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

December 07, 2015

DAVID LARSEN
REI
4080 NORTH 20TH AVENUE
Wausau, WI 54401

RE: Project: 903AXUC TOWER STANDARD
Pace Project No.: 40124997

Dear DAVID LARSEN:
Enclosed are the analytical results for sample(s) received by the laboratory on November 19, 2015. 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,

Steven Mleczko for
Brian Basten
brian.basten@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 903AXUC TOWER STANDARD
Pace Project No.: 40124997

Green Bay Certification IDs
1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
Virginia VELAP ID: 460263
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
US Dept of Agriculture #: S-76505
Virginia VELAP Certification ID: 460263
Virginia VELAP ID: 460263
Wisconsin Certification #: 405132750

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SAMPLE SUMMARY

Project: 903AXUC TOWER STANDARD
Pace Project No.: 40124997

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40124997001	**MW16**	Water	11/17/15 10:30	11/19/15 08:30
40124997002	**MW16 @ 37-42**	Water	11/17/15 11:15	11/19/15 08:30
40124997003	**MW17 @ 31-36**	Water	11/17/15 12:15	11/19/15 08:30
40124997004	**MW17**	Water	11/17/15 12:45	11/19/15 08:30
40124997005	**MW18**	Water	11/17/15 13:25	11/19/15 08:30
40124997006	**MW18 @35-40**	Water	11/17/15 13:50	11/19/15 08:30
40124997007	**MW22**	Water	11/17/15 09:15	11/19/15 08:30
40124997008	**MW22 @35-40**	Water	11/17/15 09:42	11/19/15 08:30

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SAMPLE ANALYTE COUNT

Project: 903AXUC TOWER STANDARD
Pace Project No.: 40124997

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40124997001	**MW16**	EPA 6010	JBR	3
		EPA 8260	HNW	64
		EPA 300.0	HMB	1
		EPA 353.2	DAW	1
40124997002	**MW16 @ 37-42**	EPA 6010	JBR	3
		EPA 8260	HNW	64
		EPA 300.0	HMB	1
		EPA 353.2	DAW	1
40124997003	**MW17 @ 31-36**	EPA 6010	JBR	3
		EPA 8260	HNW	64
		EPA 300.0	HMB	1
		EPA 353.2	DAW	1
40124997004	**MW17**	EPA 6010	JBR	3
		EPA 8260	HNW	64
		EPA 300.0	HMB	1
		EPA 353.2	DAW	1
40124997005	**MW18**	EPA 6010	JBR	3
		EPA 8260	HNW	64
		EPA 300.0	HMB	1
		EPA 353.2	DAW	1
40124997006	**MW18 @35-40**	EPA 6010	JBR	3
		EPA 8260	HNW	64
		EPA 300.0	HMB	1
		EPA 353.2	DAW	1
40124997007	**MW22**	EPA 6010	JBR	3
		EPA 8260	HNW	64
		EPA 300.0	HMB	1
		EPA 353.2	DAW	1
40124997008	**MW22 @35-40**	EPA 6010	JBR	3
		EPA 8260	HNW	64
		EPA 300.0	HMB	1
		EPA 353.2	DAW	1

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ANALYTICAL RESULTS

Project: 903AXUC TOWER STANDARD
Pace Project No.: 40124997

Sample: MW16 **Lab ID: 40124997001** Collected: 11/17/15 10:30 Received: 11/19/15 08:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Cadmium, Dissolved	**<0.60**	ug/L	5.0	0.60	1		11/30/15 19:08	7440-43-9	
Iron, Dissolved	**15400**	ug/L	100	12.9	1		11/30/15 19:08	7439-89-6	
Lead, Dissolved	**<3.0**	ug/L	7.5	3.0	1		11/30/15 19:08	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**6.3**	ug/L	1.0	0.50	1		11/23/15 20:18	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		11/23/15 20:18	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		11/23/15 20:18	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		11/23/15 20:18	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		11/23/15 20:18	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		11/23/15 20:18	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 20:18	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		11/23/15 20:18	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		11/23/15 20:18	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		11/23/15 20:18	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 20:18	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		11/23/15 20:18	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		11/23/15 20:18	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		11/23/15 20:18	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 20:18	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		11/23/15 20:18	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		11/23/15 20:18	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		11/23/15 20:18	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		11/23/15 20:18	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		11/23/15 20:18	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 20:18	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 20:18	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 20:18	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		11/23/15 20:18	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		11/23/15 20:18	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		11/23/15 20:18	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		11/23/15 20:18	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		11/23/15 20:18	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		11/23/15 20:18	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		11/23/15 20:18	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		11/23/15 20:18	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		11/23/15 20:18	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		11/23/15 20:18	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 20:18	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		11/23/15 20:18	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		11/23/15 20:18	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 20:18	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		11/23/15 20:18	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		11/23/15 20:18	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 20:18	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		11/23/15 20:18	75-09-2	

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ANALYTICAL RESULTS

Project: 903AXUC TOWER STANDARD
Pace Project No.: 40124997

Sample: MW16 **Lab ID: 40124997001** Collected: 11/17/15 10:30 Received: 11/19/15 08:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		11/23/15 20:18	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		11/23/15 20:18	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 20:18	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 20:18	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		11/23/15 20:18	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		11/23/15 20:18	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 20:18	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 20:18	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		11/23/15 20:18	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		11/23/15 20:18	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		11/23/15 20:18	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		11/23/15 20:18	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		11/23/15 20:18	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		11/23/15 20:18	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		11/23/15 20:18	96-18-4	
1,2,4-Trimethylbenzene	**1.1**	ug/L	1.0	0.50	1		11/23/15 20:18	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 20:18	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		11/23/15 20:18	75-01-4	
m&p-Xylene	**2.7**	ug/L	2.0	1.0	1		11/23/15 20:18	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 20:18	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		11/23/15 20:18	460-00-4	
Dibromofluoromethane (S)	124	%	70-130		1		11/23/15 20:18	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		11/23/15 20:18	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**<10.0**	mg/L	20.0	10.0	5		12/02/15 06:38	14808-79-8	D3,M0
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2								
Nitrogen, NO2 plus NO3	**<0.095**	mg/L	0.25	0.095	1		12/04/15 11:53		

Sample: MW16 @ 37-42 **Lab ID: 40124997002** Collected: 11/17/15 11:15 Received: 11/19/15 08:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Cadmium, Dissolved	**<0.60**	ug/L	5.0	0.60	1		11/30/15 19:11	7440-43-9	
Iron, Dissolved	**5920**	ug/L	100	12.9	1		11/30/15 19:11	7439-89-6	
Lead, Dissolved	**4.5J**	ug/L	7.5	3.0	1		11/30/15 19:11	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**1340**	ug/L	10.0	5.0	10		11/23/15 22:55	71-43-2	
Bromobenzene	**<2.3**	ug/L	10.0	2.3	10		11/23/15 22:55	108-86-1	
Bromochloromethane	**<3.4**	ug/L	10.0	3.4	10		11/23/15 22:55	74-97-5	

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ANALYTICAL RESULTS

Project: 903AXUC TOWER STANDARD
Pace Project No.: 40124997

Sample: MW16 @ 37-42 **Lab ID: 40124997002** Collected: 11/17/15 11:15 Received: 11/19/15 08:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromodichloromethane	**<5.0**	ug/L	10.0	5.0	10		11/23/15 22:55	75-27-4	
Bromoform	**<5.0**	ug/L	10.0	5.0	10		11/23/15 22:55	75-25-2	
Bromomethane	**<24.3**	ug/L	50.0	24.3	10		11/23/15 22:55	74-83-9	
n-Butylbenzene	**<5.0**	ug/L	10.0	5.0	10		11/23/15 22:55	104-51-8	
sec-Butylbenzene	**<21.9**	ug/L	50.0	21.9	10		11/23/15 22:55	135-98-8	
tert-Butylbenzene	**<1.8**	ug/L	10.0	1.8	10		11/23/15 22:55	98-06-6	
Carbon tetrachloride	**<5.0**	ug/L	10.0	5.0	10		11/23/15 22:55	56-23-5	
Chlorobenzene	**<5.0**	ug/L	10.0	5.0	10		11/23/15 22:55	108-90-7	
Chloroethane	**<3.7**	ug/L	10.0	3.7	10		11/23/15 22:55	75-00-3	
Chloroform	**<25.0**	ug/L	50.0	25.0	10		11/23/15 22:55	67-66-3	
Chloromethane	**<5.0**	ug/L	10.0	5.0	10		11/23/15 22:55	74-87-3	
2-Chlorotoluene	**<5.0**	ug/L	10.0	5.0	10		11/23/15 22:55	95-49-8	
4-Chlorotoluene	**<2.1**	ug/L	10.0	2.1	10		11/23/15 22:55	106-43-4	
1,2-Dibromo-3-chloropropane	**<21.6**	ug/L	50.0	21.6	10		11/23/15 22:55	96-12-8	
Dibromochloromethane	**<5.0**	ug/L	10.0	5.0	10		11/23/15 22:55	124-48-1	
1,2-Dibromoethane (EDB)	**<1.8**	ug/L	10.0	1.8	10		11/23/15 22:55	106-93-4	
Dibromomethane	**<4.3**	ug/L	10.0	4.3	10		11/23/15 22:55	74-95-3	
1,2-Dichlorobenzene	**<5.0**	ug/L	10.0	5.0	10		11/23/15 22:55	95-50-1	
1,3-Dichlorobenzene	**<5.0**	ug/L	10.0	5.0	10		11/23/15 22:55	541-73-1	
1,4-Dichlorobenzene	**<5.0**	ug/L	10.0	5.0	10		11/23/15 22:55	106-46-7	
Dichlorodifluoromethane	**<2.2**	ug/L	10.0	2.2	10		11/23/15 22:55	75-71-8	
1,1-Dichloroethane	**<2.4**	ug/L	10.0	2.4	10		11/23/15 22:55	75-34-3	
1,2-Dichloroethane	**<1.7**	ug/L	10.0	1.7	10		11/23/15 22:55	107-06-2	
1,1-Dichloroethene	**<4.1**	ug/L	10.0	4.1	10		11/23/15 22:55	75-35-4	
cis-1,2-Dichloroethene	**<2.6**	ug/L	10.0	2.6	10		11/23/15 22:55	156-59-2	
trans-1,2-Dichloroethene	**<2.6**	ug/L	10.0	2.6	10		11/23/15 22:55	156-60-5	
1,2-Dichloropropane	**<2.3**	ug/L	10.0	2.3	10		11/23/15 22:55	78-87-5	
1,3-Dichloropropane	**<5.0**	ug/L	10.0	5.0	10		11/23/15 22:55	142-28-9	
2,2-Dichloropropane	**<4.8**	ug/L	10.0	4.8	10		11/23/15 22:55	594-20-7	
1,1-Dichloropropene	**<4.4**	ug/L	10.0	4.4	10		11/23/15 22:55	563-58-6	
cis-1,3-Dichloropropene	**<5.0**	ug/L	10.0	5.0	10		11/23/15 22:55	10061-01-5	
trans-1,3-Dichloropropene	**<2.3**	ug/L	10.0	2.3	10		11/23/15 22:55	10061-02-6	
Diisopropyl ether	**<5.0**	ug/L	10.0	5.0	10		11/23/15 22:55	108-20-3	
Ethylbenzene	**60.3**	ug/L	10.0	5.0	10		11/23/15 22:55	100-41-4	
Hexachloro-1,3-butadiene	**<21.1**	ug/L	50.0	21.1	10		11/23/15 22:55	87-68-3	
Isopropylbenzene (Cumene)	**17.0**	ug/L	10.0	1.4	10		11/23/15 22:55	98-82-8	
p-Isopropyltoluene	**<5.0**	ug/L	10.0	5.0	10		11/23/15 22:55	99-87-6	
Methylene Chloride	**<2.3**	ug/L	10.0	2.3	10		11/23/15 22:55	75-09-2	
Methyl-tert-butyl ether	**<1.7**	ug/L	10.0	1.7	10		11/23/15 22:55	1634-04-4	
Naphthalene	**84.7**	ug/L	50.0	25.0	10		11/23/15 22:55	91-20-3	
n-Propylbenzene	**45.5**	ug/L	10.0	5.0	10		11/23/15 22:55	103-65-1	
Styrene	**<5.0**	ug/L	10.0	5.0	10		11/23/15 22:55	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.8**	ug/L	10.0	1.8	10		11/23/15 22:55	630-20-6	
1,1,2,2-Tetrachloroethane	**<2.5**	ug/L	10.0	2.5	10		11/23/15 22:55	79-34-5	
Tetrachloroethene	**<5.0**	ug/L	10.0	5.0	10		11/23/15 22:55	127-18-4	
Toluene	**22.1**	ug/L	10.0	5.0	10		11/23/15 22:55	108-88-3	

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ANALYTICAL RESULTS

Project: 903AXUC TOWER STANDARD
Pace Project No.: 40124997

Sample: MW16 @ 37-42 **Lab ID: 40124997002** Collected: 11/17/15 11:15 Received: 11/19/15 08:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,2,3-Trichlorobenzene	**<21.3**	ug/L	50.0	21.3	10		11/23/15 22:55	87-61-6	
1,2,4-Trichlorobenzene	**<22.1**	ug/L	50.0	22.1	10		11/23/15 22:55	120-82-1	
1,1,1-Trichloroethane	**<5.0**	ug/L	10.0	5.0	10		11/23/15 22:55	71-55-6	
1,1,2-Trichloroethane	**<2.0**	ug/L	10.0	2.0	10		11/23/15 22:55	79-00-5	
Trichloroethene	**<3.3**	ug/L	10.0	3.3	10		11/23/15 22:55	79-01-6	
Trichlorofluoromethane	**<1.8**	ug/L	10.0	1.8	10		11/23/15 22:55	75-69-4	
1,2,3-Trichloropropane	**<5.0**	ug/L	10.0	5.0	10		11/23/15 22:55	96-18-4	
1,2,4-Trimethylbenzene	**315**	ug/L	10.0	5.0	10		11/23/15 22:55	95-63-6	
1,3,5-Trimethylbenzene	**56.1**	ug/L	10.0	5.0	10		11/23/15 22:55	108-67-8	
Vinyl chloride	**<1.8**	ug/L	10.0	1.8	10		11/23/15 22:55	75-01-4	
m&p-Xylene	**1500**	ug/L	20.0	10.0	10		11/23/15 22:55	179601-23-1	
o-Xylene	**20.2**	ug/L	10.0	5.0	10		11/23/15 22:55	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		10		11/23/15 22:55	460-00-4	
Dibromofluoromethane (S)	122	%	70-130		10		11/23/15 22:55	1868-53-7	
Toluene-d8 (S)	100	%	70-130		10		11/23/15 22:55	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**<10.0**	mg/L	20.0	10.0	5		12/04/15 20:25	14808-79-8	D3
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2								
Nitrogen, NO2 plus NO3	**<0.095**	mg/L	0.25	0.095	1		12/04/15 11:54		

Sample: MW17 @ 31-36 **Lab ID: 40124997003** Collected: 11/17/15 12:15 Received: 11/19/15 08:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Cadmium, Dissolved	**<0.60**	ug/L	5.0	0.60	1		11/30/15 19:13	7440-43-9	
Iron, Dissolved	**4980**	ug/L	100	12.9	1		11/30/15 19:13	7439-89-6	
Lead, Dissolved	**<3.0**	ug/L	7.5	3.0	1		11/30/15 19:13	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 20:41	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		11/23/15 20:41	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		11/23/15 20:41	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		11/23/15 20:41	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		11/23/15 20:41	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		11/23/15 20:41	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 20:41	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		11/23/15 20:41	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		11/23/15 20:41	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		11/23/15 20:41	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 20:41	108-90-7	

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ANALYTICAL RESULTS

Project: 903AXUC TOWER STANDARD
Pace Project No.: 40124997

Sample: MW17 @ 31-36 **Lab ID: 40124997003** Collected: 11/17/15 12:15 Received: 11/19/15 08:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		11/23/15 20:41	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		11/23/15 20:41	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		11/23/15 20:41	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 20:41	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		11/23/15 20:41	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		11/23/15 20:41	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		11/23/15 20:41	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		11/23/15 20:41	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		11/23/15 20:41	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 20:41	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 20:41	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 20:41	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		11/23/15 20:41	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		11/23/15 20:41	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		11/23/15 20:41	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		11/23/15 20:41	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		11/23/15 20:41	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		11/23/15 20:41	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		11/23/15 20:41	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		11/23/15 20:41	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		11/23/15 20:41	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		11/23/15 20:41	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 20:41	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		11/23/15 20:41	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		11/23/15 20:41	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 20:41	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		11/23/15 20:41	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		11/23/15 20:41	98-82-8	
p-Isopropyltoluene	**0.56J**	ug/L	1.0	0.50	1		11/23/15 20:41	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		11/23/15 20:41	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		11/23/15 20:41	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		11/23/15 20:41	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 20:41	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 20:41	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		11/23/15 20:41	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		11/23/15 20:41	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 20:41	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 20:41	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		11/23/15 20:41	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		11/23/15 20:41	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		11/23/15 20:41	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		11/23/15 20:41	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		11/23/15 20:41	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		11/23/15 20:41	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		11/23/15 20:41	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 20:41	95-63-6	

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ANALYTICAL RESULTS

Project: 903AXUC TOWER STANDARD
Pace Project No.: 40124997

Sample: MW17 @ 31-36 **Lab ID: 40124997003** Collected: 11/17/15 12:15 Received: 11/19/15 08:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 20:41	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		11/23/15 20:41	75-01-4	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		11/23/15 20:41	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 20:41	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		11/23/15 20:41	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		11/23/15 20:41	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		11/23/15 20:41	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**20.9**	mg/L	20.0	10.0	5		12/04/15 21:00	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2								
Nitrogen, NO2 plus NO3	**0.68**	mg/L	0.25	0.095	1		12/04/15 11:58		

Sample: MW17 **Lab ID: 40124997004** Collected: 11/17/15 12:45 Received: 11/19/15 08:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Cadmium, Dissolved	**<0.60**	ug/L	5.0	0.60	1		11/30/15 19:16	7440-43-9	
Iron, Dissolved	**1060**	ug/L	100	12.9	1		11/30/15 19:16	7439-89-6	
Lead, Dissolved	**<3.0**	ug/L	7.5	3.0	1		11/30/15 19:16	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**1.0**	ug/L	1.0	0.50	1		11/23/15 21:03	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		11/23/15 21:03	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		11/23/15 21:03	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:03	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:03	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		11/23/15 21:03	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:03	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		11/23/15 21:03	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		11/23/15 21:03	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:03	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:03	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		11/23/15 21:03	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		11/23/15 21:03	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:03	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:03	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		11/23/15 21:03	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		11/23/15 21:03	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:03	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		11/23/15 21:03	106-93-4	

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ANALYTICAL RESULTS

Project: 903AXUC TOWER STANDARD
Pace Project No.: 40124997

Sample: MW17 **Lab ID: 40124997004** Collected: 11/17/15 12:45 Received: 11/19/15 08:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		11/23/15 21:03	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:03	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:03	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:03	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		11/23/15 21:03	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		11/23/15 21:03	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		11/23/15 21:03	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		11/23/15 21:03	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		11/23/15 21:03	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		11/23/15 21:03	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		11/23/15 21:03	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:03	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		11/23/15 21:03	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		11/23/15 21:03	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:03	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		11/23/15 21:03	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:03	108-20-3	
Ethylbenzene	**0.51J**	ug/L	1.0	0.50	1		11/23/15 21:03	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		11/23/15 21:03	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		11/23/15 21:03	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:03	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		11/23/15 21:03	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		11/23/15 21:03	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		11/23/15 21:03	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:03	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:03	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		11/23/15 21:03	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		11/23/15 21:03	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:03	127-18-4	
Toluene	**2.3**	ug/L	1.0	0.50	1		11/23/15 21:03	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		11/23/15 21:03	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		11/23/15 21:03	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:03	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		11/23/15 21:03	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		11/23/15 21:03	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		11/23/15 21:03	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:03	96-18-4	
1,2,4-Trimethylbenzene	**0.60J**	ug/L	1.0	0.50	1		11/23/15 21:03	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:03	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		11/23/15 21:03	75-01-4	
m&p-Xylene	**2.3**	ug/L	2.0	1.0	1		11/23/15 21:03	179601-23-1	
o-Xylene	**0.67J**	ug/L	1.0	0.50	1		11/23/15 21:03	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		11/23/15 21:03	460-00-4	
Dibromofluoromethane (S)	120	%	70-130		1		11/23/15 21:03	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		11/23/15 21:03	2037-26-5	

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ANALYTICAL RESULTS

Project: 903AXUC TOWER STANDARD
Pace Project No.: 40124997

Sample: MW17 **Lab ID: 40124997004** Collected: 11/17/15 12:45 Received: 11/19/15 08:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**6.1**	mg/L	4.0	2.0	1		12/04/15 21:12	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2								
Nitrogen, NO2 plus NO3	**<0.095**	mg/L	0.25	0.095	1		12/04/15 11:59		

Sample: MW18 **Lab ID: 40124997005** Collected: 11/17/15 13:25 Received: 11/19/15 08:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Cadmium, Dissolved	**<0.60**	ug/L	5.0	0.60	1		11/30/15 19:18	7440-43-9	
Iron, Dissolved	**<12.9**	ug/L	100	12.9	1		11/30/15 19:18	7439-89-6	
Lead, Dissolved	**<3.0**	ug/L	7.5	3.0	1		11/30/15 19:18	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:26	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		11/23/15 21:26	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		11/23/15 21:26	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:26	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:26	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		11/23/15 21:26	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:26	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		11/23/15 21:26	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		11/23/15 21:26	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:26	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:26	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		11/23/15 21:26	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		11/23/15 21:26	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:26	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:26	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		11/23/15 21:26	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		11/23/15 21:26	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:26	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		11/23/15 21:26	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		11/23/15 21:26	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:26	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:26	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:26	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		11/23/15 21:26	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		11/23/15 21:26	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		11/23/15 21:26	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		11/23/15 21:26	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		11/23/15 21:26	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		11/23/15 21:26	156-60-5	

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ANALYTICAL RESULTS

Project: 903AXUC TOWER STANDARD
Pace Project No.: 40124997

Sample: MW18 **Lab ID: 40124997005** Collected: 11/17/15 13:25 Received: 11/19/15 08:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		11/23/15 21:26	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:26	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		11/23/15 21:26	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		11/23/15 21:26	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:26	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		11/23/15 21:26	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:26	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:26	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		11/23/15 21:26	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		11/23/15 21:26	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:26	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		11/23/15 21:26	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		11/23/15 21:26	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		11/23/15 21:26	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:26	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:26	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		11/23/15 21:26	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		11/23/15 21:26	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:26	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:26	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		11/23/15 21:26	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		11/23/15 21:26	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:26	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		11/23/15 21:26	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		11/23/15 21:26	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		11/23/15 21:26	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:26	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:26	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:26	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		11/23/15 21:26	75-01-4	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		11/23/15 21:26	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:26	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		11/23/15 21:26	460-00-4	
Dibromofluoromethane (S)	123	%	70-130		1		11/23/15 21:26	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		11/23/15 21:26	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**13.5**	mg/L	4.0	2.0	1		12/04/15 21:46	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2								
Nitrogen, NO2 plus NO3	**<0.095**	mg/L	0.25	0.095	1		12/04/15 12:02		

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ANALYTICAL RESULTS

Project: 903AXUC TOWER STANDARD
Pace Project No.: 40124997

Sample: MW18 @35-40 **Lab ID: 40124997006** Collected: 11/17/15 13:50 Received: 11/19/15 08:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Cadmium, Dissolved	**0.63J**	ug/L	5.0	0.60	1		11/30/15 19:21	7440-43-9	
Iron, Dissolved	**247**	ug/L	100	12.9	1		11/30/15 19:21	7439-89-6	
Lead, Dissolved	**<3.0**	ug/L	7.5	3.0	1		11/30/15 19:21	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:48	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		11/23/15 21:48	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		11/23/15 21:48	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:48	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:48	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		11/23/15 21:48	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:48	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		11/23/15 21:48	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		11/23/15 21:48	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:48	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:48	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		11/23/15 21:48	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		11/23/15 21:48	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:48	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:48	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		11/23/15 21:48	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		11/23/15 21:48	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:48	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		11/23/15 21:48	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		11/23/15 21:48	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:48	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:48	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:48	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		11/23/15 21:48	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		11/23/15 21:48	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		11/23/15 21:48	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		11/23/15 21:48	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		11/23/15 21:48	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		11/23/15 21:48	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		11/23/15 21:48	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:48	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		11/23/15 21:48	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		11/23/15 21:48	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:48	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		11/23/15 21:48	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:48	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:48	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		11/23/15 21:48	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		11/23/15 21:48	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:48	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		11/23/15 21:48	75-09-2	

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ANALYTICAL RESULTS

Project: 903AXUC TOWER STANDARD
Pace Project No.: 40124997

Sample: MW18 @35-40 **Lab ID: 40124997006** Collected: 11/17/15 13:50 Received: 11/19/15 08:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		11/23/15 21:48	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		11/23/15 21:48	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:48	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:48	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		11/23/15 21:48	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		11/23/15 21:48	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:48	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:48	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		11/23/15 21:48	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		11/23/15 21:48	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:48	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		11/23/15 21:48	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		11/23/15 21:48	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		11/23/15 21:48	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:48	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:48	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:48	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		11/23/15 21:48	75-01-4	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		11/23/15 21:48	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 21:48	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		11/23/15 21:48	460-00-4	
Dibromofluoromethane (S)	120	%	70-130		1		11/23/15 21:48	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		11/23/15 21:48	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**9.1**	mg/L	4.0	2.0	1		12/04/15 21:58	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2								
Nitrogen, NO2 plus NO3	**<0.095**	mg/L	0.25	0.095	1		12/04/15 12:03		

Sample: MW22 **Lab ID: 40124997007** Collected: 11/17/15 09:15 Received: 11/19/15 08:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Cadmium, Dissolved	**<0.60**	ug/L	5.0	0.60	1		11/30/15 19:23	7440-43-9	
Iron, Dissolved	**63.4J**	ug/L	100	12.9	1		11/30/15 19:23	7439-89-6	
Lead, Dissolved	**<3.0**	ug/L	7.5	3.0	1		11/30/15 19:23	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 22:10	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		11/23/15 22:10	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		11/23/15 22:10	74-97-5	

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ANALYTICAL RESULTS

Project: 903AXUC TOWER STANDARD
Pace Project No.: 40124997

Sample: MW22 **Lab ID: 40124997007** Collected: 11/17/15 09:15 Received: 11/19/15 08:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		11/23/15 22:10	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		11/23/15 22:10	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		11/23/15 22:10	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 22:10	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		11/23/15 22:10	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		11/23/15 22:10	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		11/23/15 22:10	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 22:10	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		11/23/15 22:10	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		11/23/15 22:10	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		11/23/15 22:10	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 22:10	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		11/23/15 22:10	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		11/23/15 22:10	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		11/23/15 22:10	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		11/23/15 22:10	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		11/23/15 22:10	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 22:10	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 22:10	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 22:10	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		11/23/15 22:10	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		11/23/15 22:10	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		11/23/15 22:10	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		11/23/15 22:10	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		11/23/15 22:10	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		11/23/15 22:10	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		11/23/15 22:10	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		11/23/15 22:10	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		11/23/15 22:10	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		11/23/15 22:10	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 22:10	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		11/23/15 22:10	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		11/23/15 22:10	108-20-3	
Ethylbenzene	**11.9**	ug/L	1.0	0.50	1		11/23/15 22:10	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		11/23/15 22:10	87-68-3	
Isopropylbenzene (Cumene)	**1.0**	ug/L	1.0	0.14	1		11/23/15 22:10	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 22:10	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		11/23/15 22:10	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		11/23/15 22:10	1634-04-4	
Naphthalene	**5.2**	ug/L	5.0	2.5	1		11/23/15 22:10	91-20-3	
n-Propylbenzene	**2.3**	ug/L	1.0	0.50	1		11/23/15 22:10	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 22:10	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		11/23/15 22:10	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		11/23/15 22:10	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 22:10	127-18-4	
Toluene	**2.5**	ug/L	1.0	0.50	1		11/23/15 22:10	108-88-3	

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ANALYTICAL RESULTS

Project: 903AXUC TOWER STANDARD
Pace Project No.: 40124997

Sample: MW22 **Lab ID: 40124997007** Collected: 11/17/15 09:15 Received: 11/19/15 08:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		11/23/15 22:10	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		11/23/15 22:10	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		11/23/15 22:10	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		11/23/15 22:10	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		11/23/15 22:10	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		11/23/15 22:10	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		11/23/15 22:10	96-18-4	
1,2,4-Trimethylbenzene	**57.7**	ug/L	1.0	0.50	1		11/23/15 22:10	95-63-6	
1,3,5-Trimethylbenzene	**22.5**	ug/L	1.0	0.50	1		11/23/15 22:10	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		11/23/15 22:10	75-01-4	
m&p-Xylene	**44.6**	ug/L	2.0	1.0	1		11/23/15 22:10	179601-23-1	
o-Xylene	**10.5**	ug/L	1.0	0.50	1		11/23/15 22:10	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		11/23/15 22:10	460-00-4	
Dibromofluoromethane (S)	121	%	70-130		1		11/23/15 22:10	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		11/23/15 22:10	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**9.5**	mg/L	4.0	2.0	1		12/04/15 22:09	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2								
Nitrogen, NO2 plus NO3	**3.9**	mg/L	0.25	0.095	1		12/04/15 12:04		

Sample: MW22 @35-40 **Lab ID: 40124997008** Collected: 11/17/15 09:42 Received: 11/19/15 08:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Cadmium, Dissolved	**<0.60**	ug/L	5.0	0.60	1		11/30/15 19:26	7440-43-9	
Iron, Dissolved	**<12.9**	ug/L	100	12.9	1		11/30/15 19:26	7439-89-6	
Lead, Dissolved	**3.7J**	ug/L	7.5	3.0	1		11/30/15 19:26	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 22:33	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		11/23/15 22:33	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		11/23/15 22:33	74-97-5	
Bromodichloromethane	**1.3**	ug/L	1.0	0.50	1		11/23/15 22:33	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		11/23/15 22:33	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		11/23/15 22:33	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 22:33	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		11/23/15 22:33	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		11/23/15 22:33	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		11/23/15 22:33	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 22:33	108-90-7	

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EPA-R5-2017-010506_0002958

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ANALYTICAL RESULTS

Project: 903AXUC TOWER STANDARD
Pace Project No.: 40124997

Sample: MW22 @35-40 **Lab ID: 40124997008** Collected: 11/17/15 09:42 Received: 11/19/15 08:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		11/23/15 22:33	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		11/23/15 22:33	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		11/23/15 22:33	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 22:33	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		11/23/15 22:33	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		11/23/15 22:33	96-12-8	
Dibromochloromethane	**1.0**	ug/L	1.0	0.50	1		11/23/15 22:33	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		11/23/15 22:33	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		11/23/15 22:33	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 22:33	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 22:33	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 22:33	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		11/23/15 22:33	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		11/23/15 22:33	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		11/23/15 22:33	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		11/23/15 22:33	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		11/23/15 22:33	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		11/23/15 22:33	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		11/23/15 22:33	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		11/23/15 22:33	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		11/23/15 22:33	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		11/23/15 22:33	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 22:33	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		11/23/15 22:33	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		11/23/15 22:33	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 22:33	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		11/23/15 22:33	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		11/23/15 22:33	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 22:33	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		11/23/15 22:33	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		11/23/15 22:33	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		11/23/15 22:33	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 22:33	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 22:33	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		11/23/15 22:33	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		11/23/15 22:33	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 22:33	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 22:33	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		11/23/15 22:33	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		11/23/15 22:33	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		11/23/15 22:33	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		11/23/15 22:33	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		11/23/15 22:33	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		11/23/15 22:33	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		11/23/15 22:33	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 22:33	95-63-6	

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ANALYTICAL RESULTS

Project: 903AXUC TOWER STANDARD
Pace Project No.: 40124997

Sample: MW22 @35-40 **Lab ID: 40124997008** Collected: 11/17/15 09:42 Received: 11/19/15 08:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/23/15 22:33	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		11/23/15 22:33	75-01-4	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		11/23/15 22:33	179601-23-1	
o-Xylene	**0.75J**	ug/L	1.0	0.50	1		11/23/15 22:33	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		11/23/15 22:33	460-00-4	
Dibromofluoromethane (S)	124	%	70-130		1		11/23/15 22:33	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		11/23/15 22:33	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**29.3**	mg/L	4.0	2.0	1		12/04/15 22:21	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2								
Nitrogen, NO2 plus NO3	**0.38**	mg/L	0.25	0.095	1		12/04/15 12:05		

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QUALITY CONTROL DATA

Project: 903AXUC TOWER STANDARD
Pace Project No.: 40124997

QC Batch: ICP/11504 | Analysis Method: EPA 6010
QC Batch Method: EPA 6010 | Analysis Description: ICP Metals, Trace, Dissolved
Associated Lab Samples: 40124997001, 40124997002, 40124997003, 40124997004, 40124997005, 40124997006, 40124997007, 40124997008

METHOD BLANK: 1264271 | Matrix: Water
Associated Lab Samples: 40124997001, 40124997002, 40124997003, 40124997004, 40124997005, 40124997006, 40124997007, 40124997008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cadmium, Dissolved	ug/L	<0.60	5.0	11/30/15 18:45	
Iron, Dissolved	ug/L	<12.9	100	11/30/15 18:45	
Lead, Dissolved	ug/L	<3.0	7.5	11/30/15 18:45	

LABORATORY CONTROL SAMPLE: 1264272

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cadmium, Dissolved	ug/L	500	493	99	80-120	
Iron, Dissolved	ug/L	5000	4710	94	80-120	
Lead, Dissolved	ug/L	500	479	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1264273 1264274

Parameter	Units	40124895001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cadmium, Dissolved	ug/L	<0.60	500	500	499	494	100	99	75-125	1	20	
Iron, Dissolved	ug/L	1180	5000	5000	5860	5850	93	93	75-125	0	20	
Lead, Dissolved	ug/L	<3.0	500	500	481	472	96	94	75-125	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.

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QUALITY CONTROL DATA

Project: 903AXUC TOWER STANDARD
Pace Project No.: 40124997

QC Batch: MSV/31354 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40124997001, 40124997002, 40124997003, 40124997004, 40124997005, 40124997006, 40124997007, 40124997008

METHOD BLANK: 1262589 Matrix: Water
Associated Lab Samples: 40124997001, 40124997002, 40124997003, 40124997004, 40124997005, 40124997006, 40124997007, 40124997008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	11/23/15 14:43	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	11/23/15 14:43	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	11/23/15 14:43	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	11/23/15 14:43	
1,1-Dichloroethane	ug/L	<0.24	1.0	11/23/15 14:43	
1,1-Dichloroethene	ug/L	<0.41	1.0	11/23/15 14:43	
1,1-Dichloropropene	ug/L	<0.44	1.0	11/23/15 14:43	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	11/23/15 14:43	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	11/23/15 14:43	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	11/23/15 14:43	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	11/23/15 14:43	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	11/23/15 14:43	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	11/23/15 14:43	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	11/23/15 14:43	
1,2-Dichloroethane	ug/L	<0.17	1.0	11/23/15 14:43	
1,2-Dichloropropane	ug/L	<0.23	1.0	11/23/15 14:43	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	11/23/15 14:43	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	11/23/15 14:43	
1,3-Dichloropropane	ug/L	<0.50	1.0	11/23/15 14:43	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	11/23/15 14:43	
2,2-Dichloropropane	ug/L	<0.48	1.0	11/23/15 14:43	
2-Chlorotoluene	ug/L	<0.50	1.0	11/23/15 14:43	
4-Chlorotoluene	ug/L	<0.21	1.0	11/23/15 14:43	
Benzene	ug/L	<0.50	1.0	11/23/15 14:43	
Bromobenzene	ug/L	<0.23	1.0	11/23/15 14:43	
Bromochloromethane	ug/L	<0.34	1.0	11/23/15 14:43	
Bromodichloromethane	ug/L	<0.50	1.0	11/23/15 14:43	
Bromoform	ug/L	<0.50	1.0	11/23/15 14:43	
Bromomethane	ug/L	<2.4	5.0	11/23/15 14:43	
Carbon tetrachloride	ug/L	<0.50	1.0	11/23/15 14:43	
Chlorobenzene	ug/L	<0.50	1.0	11/23/15 14:43	
Chloroethane	ug/L	<0.37	1.0	11/23/15 14:43	
Chloroform	ug/L	<2.5	5.0	11/23/15 14:43	
Chloromethane	ug/L	<0.50	1.0	11/23/15 14:43	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	11/23/15 14:43	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	11/23/15 14:43	
Dibromochloromethane	ug/L	<0.50	1.0	11/23/15 14:43	
Dibromomethane	ug/L	<0.43	1.0	11/23/15 14:43	
Dichlorodifluoromethane	ug/L	<0.22	1.0	11/23/15 14:43	
Diisopropyl ether	ug/L	<0.50	1.0	11/23/15 14:43	

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Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 903AXUC TOWER STANDARD
Pace Project No.: 40124997

METHOD BLANK: 1262589 Matrix: Water

Associated Lab Samples: 40124997001, 40124997002, 40124997003, 40124997004, 40124997005, 40124997006, 40124997007, 40124997008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.50	1.0	11/23/15 14:43	
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	11/23/15 14:43	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	11/23/15 14:43	
m&p-Xylene	ug/L	<1.0	2.0	11/23/15 14:43	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	11/23/15 14:43	
Methylene Chloride	ug/L	<0.23	1.0	11/23/15 14:43	
n-Butylbenzene	ug/L	<0.50	1.0	11/23/15 14:43	
n-Propylbenzene	ug/L	<0.50	1.0	11/23/15 14:43	
Naphthalene	ug/L	<2.5	5.0	11/23/15 14:43	
o-Xylene	ug/L	<0.50	1.0	11/23/15 14:43	
p-Isopropyltoluene	ug/L	<0.50	1.0	11/23/15 14:43	
sec-Butylbenzene	ug/L	<2.2	5.0	11/23/15 14:43	
Styrene	ug/L	<0.50	1.0	11/23/15 14:43	
tert-Butylbenzene	ug/L	<0.18	1.0	11/23/15 14:43	
Tetrachloroethene	ug/L	<0.50	1.0	11/23/15 14:43	
Toluene	ug/L	<0.50	1.0	11/23/15 14:43	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	11/23/15 14:43	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	11/23/15 14:43	
Trichloroethene	ug/L	<0.33	1.0	11/23/15 14:43	
Trichlorofluoromethane	ug/L	<0.18	1.0	11/23/15 14:43	
Vinyl chloride	ug/L	<0.18	1.0	11/23/15 14:43	
4-Bromofluorobenzene (S)	%	97	70-130	11/23/15 14:43	
Dibromofluoromethane (S)	%	119	70-130	11/23/15 14:43	
Toluene-d8 (S)	%	100	70-130	11/23/15 14:43	

LABORATORY CONTROL SAMPLE: 1262590

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	24.3	122	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	20.1	100	70-130	
1,1,2-Trichloroethane	ug/L	20	19.6	98	70-130	
1,1-Dichloroethane	ug/L	20	22.4	112	70-130	
1,1-Dichloroethene	ug/L	20	21.5	108	70-130	
1,2,4-Trichlorobenzene	ug/L	20	16.7	83	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	19.2	96	50-150	
1,2-Dibromoethane (EDB)	ug/L	20	18.5	93	70-130	
1,2-Dichlorobenzene	ug/L	20	19.0	95	70-130	
1,2-Dichloroethane	ug/L	20	20.5	103	70-131	
1,2-Dichloropropane	ug/L	20	20.1	100	70-130	
1,3-Dichlorobenzene	ug/L	20	18.7	93	70-130	
1,4-Dichlorobenzene	ug/L	20	18.6	93	70-130	
Benzene	ug/L	20	19.4	97	70-130	
Bromodichloromethane	ug/L	20	19.1	95	70-130	

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QUALITY CONTROL DATA

Project: 903AXUC TOWER STANDARD
Pace Project No.: 40124997

LABORATORY CONTROL SAMPLE: 1262590

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/L	20	19.2	96	68-130	
Bromomethane	ug/L	20	15.4	77	38-137	
Carbon tetrachloride	ug/L	20	21.1	106	70-130	
Chlorobenzene	ug/L	20	19.8	99	70-130	
Chloroethane	ug/L	20	18.1	91	70-136	
Chloroform	ug/L	20	23.2	116	70-130	
Chloromethane	ug/L	20	15.9	79	48-144	
cis-1,2-Dichloroethene	ug/L	20	20.2	101	70-130	
cis-1,3-Dichloropropene	ug/L	20	17.4	87	70-130	
Dibromochloromethane	ug/L	20	19.9	100	70-130	
Dichlorodifluoromethane	ug/L	20	12.4	62	33-157	
Ethylbenzene	ug/L	20	18.9	95	70-132	
Isopropylbenzene (Cumene)	ug/L	20	18.6	93	70-130	
m&p-Xylene	ug/L	40	37.6	94	70-131	
Methyl-tert-butyl ether	ug/L	20	19.7	99	48-141	
Methylene Chloride	ug/L	20	20.8	104	70-130	
o-Xylene	ug/L	20	18.3	91	70-131	
Styrene	ug/L	20	18.4	92	70-130	
Tetrachloroethene	ug/L	20	19.3	97	70-130	
Toluene	ug/L	20	19.0	95	70-130	
trans-1,2-Dichloroethene	ug/L	20	21.7	109	70-130	
trans-1,3-Dichloropropene	ug/L	20	16.9	85	70-130	
Trichloroethene	ug/L	20	20.0	100	70-130	
Trichlorofluoromethane	ug/L	20	22.4	112	50-150	
Vinyl chloride	ug/L	20	21.0	105	65-142	
4-Bromofluorobenzene (S)	%			97	70-130	
Dibromofluoromethane (S)	%			119	70-130	
Toluene-d8 (S)	%			99	70-130	

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QUALITY CONTROL DATA

Project: 903AXUC TOWER STANDARD
Pace Project No.: 40124997

QC Batch: WETA/31482 | Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 | Analysis Description: 300.0 IC Anions
Associated Lab Samples: 40124997001

METHOD BLANK: 1266643 | Matrix: Water
Associated Lab Samples: 40124997001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	<2.0	4.0	12/02/15 00:21	

LABORATORY CONTROL SAMPLE: 1266644

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	20	19.2	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1266645 1266646

Parameter	Units	40124939002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfate	mg/L	66.4J	400	400	421	426	89	90	90-110	1	20	M0

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1266647 1266648

Parameter	Units	40124997001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfate	mg/L	<10.0	100	100	96.8	97.3	88	88	90-110	0	20	M0

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 903AXUC TOWER STANDARD
Pace Project No.: 40124997

QC Batch: WETA/31499 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 40124997002, 40124997003, 40124997004, 40124997005, 40124997006, 40124997007, 40124997008

METHOD BLANK: 1266948 Matrix: Water
Associated Lab Samples: 40124997002, 40124997003, 40124997004, 40124997005, 40124997006, 40124997007, 40124997008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	<2.0	4.0	12/04/15 20:02	

LABORATORY CONTROL SAMPLE: 1266949

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	20	19.7	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1266950 1266951

Parameter	Units	40124997002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfate	mg/L	<10.0	100	100	101	101	93	93	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1266952 1266953

Parameter	Units	40125015001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfate	mg/L	52.6	200	200	240	241	94	94	90-110	0	20	

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QUALITY CONTROL DATA

Project: 903AXUC TOWER STANDARD
Pace Project No.: 40124997

QC Batch: WETA/31540 | Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 | Analysis Description: 353.2 Nitrate + Nitrite, preserved
Associated Lab Samples: 40124997001, 40124997002

METHOD BLANK: 1268209 | Matrix: Water
Associated Lab Samples: 40124997001, 40124997002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	<0.095	0.25	12/04/15 11:29	

LABORATORY CONTROL SAMPLE: 1268210

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	2.5	2.5	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1268211 1268212

Parameter	Units	40124969006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, NO2 plus NO3	mg/L	1.1	2.5	2.5	3.4	3.4	94	94	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1268213 1268214

Parameter	Units	40124997002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, NO2 plus NO3	mg/L	<0.095	2.5	2.5	2.4	2.4	95	96	90-110	1	20	

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EPA-R5-2017-010506_0002958

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QUALITY CONTROL DATA

Project: 903AXUC TOWER STANDARD
Pace Project No.: 40124997

QC Batch: WETA/31541 | Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 | Analysis Description: 353.2 Nitrate + Nitrite, preserved
Associated Lab Samples: 40124997003, 40124997004, 40124997005, 40124997006, 40124997007, 40124997008

METHOD BLANK: 1268217 | Matrix: Water
Associated Lab Samples: 40124997003, 40124997004, 40124997005, 40124997006, 40124997007, 40124997008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	<0.095	0.25	12/04/15 11:56	

LABORATORY CONTROL SAMPLE: 1268218

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1268219 1268220

Parameter	Units	40125032001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, NO2 plus NO3	mg/L	<0.095	2.5	2.5	2.5	2.5	97	98	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1268221 1268222

Parameter	Units	40125046003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, NO2 plus NO3	mg/L	3.3	2.5	2.5	5.7	5.6	95	92	90-110	1	20	

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EPA-R5-2017-010506_0002958

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(920)469-2436

QUALIFIERS

Project: 903AXUC TOWER STANDARD
Pace Project No.: 40124997

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

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 903AXUC TOWER STANDARD
Pace Project No.: 40124997

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40124997001	**MW16**	EPA 6010	ICP/11504		
40124997002	**MW16 @ 37-42**	EPA 6010	ICP/11504		
40124997003	**MW17 @ 31-36**	EPA 6010	ICP/11504		
40124997004	**MW17**	EPA 6010	ICP/11504		
40124997005	**MW18**	EPA 6010	ICP/11504		
40124997006	**MW18 @35-40**	EPA 6010	ICP/11504		
40124997007	**MW22**	EPA 6010	ICP/11504		
40124997008	**MW22 @35-40**	EPA 6010	ICP/11504		
40124997001	**MW16**	EPA 8260	MSV/31354		
40124997002	**MW16 @ 37-42**	EPA 8260	MSV/31354		
40124997003	**MW17 @ 31-36**	EPA 8260	MSV/31354		
40124997004	**MW17**	EPA 8260	MSV/31354		
40124997005	**MW18**	EPA 8260	MSV/31354		
40124997006	**MW18 @35-40**	EPA 8260	MSV/31354		
40124997007	**MW22**	EPA 8260	MSV/31354		
40124997008	**MW22 @35-40**	EPA 8260	MSV/31354		
40124997001	**MW16**	EPA 300.0	WETA/31482		
40124997002	**MW16 @ 37-42**	EPA 300.0	WETA/31499		
40124997003	**MW17 @ 31-36**	EPA 300.0	WETA/31499		
40124997004	**MW17**	EPA 300.0	WETA/31499		
40124997005	**MW18**	EPA 300.0	WETA/31499		
40124997006	**MW18 @35-40**	EPA 300.0	WETA/31499		
40124997007	**MW22**	EPA 300.0	WETA/31499		
40124997008	**MW22 @35-40**	EPA 300.0	WETA/31499		
40124997001	**MW16**	EPA 353.2	WETA/31540		
40124997002	**MW16 @ 37-42**	EPA 353.2	WETA/31540		
40124997003	**MW17 @ 31-36**	EPA 353.2	WETA/31541		
40124997004	**MW17**	EPA 353.2	WETA/31541		
40124997005	**MW18**	EPA 353.2	WETA/31541		
40124997006	**MW18 @35-40**	EPA 353.2	WETA/31541		
40124997007	**MW22**	EPA 353.2	WETA/31541		
40124997008	**MW22 @35-40**	EPA 353.2	WETA/31541		

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

Page 1 of

mm

40124997

CHAIN OF CUSTODY

(Please Print Clearly)	
Company Name:	REI
Branch/Location:	Wausau
Project Contact:	Dave Larsen
Phone:	715-675-9784
Project Number:	903AXUC
Project Name:	Tower Standard
Project State:	WI
Sampled By (Print):	Scott Blado
Sampled By (Sign):	Scott Blado
PO #:	
Regulatory Program:	

Quote #:	
Mail To Contact:	Dave Larsen
Mail To Company:	REI
Mail To Address:	DLarsen@reiengineering.com
Invoice To Contact:	SAA
Invoice To Company:	SAA
Invoice To Address:	
Invoice To Phone:	

*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

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

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	VOC (B)	Sulfate (A)	Nitrate, Nitrite (C)	Diss. Pb, Diss. Fe, Diss. Cadmium (D)	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	MW-16	11/17	10:30	GW	✓	✓	✓	✓		3-40mlVB 3-250mlPACD	
002	MW-16 Deep		11:15								
003	MW-17		12:15								
004	MW-17 Deep		12:45								
005	MW-18		1:25								
006	MW-18 Deep		1:50								
007	MW-22		9:15								
008	MW-22 Deep		9:42								

FILTERED? (YES/NO): N N N Y
PRESERVATION (CODE)*: B A C D

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

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

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
Jarrett Igeus-REI	11/18/15 2PM		
Walco	11/19/15 0830	CJ/Pace	11/19/15 0830

PACE Project No. 40124997
Receipt Temp = ROI °C
Sample Receipt pH (OK) Adjusted
Cooler Custody Seal Present / ~~Not Present~~ Intact / Not Intact

C019a(27Jun2006)
Version 6.0 06/14/06
ORIGINAL

Sample Condition Upon Receipt

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

Pace Analytical™

Project # **WO#: 40124997**

40124997

Client Name: REI

Courier: ☐ Fed Ex ☐ UPS ☐ Client ☐ Pace Other: Walter

Tracking #: 919815-1

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

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

Packing Material: ☒ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other

Thermometer Used N/A **Type of Ice:** (Wet) Blue Dry None ☒ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: /Corr: ROI **Biological Tissue is Frozen:** ☐ yes ☐ no

Temp Blank Present: ☐ yes ☒ no

Person examining contents:
Date: 11/19/15
Initials: CP

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

		Comments:
Chain of Custody Present:	☒ 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 & Signature on COC:	☒ Yes ☐ No ☐ N/A	4.
Samples Arrived within Hold Time:	☒ Yes ☐ No ☐ N/A	5.
- VOA Samples frozen upon receipt	☐ Yes ☐ No	Date/Time:
Short Hold Time Analysis (<72hr):	☐ 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	
-Pace IR Containers Used:	☐ Yes ☒ No ☐ N/A	
Containers Intact:	☒ Yes ☐ No ☐ N/A	10.
Filtered volume received for Dissolved tests	☒ Yes ☐ No ☐ N/A	11.
Sample Labels match COC:	☒ Yes ☐ No ☐ N/A	12.
-Includes date/time/ID/Analysis Matrix: W		
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	☒ Yes ☐ No ☐ N/A	13. ☒ HNO3 ☒ H2SO4 ☐ NaOH ☐ NaOH +ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	☒ Yes ☐ No ☐ N/A	
exceptions: (VOA), coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	☒ Yes ☐ No	Initial when completed CP / Lab Std #ID of preservative / Date/Time:
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):		

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

Person Contacted: Date/Time:

Comments/ Resolution:

Project Manager Review: **Date:** 11-19-15

F-GB-C-031-Rev.03 (9April2015) SCUR Form