Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

April 07, 2016

Matt Faust
Bristol Environmental Remediation Services, LLC
111 W. 16th Avenue
Anchorage, AK 99501

RE: Project: 34160024 Tower Standard
Pace Project No.: 10343074

Dear Matt Faust:
Enclosed are the analytical results for sample(s) received by the laboratory on March 30, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI 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,

Shawn Davis
shawn.davis@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: 34160024 Tower Standard
Pace Project No.: 10343074

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414
525 N 8th Street, Salina, KS 67401
A2LA Certification #: 2926.01
Alaska Certification #: UST-078
Alaska Certification #MN00064
Alabama Certification #40770
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
Colorado Certification #Pace
Connecticut Certification #: PH-0256
EPA Region 8 Certification #: 8TMS-L
Florida/NELAP Certification #: E87605
Guam Certification #:14-008r
Georgia Certification #: 959
Georgia EPD #: Pace
Idaho Certification #: MN00064
Hawaii Certification #MN00064
Illinois Certification #: 200011
Indiana Certification#C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky Dept of Envi. Protection - DW #90062
Kentucky Dept of Envi. Protection - WW #:90062
Louisiana DEQ Certification #: 3086
Louisiana DHH #: LA140001
Maine Certification #: 2013011
Maryland Certification #: 322
Michigan DEPH Certification #: 9909
Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace
Montana Certification #: MT0092
Nevada Certification #: MN_00064
Nebraska Certification #: Pace
New Jersey Certification #: MN-002
New York Certification #: 11647
North Carolina Certification #: 530
North Carolina State Public Health #: 27700
North Dakota Certification #: R-036
Ohio EPA #: 4150
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Oregon Certification #: MN300001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Saipan (CNMI) #:MP0003
South Carolina #:74003001
Texas Certification #: T104704192
Tennessee Certification #: 02818
Utah Certification #: MN000642013-4
Virginia DGS Certification #: 251
Virginia/VELAP Certification #: Pace
Washington Certification #: C486
West Virginia Certification #: 382
West Virginia DHHR #:9952C
Wisconsin Certification #: 999407970

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SAMPLE SUMMARY

Project: 34160024 Tower Standard
Pace Project No.: 10343074

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10343074001	**16TSGW01**	Water	03/29/16 10:30	03/30/16 10:55
10343074002	**16TSGW02**	Water	03/29/16 12:45	03/30/16 10:55
10343074003	**16TSGW03**	Water	03/29/16 13:00	03/30/16 10:55
10343074004	**16TSTB01**	Water	03/29/16 10:30	03/30/16 10:55

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SAMPLE ANALYTE COUNT

Project: 34160024 Tower Standard
Pace Project No.: 10343074

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10343074001	**16TSGW01**	EPA 6010C	IP	2	PASI-M
		EPA 8260B	PRD	70	PASI-M
		EPA 300.0	KEO	2	PASI-M
10343074002	**16TSGW02**	EPA 6010C	IP	2	PASI-M
		EPA 8260B	PRD	70	PASI-M
		EPA 300.0	KEO	2	PASI-M
10343074003	**16TSGW03**	EPA 6010C	IP	2	PASI-M
		EPA 8260B	PRD	70	PASI-M
		EPA 300.0	KEO	2	PASI-M
10343074004	**16TSTB01**	EPA 8260B	PRD	70	PASI-M

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PROJECT NARRATIVE

Project: 34160024 Tower Standard
Pace Project No.: 10343074

Method: **EPA 6010C**
Description: 6010C MET ICP
Client: Bristol Environmental Remediation Services, LLC
Date: April 07, 2016

General Information:
3 samples were analyzed for EPA 6010C. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: 34160024 Tower Standard
Pace Project No.: 10343074

Method: **EPA 8260B**
Description: 8260B VOC
Client: Bristol Environmental Remediation Services, LLC
Date: April 07, 2016

General Information:
4 samples were analyzed for EPA 8260B. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: 34160024 Tower Standard
Pace Project No.: 10343074

Method: **EPA 300.0**
Description: 300.0 IC Anions
Client: Bristol Environmental Remediation Services, LLC
Date: April 07, 2016

General Information:
3 samples were analyzed for EPA 300.0. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: WETA/26735

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10342478001,10342971002

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

- MS (Lab ID: 2220415)
  - Nitrate as N
  - Sulfate
- MSD (Lab ID: 2220416)
  - Nitrate as N
  - Sulfate

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: 34160024 Tower Standard
Pace Project No.: 10343074

Sample: 16TSGW01 **Lab ID: 10343074001** Collected: 03/29/16 10:30 Received: 03/30/16 10:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010C MET ICP	Analytical Method: EPA 6010C Preparation Method: EPA 3010								
Iron	**29700**	ug/L	34.0	10.2	1	03/31/16 21:32	04/06/16 13:42	7439-89-6	
Manganese	**1920**	ug/L	1.9	0.56	1	03/31/16 21:32	04/05/16 15:33	7439-96-5	
8260B VOC	Analytical Method: EPA 8260B								
Acetone	ND	ug/L	23.5	7.1	1		04/06/16 23:38	67-64-1	
Allyl chloride	ND	ug/L	1.9	0.58	1		04/06/16 23:38	107-05-1	
Benzene	**1.1**	ug/L	0.71	0.21	1		04/06/16 23:38	71-43-2	
Bromobenzene	ND	ug/L	0.82	0.25	1		04/06/16 23:38	108-86-1	
Bromochloromethane	ND	ug/L	1.1	0.34	1		04/06/16 23:38	74-97-5	
Bromodichloromethane	ND	ug/L	0.61	0.18	1		04/06/16 23:38	75-27-4	
Bromoform	ND	ug/L	1.4	0.41	1		04/06/16 23:38	75-25-2	
Bromomethane	ND	ug/L	1.2	0.36	1		04/06/16 23:38	74-83-9	
2-Butanone (MEK)	ND	ug/L	8.3	2.5	1		04/06/16 23:38	78-93-3	
n-Butylbenzene	ND	ug/L	0.28	0.083	1		04/06/16 23:38	104-51-8	
sec-Butylbenzene	ND	ug/L	0.55	0.16	1		04/06/16 23:38	135-98-8	
tert-Butylbenzene	ND	ug/L	0.62	0.18	1		04/06/16 23:38	98-06-6	
Carbon tetrachloride	ND	ug/L	1.2	0.35	1		04/06/16 23:38	56-23-5	
Chlorobenzene	ND	ug/L	0.77	0.23	1		04/06/16 23:38	108-90-7	
Chloroethane	ND	ug/L	1.1	0.34	1		04/06/16 23:38	75-00-3	
Chloroform	ND	ug/L	0.90	0.27	1		04/06/16 23:38	67-66-3	
Chloromethane	ND	ug/L	2.1	0.64	1		04/06/16 23:38	74-87-3	
2-Chlorotoluene	ND	ug/L	0.72	0.22	1		04/06/16 23:38	95-49-8	
4-Chlorotoluene	ND	ug/L	0.79	0.24	1		04/06/16 23:38	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.3	0.70	1		04/06/16 23:38	96-12-8	
Dibromochloromethane	ND	ug/L	0.53	0.16	1		04/06/16 23:38	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.77	0.23	1		04/06/16 23:38	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.31	1		04/06/16 23:38	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.75	0.22	1		04/06/16 23:38	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.71	0.21	1		04/06/16 23:38	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.54	0.16	1		04/06/16 23:38	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.6	0.49	1		04/06/16 23:38	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.75	0.22	1		04/06/16 23:38	75-34-3	
1,2-Dichloroethane	ND	ug/L	0.56	0.17	1		04/06/16 23:38	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.74	0.22	1		04/06/16 23:38	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.83	0.25	1		04/06/16 23:38	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	0.70	0.21	1		04/06/16 23:38	156-60-5	
Dichlorofluoromethane	ND	ug/L	0.73	0.22	1		04/06/16 23:38	75-43-4	
1,2-Dichloropropane	ND	ug/L	1.4	0.42	1		04/06/16 23:38	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.79	0.24	1		04/06/16 23:38	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.2	0.36	1		04/06/16 23:38	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.55	0.16	1		04/06/16 23:38	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.69	0.21	1		04/06/16 23:38	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.73	0.22	1		04/06/16 23:38	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	1.2	0.38	1		04/06/16 23:38	60-29-7	
Ethylbenzene	ND	ug/L	0.76	0.23	1		04/06/16 23:38	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.6	0.48	1		04/06/16 23:38	87-68-3	

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ANALYTICAL RESULTS

Project: 34160024 Tower Standard
Pace Project No.: 10343074

Sample: 16TSGW01 **Lab ID: 10343074001** Collected: 03/29/16 10:30 Received: 03/30/16 10:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B								
Isopropylbenzene (Cumene)	ND	ug/L	0.57	0.17	1		04/06/16 23:38	98-82-8	
p-Isopropyltoluene	ND	ug/L	0.53	0.16	1		04/06/16 23:38	99-87-6	
Methylene Chloride	ND	ug/L	1.9	0.56	1		04/06/16 23:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	8.1	2.4	1		04/06/16 23:38	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	0.67	0.20	1		04/06/16 23:38	1634-04-4	
Naphthalene	ND	ug/L	0.46	0.14	1		04/06/16 23:38	91-20-3	
n-Propylbenzene	ND	ug/L	0.71	0.21	1		04/06/16 23:38	103-65-1	
Styrene	ND	ug/L	0.37	0.11	1		04/06/16 23:38	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.65	0.20	1		04/06/16 23:38	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.74	0.22	1		04/06/16 23:38	79-34-5	
Tetrachloroethene	ND	ug/L	0.64	0.19	1		04/06/16 23:38	127-18-4	
Tetrahydrofuran	ND	ug/L	13.5	4.0	1		04/06/16 23:38	109-99-9	
Toluene	ND	ug/L	0.45	0.13	1		04/06/16 23:38	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	0.77	0.23	1		04/06/16 23:38	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	0.74	0.22	1		04/06/16 23:38	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.68	0.20	1		04/06/16 23:38	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.80	0.24	1		04/06/16 23:38	79-00-5	
Trichloroethene	ND	ug/L	0.47	0.14	1		04/06/16 23:38	79-01-6	
Trichlorofluoromethane	ND	ug/L	0.61	0.18	1		04/06/16 23:38	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.7	0.50	1		04/06/16 23:38	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.4	0.42	1		04/06/16 23:38	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.52	0.16	1		04/06/16 23:38	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.65	0.20	1		04/06/16 23:38	108-67-8	
Vinyl chloride	ND	ug/L	1.0	0.15	1		04/06/16 23:38	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.60	1		04/06/16 23:38	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	104	%.	75-125		1		04/06/16 23:38	17060-07-0	
Toluene-d8 (S)	102	%.	75-125		1		04/06/16 23:38	2037-26-5	
4-Bromofluorobenzene (S)	100	%.	75-125		1		04/06/16 23:38	460-00-4	
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	ND	mg/L	1.7	0.50	10		03/31/16 10:15	14797-55-8	
Sulfate	ND	mg/L	20.0	6.0	10		03/31/16 10:15	14808-79-8	

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ANALYTICAL RESULTS

Project: 34160024 Tower Standard
Pace Project No.: 10343074

Sample: 16TSGW02 **Lab ID: 10343074002** Collected: 03/29/16 12:45 Received: 03/30/16 10:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010C MET ICP	Analytical Method: EPA 6010C Preparation Method: EPA 3010								
Iron	**14500**	ug/L	34.0	10.2	1	03/31/16 21:32	04/06/16 13:58	7439-89-6	
Manganese	**2100**	ug/L	1.9	0.56	1	03/31/16 21:32	04/05/16 15:49	7439-96-5	
8260B VOC	Analytical Method: EPA 8260B								
Acetone	ND	ug/L	235	70.6	10		04/07/16 00:52	67-64-1	
Allyl chloride	ND	ug/L	19.4	5.8	10		04/07/16 00:52	107-05-1	
Benzene	**1130**	ug/L	7.1	2.1	10		04/07/16 00:52	71-43-2	
Bromobenzene	ND	ug/L	8.2	2.5	10		04/07/16 00:52	108-86-1	
Bromochloromethane	ND	ug/L	11.4	3.4	10		04/07/16 00:52	74-97-5	
Bromodichloromethane	ND	ug/L	6.1	1.8	10		04/07/16 00:52	75-27-4	
Bromoform	ND	ug/L	13.6	4.1	10		04/07/16 00:52	75-25-2	
Bromomethane	ND	ug/L	11.9	3.6	10		04/07/16 00:52	74-83-9	
2-Butanone (MEK)	ND	ug/L	82.9	24.9	10		04/07/16 00:52	78-93-3	
n-Butylbenzene	ND	ug/L	2.8	0.83	10		04/07/16 00:52	104-51-8	B
sec-Butylbenzene	ND	ug/L	5.5	1.6	10		04/07/16 00:52	135-98-8	
tert-Butylbenzene	ND	ug/L	6.2	1.8	10		04/07/16 00:52	98-06-6	
Carbon tetrachloride	ND	ug/L	11.7	3.5	10		04/07/16 00:52	56-23-5	
Chlorobenzene	ND	ug/L	7.7	2.3	10		04/07/16 00:52	108-90-7	
Chloroethane	ND	ug/L	11.3	3.4	10		04/07/16 00:52	75-00-3	
Chloroform	ND	ug/L	9.0	2.7	10		04/07/16 00:52	67-66-3	
Chloromethane	ND	ug/L	21.2	6.4	10		04/07/16 00:52	74-87-3	
2-Chlorotoluene	**21.1**	ug/L	7.2	2.2	10		04/07/16 00:52	95-49-8	
4-Chlorotoluene	ND	ug/L	7.9	2.4	10		04/07/16 00:52	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	23.3	7.0	10		04/07/16 00:52	96-12-8	
Dibromochloromethane	ND	ug/L	5.3	1.6	10		04/07/16 00:52	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	7.7	2.3	10		04/07/16 00:52	106-93-4	
Dibromomethane	ND	ug/L	10.3	3.1	10		04/07/16 00:52	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	7.5	2.2	10		04/07/16 00:52	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	7.1	2.1	10		04/07/16 00:52	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.4	1.6	10		04/07/16 00:52	106-46-7	
Dichlorodifluoromethane	ND	ug/L	16.4	4.9	10		04/07/16 00:52	75-71-8	
1,1-Dichloroethane	ND	ug/L	7.5	2.2	10		04/07/16 00:52	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.6	1.7	10		04/07/16 00:52	107-06-2	
1,1-Dichloroethene	ND	ug/L	7.4	2.2	10		04/07/16 00:52	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	8.3	2.5	10		04/07/16 00:52	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	7.0	2.1	10		04/07/16 00:52	156-60-5	
Dichlorofluoromethane	ND	ug/L	7.3	2.2	10		04/07/16 00:52	75-43-4	
1,2-Dichloropropane	ND	ug/L	14.1	4.2	10		04/07/16 00:52	78-87-5	
1,3-Dichloropropane	ND	ug/L	7.9	2.4	10		04/07/16 00:52	142-28-9	
2,2-Dichloropropane	ND	ug/L	12.0	3.6	10		04/07/16 00:52	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.5	1.6	10		04/07/16 00:52	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	6.9	2.1	10		04/07/16 00:52	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	7.3	2.2	10		04/07/16 00:52	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	12.5	3.8	10		04/07/16 00:52	60-29-7	
Ethylbenzene	**51.8**	ug/L	7.6	2.3	10		04/07/16 00:52	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	16.0	4.8	10		04/07/16 00:52	87-68-3	

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ANALYTICAL RESULTS

Project: 34160024 Tower Standard
Pace Project No.: 10343074

Sample: 16TSGW02 **Lab ID: 10343074002** Collected: 03/29/16 12:45 Received: 03/30/16 10:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B								
Isopropylbenzene (Cumene)	**18.5**	ug/L	5.7	1.7	10		04/07/16 00:52	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.3	1.6	10		04/07/16 00:52	99-87-6	
Methylene Chloride	ND	ug/L	18.8	5.6	10		04/07/16 00:52	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	80.9	24.3	10		04/07/16 00:52	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	6.7	2.0	10		04/07/16 00:52	1634-04-4	
Naphthalene	**70.0**	ug/L	4.6	1.4	10		04/07/16 00:52	91-20-3	
n-Propylbenzene	**44.9**	ug/L	7.1	2.1	10		04/07/16 00:52	103-65-1	
Styrene	ND	ug/L	3.7	1.1	10		04/07/16 00:52	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	6.5	2.0	10		04/07/16 00:52	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	7.4	2.2	10		04/07/16 00:52	79-34-5	
Tetrachloroethene	ND	ug/L	6.4	1.9	10		04/07/16 00:52	127-18-4	
Tetrahydrofuran	ND	ug/L	135	40.5	10		04/07/16 00:52	109-99-9	
Toluene	**18.9**	ug/L	4.5	1.3	10		04/07/16 00:52	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	7.7	2.3	10		04/07/16 00:52	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	7.4	2.2	10		04/07/16 00:52	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	6.8	2.0	10		04/07/16 00:52	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	8.0	2.4	10		04/07/16 00:52	79-00-5	
Trichloroethene	ND	ug/L	4.7	1.4	10		04/07/16 00:52	79-01-6	
Trichlorofluoromethane	ND	ug/L	6.1	1.8	10		04/07/16 00:52	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	16.7	5.0	10		04/07/16 00:52	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	14.0	4.2	10		04/07/16 00:52	76-13-1	
1,2,4-Trimethylbenzene	**294**	ug/L	5.2	1.6	10		04/07/16 00:52	95-63-6	
1,3,5-Trimethylbenzene	**53.1**	ug/L	6.5	2.0	10		04/07/16 00:52	108-67-8	
Vinyl chloride	ND	ug/L	10.0	1.5	10		04/07/16 00:52	75-01-4	
Xylene (Total)	**1280**	ug/L	20.1	6.0	10		04/07/16 00:52	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	104	%.	75-125		10		04/07/16 00:52	17060-07-0	
Toluene-d8 (S)	103	%.	75-125		10		04/07/16 00:52	2037-26-5	
4-Bromofluorobenzene (S)	100	%.	75-125		10		04/07/16 00:52	460-00-4	
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	**2.2**	mg/L	1.7	0.50	10		03/31/16 10:31	14797-55-8	
Sulfate	ND	mg/L	20.0	6.0	10		03/31/16 10:31	14808-79-8	

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ANALYTICAL RESULTS

Project: 34160024 Tower Standard
Pace Project No.: 10343074

Sample: 16TSGW03 **Lab ID: 10343074003** Collected: 03/29/16 13:00 Received: 03/30/16 10:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010C MET ICP	Analytical Method: EPA 6010C Preparation Method: EPA 3010								
Iron	**14000**	ug/L	34.0	10.2	1	03/31/16 21:32	04/06/16 14:02	7439-89-6	
Manganese	**2110**	ug/L	1.9	0.56	1	03/31/16 21:32	04/05/16 15:52	7439-96-5	
8260B VOC	Analytical Method: EPA 8260B								
Acetone	ND	ug/L	235	70.6	10		04/07/16 01:07	67-64-1	
Allyl chloride	ND	ug/L	19.4	5.8	10		04/07/16 01:07	107-05-1	
Benzene	**1110**	ug/L	7.1	2.1	10		04/07/16 01:07	71-43-2	
Bromobenzene	ND	ug/L	8.2	2.5	10		04/07/16 01:07	108-86-1	
Bromochloromethane	ND	ug/L	11.4	3.4	10		04/07/16 01:07	74-97-5	
Bromodichloromethane	ND	ug/L	6.1	1.8	10		04/07/16 01:07	75-27-4	
Bromoform	ND	ug/L	13.6	4.1	10		04/07/16 01:07	75-25-2	
Bromomethane	ND	ug/L	11.9	3.6	10		04/07/16 01:07	74-83-9	
2-Butanone (MEK)	ND	ug/L	82.9	24.9	10		04/07/16 01:07	78-93-3	
n-Butylbenzene	ND	ug/L	2.8	0.83	10		04/07/16 01:07	104-51-8	B
sec-Butylbenzene	ND	ug/L	5.5	1.6	10		04/07/16 01:07	135-98-8	
tert-Butylbenzene	ND	ug/L	6.2	1.8	10		04/07/16 01:07	98-06-6	
Carbon tetrachloride	ND	ug/L	11.7	3.5	10		04/07/16 01:07	56-23-5	
Chlorobenzene	ND	ug/L	7.7	2.3	10		04/07/16 01:07	108-90-7	
Chloroethane	ND	ug/L	11.3	3.4	10		04/07/16 01:07	75-00-3	
Chloroform	ND	ug/L	9.0	2.7	10		04/07/16 01:07	67-66-3	B
Chloromethane	ND	ug/L	21.2	6.4	10		04/07/16 01:07	74-87-3	
2-Chlorotoluene	ND	ug/L	7.2	2.2	10		04/07/16 01:07	95-49-8	
4-Chlorotoluene	ND	ug/L	7.9	2.4	10		04/07/16 01:07	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	23.3	7.0	10		04/07/16 01:07	96-12-8	
Dibromochloromethane	ND	ug/L	5.3	1.6	10		04/07/16 01:07	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	7.7	2.3	10		04/07/16 01:07	106-93-4	
Dibromomethane	ND	ug/L	10.3	3.1	10		04/07/16 01:07	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	7.5	2.2	10		04/07/16 01:07	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	7.1	2.1	10		04/07/16 01:07	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.4	1.6	10		04/07/16 01:07	106-46-7	
Dichlorodifluoromethane	ND	ug/L	16.4	4.9	10		04/07/16 01:07	75-71-8	
1,1-Dichloroethane	ND	ug/L	7.5	2.2	10		04/07/16 01:07	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.6	1.7	10		04/07/16 01:07	107-06-2	
1,1-Dichloroethene	ND	ug/L	7.4	2.2	10		04/07/16 01:07	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	8.3	2.5	10		04/07/16 01:07	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	7.0	2.1	10		04/07/16 01:07	156-60-5	
Dichlorofluoromethane	ND	ug/L	7.3	2.2	10		04/07/16 01:07	75-43-4	
1,2-Dichloropropane	ND	ug/L	14.1	4.2	10		04/07/16 01:07	78-87-5	
1,3-Dichloropropane	ND	ug/L	7.9	2.4	10		04/07/16 01:07	142-28-9	
2,2-Dichloropropane	ND	ug/L	12.0	3.6	10		04/07/16 01:07	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.5	1.6	10		04/07/16 01:07	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	6.9	2.1	10		04/07/16 01:07	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	7.3	2.2	10		04/07/16 01:07	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	12.5	3.8	10		04/07/16 01:07	60-29-7	
Ethylbenzene	**54.9**	ug/L	7.6	2.3	10		04/07/16 01:07	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	16.0	4.8	10		04/07/16 01:07	87-68-3	

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ANALYTICAL RESULTS

Project: 34160024 Tower Standard
Pace Project No.: 10343074

Sample: 16TSGW03 **Lab ID: 10343074003** Collected: 03/29/16 13:00 Received: 03/30/16 10:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B								
Isopropylbenzene (Cumene)	**18.4**	ug/L	5.7	1.7	10		04/07/16 01:07	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.3	1.6	10		04/07/16 01:07	99-87-6	
Methylene Chloride	ND	ug/L	18.8	5.6	10		04/07/16 01:07	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	80.9	24.3	10		04/07/16 01:07	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	6.7	2.0	10		04/07/16 01:07	1634-04-4	
Naphthalene	**76.6**	ug/L	4.6	1.4	10		04/07/16 01:07	91-20-3	
n-Propylbenzene	**45.4**	ug/L	7.1	2.1	10		04/07/16 01:07	103-65-1	
Styrene	ND	ug/L	3.7	1.1	10		04/07/16 01:07	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	6.5	2.0	10		04/07/16 01:07	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	7.4	2.2	10		04/07/16 01:07	79-34-5	
Tetrachloroethene	ND	ug/L	6.4	1.9	10		04/07/16 01:07	127-18-4	
Tetrahydrofuran	ND	ug/L	135	40.5	10		04/07/16 01:07	109-99-9	
Toluene	**20.3**	ug/L	4.5	1.3	10		04/07/16 01:07	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	7.7	2.3	10		04/07/16 01:07	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	7.4	2.2	10		04/07/16 01:07	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	6.8	2.0	10		04/07/16 01:07	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	8.0	2.4	10		04/07/16 01:07	79-00-5	
Trichloroethene	ND	ug/L	4.7	1.4	10		04/07/16 01:07	79-01-6	
Trichlorofluoromethane	ND	ug/L	6.1	1.8	10		04/07/16 01:07	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	16.7	5.0	10		04/07/16 01:07	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	14.0	4.2	10		04/07/16 01:07	76-13-1	
1,2,4-Trimethylbenzene	**302**	ug/L	5.2	1.6	10		04/07/16 01:07	95-63-6	
1,3,5-Trimethylbenzene	**56.0**	ug/L	6.5	2.0	10		04/07/16 01:07	108-67-8	
Vinyl chloride	ND	ug/L	10.0	1.5	10		04/07/16 01:07	75-01-4	
Xylene (Total)	**1300**	ug/L	20.1	6.0	10		04/07/16 01:07	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	102	%.	75-125		10		04/07/16 01:07	17060-07-0	
Toluene-d8 (S)	104	%.	75-125		10		04/07/16 01:07	2037-26-5	
4-Bromofluorobenzene (S)	102	%.	75-125		10		04/07/16 01:07	460-00-4	
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	ND	mg/L	1.7	0.50	10		03/31/16 10:46	14797-55-8	
Sulfate	ND	mg/L	20.0	6.0	10		03/31/16 10:46	14808-79-8	

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ANALYTICAL RESULTS

Project: 34160024 Tower Standard
Pace Project No.: 10343074

Sample: 16TSTB01 **Lab ID: 10343074004** Collected: 03/29/16 10:30 Received: 03/30/16 10:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B								
Acetone	ND	ug/L	23.5	7.1	1		04/06/16 23:53	67-64-1	
Allyl chloride	ND	ug/L	1.9	0.58	1		04/06/16 23:53	107-05-1	
Benzene	ND	ug/L	0.71	0.21	1		04/06/16 23:53	71-43-2	
Bromobenzene	ND	ug/L	0.82	0.25	1		04/06/16 23:53	108-86-1	
Bromochloromethane	ND	ug/L	1.1	0.34	1		04/06/16 23:53	74-97-5	
Bromodichloromethane	ND	ug/L	0.61	0.18	1		04/06/16 23:53	75-27-4	
Bromoform	ND	ug/L	1.4	0.41	1		04/06/16 23:53	75-25-2	
Bromomethane	ND	ug/L	1.2	0.36	1		04/06/16 23:53	74-83-9	
2-Butanone (MEK)	ND	ug/L	8.3	2.5	1		04/06/16 23:53	78-93-3	
n-Butylbenzene	ND	ug/L	0.28	0.083	1		04/06/16 23:53	104-51-8	
sec-Butylbenzene	ND	ug/L	0.55	0.16	1		04/06/16 23:53	135-98-8	
tert-Butylbenzene	ND	ug/L	0.62	0.18	1		04/06/16 23:53	98-06-6	
Carbon tetrachloride	ND	ug/L	1.2	0.35	1		04/06/16 23:53	56-23-5	
Chlorobenzene	ND	ug/L	0.77	0.23	1		04/06/16 23:53	108-90-7	
Chloroethane	ND	ug/L	1.1	0.34	1		04/06/16 23:53	75-00-3	
Chloroform	ND	ug/L	0.90	0.27	1		04/06/16 23:53	67-66-3	
Chloromethane	ND	ug/L	2.1	0.64	1		04/06/16 23:53	74-87-3	
2-Chlorotoluene	ND	ug/L	0.72	0.22	1		04/06/16 23:53	95-49-8	
4-Chlorotoluene	ND	ug/L	0.79	0.24	1		04/06/16 23:53	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.3	0.70	1		04/06/16 23:53	96-12-8	
Dibromochloromethane	ND	ug/L	0.53	0.16	1		04/06/16 23:53	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.77	0.23	1		04/06/16 23:53	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.31	1		04/06/16 23:53	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.75	0.22	1		04/06/16 23:53	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.71	0.21	1		04/06/16 23:53	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.54	0.16	1		04/06/16 23:53	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.6	0.49	1		04/06/16 23:53	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.75	0.22	1		04/06/16 23:53	75-34-3	
1,2-Dichloroethane	ND	ug/L	0.56	0.17	1		04/06/16 23:53	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.74	0.22	1		04/06/16 23:53	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.83	0.25	1		04/06/16 23:53	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	0.70	0.21	1		04/06/16 23:53	156-60-5	
Dichlorofluoromethane	ND	ug/L	0.73	0.22	1		04/06/16 23:53	75-43-4	
1,2-Dichloropropane	ND	ug/L	1.4	0.42	1		04/06/16 23:53	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.79	0.24	1		04/06/16 23:53	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.2	0.36	1		04/06/16 23:53	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.55	0.16	1		04/06/16 23:53	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.69	0.21	1		04/06/16 23:53	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.73	0.22	1		04/06/16 23:53	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	1.2	0.38	1		04/06/16 23:53	60-29-7	
Ethylbenzene	ND	ug/L	0.76	0.23	1		04/06/16 23:53	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.6	0.48	1		04/06/16 23:53	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.57	0.17	1		04/06/16 23:53	98-82-8	
p-Isopropyltoluene	ND	ug/L	0.53	0.16	1		04/06/16 23:53	99-87-6	
Methylene Chloride	ND	ug/L	1.9	0.56	1		04/06/16 23:53	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	8.1	2.4	1		04/06/16 23:53	108-10-1	

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ANALYTICAL RESULTS

Project: 34160024 Tower Standard
Pace Project No.: 10343074

Sample: 16TSTB01 **Lab ID: 10343074004** Collected: 03/29/16 10:30 Received: 03/30/16 10:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B								
Methyl-tert-butyl ether	ND	ug/L	0.67	0.20	1		04/06/16 23:53	1634-04-4	
Naphthalene	ND	ug/L	0.46	0.14	1		04/06/16 23:53	91-20-3	
n-Propylbenzene	ND	ug/L	0.71	0.21	1		04/06/16 23:53	103-65-1	
Styrene	ND	ug/L	0.37	0.11	1		04/06/16 23:53	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.65	0.20	1		04/06/16 23:53	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.74	0.22	1		04/06/16 23:53	79-34-5	
Tetrachloroethene	ND	ug/L	0.64	0.19	1		04/06/16 23:53	127-18-4	
Tetrahydrofuran	ND	ug/L	13.5	4.0	1		04/06/16 23:53	109-99-9	
Toluene	ND	ug/L	0.45	0.13	1		04/06/16 23:53	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	0.77	0.23	1		04/06/16 23:53	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	0.74	0.22	1		04/06/16 23:53	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.68	0.20	1		04/06/16 23:53	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.80	0.24	1		04/06/16 23:53	79-00-5	
Trichloroethene	ND	ug/L	0.47	0.14	1		04/06/16 23:53	79-01-6	
Trichlorofluoromethane	ND	ug/L	0.61	0.18	1		04/06/16 23:53	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.7	0.50	1		04/06/16 23:53	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.4	0.42	1		04/06/16 23:53	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.52	0.16	1		04/06/16 23:53	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.65	0.20	1		04/06/16 23:53	108-67-8	
Vinyl chloride	ND	ug/L	1.0	0.15	1		04/06/16 23:53	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.60	1		04/06/16 23:53	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	104	%.	75-125		1		04/06/16 23:53	17060-07-0	
Toluene-d8 (S)	103	%.	75-125		1		04/06/16 23:53	2037-26-5	
4-Bromofluorobenzene (S)	100	%.	75-125		1		04/06/16 23:53	460-00-4	

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QUALITY CONTROL DATA

Project: 34160024 Tower Standard
Pace Project No.: 10343074

QC Batch: MPRP/62316 Analysis Method: EPA 6010C
QC Batch Method: EPA 3010 Analysis Description: 6010C Water
Associated Lab Samples: 10343074001, 10343074002, 10343074003

METHOD BLANK: 2220335 Matrix: Water
Associated Lab Samples: 10343074001, 10343074002, 10343074003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron	ug/L	ND	34.0	04/06/16 13:36	
Manganese	ug/L	ND	1.9	04/05/16 15:26	

LABORATORY CONTROL SAMPLE: 2220336

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	10000	9130	91	80-120	
Manganese	ug/L	1000	945	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2220337 2220338

Parameter	Units	10343074001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron	ug/L	29700	10000	10000	38800	37700	91	80	75-125	3	20	
Manganese	ug/L	1920	1000	1000	2850	2780	93	86	75-125	2	20	

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QUALITY CONTROL DATA

Project: 34160024 Tower Standard
Pace Project No.: 10343074

QC Batch: MSV/35116 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV 465 W
Associated Lab Samples: 10343074001, 10343074002, 10343074003, 10343074004

METHOD BLANK: 2225476 Matrix: Water
Associated Lab Samples: 10343074001, 10343074002, 10343074003, 10343074004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	0.65	04/06/16 22:09	
1,1,1-Trichloroethane	ug/L	ND	0.68	04/06/16 22:09	
1,1,2,2-Tetrachloroethane	ug/L	ND	0.74	04/06/16 22:09	
1,1,2-Trichloroethane	ug/L	ND	0.80	04/06/16 22:09	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.4	04/06/16 22:09	
1,1-Dichloroethane	ug/L	ND	0.75	04/06/16 22:09	
1,1-Dichloroethene	ug/L	ND	0.74	04/06/16 22:09	
1,1-Dichloropropene	ug/L	ND	0.55	04/06/16 22:09	
1,2,3-Trichlorobenzene	ug/L	ND	0.77	04/06/16 22:09	
1,2,3-Trichloropropane	ug/L	ND	1.7	04/06/16 22:09	
1,2,4-Trichlorobenzene	ug/L	ND	0.74	04/06/16 22:09	
1,2,4-Trimethylbenzene	ug/L	ND	0.52	04/06/16 22:09	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.3	04/06/16 22:09	
1,2-Dibromoethane (EDB)	ug/L	ND	0.77	04/06/16 22:09	
1,2-Dichlorobenzene	ug/L	ND	0.75	04/06/16 22:09	
1,2-Dichloroethane	ug/L	ND	0.56	04/06/16 22:09	
1,2-Dichloropropane	ug/L	ND	1.4	04/06/16 22:09	
1,3,5-Trimethylbenzene	ug/L	ND	0.65	04/06/16 22:09	
1,3-Dichlorobenzene	ug/L	ND	0.71	04/06/16 22:09	
1,3-Dichloropropane	ug/L	ND	0.79	04/06/16 22:09	
1,4-Dichlorobenzene	ug/L	ND	0.54	04/06/16 22:09	
2,2-Dichloropropane	ug/L	ND	1.2	04/06/16 22:09	
2-Butanone (MEK)	ug/L	ND	8.3	04/06/16 22:09	
2-Chlorotoluene	ug/L	ND	0.72	04/06/16 22:09	
4-Chlorotoluene	ug/L	ND	0.79	04/06/16 22:09	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	8.1	04/06/16 22:09	
Acetone	ug/L	ND	23.5	04/06/16 22:09	
Allyl chloride	ug/L	ND	1.9	04/06/16 22:09	
Benzene	ug/L	ND	0.71	04/06/16 22:09	
Bromobenzene	ug/L	ND	0.82	04/06/16 22:09	
Bromochloromethane	ug/L	ND	1.1	04/06/16 22:09	
Bromodichloromethane	ug/L	ND	0.61	04/06/16 22:09	
Bromoform	ug/L	ND	1.4	04/06/16 22:09	
Bromomethane	ug/L	ND	1.2	04/06/16 22:09	
Carbon tetrachloride	ug/L	ND	1.2	04/06/16 22:09	
Chlorobenzene	ug/L	ND	0.77	04/06/16 22:09	
Chloroethane	ug/L	ND	1.1	04/06/16 22:09	
Chloroform	ug/L	ND	0.90	04/06/16 22:09	
Chloromethane	ug/L	ND	2.1	04/06/16 22:09	
cis-1,2-Dichloroethene	ug/L	ND	0.83	04/06/16 22:09	
cis-1,3-Dichloropropene	ug/L	ND	0.69	04/06/16 22:09	

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QUALITY CONTROL DATA

Project: 34160024 Tower Standard
Pace Project No.: 10343074

METHOD BLANK: 2225476 Matrix: Water
Associated Lab Samples: 10343074001, 10343074002, 10343074003, 10343074004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromochloromethane	ug/L	ND	0.53	04/06/16 22:09	
Dibromomethane	ug/L	ND	1.0	04/06/16 22:09	
Dichlorodifluoromethane	ug/L	ND	1.6	04/06/16 22:09	
Dichlorofluoromethane	ug/L	ND	0.73	04/06/16 22:09	
Diethyl ether (Ethyl ether)	ug/L	ND	1.2	04/06/16 22:09	
Ethylbenzene	ug/L	ND	0.76	04/06/16 22:09	
Hexachloro-1,3-butadiene	ug/L	ND	1.6	04/06/16 22:09	
Isopropylbenzene (Cumene)	ug/L	ND	0.57	04/06/16 22:09	
Methyl-tert-butyl ether	ug/L	ND	0.67	04/06/16 22:09	
Methylene Chloride	ug/L	ND	1.9	04/06/16 22:09	
n-Butylbenzene	ug/L	ND	0.28	04/06/16 22:09	
n-Propylbenzene	ug/L	ND	0.71	04/06/16 22:09	
Naphthalene	ug/L	ND	0.46	04/06/16 22:09	
p-Isopropyltoluene	ug/L	ND	0.53	04/06/16 22:09	
sec-Butylbenzene	ug/L	ND	0.55	04/06/16 22:09	
Styrene	ug/L	ND	0.37	04/06/16 22:09	
tert-Butylbenzene	ug/L	ND	0.62	04/06/16 22:09	
Tetrachloroethene	ug/L	ND	0.64	04/06/16 22:09	
Tetrahydrofuran	ug/L	ND	13.5	04/06/16 22:09	
Toluene	ug/L	ND	0.45	04/06/16 22:09	
trans-1,2-Dichloroethene	ug/L	ND	0.70	04/06/16 22:09	
trans-1,3-Dichloropropene	ug/L	ND	0.73	04/06/16 22:09	
Trichloroethene	ug/L	ND	0.47	04/06/16 22:09	
Trichlorofluoromethane	ug/L	ND	0.61	04/06/16 22:09	
Vinyl chloride	ug/L	ND	1.0	04/06/16 22:09	
Xylene (Total)	ug/L	ND	2.0	04/06/16 22:09	
1,2-Dichloroethane-d4 (S)	%.	104	75-125	04/06/16 22:09	
4-Bromofluorobenzene (S)	%.	101	75-125	04/06/16 22:09	
Toluene-d8 (S)	%.	102	75-125	04/06/16 22:09	

LABORATORY CONTROL SAMPLE: 2225477

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	54.4	109	75-125	
1,1,1-Trichloroethane	ug/L	50	45.8	92	73-125	
1,1,2,2-Tetrachloroethane	ug/L	50	49.6	99	75-128	
1,1,2-Trichloroethane	ug/L	50	48.6	97	75-129	
1,1,2-Trichlorotrifluoroethane	ug/L	50	48.1	96	69-125	
1,1-Dichloroethane	ug/L	50	43.9	88	75-131	
1,1-Dichloroethene	ug/L	50	50.6	101	72-125	
1,1-Dichloropropene	ug/L	50	47.5	95	74-125	
1,2,3-Trichlorobenzene	ug/L	50	49.1	98	68-127	
1,2,3-Trichloropropane	ug/L	50	53.6	107	75-125	
1,2,4-Trichlorobenzene	ug/L	50	49.5	99	70-125	

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QUALITY CONTROL DATA

Project: 34160024 Tower Standard
Pace Project No.: 10343074

LABORATORY CONTROL SAMPLE: 2225477

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/L	50	52.0	104	75-130	
1,2-Dibromo-3-chloropropane	ug/L	125	130	104	74-125	
1,2-Dibromoethane (EDB)	ug/L	50	53.0	106	75-125	
1,2-Dichlorobenzene	ug/L	50	49.7	99	75-125	
1,2-Dichloroethane	ug/L	50	44.4	89	72-129	
1,2-Dichloropropane	ug/L	50	47.4	95	71-129	
1,3,5-Trimethylbenzene	ug/L	50	51.3	103	75-127	
1,3-Dichlorobenzene	ug/L	50	50.0	100	75-125	
1,3-Dichloropropane	ug/L	50	50.1	100	75-125	
1,4-Dichlorobenzene	ug/L	50	48.1	96	75-125	
2,2-Dichloropropane	ug/L	50	43.5	87	71-125	
2-Butanone (MEK)	ug/L	250	238	95	58-150	
2-Chlorotoluene	ug/L	50	49.8	100	75-125	
4-Chlorotoluene	ug/L	50	49.5	99	75-130	
4-Methyl-2-pentanone (MIBK)	ug/L	250	267	107	72-140	
Acetone	ug/L	250	248	99	69-137	
Allyl chloride	ug/L	50	47.7	95	68-132	
Benzene	ug/L	50	46.1	92	75-125	
Bromobenzene	ug/L	50	49.9	100	75-125	
Bromochloromethane	ug/L	50	47.9	96	75-125	
Bromodichloromethane	ug/L	50	49.2	98	69-128	
Bromoform	ug/L	50	44.3	89	75-125	
Bromomethane	ug/L	50	34.4	69	30-150	
Carbon tetrachloride	ug/L	50	50.9	102	74-125	
Chlorobenzene	ug/L	50	49.5	99	75-125	
Chloroethane	ug/L	50	42.8	86	60-150	
Chloroform	ug/L	50	43.9	88	75-126	
Chloromethane	ug/L	50	38.7	77	46-150	
cis-1,2-Dichloroethene	ug/L	50	47.7	95	75-126	
cis-1,3-Dichloropropene	ug/L	50	50.8	102	75-125	
Dibromochloromethane	ug/L	50	49.6	99	75-125	
Dibromomethane	ug/L	50	52.7	105	72-127	
Dichlorodifluoromethane	ug/L	50	44.4	89	58-135	
Dichlorofluoromethane	ug/L	50	49.5	99	68-149	
Diethyl ether (Ethyl ether)	ug/L	50	45.2	90	66-144	
Ethylbenzene	ug/L	50	48.1	96	75-125	
Hexachloro-1,3-butadiene	ug/L	50	46.5	93	73-125	
Isopropylbenzene (Cumene)	ug/L	50	50.3	101	69-140	
Methyl-tert-butyl ether	ug/L	50	48.4	97	75-126	
Methylene Chloride	ug/L	50	43.6	87	71-130	
n-Butylbenzene	ug/L	50	51.5	103	71-129	
n-Propylbenzene	ug/L	50	49.9	100	71-133	
Naphthalene	ug/L	50	50.8	102	59-137	
p-Isopropyltoluene	ug/L	50	50.3	101	74-127	
sec-Butylbenzene	ug/L	50	48.7	97	66-140	
Styrene	ug/L	50	53.3	107	75-125	
tert-Butylbenzene	ug/L	50	47.5	95	73-129	

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QUALITY CONTROL DATA

Project: 34160024 Tower Standard
Pace Project No.: 10343074

LABORATORY CONTROL SAMPLE: 2225477

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrachloroethene	ug/L	50	48.4	97	75-125	
Tetrahydrofuran	ug/L	500	513	103	71-129	
Toluene	ug/L	50	49.6	99	75-125	
trans-1,2-Dichloroethene	ug/L	50	45.1	90	75-125	
trans-1,3-Dichloropropene	ug/L	50	51.3	103	75-125	
Trichloroethene	ug/L	50	48.3	97	75-125	
Trichlorofluoromethane	ug/L	50	50.1	100	74-128	
Vinyl chloride	ug/L	50	46.9	94	71-131	
Xylene (Total)	ug/L	150	147	98	75-125	
1,2-Dichloroethane-d4 (S)	%.			100	75-125	
4-Bromofluorobenzene (S)	%.			100	75-125	
Toluene-d8 (S)	%.			104	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2225478 2225479

Parameter	Units	10343221003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	20	20	20.0	21.0	100	105	75-125	5	30	
1,1,1-Trichloroethane	ug/L	ND	20	20	18.8	19.1	94	96	71-144	2	30	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	17.8	18.9	89	94	75-131	6	30	
1,1,2-Trichloroethane	ug/L	ND	20	20	18.3	18.4	91	92	75-125	1	30	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	20	20	22.4	23.0	112	115	75-150	3	30	
1,1-Dichloroethane	ug/L	ND	20	20	17.0	17.0	85	85	64-150	0	30	
1,1-Dichloroethene	ug/L	ND	20	20	21.2	20.7	106	104	68-150	2	30	
1,1-Dichloropropene	ug/L	ND	20	20	19.7	19.8	99	99	68-145	0	30	
1,2,3-Trichlorobenzene	ug/L	ND	20	20	17.3	19.5	86	97	57-142	12	30	
1,2,3-Trichloropropane	ug/L	ND	20	20	19.7	19.3	98	96	75-125	2	30	
1,2,4-Trichlorobenzene	ug/L	ND	20	20	17.5	19.2	88	96	60-135	9	30	
1,2,4-Trimethylbenzene	ug/L	ND	20	20	20.0	20.3	100	101	67-148	2	30	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	50	44.3	45.5	89	91	32-137	3	30	
1,2-Dibromoethane (EDB)	ug/L	ND	20	20	19.9	20.0	99	100	75-125	1	30	
1,2-Dichlorobenzene	ug/L	ND	20	20	18.6	18.8	93	94	75-125	1	30	
1,2-Dichloroethane	ug/L	ND	20	20	16.5	16.8	82	83	62-138	2	30	
1,2-Dichloropropane	ug/L	ND	20	20	17.7	18.3	88	91	62-144	3	30	
1,3,5-Trimethylbenzene	ug/L	ND	20	20	19.7	20.1	98	101	67-148	2	30	
1,3-Dichlorobenzene	ug/L	ND	20	20	18.6	19.7	93	99	74-131	6	30	
1,3-Dichloropropane	ug/L	ND	20	20	18.4	18.7	92	93	75-127	2	30	
1,4-Dichlorobenzene	ug/L	ND	20	20	18.1	18.3	90	92	74-126	1	30	
2,2-Dichloropropane	ug/L	ND	20	20	14.8	15.1	74	76	56-146	2	30	
2-Butanone (MEK)	ug/L	ND	100	100	83.9	88.5	84	89	47-150	5	30	
2-Chlorotoluene	ug/L	ND	20	20	18.9	19.4	95	97	74-137	3	30	
4-Chlorotoluene	ug/L	ND	20	20	18.6	19.3	93	97	72-138	4	30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	100	100	97.2	100	97	100	60-147	3	30	
Acetone	ug/L	ND	100	100	89.3	94.3	86	92	61-150	6	30	

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QUALITY CONTROL DATA

Project: 34160024 Tower Standard
Pace Project No.: 10343074

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2225478 2225479

Parameter	Units	10343221003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Allyl chloride	ug/L	ND	20	20	17.6	17.7	88	89	53-150	1	30	
Benzene	ug/L	ND	20	20	17.5	18.0	88	90	52-147	3	30	
Bromobenzene	ug/L	ND	20	20	18.5	19.2	93	96	75-129	4	30	
Bromochloromethane	ug/L	ND	20	20	18.3	17.9	92	90	72-128	2	30	
Bromodichloromethane	ug/L	ND	20	20	18.3	18.7	91	93	65-137	2	30	
Bromoform	ug/L	ND	20	20	14.4	14.1	72	71	59-133	2	30	
Bromomethane	ug/L	ND	20	20	13.5	12.5	67	62	30-150	8	30	
Carbon tetrachloride	ug/L	ND	20	20	21.4	21.5	107	107	73-144	0	30	
Chlorobenzene	ug/L	ND	20	20	19.1	19.5	96	97	75-126	2	30	
Chloroethane	ug/L	ND	20	20	19.3	20.1	97	101	55-150	4	30	
Chloroform	ug/L	ND	20	20	16.9	17.0	84	85	66-143	1	30	
Chloromethane	ug/L	ND	20	20	16.0	16.1	79	80	42-150	1	30	
cis-1,2-Dichloroethene	ug/L	ND	20	20	18.9	18.2	94	91	65-143	4	30	
cis-1,3-Dichloropropene	ug/L	ND	20	20	16.8	17.7	84	88	75-125	5	30	
Dibromochloromethane	ug/L	ND	20	20	17.3	17.1	87	85	75-125	1	30	
Dibromomethane	ug/L	ND	20	20	18.9	19.2	94	96	66-133	2	30	
Dichlorodifluoromethane	ug/L	ND	20	20	21.9	22.3	109	112	74-150	2	30	
Dichlorofluoromethane	ug/L	ND	20	20	20.2	20.4	101	102	68-150	1	30	
Diethyl ether (Ethyl ether)	ug/L	ND	20	20	16.6	17.2	83	86	57-148	3	30	
Ethylbenzene	ug/L	ND	20	20	18.6	18.9	93	95	67-149	2	30	
Hexachloro-1,3-butadiene	ug/L	ND	20	20	18.3	20.5	91	102	65-143	11	30	
Isopropylbenzene (Cumene)	ug/L	ND	20	20	19.8	20.2	99	101	64-150	2	30	
Methyl-tert-butyl ether	ug/L	ND	20	20	17.6	18.0	88	90	71-130	2	30	
Methylene Chloride	ug/L	ND	20	20	16.3	16.3	82	81	67-137	0	30	
n-Butylbenzene	ug/L	ND	20	20	19.8	21.3	99	106	70-138	7	30	
n-Propylbenzene	ug/L	ND	20	20	19.2	19.7	96	98	70-148	2	30	
Naphthalene	ug/L	ND	20	20	16.5	18.3	83	91	39-150	10	30	
p-Isopropyltoluene	ug/L	ND	20	20	19.4	20.0	97	100	74-138	3	30	
sec-Butylbenzene	ug/L	ND	20	20	19.4	20.3	97	102	64-150	5	30	
Styrene	ug/L	ND	20	20	18.7	18.8	94	94	75-132	0	30	
tert-Butylbenzene	ug/L	ND	20	20	18.7	19.6	93	98	75-138	5	30	
Tetrachloroethene	ug/L	ND	20	20	19.6	19.9	98	100	73-136	2	30	
Tetrahydrofuran	ug/L	ND	200	200	181	184	91	92	68-142	2	30	
Toluene	ug/L	ND	20	20	19.7	19.4	99	97	69-139	2	30	
trans-1,2-Dichloroethene	ug/L	ND	20	20	18.4	18.6	92	93	75-135	1	30	
trans-1,3-Dichloropropene	ug/L	ND	20	20	17.8	17.6	89	88	66-136	1	30	
Trichloroethene	ug/L	ND	20	20	18.5	18.7	92	93	74-135	1	30	
Trichlorofluoromethane	ug/L	ND	20	20	23.9	24.4	120	122	75-150	2	30	
Vinyl chloride	ug/L	ND	20	20	20.8	21.5	104	108	69-150	3	30	
Xylene (Total)	ug/L	ND	60	60	57.2	57.9	95	97	70-147	1	30	
1,2-Dichloroethane-d4 (S)	%.						105	107	75-125			
4-Bromofluorobenzene (S)	%.						101	102	75-125			
Toluene-d8 (S)	%.						105	102	75-125			

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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Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 34160024 Tower Standard
Pace Project No.: 10343074

QC Batch: WETA/26735 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 10343074001, 10343074002, 10343074003

METHOD BLANK: 2220411 Matrix: Water
Associated Lab Samples: 10343074001, 10343074002, 10343074003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate as N	mg/L	ND	0.17	03/31/16 11:01	
Sulfate	mg/L	ND	2.0	03/31/16 11:01	

LABORATORY CONTROL SAMPLE: 2220412

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	1	0.96	96	90-110	
Sulfate	mg/L	12.5	12.2	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2220413 2220414

Parameter	Units	10342971002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrate as N	mg/L	<0.050	1	1	0.96	0.95	96	95	90-110	0	20	
Sulfate	mg/L	<0.60	12.5	12.5	12.1	12.1	97	97	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2220415 2220416

Parameter	Units	10342478001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrate as N	mg/L	2.9	1	1	3.6	3.6	68	68	90-110	0	20	M1
Sulfate	mg/L	29.8	12.5	12.5	38.7	38.8	71	72	90-110	0	20	M1

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QUALIFIERS

Project: 34160024 Tower Standard
Pace Project No.: 10343074

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.

LABORATORIES

PASI-M	Pace Analytical Services - Minneapolis

ANALYTE QUALIFIERS

B	Analyte was detected in the associated method blank.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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Minneapolis, MN 55414
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 34160024 Tower Standard
Pace Project No.: 10343074

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10343074001	**16TSGW01**	EPA 3010	MPRP/62316	EPA 6010C	ICP/27294
10343074002	**16TSGW02**	EPA 3010	MPRP/62316	EPA 6010C	ICP/27294
10343074003	**16TSGW03**	EPA 3010	MPRP/62316	EPA 6010C	ICP/27294
10343074001	**16TSGW01**	EPA 8260B	MSV/35116		
10343074002	**16TSGW02**	EPA 8260B	MSV/35116		
10343074003	**16TSGW03**	EPA 8260B	MSV/35116		
10343074004	**16TSTB01**	EPA 8260B	MSV/35116		
10343074001	**16TSGW01**	EPA 300.0	WETA/26735		
10343074002	**16TSGW02**	EPA 300.0	WETA/26735		
10343074003	**16TSGW03**	EPA 300.0	WETA/26735		

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TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

10343074

11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244 425-420-9200 FAX 420-9210
11922 E. First Ave, Spokane, WA 99206-5302 509-924-9200 FAX 924-9290
9405 SW Nimbus Ave,Beaverton, OR 97008-7145 503-906-9200 FAX 906-9210
2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #:

CLIENT: Bristol Environmental

REPORT TO: Matt Faust
ADDRESS: 111 W. 16th Ave, Ste 301
Anchorage, AK 99501
PHONE: (907)563-0013 FAX: (907)563-6713

INVOICE TO: Same

P.O. NUMBER: 34160024

PROJECT NAME: Tower standard
PROJECT NUMBER: 34160024
SAMPLED BY: M Faust & L Kleppin

TURNAROUND REQUEST in Business Days *

Organic & Inorganic Analyses: [X] STD. | 7 | 5 | 4 | 3 | 2 | 1 | <1

Petroleum Hydrocarbon Analyses: [X] STD. | 4 | 3 | 2 | 1 | <1

OTHER Specify:

* Turnaround Requests less than standard may incur Rush Charges.

PRESERVATIVE: HCl | H_2SO_4 | | HNO_3

REQUESTED ANALYSES

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	VOCs 8260	Sulfate 300.0	Nitrate 300.0	Mn, Fe									MATRIX (W, S, O)	# OF CONT.	LOCATION/ COMMENTS	TA WO ID
1	16TSGW01	3/29 @ 1030	X	X	X	X									W	18		001
2	16TSGW02	3/29 @ 1245	X	X	X	X									W	6		002
3	16TSGW03	3/29 @ 1300	X	X	X	X									W	6		003
4	16TSTB01	3/29 @ 1030	X												W	1		
5																		
6																		
7																		
8																		
9																		
10																		

RELEASED BY: [signature]	DATE: 3/30	RECEIVED BY: [signature]	DATE: 3/30/14
PRINT NAME: Matt Faust FIRM: Bristol	TIME: 0900	PRINT NAME: Bob Michels FIRM: Pace	TIME: 10:55
RELEASED BY:	DATE:	RECEIVED BY:	DATE:
PRINT NAME: FIRM:	TIME:	PRINT NAME: FIRM:	TIME:

ADDITIONAL REMARKS:

TEMP: 1.4

PAGE OF

TAL-1000(0408)

Pace Analytical	Document Name: **Sample Condition Upon Receipt Form**	Document Revised: 05Jan2016 Page 1 of 1
	Document No.: **F-MN-L-213-rev.15**	Issuing Authority: Pace Minnesota Quality Office

Sample Condition Upon Receipt

Client Name: Bristol Environmental

Project #: WO#: 10343074

10343074

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace ☐ SpeeDee ☐ Other: _____

Tracking Number: _____

Custody Seal on Cooler/Box Present? ☑ Yes ☐ No **Seals Intact?** ☑ Yes ☐ No

Optional: Proj. Due Date: Proj. Name:

Packing Material: ☑ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other: _____ **Temp Blank?** ☑ Yes ☐ No

Thermometer Used: ☐ 151401163 ☑ B88A912167504 ☐ 151401164 ☐ B88A0143310098

Type of Ice: ☑ Wet ☐ Blue ☐ None ☐ Samples on ice, cooling process has begun

Cooler Temp Read (°C): 1.5 **Cooler Temp Corrected (°C):** 1.4 **Biological Tissue Frozen?** ☐ Yes ☐ No ☑ N/A

Temp should be above freezing to 6°C **Correction Factor:** -0.1 **Date and Initials of Person Examining Contents:** KAC 3.30.16

USDA Regulated Soil (☑ N/A, water sample)

Did samples originate in a quarantine zone within the United States: AL, AR, AZ, CA, FL, GA, ID, LA. MS, NC, NM, NY, OK, OR, SC, TN, TX or WA (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

If Yes to either question, fill out a Regulated Soil Checklist (F-MN-Q-338) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Chain of Custody Filled Out?	☑ Yes	☐ No	☐ N/A	2.
Chain of Custody Relinquished?	☑ Yes	☐ No	☐ N/A	3.
Sampler Name and/or Signature on COC?	☐ Yes	☑ No	☐ N/A	4.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	5.
Short Hold Time Analysis (<72 hr)?	☑ Yes	☐ No	☐ N/A	6.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	7.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	8.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	9.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	10.
Filtered Volume Received for Dissolved Tests?	☐ Yes	☐ No	☑ N/A	11. Note if sediment is visible in the dissolved container
Sample Labels Match COC? -Includes Date/Time/ID/Analysis Matrix: WT	☑ Yes	☐ No	☐ N/A	12.
All containers needing acid/base preservation have been checked?	☑ Yes	☐ No	☐ N/A	13. ☑ HNO_3 3/3 1/1 ☑ H_2SO_4 3/3 1/1 ☐ NaOH ☐ HCl Sample # 1-3
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, HCl<2; NaOH >9 Sulfide, NaOH>12 Cyanide)	☑ Yes	☐ No	☐ N/A	
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC	☐ Yes	☐ No	☑ N/A	Initial when completed: KAC 3.30.16 Lot # of added preservative:
Headspace in VOA Vials (>6mm)?	☐ Yes	☑ No	☐ N/A	14.
Trip Blank Present?	☑ Yes	☐ No	☑ N/A	15.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	
Pace Trip Blank Lot # (if purchased): 7994				

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** ☐ Yes ☐ No

Person Contacted: Matt Faust Date/Time: 3/30/16

Comments/Resolution: run RCRA list as well as Fe and Mn?

Project Manager Review: Shannon Davis **Date:** 3/30/16

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers).