<0.17	ug/L	5.0	0.17	1		08/31/18 16:22	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		08/31/18 16:22	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		08/31/18 16:22	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		08/31/18 16:22	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		08/31/18 16:22	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		08/31/18 16:22	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		08/31/18 16:22	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		08/31/18 16:22	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		08/31/18 16:22	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		08/31/18 16:22	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		08/31/18 16:22	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		08/31/18 16:22	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		08/31/18 16:22	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		08/31/18 16:22	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		08/31/18 16:22	10061-02-6	L1
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		08/31/18 16:22	460-00-4	HS
Dibromofluoromethane (S)	102	%	70-130		1		08/31/18 16:22	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		08/31/18 16:22	2037-26-5	

Sample: MW-11 **Lab ID: 40174909002** Collected: 08/28/18 00:00 Received: 08/30/18 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.67	ug/L	2.5	0.67	2.5		08/31/18 13:30	630-20-6	
1,1,1-Trichloroethane	<0.61	ug/L	2.5	0.61	2.5		08/31/18 13:30	71-55-6	
1,1,1,2,2-Tetrachloroethane	<0.69	ug/L	2.5	0.69	2.5		08/31/18 13:30	79-34-5	
1,1,2-Trichloroethane	<1.4	ug/L	12.5	1.4	2.5		08/31/18 13:30	79-00-5	
1,1-Dichloroethane	<0.68	ug/L	2.5	0.68	2.5		08/31/18 13:30	75-34-3	
1,1-Dichloroethene	<0.61	ug/L	2.5	0.61	2.5		08/31/18 13:30	75-35-4	
1,1-Dichloropropene	<1.4	ug/L	4.5	1.4	2.5		08/31/18 13:30	563-58-6	
1,2,3-Trichlorobenzene	<1.6	ug/L	12.5	1.6	2.5		08/31/18 13:30	87-61-6	
1,2,3-Trichloropropane	<1.5	ug/L	12.5	1.5	2.5		08/31/18 13:30	96-18-4	
1,2,4-Trichlorobenzene	<2.4	ug/L	12.5	2.4	2.5		08/31/18 13:30	120-82-1	
1,2,4-Trimethylbenzene	<2.1	ug/L	7.0	2.1	2.5		08/31/18 13:30	95-63-6	
1,2-Dibromo-3-chloropropane	<4.4	ug/L	14.7	4.4	2.5		08/31/18 13:30	96-12-8	
1,2-Dibromoethane (EDB)	<2.1	ug/L	6.9	2.1	2.5		08/31/18 13:30	106-93-4	
1,2-Dichlorobenzene	<1.8	ug/L	5.9	1.8	2.5		08/31/18 13:30	95-50-1	
1,2-Dichloroethane	<0.70	ug/L	2.5	0.70	2.5		08/31/18 13:30	107-06-2	
1,2-Dichloropropane	<0.71	ug/L	2.5	0.71	2.5		08/31/18 13:30	78-87-5	
1,3,5-Trimethylbenzene	<2.2	ug/L	7.3	2.2	2.5		08/31/18 13:30	108-67-8	
1,3-Dichlorobenzene	<1.6	ug/L	5.2	1.6	2.5		08/31/18 13:30	541-73-1	
1,3-Dichloropropane	<2.1	ug/L	6.9	2.1	2.5		08/31/18 13:30	142-28-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TD P3 3RD QTR GW

Pace Project No.: 40174909

Sample: MW-11 **Lab ID: 40174909002** Collected: 08/28/18 00:00 Received: 08/30/18 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,4-Dichlorobenzene	<2.4	ug/L	7.9	2.4	2.5		08/31/18 13:30	106-46-7	
2,2-Dichloropropane	<5.7	ug/L	18.9	5.7	2.5		08/31/18 13:30	594-20-7	
2-Chlorotoluene	<2.3	ug/L	12.5	2.3	2.5		08/31/18 13:30	95-49-8	
4-Chlorotoluene	<1.9	ug/L	6.3	1.9	2.5		08/31/18 13:30	106-43-4	
Benzene	<0.62	ug/L	2.5	0.62	2.5		08/31/18 13:30	71-43-2	
Bromobenzene	<0.60	ug/L	2.5	0.60	2.5		08/31/18 13:30	108-86-1	
Bromochloromethane	<0.91	ug/L	12.5	0.91	2.5		08/31/18 13:30	74-97-5	
Bromodichloromethane	<0.91	ug/L	3.0	0.91	2.5		08/31/18 13:30	75-27-4	
Bromoform	<9.9	ug/L	33.1	9.9	2.5		08/31/18 13:30	75-25-2	
Bromomethane	<2.4	ug/L	12.5	2.4	2.5		08/31/18 13:30	74-83-9	
Carbon tetrachloride	<0.41	ug/L	2.5	0.41	2.5		08/31/18 13:30	56-23-5	
Chlorobenzene	<1.8	ug/L	5.9	1.8	2.5		08/31/18 13:30	108-90-7	
Chloroethane	<3.4	ug/L	12.5	3.4	2.5		08/31/18 13:30	75-00-3	
Chloroform	<3.2	ug/L	12.5	3.2	2.5		08/31/18 13:30	67-66-3	
Chloromethane	<5.5	ug/L	18.2	5.5	2.5		08/31/18 13:30	74-87-3	
Dibromochloromethane	<6.5	ug/L	21.7	6.5	2.5		08/31/18 13:30	124-48-1	
Dibromomethane	<2.3	ug/L	7.8	2.3	2.5		08/31/18 13:30	74-95-3	
Dichlorodifluoromethane	<1.2	ug/L	12.5	1.2	2.5		08/31/18 13:30	75-71-8	
Diisopropyl ether	<4.7	ug/L	15.7	4.7	2.5		08/31/18 13:30	108-20-3	
Ethylbenzene	<0.55	ug/L	2.5	0.55	2.5		08/31/18 13:30	100-41-4	
Hexachloro-1,3-butadiene	<3.0	ug/L	12.5	3.0	2.5		08/31/18 13:30	87-68-3	
Isopropylbenzene (Cumene)	<0.98	ug/L	12.5	0.98	2.5		08/31/18 13:30	98-82-8	
Methyl-tert-butyl ether	<3.1	ug/L	10.4	3.1	2.5		08/31/18 13:30	1634-04-4	
Methylene Chloride	<1.5	ug/L	12.5	1.5	2.5		08/31/18 13:30	75-09-2	
Naphthalene	<2.9	ug/L	12.5	2.9	2.5		08/31/18 13:30	91-20-3	
Styrene	<1.2	ug/L	3.9	1.2	2.5		08/31/18 13:30	100-42-5	
Tetrachloroethene	4.1	ug/L	2.7	0.82	2.5		08/31/18 13:30	127-18-4	
Toluene	<0.43	ug/L	12.5	0.43	2.5		08/31/18 13:30	108-88-3	
Trichloroethene	5.8	ug/L	2.5	0.64	2.5		08/31/18 13:30	79-01-6	
Trichlorofluoromethane	<0.54	ug/L	2.5	0.54	2.5		08/31/18 13:30	75-69-4	
Vinyl chloride	0.47J	ug/L	2.5	0.44	2.5		08/31/18 13:30	75-01-4	
cis-1,2-Dichloroethene	161	ug/L	2.5	0.68	2.5		08/31/18 13:30	156-59-2	
cis-1,3-Dichloropropene	<9.1	ug/L	30.2	9.1	2.5		08/31/18 13:30	10061-01-5	
m&p-Xylene	<1.2	ug/L	5.0	1.2	2.5		08/31/18 13:30	179601-23-1	
n-Butylbenzene	<1.8	ug/L	5.9	1.8	2.5		08/31/18 13:30	104-51-8	
n-Propylbenzene	<2.0	ug/L	12.5	2.0	2.5		08/31/18 13:30	103-65-1	
o-Xylene	<0.65	ug/L	2.5	0.65	2.5		08/31/18 13:30	95-47-6	
p-Isopropyltoluene	<2.0	ug/L	6.7	2.0	2.5		08/31/18 13:30	99-87-6	
sec-Butylbenzene	<2.1	ug/L	12.5	2.1	2.5		08/31/18 13:30	135-98-8	
tert-Butylbenzene	<0.76	ug/L	2.5	0.76	2.5		08/31/18 13:30	98-06-6	
trans-1,2-Dichloroethene	8.1J	ug/L	9.1	2.7	2.5		08/31/18 13:30	156-60-5	
trans-1,3-Dichloropropene	<10.9	ug/L	36.4	10.9	2.5		08/31/18 13:30	10061-02-6	L1
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		2.5		08/31/18 13:30	460-00-4	HS
Dibromofluoromethane (S)	101	%	70-130		2.5		08/31/18 13:30	1868-53-7	
Toluene-d8 (S)	103	%	70-130		2.5		08/31/18 13:30	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TD P3 3RD QTR GW
Pace Project No.: 40174909

Sample: MW-12 **Lab ID: 40174909003** Collected: 08/28/18 00:00 Received: 08/30/18 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<2.7	ug/L	10.0	2.7	10		08/31/18 13:52	630-20-6	
1,1,1-Trichloroethane	<2.4	ug/L	10.0	2.4	10		08/31/18 13:52	71-55-6	
1,1,2,2-Tetrachloroethane	<2.8	ug/L	10.0	2.8	10		08/31/18 13:52	79-34-5	
1,1,2-Trichloroethane	<5.5	ug/L	50.0	5.5	10		08/31/18 13:52	79-00-5	
1,1-Dichloroethane	<2.7	ug/L	10.0	2.7	10		08/31/18 13:52	75-34-3	
1,1-Dichloroethene	<2.4	ug/L	10.0	2.4	10		08/31/18 13:52	75-35-4	
1,1-Dichloropropene	<5.4	ug/L	18.0	5.4	10		08/31/18 13:52	563-58-6	
1,2,3-Trichlorobenzene	<6.3	ug/L	50.0	6.3	10		08/31/18 13:52	87-61-6	
1,2,3-Trichloropropane	<5.9	ug/L	50.0	5.9	10		08/31/18 13:52	96-18-4	
1,2,4-Trichlorobenzene	<9.5	ug/L	50.0	9.5	10		08/31/18 13:52	120-82-1	
1,2,4-Trimethylbenzene	<8.4	ug/L	28.0	8.4	10		08/31/18 13:52	95-63-6	
1,2-Dibromo-3-chloropropane	<17.6	ug/L	58.8	17.6	10		08/31/18 13:52	96-12-8	
1,2-Dibromoethane (EDB)	<8.3	ug/L	27.6	8.3	10		08/31/18 13:52	106-93-4	
1,2-Dichlorobenzene	<7.1	ug/L	23.5	7.1	10		08/31/18 13:52	95-50-1	
1,2-Dichloroethane	<2.8	ug/L	10.0	2.8	10		08/31/18 13:52	107-06-2	
1,2-Dichloropropane	<2.8	ug/L	10.0	2.8	10		08/31/18 13:52	78-87-5	
1,3,5-Trimethylbenzene	<8.7	ug/L	29.1	8.7	10		08/31/18 13:52	108-67-8	
1,3-Dichlorobenzene	<6.3	ug/L	20.9	6.3	10		08/31/18 13:52	541-73-1	
1,3-Dichloropropane	<8.3	ug/L	27.5	8.3	10		08/31/18 13:52	142-28-9	
1,4-Dichlorobenzene	<9.4	ug/L	31.5	9.4	10		08/31/18 13:52	106-46-7	
2,2-Dichloropropane	<22.7	ug/L	75.5	22.7	10		08/31/18 13:52	594-20-7	
2-Chlorotoluene	<9.3	ug/L	50.0	9.3	10		08/31/18 13:52	95-49-8	
4-Chlorotoluene	<7.6	ug/L	25.2	7.6	10		08/31/18 13:52	106-43-4	
Benzene	<2.5	ug/L	10.0	2.5	10		08/31/18 13:52	71-43-2	
Bromobenzene	<2.4	ug/L	10.0	2.4	10		08/31/18 13:52	108-86-1	
Bromochloromethane	<3.6	ug/L	50.0	3.6	10		08/31/18 13:52	74-97-5	
Bromodichloromethane	<3.6	ug/L	12.1	3.6	10		08/31/18 13:52	75-27-4	
Bromoform	<39.7	ug/L	132	39.7	10		08/31/18 13:52	75-25-2	
Bromomethane	<9.7	ug/L	50.0	9.7	10		08/31/18 13:52	74-83-9	
Carbon tetrachloride	<1.7	ug/L	10.0	1.7	10		08/31/18 13:52	56-23-5	
Chlorobenzene	<7.1	ug/L	23.7	7.1	10		08/31/18 13:52	108-90-7	
Chloroethane	<13.4	ug/L	50.0	13.4	10		08/31/18 13:52	75-00-3	
Chloroform	<12.7	ug/L	50.0	12.7	10		08/31/18 13:52	67-66-3	
Chloromethane	<21.9	ug/L	73.0	21.9	10		08/31/18 13:52	74-87-3	
Dibromochloromethane	<26.0	ug/L	86.7	26.0	10		08/31/18 13:52	124-48-1	
Dibromomethane	<9.4	ug/L	31.2	9.4	10		08/31/18 13:52	74-95-3	
Dichlorodifluoromethane	<5.0	ug/L	50.0	5.0	10		08/31/18 13:52	75-71-8	
Diisopropyl ether	<18.9	ug/L	62.9	18.9	10		08/31/18 13:52	108-20-3	
Ethylbenzene	<2.2	ug/L	10.0	2.2	10		08/31/18 13:52	100-41-4	
Hexachloro-1,3-butadiene	<11.8	ug/L	50.0	11.8	10		08/31/18 13:52	87-68-3	
Isopropylbenzene (Cumene)	<3.9	ug/L	50.0	3.9	10		08/31/18 13:52	98-82-8	
Methyl-tert-butyl ether	<12.5	ug/L	41.5	12.5	10		08/31/18 13:52	1634-04-4	
Methylene Chloride	9.4J	ug/L	50.0	5.8	10		08/31/18 13:52	75-09-2	
Naphthalene	<11.8	ug/L	50.0	11.8	10		08/31/18 13:52	91-20-3	
Styrene	<4.7	ug/L	15.5	4.7	10		08/31/18 13:52	100-42-5	
Tetrachloroethene	<3.3	ug/L	10.9	3.3	10		08/31/18 13:52	127-18-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TD P3 3RD QTR GW

Pace Project No.: 40174909

Sample: MW-12 **Lab ID: 40174909003** Collected: 08/28/18 00:00 Received: 08/30/18 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Toluene	<1.7	ug/L	50.0	1.7	10		08/31/18 13:52	108-88-3	
Trichloroethene	<2.6	ug/L	10.0	2.6	10		08/31/18 13:52	79-01-6	
Trichlorofluoromethane	<2.1	ug/L	10.0	2.1	10		08/31/18 13:52	75-69-4	
Vinyl chloride	<1.7	ug/L	10.0	1.7	10		08/31/18 13:52	75-01-4	
cis-1,2-Dichloroethene	<2.7	ug/L	10.0	2.7	10		08/31/18 13:52	156-59-2	
cis-1,3-Dichloropropene	<36.3	ug/L	121	36.3	10		08/31/18 13:52	10061-01-5	
m&p-Xylene	<4.7	ug/L	20.0	4.7	10		08/31/18 13:52	179601-23-1	
n-Butylbenzene	<7.1	ug/L	23.6	7.1	10		08/31/18 13:52	104-51-8	
n-Propylbenzene	<8.1	ug/L	50.0	8.1	10		08/31/18 13:52	103-65-1	
o-Xylene	<2.6	ug/L	10.0	2.6	10		08/31/18 13:52	95-47-6	
p-Isopropyltoluene	<8.0	ug/L	26.7	8.0	10		08/31/18 13:52	99-87-6	
sec-Butylbenzene	<8.5	ug/L	50.0	8.5	10		08/31/18 13:52	135-98-8	
tert-Butylbenzene	<3.0	ug/L	10.1	3.0	10		08/31/18 13:52	98-06-6	
trans-1,2-Dichloroethene	<10.9	ug/L	36.4	10.9	10		08/31/18 13:52	156-60-5	
trans-1,3-Dichloropropene	<43.7	ug/L	146	43.7	10		08/31/18 13:52	10061-02-6	L1
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		10		08/31/18 13:52	460-00-4	D3
Dibromofluoromethane (S)	101	%	70-130		10		08/31/18 13:52	1868-53-7	
Toluene-d8 (S)	103	%	70-130		10		08/31/18 13:52	2037-26-5	

Sample: MW-13 **Lab ID: 40174909004** Collected: 08/28/18 00:00 Received: 08/30/18 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		08/31/18 15:43	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		08/31/18 15:43	71-55-6	
1,1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		08/31/18 15:43	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		08/31/18 15:43	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		08/31/18 15:43	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		08/31/18 15:43	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		08/31/18 15:43	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		08/31/18 15:43	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		08/31/18 15:43	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		08/31/18 15:43	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		08/31/18 15:43	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		08/31/18 15:43	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		08/31/18 15:43	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		08/31/18 15:43	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		08/31/18 15:43	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		08/31/18 15:43	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		08/31/18 15:43	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		08/31/18 15:43	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		08/31/18 15:43	142-28-9	

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ANALYTICAL RESULTS

Project: TD P3 3RD QTR GW

Pace Project No.: 40174909

Sample: MW-13 **Lab ID: 40174909004** Collected: 08/28/18 00:00 Received: 08/30/18 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		08/31/18 15:43	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		08/31/18 15:43	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		08/31/18 15:43	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		08/31/18 15:43	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		08/31/18 15:43	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		08/31/18 15:43	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		08/31/18 15:43	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		08/31/18 15:43	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		08/31/18 15:43	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		08/31/18 15:43	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		08/31/18 15:43	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		08/31/18 15:43	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		08/31/18 15:43	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		08/31/18 15:43	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		08/31/18 15:43	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		08/31/18 15:43	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		08/31/18 15:43	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		08/31/18 15:43	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		08/31/18 15:43	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		08/31/18 15:43	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		08/31/18 15:43	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		08/31/18 15:43	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		08/31/18 15:43	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		08/31/18 15:43	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		08/31/18 15:43	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		08/31/18 15:43	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		08/31/18 15:43	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		08/31/18 15:43	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		08/31/18 15:43	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		08/31/18 15:43	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		08/31/18 15:43	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		08/31/18 15:43	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		08/31/18 15:43	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		08/31/18 15:43	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		08/31/18 15:43	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		08/31/18 15:43	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		08/31/18 15:43	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		08/31/18 15:43	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		08/31/18 15:43	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		08/31/18 15:43	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		08/31/18 15:43	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		08/31/18 15:43	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		08/31/18 15:43	460-00-4	HS
Dibromofluoromethane (S)	98	%	70-130		1		08/31/18 15:43	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		08/31/18 15:43	2037-26-5	

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ANALYTICAL RESULTS

Project: TD P3 3RD QTR GW

Pace Project No.: 40174909

Sample: MW-15 **Lab ID: 40174909005** Collected: 08/28/18 00:00 Received: 08/30/18 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		08/31/18 16:05	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		08/31/18 16:05	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		08/31/18 16:05	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		08/31/18 16:05	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		08/31/18 16:05	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		08/31/18 16:05	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		08/31/18 16:05	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		08/31/18 16:05	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		08/31/18 16:05	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		08/31/18 16:05	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		08/31/18 16:05	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		08/31/18 16:05	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		08/31/18 16:05	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		08/31/18 16:05	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		08/31/18 16:05	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		08/31/18 16:05	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		08/31/18 16:05	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		08/31/18 16:05	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		08/31/18 16:05	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		08/31/18 16:05	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		08/31/18 16:05	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		08/31/18 16:05	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		08/31/18 16:05	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		08/31/18 16:05	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		08/31/18 16:05	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		08/31/18 16:05	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		08/31/18 16:05	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		08/31/18 16:05	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		08/31/18 16:05	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		08/31/18 16:05	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		08/31/18 16:05	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		08/31/18 16:05	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		08/31/18 16:05	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		08/31/18 16:05	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		08/31/18 16:05	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		08/31/18 16:05	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		08/31/18 16:05	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		08/31/18 16:05	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		08/31/18 16:05	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		08/31/18 16:05	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		08/31/18 16:05	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		08/31/18 16:05	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		08/31/18 16:05	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		08/31/18 16:05	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		08/31/18 16:05	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		08/31/18 16:05	127-18-4	

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ANALYTICAL RESULTS

Project: TD P3 3RD QTR GW

Pace Project No.: 40174909

Sample: MW-15 **Lab ID: 40174909005** Collected: 08/28/18 00:00 Received: 08/30/18 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Toluene	<0.17	ug/L	5.0	0.17	1		08/31/18 16:05	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		08/31/18 16:05	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		08/31/18 16:05	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		08/31/18 16:05	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		08/31/18 16:05	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		08/31/18 16:05	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		08/31/18 16:05	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		08/31/18 16:05	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		08/31/18 16:05	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		08/31/18 16:05	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		08/31/18 16:05	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		08/31/18 16:05	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		08/31/18 16:05	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		08/31/18 16:05	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		08/31/18 16:05	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		08/31/18 16:05	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		08/31/18 16:05	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		08/31/18 16:05	2037-26-5	

Sample: MW-16 **Lab ID: 40174909006** Collected: 08/28/18 00:00 Received: 08/30/18 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		08/31/18 16:28	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		08/31/18 16:28	71-55-6	
1,1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		08/31/18 16:28	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		08/31/18 16:28	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		08/31/18 16:28	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		08/31/18 16:28	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		08/31/18 16:28	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		08/31/18 16:28	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		08/31/18 16:28	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		08/31/18 16:28	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		08/31/18 16:28	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		08/31/18 16:28	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		08/31/18 16:28	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		08/31/18 16:28	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		08/31/18 16:28	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		08/31/18 16:28	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		08/31/18 16:28	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		08/31/18 16:28	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		08/31/18 16:28	142-28-9	

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ANALYTICAL RESULTS

Project: TD P3 3RD QTR GW

Pace Project No.: 40174909

Sample: MW-16 **Lab ID: 40174909006** Collected: 08/28/18 00:00 Received: 08/30/18 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		08/31/18 16:28	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		08/31/18 16:28	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		08/31/18 16:28	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		08/31/18 16:28	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		08/31/18 16:28	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		08/31/18 16:28	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		08/31/18 16:28	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		08/31/18 16:28	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		08/31/18 16:28	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		08/31/18 16:28	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		08/31/18 16:28	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		08/31/18 16:28	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		08/31/18 16:28	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		08/31/18 16:28	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		08/31/18 16:28	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		08/31/18 16:28	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		08/31/18 16:28	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		08/31/18 16:28	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		08/31/18 16:28	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		08/31/18 16:28	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		08/31/18 16:28	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		08/31/18 16:28	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		08/31/18 16:28	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		08/31/18 16:28	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		08/31/18 16:28	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		08/31/18 16:28	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		08/31/18 16:28	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		08/31/18 16:28	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		08/31/18 16:28	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		08/31/18 16:28	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		08/31/18 16:28	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		08/31/18 16:28	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		08/31/18 16:28	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		08/31/18 16:28	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		08/31/18 16:28	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		08/31/18 16:28	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		08/31/18 16:28	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		08/31/18 16:28	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		08/31/18 16:28	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		08/31/18 16:28	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		08/31/18 16:28	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		08/31/18 16:28	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		08/31/18 16:28	460-00-4	HS
Dibromofluoromethane (S)	101	%	70-130		1		08/31/18 16:28	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		08/31/18 16:28	2037-26-5	

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ANALYTICAL RESULTS

Project: TD P3 3RD QTR GW

Pace Project No.: 40174909

Sample: MW-19 **Lab ID: 40174909007** Collected: 08/28/18 00:00 Received: 08/30/18 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		08/31/18 16:50	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		08/31/18 16:50	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		08/31/18 16:50	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		08/31/18 16:50	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		08/31/18 16:50	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		08/31/18 16:50	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		08/31/18 16:50	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		08/31/18 16:50	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		08/31/18 16:50	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		08/31/18 16:50	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		08/31/18 16:50	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		08/31/18 16:50	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		08/31/18 16:50	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		08/31/18 16:50	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		08/31/18 16:50	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		08/31/18 16:50	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		08/31/18 16:50	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		08/31/18 16:50	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		08/31/18 16:50	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		08/31/18 16:50	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		08/31/18 16:50	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		08/31/18 16:50	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		08/31/18 16:50	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		08/31/18 16:50	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		08/31/18 16:50	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		08/31/18 16:50	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		08/31/18 16:50	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		08/31/18 16:50	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		08/31/18 16:50	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		08/31/18 16:50	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		08/31/18 16:50	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		08/31/18 16:50	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		08/31/18 16:50	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		08/31/18 16:50	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		08/31/18 16:50	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		08/31/18 16:50	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		08/31/18 16:50	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		08/31/18 16:50	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		08/31/18 16:50	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		08/31/18 16:50	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		08/31/18 16:50	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		08/31/18 16:50	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		08/31/18 16:50	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		08/31/18 16:50	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		08/31/18 16:50	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		08/31/18 16:50	127-18-4	

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ANALYTICAL RESULTS

Project: TD P3 3RD QTR GW

Pace Project No.: 40174909

Sample: MW-19 **Lab ID: 40174909007** Collected: 08/28/18 00:00 Received: 08/30/18 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Toluene	<0.17	ug/L	5.0	0.17	1		08/31/18 16:50	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		08/31/18 16:50	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		08/31/18 16:50	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		08/31/18 16:50	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		08/31/18 16:50	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		08/31/18 16:50	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		08/31/18 16:50	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		08/31/18 16:50	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		08/31/18 16:50	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		08/31/18 16:50	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		08/31/18 16:50	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		08/31/18 16:50	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		08/31/18 16:50	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		08/31/18 16:50	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		08/31/18 16:50	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		08/31/18 16:50	460-00-4	HS
Dibromofluoromethane (S)	99	%	70-130		1		08/31/18 16:50	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		08/31/18 16:50	2037-26-5	

Sample: TRIP BLANK **Lab ID: 40174909008** Collected: 08/28/18 00:00 Received: 08/30/18 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		08/31/18 16:43	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		08/31/18 16:43	71-55-6	
1,1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		08/31/18 16:43	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		08/31/18 16:43	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		08/31/18 16:43	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		08/31/18 16:43	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		08/31/18 16:43	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		08/31/18 16:43	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		08/31/18 16:43	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		08/31/18 16:43	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		08/31/18 16:43	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		08/31/18 16:43	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		08/31/18 16:43	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		08/31/18 16:43	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		08/31/18 16:43	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		08/31/18 16:43	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		08/31/18 16:43	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		08/31/18 16:43	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		08/31/18 16:43	142-28-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TD P3 3RD QTR GW

Pace Project No.: 40174909

Sample: TRIP BLANK **Lab ID: 40174909008** Collected: 08/28/18 00:00 Received: 08/30/18 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		08/31/18 16:43	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		08/31/18 16:43	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		08/31/18 16:43	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		08/31/18 16:43	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		08/31/18 16:43	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		08/31/18 16:43	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		08/31/18 16:43	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		08/31/18 16:43	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		08/31/18 16:43	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		08/31/18 16:43	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		08/31/18 16:43	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		08/31/18 16:43	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		08/31/18 16:43	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		08/31/18 16:43	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		08/31/18 16:43	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		08/31/18 16:43	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		08/31/18 16:43	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		08/31/18 16:43	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		08/31/18 16:43	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		08/31/18 16:43	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		08/31/18 16:43	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		08/31/18 16:43	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		08/31/18 16:43	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		08/31/18 16:43	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		08/31/18 16:43	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		08/31/18 16:43	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		08/31/18 16:43	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		08/31/18 16:43	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		08/31/18 16:43	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		08/31/18 16:43	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		08/31/18 16:43	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		08/31/18 16:43	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		08/31/18 16:43	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		08/31/18 16:43	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		08/31/18 16:43	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		08/31/18 16:43	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		08/31/18 16:43	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		08/31/18 16:43	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		08/31/18 16:43	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		08/31/18 16:43	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		08/31/18 16:43	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		08/31/18 16:43	10061-02-6	L1
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		08/31/18 16:43	460-00-4	
Dibromofluoromethane (S)	106	%	70-130		1		08/31/18 16:43	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		08/31/18 16:43	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TD P3 3RD QTR GW
Pace Project No.: 40174909

QC Batch: 298866 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40174909001, 40174909002, 40174909003, 40174909008

METHOD BLANK: 1745232 Matrix: Water
Associated Lab Samples: 40174909001, 40174909002, 40174909003, 40174909008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	08/31/18 07:27	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	08/31/18 07:27	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	08/31/18 07:27	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	08/31/18 07:27	
1,1-Dichloroethane	ug/L	<0.27	1.0	08/31/18 07:27	
1,1-Dichloroethene	ug/L	<0.24	1.0	08/31/18 07:27	
1,1-Dichloropropene	ug/L	<0.54	1.8	08/31/18 07:27	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	08/31/18 07:27	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	08/31/18 07:27	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	08/31/18 07:27	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	08/31/18 07:27	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	08/31/18 07:27	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	08/31/18 07:27	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	08/31/18 07:27	
1,2-Dichloroethane	ug/L	<0.28	1.0	08/31/18 07:27	
1,2-Dichloropropane	ug/L	<0.28	1.0	08/31/18 07:27	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	08/31/18 07:27	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	08/31/18 07:27	
1,3-Dichloropropane	ug/L	<0.83	2.8	08/31/18 07:27	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	08/31/18 07:27	
2,2-Dichloropropane	ug/L	<2.3	7.6	08/31/18 07:27	
2-Chlorotoluene	ug/L	<0.93	5.0	08/31/18 07:27	
4-Chlorotoluene	ug/L	<0.76	2.5	08/31/18 07:27	
Benzene	ug/L	<0.25	1.0	08/31/18 07:27	
Bromobenzene	ug/L	<0.24	1.0	08/31/18 07:27	
Bromochloromethane	ug/L	<0.36	5.0	08/31/18 07:27	
Bromodichloromethane	ug/L	<0.36	1.2	08/31/18 07:27	
Bromoform	ug/L	<4.0	13.2	08/31/18 07:27	
Bromomethane	ug/L	<0.97	5.0	08/31/18 07:27	
Carbon tetrachloride	ug/L	<0.17	1.0	08/31/18 07:27	
Chlorobenzene	ug/L	<0.71	2.4	08/31/18 07:27	
Chloroethane	ug/L	<1.3	5.0	08/31/18 07:27	
Chloroform	ug/L	<1.3	5.0	08/31/18 07:27	
Chloromethane	ug/L	<2.2	7.3	08/31/18 07:27	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	08/31/18 07:27	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	08/31/18 07:27	
Dibromochloromethane	ug/L	<2.6	8.7	08/31/18 07:27	
Dibromomethane	ug/L	<0.94	3.1	08/31/18 07:27	
Dichlorodifluoromethane	ug/L	<0.50	5.0	08/31/18 07:27	
Diisopropyl ether	ug/L	<1.9	6.3	08/31/18 07:27	
Ethylbenzene	ug/L	<0.22	1.0	08/31/18 07:27	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TD P3 3RD QTR GW

Pace Project No.: 40174909

METHOD BLANK: 1745232

Matrix: Water

Associated Lab Samples: 40174909001, 40174909002, 40174909003, 40174909008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<1.2	5.0	08/31/18 07:27	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	08/31/18 07:27	
m&p-Xylene	ug/L	<0.47	2.0	08/31/18 07:27	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	08/31/18 07:27	
Methylene Chloride	ug/L	<0.58	5.0	08/31/18 07:27	
n-Butylbenzene	ug/L	<0.71	2.4	08/31/18 07:27	
n-Propylbenzene	ug/L	<0.81	5.0	08/31/18 07:27	
Naphthalene	ug/L	<1.2	5.0	08/31/18 07:27	
o-Xylene	ug/L	<0.26	1.0	08/31/18 07:27	
p-Isopropyltoluene	ug/L	<0.80	2.7	08/31/18 07:27	
sec-Butylbenzene	ug/L	<0.85	5.0	08/31/18 07:27	
Styrene	ug/L	<0.47	1.6	08/31/18 07:27	
tert-Butylbenzene	ug/L	<0.30	1.0	08/31/18 07:27	
Tetrachloroethene	ug/L	<0.33	1.1	08/31/18 07:27	
Toluene	ug/L	<0.17	5.0	08/31/18 07:27	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	08/31/18 07:27	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	08/31/18 07:27	
Trichloroethene	ug/L	<0.26	1.0	08/31/18 07:27	
Trichlorofluoromethane	ug/L	<0.21	1.0	08/31/18 07:27	
Vinyl chloride	ug/L	<0.17	1.0	08/31/18 07:27	
4-Bromofluorobenzene (S)	%	92	70-130	08/31/18 07:27	
Dibromofluoromethane (S)	%	101	70-130	08/31/18 07:27	
Toluene-d8 (S)	%	104	70-130	08/31/18 07:27	

LABORATORY CONTROL SAMPLE: 1745233

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	56.3	113	70-133	
1,1,2,2-Tetrachloroethane	ug/L	50	59.5	119	67-130	
1,1,2-Trichloroethane	ug/L	50	59.3	119	70-130	
1,1-Dichloroethane	ug/L	50	48.4	97	70-134	
1,1-Dichloroethene	ug/L	50	51.3	103	75-132	
1,2,4-Trichlorobenzene	ug/L	50	55.4	111	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	60.5	121	60-126	
1,2-Dibromoethane (EDB)	ug/L	50	55.2	110	70-130	
1,2-Dichlorobenzene	ug/L	50	54.3	109	70-130	
1,2-Dichloroethane	ug/L	50	62.7	125	73-134	
1,2-Dichloropropane	ug/L	50	60.4	121	79-128	
1,3-Dichlorobenzene	ug/L	50	53.5	107	70-130	
1,4-Dichlorobenzene	ug/L	50	54.7	109	70-130	
Benzene	ug/L	50	58.2	116	69-137	
Bromodichloromethane	ug/L	50	58.7	117	70-130	
Bromoform	ug/L	50	50.2	100	64-133	
Bromomethane	ug/L	50	30.2	60	29-123	

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QUALITY CONTROL DATA

Project: TD P3 3RD QTR GW
Pace Project No.: 40174909

LABORATORY CONTROL SAMPLE: 1745233

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	54.9	110	73-142	
Chlorobenzene	ug/L	50	56.4	113	70-130	
Chloroethane	ug/L	50	45.3	91	59-133	
Chloroform	ug/L	50	58.5	117	80-129	
Chloromethane	ug/L	50	39.9	80	27-125	
cis-1,2-Dichloroethene	ug/L	50	54.2	108	70-134	
cis-1,3-Dichloropropene	ug/L	50	57.7	115	70-130	
Dibromochloromethane	ug/L	50	54.8	110	70-130	
Dichlorodifluoromethane	ug/L	50	24.7	49	12-127	
Ethylbenzene	ug/L	50	61.1	122	86-127	
Isopropylbenzene (Cumene)	ug/L	50	62.7	125	70-130	
m&p-Xylene	ug/L	100	119	119	70-131	
Methyl-tert-butyl ether	ug/L	50	40.1	80	65-136	
Methylene Chloride	ug/L	50	49.5	99	72-133	
o-Xylene	ug/L	50	58.8	118	70-130	
Styrene	ug/L	50	62.1	124	70-130	
Tetrachloroethene	ug/L	50	53.5	107	70-130	
Toluene	ug/L	50	59.2	118	84-124	
trans-1,2-Dichloroethene	ug/L	50	51.2	102	70-133	
trans-1,3-Dichloropropene	ug/L	50	66.5	133	67-130 L1	
Trichloroethene	ug/L	50	57.4	115	70-130	
Trichlorofluoromethane	ug/L	50	50.0	100	69-147	
Vinyl chloride	ug/L	50	43.1	86	48-134	
4-Bromofluorobenzene (S)	%			105	70-130	
Dibromofluoromethane (S)	%			101	70-130	
Toluene-d8 (S)	%			103	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1745284 1745285

Parameter	Units	40174920006		MSD		MSD		% Rec	% Rec	% Rec	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
1,1,1-Trichloroethane	ug/L	<0.24	50	50	56.9	56.3	114	113	70-136	1	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	58.8	57.5	118	115	67-133	2	20	
1,1,2-Trichloroethane	ug/L	<0.55	50	50	58.1	57.2	116	114	70-130	2	20	
1,1-Dichloroethane	ug/L	<0.27	50	50	47.9	46.9	96	94	70-139	2	20	
1,1-Dichloroethene	ug/L	<0.24	50	50	52.6	52.3	105	105	72-137	1	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	54.0	54.5	108	109	68-130	1	20	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	60.6	57.7	121	115	60-130	5	21	
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	54.5	53.1	109	106	70-130	2	20	
1,2-Dichlorobenzene	ug/L	<0.71	50	50	53.4	54.2	107	108	70-130	2	20	
1,2-Dichloroethane	ug/L	<0.28	50	50	63.9	62.8	128	126	71-137	2	20	
1,2-Dichloropropane	ug/L	<0.28	50	50	59.7	58.4	119	117	78-130	2	20	
1,3-Dichlorobenzene	ug/L	<0.63	50	50	53.3	53.3	107	107	70-130	0	20	
1,4-Dichlorobenzene	ug/L	<0.94	50	50	54.4	54.5	109	109	70-130	0	20	

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QUALITY CONTROL DATA

Project: TD P3 3RD QTR GW

Pace Project No.: 40174909

Parameter	Units	40174920006		1745284		1745285		% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec						
Benzene	ug/L	<0.25	50	50	58.6	57.9	117	116	66-143	1	20		
Bromodichloromethane	ug/L	<0.36	50	50	57.4	57.3	115	115	70-130	0	20		
Bromoform	ug/L	<4.0	50	50	49.6	48.2	99	96	64-134	3	20		
Bromomethane	ug/L	<0.97	50	50	33.8	32.8	68	66	29-136	3	25		
Carbon tetrachloride	ug/L	<0.17	50	50	55.9	54.8	112	110	73-142	2	20		
Chlorobenzene	ug/L	<0.71	50	50	55.9	54.8	112	110	70-130	2	20		
Chloroethane	ug/L	<1.3	50	50	49.4	47.4	99	95	58-138	4	20		
Chloroform	ug/L	<1.3	50	50	57.3	57.2	115	114	80-131	0	20		
Chloromethane	ug/L	<2.2	50	50	49.6	47.7	99	95	24-125	4	20		
cis-1,2-Dichloroethene	ug/L	<0.27	50	50	54.6	54.2	109	108	68-137	1	22		
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	57.1	56.9	114	114	70-130	0	20		
Dibromochloromethane	ug/L	<2.6	50	50	53.1	52.8	106	106	70-131	1	20		
Dichlorodifluoromethane	ug/L	<0.50	50	50	44.1	43.0	88	86	10-127	3	20		
Ethylbenzene	ug/L	<0.22	50	50	60.4	58.9	121	118	81-136	3	20		
Isopropylbenzene (Cumene)	ug/L	<0.39	50	50	61.7	61.2	123	122	70-132	1	20		
m&p-Xylene	ug/L	<0.47	100	100	119	116	119	116	70-135	2	20		
Methyl-tert-butyl ether	ug/L	<1.2	50	50	39.4	38.8	79	78	58-142	1	23		
Methylene Chloride	ug/L	<0.58	50	50	50.2	48.7	100	97	69-137	3	20		
o-Xylene	ug/L	<0.26	50	50	58.6	57.0	117	114	70-132	3	20		
Styrene	ug/L	<0.47	50	50	60.9	60.0	122	120	70-130	1	20		
Tetrachloroethene	ug/L	<0.33	50	50	53.1	52.2	106	104	70-132	2	20		
Toluene	ug/L	<0.17	50	50	58.4	57.1	117	114	81-130	2	20		
trans-1,2-Dichloroethene	ug/L	<1.1	50	50	50.9	50.0	102	100	70-136	2	20		
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	66.1	64.1	132	128	67-130	3	20	MO	
Trichloroethene	ug/L	<0.26	50	50	56.8	56.6	114	113	70-131	0	20		
Trichlorofluoromethane	ug/L	<0.21	50	50	52.9	51.7	106	103	66-150	2	20		
Vinyl chloride	ug/L	<0.17	50	50	50.6	49.6	101	99	46-134	2	20		
4-Bromofluorobenzene (S)	%						104	103	70-130				
Dibromofluoromethane (S)	%						100	101	70-130				
Toluene-d8 (S)	%						103	102	70-130				

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TD P3 3RD QTR GW
Pace Project No.: 40174909

QC Batch: 298874 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40174909004, 40174909005, 40174909006, 40174909007

METHOD BLANK: 1745249 Matrix: Water
Associated Lab Samples: 40174909004, 40174909005, 40174909006, 40174909007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	08/31/18 07:30	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	08/31/18 07:30	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	08/31/18 07:30	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	08/31/18 07:30	
1,1-Dichloroethane	ug/L	<0.27	1.0	08/31/18 07:30	
1,1-Dichloroethene	ug/L	<0.24	1.0	08/31/18 07:30	
1,1-Dichloropropene	ug/L	<0.54	1.8	08/31/18 07:30	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	08/31/18 07:30	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	08/31/18 07:30	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	08/31/18 07:30	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	08/31/18 07:30	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	08/31/18 07:30	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	08/31/18 07:30	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	08/31/18 07:30	
1,2-Dichloroethane	ug/L	<0.28	1.0	08/31/18 07:30	
1,2-Dichloropropane	ug/L	<0.28	1.0	08/31/18 07:30	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	08/31/18 07:30	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	08/31/18 07:30	
1,3-Dichloropropane	ug/L	<0.83	2.8	08/31/18 07:30	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	08/31/18 07:30	
2,2-Dichloropropane	ug/L	<2.3	7.6	08/31/18 07:30	
2-Chlorotoluene	ug/L	<0.93	5.0	08/31/18 07:30	
4-Chlorotoluene	ug/L	<0.76	2.5	08/31/18 07:30	
Benzene	ug/L	<0.25	1.0	08/31/18 07:30	
Bromobenzene	ug/L	<0.24	1.0	08/31/18 07:30	
Bromochloromethane	ug/L	<0.36	5.0	08/31/18 07:30	
Bromodichloromethane	ug/L	<0.36	1.2	08/31/18 07:30	
Bromoform	ug/L	<4.0	13.2	08/31/18 07:30	
Bromomethane	ug/L	<0.97	5.0	08/31/18 07:30	
Carbon tetrachloride	ug/L	<0.17	1.0	08/31/18 07:30	
Chlorobenzene	ug/L	<0.71	2.4	08/31/18 07:30	
Chloroethane	ug/L	<1.3	5.0	08/31/18 07:30	
Chloroform	ug/L	<1.3	5.0	08/31/18 07:30	
Chloromethane	ug/L	<2.2	7.3	08/31/18 07:30	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	08/31/18 07:30	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	08/31/18 07:30	
Dibromochloromethane	ug/L	<2.6	8.7	08/31/18 07:30	
Dibromomethane	ug/L	<0.94	3.1	08/31/18 07:30	
Dichlorodifluoromethane	ug/L	<0.50	5.0	08/31/18 07:30	
Diisopropyl ether	ug/L	<1.9	6.3	08/31/18 07:30	
Ethylbenzene	ug/L	<0.22	1.0	08/31/18 07:30	

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QUALITY CONTROL DATA

Project: TD P3 3RD QTR GW
Pace Project No.: 40174909

METHOD BLANK: 1745249 Matrix: Water
Associated Lab Samples: 40174909004, 40174909005, 40174909006, 40174909007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<1.2	5.0	08/31/18 07:30	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	08/31/18 07:30	
m&p-Xylene	ug/L	<0.47	2.0	08/31/18 07:30	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	08/31/18 07:30	
Methylene Chloride	ug/L	<0.58	5.0	08/31/18 07:30	
n-Butylbenzene	ug/L	<0.71	2.4	08/31/18 07:30	
n-Propylbenzene	ug/L	<0.81	5.0	08/31/18 07:30	
Naphthalene	ug/L	<1.2	5.0	08/31/18 07:30	
o-Xylene	ug/L	<0.26	1.0	08/31/18 07:30	
p-Isopropyltoluene	ug/L	<0.80	2.7	08/31/18 07:30	
sec-Butylbenzene	ug/L	<0.85	5.0	08/31/18 07:30	
Styrene	ug/L	<0.47	1.6	08/31/18 07:30	
tert-Butylbenzene	ug/L	<0.30	1.0	08/31/18 07:30	
Tetrachloroethene	ug/L	<0.33	1.1	08/31/18 07:30	
Toluene	ug/L	<0.17	5.0	08/31/18 07:30	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	08/31/18 07:30	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	08/31/18 07:30	
Trichloroethene	ug/L	<0.26	1.0	08/31/18 07:30	
Trichlorofluoromethane	ug/L	<0.21	1.0	08/31/18 07:30	
Vinyl chloride	ug/L	<0.17	1.0	08/31/18 07:30	
4-Bromofluorobenzene (S)	%	97	70-130	08/31/18 07:30	
Dibromofluoromethane (S)	%	100	70-130	08/31/18 07:30	
Toluene-d8 (S)	%	101	70-130	08/31/18 07:30	

LABORATORY CONTROL SAMPLE: 1745250

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	47.6	95	70-133	
1,1,2,2-Tetrachloroethane	ug/L	50	47.8	96	67-130	
1,1,2-Trichloroethane	ug/L	50	49.2	98	70-130	
1,1-Dichloroethane	ug/L	50	48.6	97	70-134	
1,1-Dichloroethene	ug/L	50	49.3	99	75-132	
1,2,4-Trichlorobenzene	ug/L	50	48.3	97	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	44.9	90	60-126	
1,2-Dibromoethane (EDB)	ug/L	50	49.6	99	70-130	
1,2-Dichlorobenzene	ug/L	50	48.7	97	70-130	
1,2-Dichloroethane	ug/L	50	45.3	91	73-134	
1,2-Dichloropropane	ug/L	50	47.0	94	79-128	
1,3-Dichlorobenzene	ug/L	50	49.0	98	70-130	
1,4-Dichlorobenzene	ug/L	50	48.5	97	70-130	
Benzene	ug/L	50	49.4	99	69-137	
Bromodichloromethane	ug/L	50	46.0	92	70-130	
Bromoform	ug/L	50	42.6	85	64-133	
Bromomethane	ug/L	50	26.6	53	29-123	

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QUALITY CONTROL DATA

Project: TD P3 3RD QTR GW
Pace Project No.: 40174909

LABORATORY CONTROL SAMPLE: 1745250

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	47.4	95	73-142	
Chlorobenzene	ug/L	50	48.8	98	70-130	
Chloroethane	ug/L	50	40.1	80	59-133	
Chloroform	ug/L	50	45.9	92	80-129	
Chloromethane	ug/L	50	28.4	57	27-125	
cis-1,2-Dichloroethene	ug/L	50	49.0	98	70-134	
cis-1,3-Dichloropropene	ug/L	50	46.7	93	70-130	
Dibromochloromethane	ug/L	50	47.4	95	70-130	
Dichlorodifluoromethane	ug/L	50	22.0	44	12-127	
Ethylbenzene	ug/L	50	50.0	100	86-127	
Isopropylbenzene (Cumene)	ug/L	50	50.0	100	70-130	
m&p-Xylene	ug/L	100	102	102	70-131	
Methyl-tert-butyl ether	ug/L	50	44.9	90	65-136	
Methylene Chloride	ug/L	50	46.9	94	72-133	
o-Xylene	ug/L	50	50.4	101	70-130	
Styrene	ug/L	50	50.2	100	70-130	
Tetrachloroethene	ug/L	50	50.1	100	70-130	
Toluene	ug/L	50	49.3	99	84-124	
trans-1,2-Dichloroethene	ug/L	50	49.8	100	70-133	
trans-1,3-Dichloropropene	ug/L	50	46.7	93	67-130	
Trichloroethene	ug/L	50	49.2	98	70-130	
Trichlorofluoromethane	ug/L	50	44.6	89	69-147	
Vinyl chloride	ug/L	50	36.7	73	48-134	
4-Bromofluorobenzene (S)	%			98	70-130	
Dibromofluoromethane (S)	%			101	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1745311 1745312

Parameter	Units	40174949001		MSD		MSD		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec					
1,1,1-Trichloroethane	ug/L	<0.24	50	50	49.8	50.2	100	100	70-136	1	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	48.4	50.2	97	100	67-133	4	20		
1,1,2-Trichloroethane	ug/L	<0.55	50	50	50.0	51.4	100	103	70-130	3	20		
1,1-Dichloroethane	ug/L	<0.27	50	50	50.1	50.1	100	100	70-139	0	20		
1,1-Dichloroethene	ug/L	<0.24	50	50	53.1	53.0	106	106	72-137	0	20		
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	51.0	52.2	102	104	68-130	2	20		
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	46.7	49.4	93	99	60-130	6	21		
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	50.6	51.8	101	104	70-130	2	20		
1,2-Dichlorobenzene	ug/L	<0.71	50	50	49.8	50.9	100	102	70-130	2	20		
1,2-Dichloroethane	ug/L	<0.28	50	50	47.4	46.8	95	94	71-137	1	20		
1,2-Dichloropropane	ug/L	<0.28	50	50	47.8	48.4	96	97	78-130	1	20		
1,3-Dichlorobenzene	ug/L	<0.63	50	50	50.1	51.5	100	103	70-130	3	20		
1,4-Dichlorobenzene	ug/L	<0.94	50	50	49.6	50.6	99	101	70-130	2	20		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TD P3 3RD QTR GW

Pace Project No.: 40174909

Parameter	Units	1745311		1745312		MS % Rec	MSD % Rec	% Rec	Limits	RPD	Max RPD	Qual
		40174949001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
Benzene	ug/L	0.50J	50	50	51.2	51.6	101	102	66-143	1	20	
Bromodichloromethane	ug/L	<0.36	50	50	47.4	48.3	95	97	70-130	2	20	
Bromoform	ug/L	<4.0	50	50	44.4	46.1	89	92	64-134	4	20	
Bromomethane	ug/L	<0.97	50	50	35.0	38.7	70	77	29-136	10	25	
Carbon tetrachloride	ug/L	<0.17	50	50	50.1	50.5	100	101	73-142	1	20	
Chlorobenzene	ug/L	<0.71	50	50	50.7	51.7	101	103	70-130	2	20	
Chloroethane	ug/L	<1.3	50	50	49.6	49.1	99	98	58-138	1	20	
Chloroform	ug/L	<1.3	50	50	46.6	46.6	93	93	80-131	0	20	
Chloromethane	ug/L	<2.2	50	50	37.0	38.5	74	77	24-125	4	20	
cis-1,2-Dichloroethene	ug/L	<0.27	50	50	50.7	50.6	101	101	68-137	0	22	
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	47.9	49.1	96	98	70-130	2	20	
Dibromochloromethane	ug/L	<2.6	50	50	49.2	50.7	98	101	70-131	3	20	
Dichlorodifluoromethane	ug/L	<0.50	50	50	41.4	41.8	83	84	10-127	1	20	
Ethylbenzene	ug/L	<0.22	50	50	51.8	52.9	104	106	81-136	2	20	
Isopropylbenzene (Cumene)	ug/L	0.64J	50	50	52.5	53.5	104	106	70-132	2	20	
m&p-Xylene	ug/L	<0.47	100	100	106	107	105	107	70-135	1	20	
Methyl-tert-butyl ether	ug/L	<1.2	50	50	45.7	46.1	91	92	58-142	1	23	
Methylene Chloride	ug/L	<0.58	50	50	48.0	48.1	96	96	69-137	0	20	
o-Xylene	ug/L	0.31J	50	50	52.2	53.2	104	106	70-132	2	20	
Styrene	ug/L	<0.47	50	50	51.4	52.5	103	105	70-130	2	20	
Tetrachloroethene	ug/L	<0.33	50	50	53.1	53.4	106	107	70-132	1	20	
Toluene	ug/L	<0.17	50	50	51.5	52.1	103	104	81-130	1	20	
trans-1,2-Dichloroethene	ug/L	<1.1	50	50	51.7	52.0	103	104	70-136	1	20	
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	48.5	49.2	97	98	67-130	2	20	
Trichloroethene	ug/L	<0.26	50	50	50.4	51.6	101	103	70-131	2	20	
Trichlorofluoromethane	ug/L	<0.21	50	50	49.3	49.4	99	99	66-150	0	20	
Vinyl chloride	ug/L	<0.17	50	50	44.8	45.0	90	90	46-134	0	20	
4-Bromofluorobenzene (S)	%						99	98	70-130			
Dibromofluoromethane (S)	%						101	100	70-130			
Toluene-d8 (S)	%						101	101	70-130			

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: TD P3 3RD QTR GW

Pace Project No.: 40174909

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).

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

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: TD P3 3RD QTR GW

Pace Project No.: 40174909

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40174909001	MW-402N	EPA 8260	298866		
40174909002	MW-11	EPA 8260	298866		
40174909003	MW-12	EPA 8260	298866		
40174909004	MW-13	EPA 8260	298874		
40174909005	MW-15	EPA 8260	298874		
40174909006	MW-16	EPA 8260	298874		
40174909007	MW-19	EPA 8260	298874		
40174909008	TRIP BLANK	EPA 8260	298866		

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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.

40174909
Page: / of /

Section A

Required Client Information:

Section B

Required Project Information:

Section C

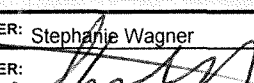
Invoice Information:

Company: Environmental Audits Inc.	Report To: jrruetz@yahoo.com;	Attention: John Ruetz
Address: 11327 W Lincoln Avenue West Allis WI 53051	Copy To: eeriil@wi.rr.com; john@environmentalaudits.net steph@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 Fax:	Project Name: TD P3 3rd Qtr GW	Pace Quote Reference:
Requested Due Date/TAT:	Project Number:	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	WI	
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 Y/N	VOC	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.		
					COMPOSITE START		COMPOSITE END/GRAB				Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃						Methanol	Other
					DATE	TIME	DATE	TIME															
1	MW - 402 N		GW	G	8/28/18				3				x								001		
2	MW-11		GW	G	8/28/18				3				x								002		
3	MW - 12		GW	G	8/28/18				3				x								003		
4	MW - 13		GW	G	8/28/18				3				x								004		
5	MW - 15		GW	G	8/28/18				3				x								005		
6	MW - 16		GW	G	8/28/18				3				x								006		
7	MW - 19		GW	G	8/28/18				3				x								007		
8	OTRIP OLANK																				8/29/18 008		
9																							
10																							
11																							
12																							

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
① Lab added to COC - arrived in shipment 8/29/18	Stephanie Wagner	8/28/18		Mary Fannin	8/29/18	1552				
	Mary Fannin	8/29/18	1630							
	CS LOGISTICS	8/30/18	1000	J. W. Pace	8/30/18	1000	ROI	✓	✓	✓

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples intact (Y/N)
PRINT Name of SAMPLER: Stephanie Wagner	SIGNATURE of SAMPLER: 				
	DATE Signed (MM/DD/YY): 8/28/18				

Sample Preservation Receipt Form

Client Name: EA

Project # 40174909

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

Initial when completed:

Date/Time:

Lab Lot# of pH paper:

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

Pace Lab #	Glass							Plastic							Vials					Jars			General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥8	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)					
	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3C	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU	WPFU	SP5T	ZPLC								GN				
001																	3																				2.5 / 5 / 10
002																	3																				2.5 / 5 / 10
003																	3																				2.5 / 5 / 10
004																	3																				2.5 / 5 / 10
005																	3																				2.5 / 5 / 10
006																	3																				2.5 / 5 / 10
007																	3																				2.5 / 5 / 10
008																	2																				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	
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.07

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

Sample Condition Upon Receipt Form (SCUR)

Project #: _____

Client Name: ENVIRONMENTAL AUDITS (EA)

WO#: **40174909**



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: Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 201 / Corr: _____

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

Person examining contents:
Date: 8/30/18
Initials: JM

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

Chain of Custody Present: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>no collect time JM 8/30/18</u>
Chain of Custody Relinquished: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3. <u>no time JM 8/30/18</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 - VOA Samples frozen upon receipt <input type="checkbox"/> Yes <input type="checkbox"/> No	5. Date/Time: _____
Short Hold Time Analysis (<72hr): <u>no 8/30/18</u> <input checked="" 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: 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	8.
Correct Containers Used: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No - 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	9.
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: <u>JM 8/30/18</u> <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A - Includes date/time/ID/Analysis Matrix: <u>W</u>	12. <u>10:00 as "MW-402" JM 8/30/18</u>
Trip Blank Present: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>402</u>	

Client Notification/ Resolution: _____

If checked, see attached form for additional comments

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: Lab added TR to COC - arrived w/ shipment; client returned 17 V694; 10:00 03 vials waxy/ovl MS. due → FREE product JM 8/30/18

Project Manager Review: _____

AL GR DM

Date: 8/30/18

March 19, 2019

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

RE: Project: TD-BROACH-QTR 1
Pace Project No.: 40184238

Dear John Ruetz:

Enclosed are the analytical results for sample(s) received by the laboratory on March 15, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



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

Enclosures

cc: Ed Raymond, Environmental Audits, Inc
Steve Tiber, Environmental Audits Inc.
Stephanie Wagner, Environmental Audits, Inc.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: TD-BROACH-QTR 1

Pace Project No.: 40184238

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: TD-BROACH-QTR 1

Pace Project No.: 40184238

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40184238001	MW-15	Water	03/14/19 11:00	03/15/19 08:55
40184238002	CR-1	Water	03/14/19 11:00	03/15/19 08:55
40184238003	CR-2	Water	03/14/19 11:00	03/15/19 08:55

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SAMPLE ANALYTE COUNT

Project: TD-BROACH-QTR 1

Pace Project No.: 40184238

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40184238001	MW-15	EPA 8260	HNW	64
40184238002	CR-1	EPA 8260	HNW	64
40184238003	CR-2	EPA 8260	HNW	64

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TD-BROACH-QTR 1

Pace Project No.: 40184238

Sample: MW-15 **Lab ID: 40184238001** Collected: 03/14/19 11:00 Received: 03/15/19 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	<0.27	ug/L	1.0	0.27	1		03/18/19 21:58	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		03/18/19 21:58	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		03/18/19 21:58	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		03/18/19 21:58	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		03/18/19 21:58	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		03/18/19 21:58	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		03/18/19 21:58	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		03/18/19 21:58	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		03/18/19 21:58	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		03/18/19 21:58	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		03/18/19 21:58	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		03/18/19 21:58	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		03/18/19 21:58	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		03/18/19 21:58	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		03/18/19 21:58	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		03/18/19 21:58	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		03/18/19 21:58	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		03/18/19 21:58	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		03/18/19 21:58	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		03/18/19 21:58	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		03/18/19 21:58	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		03/18/19 21:58	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		03/18/19 21:58	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		03/18/19 21:58	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		03/18/19 21:58	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		03/18/19 21:58	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		03/18/19 21:58	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		03/18/19 21:58	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		03/18/19 21:58	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		03/18/19 21:58	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		03/18/19 21:58	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		03/18/19 21:58	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		03/18/19 21:58	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		03/18/19 21:58	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		03/18/19 21:58	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		03/18/19 21:58	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		03/18/19 21:58	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		03/18/19 21:58	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		03/18/19 21:58	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		03/18/19 21:58	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		03/18/19 21:58	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		03/18/19 21:58	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		03/18/19 21:58	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		03/18/19 21:58	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		03/18/19 21:58	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		03/18/19 21:58	127-18-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TD-BROACH-QTR 1

Pace Project No.: 40184238

Sample: MW-15 **Lab ID: 40184238001** Collected: 03/14/19 11:00 Received: 03/15/19 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Toluene	<0.17	ug/L	5.0	0.17	1		03/18/19 21:58	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		03/18/19 21:58	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		03/18/19 21:58	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		03/18/19 21:58	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		03/18/19 21:58	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		03/18/19 21:58	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		03/18/19 21:58	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		03/18/19 21:58	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		03/18/19 21:58	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		03/18/19 21:58	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		03/18/19 21:58	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		03/18/19 21:58	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		03/18/19 21:58	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		03/18/19 21:58	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		03/18/19 21:58	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		03/18/19 21:58	460-00-4	
Dibromofluoromethane (S)	113	%	70-130		1		03/18/19 21:58	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		03/18/19 21:58	2037-26-5	

Sample: CR-1 **Lab ID: 40184238002** Collected: 03/14/19 11:00 Received: 03/15/19 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	<0.27	ug/L	1.0	0.27	1		03/18/19 13:11	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		03/18/19 13:11	71-55-6	
1,1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		03/18/19 13:11	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		03/18/19 13:11	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		03/18/19 13:11	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		03/18/19 13:11	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		03/18/19 13:11	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		03/18/19 13:11	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		03/18/19 13:11	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		03/18/19 13:11	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		03/18/19 13:11	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		03/18/19 13:11	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		03/18/19 13:11	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		03/18/19 13:11	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		03/18/19 13:11	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		03/18/19 13:11	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		03/18/19 13:11	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		03/18/19 13:11	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		03/18/19 13:11	142-28-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TD-BROACH-QTR 1

Pace Project No.: 40184238

Sample: CR-1 **Lab ID: 40184238002** Collected: 03/14/19 11:00 Received: 03/15/19 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		03/18/19 13:11	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		03/18/19 13:11	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		03/18/19 13:11	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		03/18/19 13:11	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		03/18/19 13:11	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		03/18/19 13:11	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		03/18/19 13:11	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		03/18/19 13:11	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		03/18/19 13:11	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		03/18/19 13:11	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		03/18/19 13:11	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		03/18/19 13:11	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		03/18/19 13:11	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		03/18/19 13:11	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		03/18/19 13:11	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		03/18/19 13:11	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		03/18/19 13:11	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		03/18/19 13:11	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		03/18/19 13:11	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		03/18/19 13:11	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		03/18/19 13:11	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		03/18/19 13:11	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		03/18/19 13:11	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		03/18/19 13:11	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		03/18/19 13:11	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		03/18/19 13:11	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		03/18/19 13:11	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		03/18/19 13:11	108-88-3	
Trichloroethene	0.43J	ug/L	1.0	0.26	1		03/18/19 13:11	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		03/18/19 13:11	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		03/18/19 13:11	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		03/18/19 13:11	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		03/18/19 13:11	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		03/18/19 13:11	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		03/18/19 13:11	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		03/18/19 13:11	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		03/18/19 13:11	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		03/18/19 13:11	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		03/18/19 13:11	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		03/18/19 13:11	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		03/18/19 13:11	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		03/18/19 13:11	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		03/18/19 13:11	460-00-4	
Dibromofluoromethane (S)	112	%	70-130		1		03/18/19 13:11	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		03/18/19 13:11	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TD-BROACH-QTR 1

Pace Project No.: 40184238

Sample: CR-2 **Lab ID: 40184238003** Collected: 03/14/19 11:00 Received: 03/15/19 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	<0.27	ug/L	1.0	0.27	1		03/18/19 13:34	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		03/18/19 13:34	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		03/18/19 13:34	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		03/18/19 13:34	79-00-5	
1,1-Dichloroethane	4.3	ug/L	1.0	0.27	1		03/18/19 13:34	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		03/18/19 13:34	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		03/18/19 13:34	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		03/18/19 13:34	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		03/18/19 13:34	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		03/18/19 13:34	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		03/18/19 13:34	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		03/18/19 13:34	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		03/18/19 13:34	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		03/18/19 13:34	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		03/18/19 13:34	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		03/18/19 13:34	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		03/18/19 13:34	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		03/18/19 13:34	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		03/18/19 13:34	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		03/18/19 13:34	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		03/18/19 13:34	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		03/18/19 13:34	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		03/18/19 13:34	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		03/18/19 13:34	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		03/18/19 13:34	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		03/18/19 13:34	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		03/18/19 13:34	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		03/18/19 13:34	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		03/18/19 13:34	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		03/18/19 13:34	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		03/18/19 13:34	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		03/18/19 13:34	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		03/18/19 13:34	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		03/18/19 13:34	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		03/18/19 13:34	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		03/18/19 13:34	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		03/18/19 13:34	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		03/18/19 13:34	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		03/18/19 13:34	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		03/18/19 13:34	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		03/18/19 13:34	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		03/18/19 13:34	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		03/18/19 13:34	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		03/18/19 13:34	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		03/18/19 13:34	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		03/18/19 13:34	127-18-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TD-BROACH-QTR 1

Pace Project No.: 40184238

Sample: CR-2 **Lab ID: 40184238003** Collected: 03/14/19 11:00 Received: 03/15/19 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Toluene	<0.17	ug/L	5.0	0.17	1		03/18/19 13:34	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		03/18/19 13:34	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		03/18/19 13:34	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		03/18/19 13:34	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		03/18/19 13:34	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		03/18/19 13:34	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		03/18/19 13:34	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		03/18/19 13:34	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		03/18/19 13:34	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		03/18/19 13:34	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		03/18/19 13:34	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		03/18/19 13:34	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		03/18/19 13:34	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		03/18/19 13:34	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		03/18/19 13:34	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		03/18/19 13:34	460-00-4	
Dibromofluoromethane (S)	112	%	70-130		1		03/18/19 13:34	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		03/18/19 13:34	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TD-BROACH-QTR 1
Pace Project No.: 40184238

QC Batch: 315636 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40184238001, 40184238002, 40184238003

METHOD BLANK: 1836043 Matrix: Water
Associated Lab Samples: 40184238001, 40184238002, 40184238003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	03/18/19 08:21	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	03/18/19 08:21	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	03/18/19 08:21	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	03/18/19 08:21	
1,1-Dichloroethane	ug/L	<0.27	1.0	03/18/19 08:21	
1,1-Dichloroethene	ug/L	<0.24	1.0	03/18/19 08:21	
1,1-Dichloropropene	ug/L	<0.54	1.8	03/18/19 08:21	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	03/18/19 08:21	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	03/18/19 08:21	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	03/18/19 08:21	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	03/18/19 08:21	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	03/18/19 08:21	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	03/18/19 08:21	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	03/18/19 08:21	
1,2-Dichloroethane	ug/L	<0.28	1.0	03/18/19 08:21	
1,2-Dichloropropane	ug/L	<0.28	1.0	03/18/19 08:21	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	03/18/19 08:21	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	03/18/19 08:21	
1,3-Dichloropropane	ug/L	<0.83	2.8	03/18/19 08:21	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	03/18/19 08:21	
2,2-Dichloropropane	ug/L	<2.3	7.6	03/18/19 08:21	
2-Chlorotoluene	ug/L	<0.93	5.0	03/18/19 08:21	
4-Chlorotoluene	ug/L	<0.76	2.5	03/18/19 08:21	
Benzene	ug/L	<0.25	1.0	03/18/19 08:21	
Bromobenzene	ug/L	<0.24	1.0	03/18/19 08:21	
Bromochloromethane	ug/L	<0.36	5.0	03/18/19 08:21	
Bromodichloromethane	ug/L	<0.36	1.2	03/18/19 08:21	
Bromoform	ug/L	<4.0	13.2	03/18/19 08:21	
Bromomethane	ug/L	<0.97	5.0	03/18/19 08:21	
Carbon tetrachloride	ug/L	<0.17	1.0	03/18/19 08:21	
Chlorobenzene	ug/L	<0.71	2.4	03/18/19 08:21	
Chloroethane	ug/L	<1.3	5.0	03/18/19 08:21	
Chloroform	ug/L	<1.3	5.0	03/18/19 08:21	
Chloromethane	ug/L	<2.2	7.3	03/18/19 08:21	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	03/18/19 08:21	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	03/18/19 08:21	
Dibromochloromethane	ug/L	<2.6	8.7	03/18/19 08:21	
Dibromomethane	ug/L	<0.94	3.1	03/18/19 08:21	
Dichlorodifluoromethane	ug/L	<0.50	5.0	03/18/19 08:21	
Diisopropyl ether	ug/L	<1.9	6.3	03/18/19 08:21	
Ethylbenzene	ug/L	<0.22	1.0	03/18/19 08:21	

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QUALITY CONTROL DATA

Project: TD-BROACH-QTR 1

Pace Project No.: 40184238

METHOD BLANK: 1836043

Matrix: Water

Associated Lab Samples: 40184238001, 40184238002, 40184238003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<1.2	5.0	03/18/19 08:21	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	03/18/19 08:21	
m&p-Xylene	ug/L	<0.47	2.0	03/18/19 08:21	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	03/18/19 08:21	
Methylene Chloride	ug/L	<0.58	5.0	03/18/19 08:21	
n-Butylbenzene	ug/L	<0.71	2.4	03/18/19 08:21	
n-Propylbenzene	ug/L	<0.81	5.0	03/18/19 08:21	
Naphthalene	ug/L	<1.2	5.0	03/18/19 08:21	
o-Xylene	ug/L	<0.26	1.0	03/18/19 08:21	
p-Isopropyltoluene	ug/L	<0.80	2.7	03/18/19 08:21	
sec-Butylbenzene	ug/L	<0.85	5.0	03/18/19 08:21	
Styrene	ug/L	<0.47	1.6	03/18/19 08:21	
tert-Butylbenzene	ug/L	<0.30	1.0	03/18/19 08:21	
Tetrachloroethene	ug/L	<0.33	1.1	03/18/19 08:21	
Toluene	ug/L	<0.17	5.0	03/18/19 08:21	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	03/18/19 08:21	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	03/18/19 08:21	
Trichloroethene	ug/L	<0.26	1.0	03/18/19 08:21	
Trichlorofluoromethane	ug/L	<0.21	1.0	03/18/19 08:21	
Vinyl chloride	ug/L	<0.17	1.0	03/18/19 08:21	
4-Bromofluorobenzene (S)	%	101	70-130	03/18/19 08:21	
Dibromofluoromethane (S)	%	109	70-130	03/18/19 08:21	
Toluene-d8 (S)	%	103	70-130	03/18/19 08:21	

LABORATORY CONTROL SAMPLE: 1836044

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	53.8	108	70-133	
1,1,1,2-Tetrachloroethane	ug/L	50	51.8	104	67-130	
1,1,2-Trichloroethane	ug/L	50	52.5	105	70-130	
1,1-Dichloroethane	ug/L	50	61.4	123	70-134	
1,1-Dichloroethene	ug/L	50	55.5	111	75-132	
1,2,4-Trichlorobenzene	ug/L	50	45.8	92	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	48.1	96	60-126	
1,2-Dibromoethane (EDB)	ug/L	50	49.5	99	70-130	
1,2-Dichlorobenzene	ug/L	50	49.7	99	70-130	
1,2-Dichloroethane	ug/L	50	58.8	118	73-134	
1,2-Dichloropropane	ug/L	50	53.6	107	79-128	
1,3-Dichlorobenzene	ug/L	50	50.4	101	70-130	
1,4-Dichlorobenzene	ug/L	50	50.5	101	70-130	
Benzene	ug/L	50	56.5	113	69-137	
Bromodichloromethane	ug/L	50	50.3	101	70-130	
Bromoform	ug/L	50	39.6	79	64-133	
Bromomethane	ug/L	50	56.7	113	29-123	

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QUALITY CONTROL DATA

Project: TD-BROACH-QTR 1

Pace Project No.: 40184238

LABORATORY CONTROL SAMPLE: 1836044

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	51.4	103	73-142	
Chlorobenzene	ug/L	50	51.1	102	70-130	
Chloroethane	ug/L	50	55.5	111	59-133	
Chloroform	ug/L	50	53.8	108	80-129	
Chloromethane	ug/L	50	36.6	73	27-125	
cis-1,2-Dichloroethene	ug/L	50	57.1	114	70-134	
cis-1,3-Dichloropropene	ug/L	50	48.3	97	70-130	
Dibromochloromethane	ug/L	50	47.1	94	70-130	
Dichlorodifluoromethane	ug/L	50	30.5	61	12-127	
Ethylbenzene	ug/L	50	52.8	106	86-127	
Isopropylbenzene (Cumene)	ug/L	50	52.1	104	70-130	
m&p-Xylene	ug/L	100	105	105	70-131	
Methyl-tert-butyl ether	ug/L	50	52.5	105	65-136	
Methylene Chloride	ug/L	50	56.4	113	72-133	
o-Xylene	ug/L	50	51.2	102	70-130	
Styrene	ug/L	50	52.3	105	70-130	
Tetrachloroethene	ug/L	50	48.3	97	70-130	
Toluene	ug/L	50	52.0	104	84-124	
trans-1,2-Dichloroethene	ug/L	50	57.5	115	70-133	
trans-1,3-Dichloropropene	ug/L	50	48.0	96	67-130	
Trichloroethene	ug/L	50	52.7	105	70-130	
Trichlorofluoromethane	ug/L	50	59.2	118	69-147	
Vinyl chloride	ug/L	50	46.8	94	48-134	
4-Bromofluorobenzene (S)	%			100	70-130	
Dibromofluoromethane (S)	%			111	70-130	
Toluene-d8 (S)	%			102	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1836659 1836660

Parameter	Units	40184223029		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec					
1,1,1-Trichloroethane	ug/L	<0.24	50	50	54.8	53.2	110	106	70-136	3	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	53.6	53.1	107	106	67-133	1	20		
1,1,2-Trichloroethane	ug/L	<0.55	50	50	53.2	52.3	106	105	70-130	2	20		
1,1-Dichloroethane	ug/L	<0.27	50	50	62.6	60.6	125	121	70-139	3	20		
1,1-Dichloroethene	ug/L	<0.24	50	50	57.0	55.0	114	110	72-137	4	20		
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	48.5	47.0	95	92	68-130	3	20		
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	49.4	49.3	99	99	60-130	0	21		
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	50.0	49.8	100	100	70-130	0	20		
1,2-Dichlorobenzene	ug/L	<0.71	50	50	51.2	49.4	102	98	70-130	4	20		
1,2-Dichloroethane	ug/L	<0.28	50	50	59.9	58.2	120	116	71-137	3	20		
1,2-Dichloropropane	ug/L	<0.28	50	50	54.2	52.8	108	106	78-130	2	20		
1,3-Dichlorobenzene	ug/L	<0.63	50	50	51.1	49.7	102	99	70-130	3	20		
1,4-Dichlorobenzene	ug/L	<0.94	50	50	51.3	50.3	102	100	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-BROACH-QTR 1

Pace Project No.: 40184238

Parameter	Units	1836659		1836660		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40184223029 Result	MS Spike Conc.	MSD Spike Conc.	MSD Result							
Benzene	ug/L	<0.25	50	50	57.4	55.5	115	111	66-143	3	20	
Bromodichloromethane	ug/L	<0.36	50	50	51.1	50.4	102	101	70-130	1	20	
Bromoform	ug/L	<4.0	50	50	40.5	40.6	81	81	64-134	0	20	
Bromomethane	ug/L	<0.97	50	50	63.4	63.0	126	126	29-136	1	25	
Carbon tetrachloride	ug/L	<0.17	50	50	53.1	51.6	106	103	73-142	3	20	
Chlorobenzene	ug/L	<0.71	50	50	51.5	49.8	103	100	70-130	3	20	
Chloroethane	ug/L	<1.3	50	50	59.1	55.9	118	112	58-138	6	20	
Chloroform	ug/L	<1.3	50	50	57.7	55.7	115	111	80-131	3	20	
Chloromethane	ug/L	<2.2	50	50	40.8	39.8	82	80	24-125	2	20	
cis-1,2-Dichloroethene	ug/L	<0.27	50	50	58.4	56.6	117	113	68-137	3	22	
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	49.5	48.0	99	96	70-130	3	20	
Dibromochloromethane	ug/L	<2.6	50	50	48.5	47.9	97	96	70-131	1	20	
Dichlorodifluoromethane	ug/L	<0.50	50	50	40.6	39.4	81	79	10-127	3	20	
Ethylbenzene	ug/L	<0.22	50	50	53.1	51.8	106	104	81-136	2	20	
Isopropylbenzene (Cumene)	ug/L	<0.39	50	50	52.5	51.0	105	102	70-132	3	20	
m&p-Xylene	ug/L	<0.47	100	100	105	102	105	102	70-135	3	20	
Methyl-tert-butyl ether	ug/L	<1.2	50	50	53.6	52.1	107	104	58-142	3	23	
Methylene Chloride	ug/L	<0.58	50	50	57.7	56.3	115	112	69-137	2	20	
o-Xylene	ug/L	<0.26	50	50	50.9	49.7	102	99	70-132	2	20	
Styrene	ug/L	<0.47	50	50	52.3	50.9	104	102	70-130	3	20	
Tetrachloroethene	ug/L	<0.33	50	50	48.4	47.6	97	95	70-132	2	20	
Toluene	ug/L	0.26J	50	50	52.7	51.2	105	102	81-130	3	20	
trans-1,2-Dichloroethene	ug/L	<1.1	50	50	58.4	56.1	116	112	70-136	4	20	
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	49.0	48.0	98	96	67-130	2	20	
Trichloroethene	ug/L	<0.26	50	50	52.8	52.0	106	104	70-131	2	20	
Trichlorofluoromethane	ug/L	<0.21	50	50	61.4	59.3	123	119	66-150	3	20	
Vinyl chloride	ug/L	<0.17	50	50	50.3	48.9	101	98	46-134	3	20	
4-Bromofluorobenzene (S)	%						100	99	70-130			
Dibromofluoromethane (S)	%						112	111	70-130			
Toluene-d8 (S)	%						102	102	70-130			

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: TD-BROACH-QTR 1

Pace Project No.: 40184238

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: TD-BROACH-QTR 1
Pace Project No.: 40184238

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40184238001	MW-15	EPA 8260	315636		
40184238002	CR-1	EPA 8260	315636		
40184238003	CR-2	EPA 8260	315636		

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: **Enviro Audits (EA1)**
 Branch/Location: **WEST ALLIS**
 Project Contact: **J. RUTZ**
 Phone: **414-491-4292**
 Project Number: **TD-BROACH-QTR1**
 Project Name: **TD-BROACH-QTR1**
 Project State: **WI**
 Sampled By (Print): **S. TIBER**
 Sampled By (Sign): *[Signature]*
 PO #:



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

46184238

CHAIN OF CUSTODY

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

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

Y / N	Pick Letter	Analyses Requested
	B	VOC

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

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

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

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

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
001	MW-15	03/14	11Am	GW
002	CR-1	↓	↓	↓
003	CR-2	↓	↓	↓

Rush Turnaround Time Requested - Prelims
 (Rush TAT subject to approval/surcharge)
 Date Needed:
 Transmit Prelim Rush Results by (complete what you want):
 Email #1:
 Email #2:
 Telephone:
 Fax:
 Samples on HOLD are subject to special pricing and release of liability

Relinquished By: <i>S. TIBER</i>	Date/Time: 03/14/19	Received By:	Date/Time:
Relinquished By: <i>[Signature]</i>	Date/Time: 3/15/19 0855	Received By: <i>Susan Miller</i>	Date/Time: 3/15/19 0855
Relinquished By:	Date/Time:	Received By: <i>[Signature]</i>	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:

PACE Project No. **46184238**
 Receipt Temp = **ROT** °C
 Sample Receipt pH
 OK / Adjusted
 Cooler Custody Seal
 Present / Not Present
 Intact / Not Intact

Sample Preservation Receipt Form

Client Name: Enviro Audits Project # 40184238

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 #	Glass							Plastic							Vials				Jars			General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)							
	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3C	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU	WPFU	SP5T								ZPLC	GN					
001																																						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		
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:	



1241 Bellevue Street, Green Bay, WI 54302

Document Name:
Sample Condition Upon Receipt (SCUR)

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

Document Revised: 25Apr2018

Issuing Authority:
Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

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

Project #:

WO#: **40184238**



40184238

Tracking #: 1950031419

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: Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 20.5 / Corr: _____

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

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

Person examining contents:

Date: 3-15-19
Initials: SCW

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 Filter, Mail, Invoice</u> 3-15-19 SCW
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12. <u>one label in bubble bag for</u>
-Includes date/time/ID/Analysis Matrix: <u>W</u>		<u>3 vials</u> 3-15-19 SCW
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): _____		

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

Project Manager Review: [Signature] Date: 03/15/19

Appendix IV – Mann-Kendalls

**State of Wisconsin
Department of Natural Resources**

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

Remediation and Redevelopment Program

Notice: This form is the DNR supplied spreadsheet referenced in Appendices A of Comm 46 and NR 746, Wis. Adm. Code. It is provided to consultants as an optional tool for groundwater contaminant trend analysis to support site closure requests under s. Comm 46.07, Comm 46.08, NR 746.07, NR 746.08, Wis. Adm. Code. Use this form or a manual method when seeking case closure under those rules. Earlier versions of this form should not be used.

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-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	17-Aug-13	0.19					
2	26-Feb-14	16.40					
3	26-Aug-14	0.91					
4	21-Jan-15	0.27					
5	21-Jul-15	0.25					
6	20-Jan-16	0.14					
7	2-Mar-17						
8	25-Jul-17						
9	22-Feb-18						
10	28-Aug-18						

Mann Kendall Statistic (S) =	-7.0	0.0	0.0	0.0	0.0	0.0
Number of Rounds (n) =	6	0	0	0	0	0
Average =	3.03	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Standard Deviation =	6.558	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Coefficient of Variation(CV)=	2.167	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

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

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

Trend ≥ 90% Confidence Level 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 = **5-Sep-18** Checked By = **EER**

**State of Wisconsin
Department of Natural Resources**

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

Remediation and Redevelopment Program

Notice: This form is the DNR supplied spreadsheet referenced in Appendices A of Comm 46 and NR 746, Wis. Adm. Code. It is provided to consultants as an optional tool for groundwater contaminant trend analysis to support site closure requests under s. Comm 46.07, Comm 46.08, NR 746.07, NR 746.08, Wis. Adm. Code. Use this form or a manual method when seeking case closure under those rules. Earlier versions of this form should not be used.

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-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	3-Jun-14	2.20	33.00	153.00	22.10	216.40	
2	24-Oct-14	1.40	111.00	704.00	364.00	1,242.12	
3	27-Apr-15	0.45	46.40	268.00	40.60	368.60	
4	14-Oct-15	0.48	53.60	353.00	53.60	477.60	
5	15-Jun-16		47.60	1.80	36.80	387.90	
6	30-Nov-16		32.20	363.00	55.40	460.40	
7	16-Jun-17		38.40	292.00	41.30	385.00	
8	23-May-18		16.30	217.00	30.60	272.37	
9	20-Nov-18		9.70	309.00	43.50	363.77	
10	16-Apr-19		9.20	271.00	29.00	314.50	

Mann Kendall Statistic (S) =	-4.0	-29.0	-1.0	-7.0	-13.0	0.0
Number of Rounds (n) =	4	10	10	10	10	0
Average =	1.13	39.74	293.18	71.69	448.87	#DIV/0!
Standard Deviation =	0.837	29.561	179.183	103.231	289.623	#DIV/0!
Coefficient of Variation(CV)=	0.739	0.744	0.611	1.440	0.645	#DIV/0!

Error Check, Blank if No Errors Detected n<4

Trend ≥ 80% Confidence Level	DECREASING	DECREASING	No Trend	No Trend	DECREASING	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	NA	n<4
--	----	----	--------------------------	---------------------------------	----	-----

Data Entry By = **EER** Date = **25-Apr-19** 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	22-Oct-14	0.36	298.00	6.10	1.20	209.00	553.45
2	23-Apr-15	0.52	140.00	5.90	0.85	6.90	156.60
3	14-Oct-15	0.21	111.00	5.70	0.82	6.10	127.30
4	15-Jun-16		122.00	5.90	0.75	7.00	139.31
5	16-Nov-16		129.00	4.10	0.79	60.80	205.09
6	16-Jun-17		122.00	4.80	0.63	6.30	136.62
7	12-Dec-17		98.90	3.80	0.62	14.00	119.40
8	23-May-18		151.00	4.20	0.66	49.70	220.21
9	20-Nov-18		73.80	2.50		4.60	81.53
10	16-Apr-19		126.00	4.40		5.20	137.25

Mann Kendall Statistic (S) =	-1.0	-14.0	-28.0	-22.0	-13.0	-15.0
Number of Rounds (n) =	3	10	10	8	10	10
Average =	0.36	137.17	4.74	0.79	36.96	187.68
Standard Deviation =	0.155	60.445	1.164	0.187	63.775	134.652
Coefficient of Variation(CV)=	0.427	0.441	0.245	0.237	1.726	0.717

Error Check, Blank if No Errors Detected n<4

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

Stability Test, If No Trend Exists at 80% Confidence Level	n<4 n<4	NA	NA	NA	NA	NA
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Data Entry By = **EER** Date = **25-Apr-19** 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-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	17-Aug-13	0.02	0.59				
2	26-Feb-14	0.54	0.77				
3	26-Aug-14	1.10	8.70				
4	21-Jan-15	0.64	0.94				
5	21-Jul-15	0.30	4.90				
6	20-Jan-16	0.22	0.54				
7	21-Sep-16		0.54				
8	2-Mar-17		1.10				
9	25-Jul-17		0.55				
10	28-Aug-18						

Mann Kendall Statistic (S) =	-1.0	-5.0	0.0	0.0	0.0	0.0
Number of Rounds (n) =	6	9	0	0	0	0
Average =	0.47	2.07	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Standard Deviation =	0.381	2.852	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Coefficient of Variation(CV)=	0.810	1.378	#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 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 = **5-Sep-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-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	13-Mar-10	14.50					
2	15-Sep-10	840.00					
3	31-Jan-11	7.51					
4	31-Oct-11	18,000.00					
5	28-Apr-12	446,000.00					
6	18-May-13	69,500.00					
7	4-Jun-14	9,090.00					
8	27-Apr-15	582.00					
9	11-May-16						
10	16-Apr-19						

Mann Kendall Statistic (S) =	6.0	0.0	0.0	0.0	0.0	0.0
Number of Rounds (n) =	8	0	0	0	0	0
Average =	68004.25	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Standard Deviation =	154530.301	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Coefficient of Variation(CV)=	2.272	#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 = **25-Apr-19** 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-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	29-Oct-14	289.00	305.56				
2	23-Apr-15	305.00	11.40				
3	11-Nov-15	9.80	2.97				
4	15-Jun-16		0.95				
5	16-Nov-16		37.00				
6	16-Jun-17						
7	12-Dec-17		4.10				
8	23-May-18		29.16				
9	20-Nov-18		2.10				
10	16-Apr-19		0.69				

Mann Kendall Statistic (S) =	-1.0	-16.0	0.0	0.0	0.0	0.0
Number of Rounds (n) =	3	9	0	0	0	0
Average =	201.27	43.77	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Standard Deviation =	166.008	99.061	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Coefficient of Variation(CV)=	0.825	2.263	#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	n<4	DECREASING	n<4	n<4	n<4	n<4
Trend ≥ 90% Confidence Level	n<4	DECREASING	n<4	n<4	n<4	n<4
Stability Test, If No Trend Exists at 80% Confidence Level	n<4		n<4	n<4	n<4	n<4
	n<4	NA	n<4	n<4	n<4	n<4

Data Entry By = **EER** Date = **25-Apr-19** Checked By = **EER**

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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	13-Mar-10	2.29					
2	15-Sep-10	115.00					
3	31-Jan-11	9.34					
4	31-Oct-11	13,000.00					
5	28-Apr-12	372,000.00					
6	18-May-13	35,500.00					
7	4-Jun-14	7,640.00					
8	27-Apr-15	1,180.00					
9	11-May-16						
10	16-Apr-19						

Mann Kendall Statistic (S) =	10.0	0.0	0.0	0.0	0.0	0.0
Number of Rounds (n) =	8	0	0	0	0	0
Average =	53680.83	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Standard Deviation =	129184.240	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Coefficient of Variation(CV)=	2.407	#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 = **25-Apr-19** Checked By = **EER**

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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	29-Oct-14	0.21	35.47				
2	23-Apr-15	0.35	0.76				
3	14-Oct-15	0.07	17.54				
4	15-Jun-16		0.50				
5	16-Nov-16		46.40				
6	16-Jun-17						
7	12-Dec-17		9.30				
8	23-May-18		56.30				
9	20-Nov-18		3.90				
10	16-Apr-19		3.44				

Mann Kendall Statistic (S) =	-1.0	-2.0	0.0	0.0	0.0	0.0
Number of Rounds (n) =	3	9	0	0	0	0
Average =	0.21	19.29	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Standard Deviation =	0.141	21.371	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Coefficient of Variation(CV)=	0.670	1.108	#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	n<4	No Trend	n<4	n<4	n<4	n<4
Trend ≥ 90% Confidence Level	n<4	No Trend	n<4	n<4	n<4	n<4
Stability Test, If No Trend Exists at 80% Confidence Level	n<4	CV > 1 NON-STABLE	n<4	n<4	n<4	n<4

Data Entry By = **EER** Date = **25-Apr-19** Checked By = **EER**

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

Compound ->		DRO	1,1-DCA				
Event Number	Sampling Date (most recent last)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)
1	26-Feb-14	0.54	0.77				
2	26-Aug-14	1.10	8.70				
3	21-Jan-15	0.64	0.94				
4	21-Jul-15	0.30	4.90				
5	20-Jan-16	0.22	0.54				
6	21-Sep-16		0.54				
7	2-Mar-17		1.10				
8	25-Jul-17		0.55				
9	28-Aug-18						
10	16-Apr-19						

Mann Kendall Statistic (S) =	-6.0	-7.0	0.0	0.0	0.0	0.0
Number of Rounds (n) =	5	8	0	0	0	0
Average =	0.56	2.26	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Standard Deviation =	0.347	2.990	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Coefficient of Variation(CV)=	0.620	1.326	#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 = **25-Apr-19** Checked By = **EER**

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

Compound ->		DRO	1,1-DCA	Total VOC			
Event Number	Sampling Date (most recent last)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)
1	29-Oct-14	52.40	104.00	458.91			
2	23-Apr-15	0.87	1.60	1.60			
3	11-Nov-15	4.50	2.80	6.97			
4	8-Jun-16		0.42	0.42			
5	16-Nov-16		9.70	25.50			
6	16-Jun-17		0.39	0.39			
7	12-Dec-17		0.28	0.29			
8	23-May-18						
9	20-Nov-18		0.39	1.28			
10	16-Apr-19		0.43	0.43			

Mann Kendall Statistic (S) =	-1.0	-17.0	-16.0	0.0	0.0	0.0
Number of Rounds (n) =	3	9	9	0	0	0
Average =	19.26	13.33	55.09	#DIV/0!	#DIV/0!	#DIV/0!
Standard Deviation =	28.760	34.134	151.653	#DIV/0!	#DIV/0!	#DIV/0!
Coefficient of Variation(CV)=	1.494	2.560	2.753	#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	n<4	DECREASING	DECREASING	n<4	n<4	n<4
Trend ≥ 90% Confidence Level	n<4	DECREASING	DECREASING	n<4	n<4	n<4
Stability Test, If No Trend Exists at 80% Confidence Level	n<4 n<4		NA	NA	n<4 n<4	n<4 n<4

Data Entry By = **EER** Date = **25-Apr-19** 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-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	15-Sep-10	10.00	3.51				
2	31-Jan-11	25.20	20.56				
3	31-Oct-11	9,500.00					
4	28-Apr-12	464,000.00					
5	18-Aug-12	13,000.00					
6	26-Jan-13	322.00					
7	4-Jun-14	1,590.00	209.30				
8	27-Apr-15	5,670.00					
9	11-May-16						
10	16-Apr-19						

Mann Kendall Statistic (S) =	8.0	3.0	0.0	0.0	0.0	0.0
Number of Rounds (n) =	8	3	0	0	0	0
Average =	61764.65	77.79	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Standard Deviation =	162599.884	114.210	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Coefficient of Variation(CV)=	2.633	1.468	#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 = **25-Apr-19** Checked By = **EER**

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

Mann Kendall Statistic (S) =	2.0	0.0	0.0	0.0	0.0	0.0
Number of Rounds (n) =	5	0	0	0	0	0
Average =	0.50	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Standard Deviation =	0.460	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Coefficient of Variation(CV)=	0.916	#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 = **5-Sep-18** Checked By = **EER**

**State of Wisconsin
Department of Natural Resources**

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Form 4400-215 (2/2001)**

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Site Name : **Twin Disc Plant 3** BRRTS No. = **02-52-000072** Well Number = **MW-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	26-Feb-14	1,900.00					
2	26-Aug-14	810.00					
3	21-Jan-15	4,340.00					
4	21-Jul-15	1,630.00					
5	20-Jan-16	1,600.00					
6	21-Sep-16						
7	2-Mar-17						
8	25-Jul-17						
9	22-Feb-18						
10	28-Aug-18						

Mann Kendall Statistic (S) =	-2.0	0.0	0.0	0.0	0.0	0.0
Number of Rounds (n) =	5	0	0	0	0	0
Average =	2056.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Standard Deviation =	1340.049	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Coefficient of Variation(CV)=	0.652	#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**

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Department of Natural Resources**

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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	26-Feb-14	23.20					
2	26-Aug-14	3.50					
3	24-Jan-15	0.83					
4	21-Jul-15	0.27					
5	20-Jan-16	0.15					
6	21-Sep-16						
7	2-Mar-17						
8	25-Jul-17						
9	22-Feb-18						
10	18-Aug-18						

Mann Kendall Statistic (S) =	-10.0	0.0	0.0	0.0	0.0	0.0
Number of Rounds (n) =	5	0	0	0	0	0
Average =	5.59	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Standard Deviation =	9.938	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Coefficient of Variation(CV)=	1.778	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

Error Check, Blank if No Errors Detected		n<4	n<4	n<4	n<4	n<4
Trend ≥ 80% Confidence Level	DECREASING	n<4	n<4	n<4	n<4	n<4
Trend ≥ 90% Confidence Level	DECREASING	n<4	n<4	n<4	n<4	n<4
Stability Test, If No Trend Exists at 80% Confidence Level	NA	n<4	n<4	n<4	n<4	n<4

Data Entry By = **EER** Date = ***/5/18** Checked By = **EER**

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

Compound ->		DRO	1,1-DCA	cis-1,2-DCE	Total VOC		
Event Number	Sampling Date (most recent last)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)
1	29-Oct-14	64.40	76.40	1.50	363.90		
2	23-Apr-15	27.00	3.50	0.99	6.58		
3	11-Nov-15	16.00	6.40	1.00	11.80		
4	8-Jun-16		1.30	1.30	2.60		
5	16-Nov-16		16.30	1.30	39.40		
6	16-Jun-17		1.90	1.00	2.90		
7	12-Dec-17		5.90	1.30	11.80		
8	23-May-18		33.80	0.89	57.69		
9	20-Nov-18		3.90	0.88	5.49		
10	16-Apr-19		1.50	0.85	2.35		

Mann Kendall Statistic (S) =	-3.0	-9.0	-23.0	-12.0	0.0	0.0
Number of Rounds (n) =	3	10	10	10	0	0
Average =	35.80	15.09	1.10	50.45	#DIV/0!	#DIV/0!
Standard Deviation =	25.372	23.755	0.228	111.666	#DIV/0!	#DIV/0!
Coefficient of Variation(CV)=	0.709	1.574	0.207	2.213	#DIV/0!	#DIV/0!

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

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

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

Data Entry By = **EER** Date = **25-Apr-19** Checked By = **EER**

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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	26-Aug-14	1.10	277.00	13.80	4.40	8.30	335.49
2	21-Jan-15	0.34	230.00	17.00	6.90	8.90	265.38
3	21-Jul-15	8.90	209.00	9.40	4.40	6.90	429.30
4	20-Jan-16	0.71	212.00	10.40	6.70	9.40	239.24
5	21-Sep-16		193.00	15.40	4.30	8.50	221.30
6	2-Mar-17		216.00	14.80	3.60	7.50	243.00
7	25-Jul-17		168.00	7.90	3.00	6.10	337.88
8	22-Feb-18		181.00	9.60	7.20	8.00	206.75
9	28-Aug-18		161.00	8.10			172.18
10	19-Feb-19		178.00	13.60	4.90	6.40	202.90

Mann Kendall Statistic (S) =	0.0	-31.0	-13.0	-5.0	-14.0	-25.0
Number of Rounds (n) =	4	10	10	9	9	10
Average =	2.76	202.50	12.00	5.04	7.78	265.34
Standard Deviation =	4.103	34.459	3.288	1.521	1.134	79.019
Coefficient of Variation(CV)=	1.485	0.170	0.274	0.301	0.146	0.298

Error Check, Blank if No Errors Detected

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

Stability Test, If No Trend Exists at 80% Confidence Level	CV > 1 NON-STABLE	NA	NA	CV ≤ 1 STABLE	NA	NA
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Data Entry By = **EER** Date = **6-Mar-19** Checked By = **EER**

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

Event Number	Compound -> Sampling Date (most recent last)	DRO Concentration (leave blank if no data)	cis-1,2-DCE Concentration (leave blank if no data)	trans-1,2-DCE Concentration (leave blank if no data)	Tetra-CE Concentration (leave blank if no data)	Vinyl Chloride Concentration (leave blank if no data)	Total VOC Concentration (leave blank if no data)
1	30-Apr-14	281.00	1.80	6.30	1.40	265.00	279.30
2	29-Oct-14	246.00	1.90	6.10	1.30	289.00	908.10
3	23-Apr-15	234.00	0.65	7.10		354.00	367.55
4	11-Nov-15	52.40	1.00	6.90		380.00	396.70
5	8-Jun-16		0.64	5.60		232.00	242.94
6	30-Nov-16		1.30	5.70		306.00	415.10
7	12-Dec-17			5.30		271.00	285.00
8	23-May-18		1.30	2.70		73.00	110.51
9	20-Nov-18		2.00	4.50		212.00	222.10
10	16-Apr-19		4.10	3.00	1.40	129.00	140.10

Mann Kendall Statistic (S) =	-6.0	11.0	-31.0	0.0	-19.0	-21.0
Number of Rounds (n) =	4	9	10	3	10	10
Average =	203.35	1.63	5.32	1.37	251.10	336.74
Standard Deviation =	102.590	1.054	1.505	0.058	94.731	224.821
Coefficient of Variation(CV)=	0.504	0.646	0.283	0.042	0.377	0.668

Error Check, Blank if No Errors Detected n<4

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

Stability Test, If No Trend Exists at 80% Confidence Level	NA	NA	NA	n<4 n<4	NA	NA
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Data Entry By = **EER** Date = **25-Apr-19** Checked By = **EER**

**State of Wisconsin
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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	29-Oct-14	145.00	129.00	494.64			
2	23-Apr-15	109.00	3.60	7.14			
3	4-Nov-15	24.50	2.60	2.60			
4	6-Jun-16		2.70	2.70			
5	16-Nov-16		38.70	80.32			
6	16-Jun-17		5.50	5.50			
7	12-Dec-17		5.60	12.60			
8	23-May-18		52.70	85.90			
9	20-Nov-18		2.00	2.89			
10	16-Apr-19		1.90	1.90			

Mann Kendall Statistic (S) =	-3.0	-11.0	-9.0	0.0	0.0	0.0
Number of Rounds (n) =	3	10	10	0	0	0
Average =	92.83	24.43	69.62	#DIV/0!	#DIV/0!	#DIV/0!
Standard Deviation =	61.855	40.885	152.860	#DIV/0!	#DIV/0!	#DIV/0!
Coefficient of Variation(CV)=	0.666	1.674	2.196	#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	n<4	DECREASING	No Trend	n<4	n<4	n<4
Trend ≥ 90% Confidence Level	n<4	No Trend	No Trend	n<4	n<4	n<4
Stability Test, If No Trend Exists at 80% Confidence Level	n<4	n<4	NA	CV > 1	n<4	n<4
	n<4			NON-STABLE	n<4	n<4

Data Entry By = **EER** Date = **25-Apr-19** 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-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	29-Oct-14	502.00	461.00	29.30	445.00	0.86	1,027.28
2	23-Apr-15	406.00	63.80		2.20		149.50
3	4-Nov-15	50.40	138.00	0.45		0.54	196.54
4	8-Jun-16		223.00				257.50
5	30-Nov-16		174.00		16.60		207.40
6	16-Jun-17		125.00				125.00
7	12-Dec-17		137.00		5.00		149.47
8	23-May-18		175.00	2.30	34.10		232.05
9	20-Nov-18		73.20		1.60		76.12
10	16-Apr-19		79.40				79.40

Mann Kendall Statistic (S) =	-3.0	-13.0	-1.0	-5.0	-1.0	-21.0
Number of Rounds (n) =	3	10	3	6	2	10
Average =	319.47	164.94	10.68	84.08	0.70	250.03
Standard Deviation =	237.911	115.600	16.149	177.243	0.226	279.759
Coefficient of Variation(CV)=	0.745	0.701	1.512	2.108	0.323	1.119

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

Data Entry By = **EER** Date = **25-Apr-19** Checked By = **EER**

**State of Wisconsin
Department of Natural Resources**

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

Compound ->		DRO	1,1-DCA	Total VOC			
Event Number	Sampling Date (most recent last)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)
1	10-Dec-14	8,470.00	30.80	70.10			
2	23-Apr-15	1,070.00	18.30	28.26			
3	4-Nov-15	646.00	21.60	32.20			
4	15-Jun-16		27.30	77.40			
5	30-Nov-16		29.90	53.60			
6	16-Jun-17		19.40	38.20			
7	12-Dec-17		22.90	34.14			
8	23-May-18		23.80	34.90			
9	20-Nov-18		16.80	16.80			
10	16-Apr-19		18.20	18.20			

Mann Kendall Statistic (S) =	-3.0	-15.0	-17.0	0.0	0.0	0.0
Number of Rounds (n) =	3	10	10	0	0	0
Average =	3395.33	22.90	40.38	#DIV/0!	#DIV/0!	#DIV/0!
Standard Deviation =	4399.901	5.011	20.451	#DIV/0!	#DIV/0!	#DIV/0!
Coefficient of Variation(CV)=	1.296	0.219	0.506	#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	n<4	DECREASING	DECREASING	n<4	n<4	n<4
Trend ≥ 90% Confidence Level	n<4	No Trend	DECREASING	n<4	n<4	n<4
Stability Test, If No Trend Exists at 80% Confidence Level	n<4			n<4	n<4	n<4
	n<4	NA	NA	n<4	n<4	n<4

Data Entry By = **EER** Date = **25-Apr-19** 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-1**

Compound ->		DRO	1,1-DCA	1,1-DCE	1,1,1-TCA	TCE	Total VOC
Event Number	Sampling Date (most recent last)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)
1	10-Dec-14	902.00	86.80		91.10		192.50
2	27-Apr-15	365.00	76.10				90.60
3	4-Nov-15	99.40	95.80				121.50
4	15-Jun-16		99.80	0.66	35.20		157.56
5	30-Nov-16		88.70		33.10		142.60
6	16-Jun-17		70.20		7.10		117.50
7	12-Dec-17		67.30		2.50		92.21
8	23-May-18		60.90	0.75	12.10		87.46
9	20-Nov-18		43.60				48.90
10	16-Apr-19		45.30				45.30

Mann Kendall Statistic (S) =	-3.0	-29.0	1.0	-11.0	0.0	-31.0
Number of Rounds (n) =	3	10	2	6	0	10
Average =	455.47	73.45	0.71	30.18	#DIV/0!	109.61
Standard Deviation =	408.876	19.723	0.064	32.774	#DIV/0!	46.474
Coefficient of Variation(CV)=	0.898	0.269	0.090	1.086	#DIV/0!	0.424

Error Check, Blank if No Errors Detected	n<4		n<4		n<4	
Trend ≥ 80% Confidence Level	n<4	DECREASING	n<4	DECREASING	n<4	DECREASING
Trend ≥ 90% Confidence Level	n<4	DECREASING	n<4	DECREASING	n<4	DECREASING
Stability Test, If No Trend Exists at 80% Confidence Level	n<4	NA	n<4	NA	n<4	NA

Data Entry By = **EER** Date = **25-Apr-19** Checked By = **EER**