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

December 01, 2015

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

RE: Project: 903 TOWER STANDARD
Pace Project No.: 40124714

Dear DAVID LARSEN:
Enclosed are the analytical results for sample(s) received by the laboratory on November 13, 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,

Brian Basten
brian.basten@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

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 ID: 460263
Virginia VELAP Certification ID: 460263
Wisconsin Certification #: 405132750

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SAMPLE SUMMARY

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40124714001	**MW1-LDF**	Water	11/10/15 14:30	11/13/15 08:50
40124714002	**MW2-LDF**	Water	11/10/15 13:20	11/13/15 08:50
40124714003	**MW3-LDF**	Water	11/10/15 13:50	11/13/15 08:50
40124714004	**MW19**	Water	11/11/15 11:20	11/13/15 08:50
40124714005	**MW19 @ 35-40**	Water	11/11/15 12:00	11/13/15 08:50
40124714006	**MW20**	Water	11/11/15 12:45	11/13/15 08:50
40124714007	**MW20 @ 20-25**	Water	11/11/15 13:30	11/13/15 08:50
40124714008	**MW21**	Water	11/11/15 10:45	11/13/15 08:50
40124714009	**MW21 @ 35-40**	Water	11/11/15 10:20	11/13/15 08:50

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SAMPLE ANALYTE COUNT

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40124714001	**MW1-LDF**	EPA 6010	DLB	3
		EPA 8260	LAP	64
		EPA 300.0	HMB	1
		EPA 353.2	DAW	1
40124714002	**MW2-LDF**	EPA 6010	DLB	3
		EPA 8260	LAP	64
		EPA 300.0	HMB	1
		EPA 353.2	DAW	1
40124714003	**MW3-LDF**	EPA 6010	DLB	3
		EPA 8260	LAP	64
		EPA 300.0	HMB	1
		EPA 353.2	DAW	1
40124714004	**MW19**	EPA 6010	DLB	3
		EPA 8260	LAP	64
		EPA 300.0	HMB	1
		EPA 353.2	DAW	1
40124714005	**MW19 @ 35-40**	EPA 6010	DLB	3
		EPA 8260	LAP	64
		EPA 300.0	HMB	1
		EPA 353.2	DAW	1
40124714006	**MW20**	EPA 6010	DLB	3
		EPA 8260	LAP	64
		EPA 300.0	HMB	1
		EPA 353.2	DAW	1
40124714007	**MW20 @ 20-25**	EPA 6010	DLB	3
		EPA 8260	AJP	64
		EPA 300.0	HMB	1
		EPA 353.2	DAW	1
40124714008	**MW21**	EPA 6010	DLB	3
		EPA 8260	AJP	64
		EPA 300.0	HMB	1
		EPA 353.2	DAW	1
40124714009	**MW21 @ 35-40**	EPA 6010	DLB	3
		EPA 8260	AJP	64
		EPA 300.0	HMB	1
		EPA 353.2	DAW	1

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ANALYTICAL RESULTS

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

Sample: MW1-LDF **Lab ID: 40124714001** Collected: 11/10/15 14:30 Received: 11/13/15 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Cadmium, Dissolved	**1.2J**	ug/L	5.0	0.60	1		11/23/15 15:52	7440-43-9	B
Iron, Dissolved	**204**	ug/L	100	12.9	1		11/23/15 15:52	7439-89-6	
Lead, Dissolved	**<3.0**	ug/L	7.5	3.0	1		11/23/15 15:52	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 01:51	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		11/17/15 01:51	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		11/17/15 01:51	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		11/17/15 01:51	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		11/17/15 01:51	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		11/17/15 01:51	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 01:51	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		11/17/15 01:51	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		11/17/15 01:51	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		11/17/15 01:51	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 01:51	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		11/17/15 01:51	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		11/17/15 01:51	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		11/17/15 01:51	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 01:51	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		11/17/15 01:51	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		11/17/15 01:51	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		11/17/15 01:51	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		11/17/15 01:51	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		11/17/15 01:51	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 01:51	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 01:51	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 01:51	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		11/17/15 01:51	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		11/17/15 01:51	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		11/17/15 01:51	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		11/17/15 01:51	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		11/17/15 01:51	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		11/17/15 01:51	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		11/17/15 01:51	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		11/17/15 01:51	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		11/17/15 01:51	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		11/17/15 01:51	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 01:51	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		11/17/15 01:51	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		11/17/15 01:51	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 01:51	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		11/17/15 01:51	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		11/17/15 01:51	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 01:51	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		11/17/15 01:51	75-09-2	

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ANALYTICAL RESULTS

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

Sample: MW1-LDF **Lab ID: 40124714001** Collected: 11/10/15 14:30 Received: 11/13/15 08:50 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		11/17/15 01:51	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		11/17/15 01:51	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 01:51	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 01:51	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		11/17/15 01:51	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		11/17/15 01:51	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 01:51	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 01:51	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		11/17/15 01:51	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		11/17/15 01:51	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		11/17/15 01:51	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		11/17/15 01:51	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		11/17/15 01:51	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		11/17/15 01:51	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		11/17/15 01:51	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 01:51	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 01:51	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		11/17/15 01:51	75-01-4	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		11/17/15 01:51	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 01:51	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		11/17/15 01:51	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		11/17/15 01:51	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		11/17/15 01:51	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**21.2**	mg/L	20.0	10.0	5		11/30/15 20:37	14808-79-8	
353.2 Nitrogen, Dissolved Pres	Analytical Method: EPA 353.2								
Nitrogen, NO2 plus NO3, Dissolved	**<0.095**	mg/L	0.25	0.095	1		11/24/15 12:25		

Sample: MW2-LDF **Lab ID: 40124714002** Collected: 11/10/15 13:20 Received: 11/13/15 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Cadmium, Dissolved	**1.2J**	ug/L	5.0	0.60	1		11/23/15 15:59	7440-43-9	B
Iron, Dissolved	**16.3J**	ug/L	100	12.9	1		11/23/15 15:59	7439-89-6	
Lead, Dissolved	**3.2J**	ug/L	7.5	3.0	1		11/23/15 15:59	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:13	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		11/17/15 02:13	108-86-1	

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ANALYTICAL RESULTS

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

Sample: MW2-LDF **Lab ID: 40124714002** Collected: 11/10/15 13:20 Received: 11/13/15 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		11/17/15 02:13	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:13	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:13	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		11/17/15 02:13	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:13	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		11/17/15 02:13	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		11/17/15 02:13	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:13	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:13	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		11/17/15 02:13	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		11/17/15 02:13	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:13	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:13	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		11/17/15 02:13	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		11/17/15 02:13	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:13	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		11/17/15 02:13	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		11/17/15 02:13	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:13	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:13	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:13	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		11/17/15 02:13	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		11/17/15 02:13	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		11/17/15 02:13	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		11/17/15 02:13	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		11/17/15 02:13	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		11/17/15 02:13	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		11/17/15 02:13	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:13	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		11/17/15 02:13	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		11/17/15 02:13	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:13	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		11/17/15 02:13	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:13	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:13	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		11/17/15 02:13	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		11/17/15 02:13	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:13	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		11/17/15 02:13	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		11/17/15 02:13	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		11/17/15 02:13	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:13	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:13	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		11/17/15 02:13	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		11/17/15 02:13	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:13	127-18-4	

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ANALYTICAL RESULTS

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

Sample: MW2-LDF **Lab ID: 40124714002** Collected: 11/10/15 13:20 Received: 11/13/15 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Toluene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:13	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		11/17/15 02:13	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		11/17/15 02:13	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:13	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		11/17/15 02:13	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		11/17/15 02:13	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		11/17/15 02:13	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:13	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:13	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:13	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		11/17/15 02:13	75-01-4	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		11/17/15 02:13	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:13	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		11/17/15 02:13	460-00-4	
Dibromofluoromethane (S)	109	%	70-130		1		11/17/15 02:13	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		11/17/15 02:13	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**22.8**	mg/L	4.0	2.0	1		11/30/15 20:48	14808-79-8	
353.2 Nitrogen, Dissolved Pres	Analytical Method: EPA 353.2								
Nitrogen, NO2 plus NO3, Dissolved	**0.48**	mg/L	0.25	0.095	1		11/24/15 12:25		

Sample: MW3-LDF **Lab ID: 40124714003** Collected: 11/10/15 13:50 Received: 11/13/15 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Cadmium, Dissolved	**1.4J**	ug/L	5.0	0.60	1		11/23/15 16:01	7440-43-9	B
Iron, Dissolved	**<12.9**	ug/L	100	12.9	1		11/23/15 16:01	7439-89-6	
Lead, Dissolved	**<3.0**	ug/L	7.5	3.0	1		11/23/15 16:01	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:36	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		11/17/15 02:36	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		11/17/15 02:36	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:36	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:36	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		11/17/15 02:36	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:36	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		11/17/15 02:36	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		11/17/15 02:36	98-06-6	

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ANALYTICAL RESULTS

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

Sample: MW3-LDF **Lab ID: 40124714003** Collected: 11/10/15 13:50 Received: 11/13/15 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:36	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:36	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		11/17/15 02:36	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		11/17/15 02:36	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:36	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:36	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		11/17/15 02:36	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		11/17/15 02:36	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:36	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		11/17/15 02:36	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		11/17/15 02:36	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:36	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:36	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:36	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		11/17/15 02:36	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		11/17/15 02:36	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		11/17/15 02:36	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		11/17/15 02:36	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		11/17/15 02:36	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		11/17/15 02:36	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		11/17/15 02:36	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:36	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		11/17/15 02:36	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		11/17/15 02:36	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:36	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		11/17/15 02:36	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:36	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:36	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		11/17/15 02:36	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		11/17/15 02:36	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:36	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		11/17/15 02:36	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		11/17/15 02:36	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		11/17/15 02:36	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:36	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:36	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		11/17/15 02:36	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		11/17/15 02:36	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:36	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:36	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		11/17/15 02:36	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		11/17/15 02:36	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:36	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		11/17/15 02:36	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		11/17/15 02:36	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		11/17/15 02:36	75-69-4	

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ANALYTICAL RESULTS

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

Sample: MW3-LDF **Lab ID: 40124714003** Collected: 11/10/15 13:50 Received: 11/13/15 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:36	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:36	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:36	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		11/17/15 02:36	75-01-4	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		11/17/15 02:36	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:36	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		11/17/15 02:36	460-00-4	
Dibromofluoromethane (S)	110	%	70-130		1		11/17/15 02:36	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		11/17/15 02:36	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**2.8J**	mg/L	4.0	2.0	1		11/30/15 21:00	14808-79-8	
353.2 Nitrogen, Dissolved Pres	Analytical Method: EPA 353.2								
Nitrogen, NO2 plus NO3, Dissolved	**0.35**	mg/L	0.25	0.095	1		11/24/15 12:26		

Sample: MW19 **Lab ID: 40124714004** Collected: 11/11/15 11:20 Received: 11/13/15 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Cadmium, Dissolved	**0.90J**	ug/L	5.0	0.60	1		11/23/15 16:04	7440-43-9	B
Iron, Dissolved	**704**	ug/L	100	12.9	1		11/23/15 16:04	7439-89-6	
Lead, Dissolved	**3.4J**	ug/L	7.5	3.0	1		11/23/15 16:04	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:58	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		11/17/15 02:58	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		11/17/15 02:58	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:58	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:58	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		11/17/15 02:58	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:58	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		11/17/15 02:58	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		11/17/15 02:58	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:58	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:58	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		11/17/15 02:58	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		11/17/15 02:58	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:58	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:58	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		11/17/15 02:58	106-43-4	

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ANALYTICAL RESULTS

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

Sample: MW19 **Lab ID: 40124714004** Collected: 11/11/15 11:20 Received: 11/13/15 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		11/17/15 02:58	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:58	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		11/17/15 02:58	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		11/17/15 02:58	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:58	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:58	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:58	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		11/17/15 02:58	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		11/17/15 02:58	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		11/17/15 02:58	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		11/17/15 02:58	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		11/17/15 02:58	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		11/17/15 02:58	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		11/17/15 02:58	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:58	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		11/17/15 02:58	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		11/17/15 02:58	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:58	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		11/17/15 02:58	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:58	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:58	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		11/17/15 02:58	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		11/17/15 02:58	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:58	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		11/17/15 02:58	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		11/17/15 02:58	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		11/17/15 02:58	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:58	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:58	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		11/17/15 02:58	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		11/17/15 02:58	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:58	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:58	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		11/17/15 02:58	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		11/17/15 02:58	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:58	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		11/17/15 02:58	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		11/17/15 02:58	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		11/17/15 02:58	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:58	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:58	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:58	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		11/17/15 02:58	75-01-4	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		11/17/15 02:58	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:58	95-47-6	

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ANALYTICAL RESULTS

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

Sample: MW19 **Lab ID: 40124714004** Collected: 11/11/15 11:20 Received: 11/13/15 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		11/17/15 02:58	460-00-4	
Dibromofluoromethane (S)	110	%	70-130		1		11/17/15 02:58	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		11/17/15 02:58	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**7.0**	mg/L	4.0	2.0	1		11/30/15 21:11	14808-79-8	
353.2 Nitrogen, Dissolved Pres	Analytical Method: EPA 353.2								
Nitrogen, NO2 plus NO3, Dissolved	**<0.095**	mg/L	0.25	0.095	1		11/24/15 12:30		

Sample: MW19 @ 35-40 **Lab ID: 40124714005** Collected: 11/11/15 12:00 Received: 11/13/15 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Cadmium, Dissolved	**1.1J**	ug/L	5.0	0.60	1		11/23/15 16:06	7440-43-9	B
Iron, Dissolved	**8320**	ug/L	100	12.9	1		11/23/15 16:06	7439-89-6	
Lead, Dissolved	**<3.0**	ug/L	7.5	3.0	1		11/23/15 16:06	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**117**	ug/L	5.0	2.5	5		11/17/15 07:56	71-43-2	
Bromobenzene	**<1.2**	ug/L	5.0	1.2	5		11/17/15 07:56	108-86-1	
Bromochloromethane	**<1.7**	ug/L	5.0	1.7	5		11/17/15 07:56	74-97-5	
Bromodichloromethane	**<2.5**	ug/L	5.0	2.5	5		11/17/15 07:56	75-27-4	
Bromoform	**<2.5**	ug/L	5.0	2.5	5		11/17/15 07:56	75-25-2	
Bromomethane	**<12.2**	ug/L	25.0	12.2	5		11/17/15 07:56	74-83-9	
n-Butylbenzene	**3.7J**	ug/L	5.0	2.5	5		11/17/15 07:56	104-51-8	
sec-Butylbenzene	**<10.9**	ug/L	25.0	10.9	5		11/17/15 07:56	135-98-8	
tert-Butylbenzene	**<0.90**	ug/L	5.0	0.90	5		11/17/15 07:56	98-06-6	
Carbon tetrachloride	**<2.5**	ug/L	5.0	2.5	5		11/17/15 07:56	56-23-5	
Chlorobenzene	**<2.5**	ug/L	5.0	2.5	5		11/17/15 07:56	108-90-7	
Chloroethane	**<1.9**	ug/L	5.0	1.9	5		11/17/15 07:56	75-00-3	
Chloroform	**<12.5**	ug/L	25.0	12.5	5		11/17/15 07:56	67-66-3	
Chloromethane	**<2.5**	ug/L	5.0	2.5	5		11/17/15 07:56	74-87-3	
2-Chlorotoluene	**<2.5**	ug/L	5.0	2.5	5		11/17/15 07:56	95-49-8	
4-Chlorotoluene	**<1.1**	ug/L	5.0	1.1	5		11/17/15 07:56	106-43-4	
1,2-Dibromo-3-chloropropane	**<10.8**	ug/L	25.0	10.8	5		11/17/15 07:56	96-12-8	
Dibromochloromethane	**<2.5**	ug/L	5.0	2.5	5		11/17/15 07:56	124-48-1	
1,2-Dibromoethane (EDB)	**<0.89**	ug/L	5.0	0.89	5		11/17/15 07:56	106-93-4	
Dibromomethane	**<2.1**	ug/L	5.0	2.1	5		11/17/15 07:56	74-95-3	
1,2-Dichlorobenzene	**<2.5**	ug/L	5.0	2.5	5		11/17/15 07:56	95-50-1	
1,3-Dichlorobenzene	**<2.5**	ug/L	5.0	2.5	5		11/17/15 07:56	541-73-1	

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ANALYTICAL RESULTS

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

Sample: MW19 @ 35-40 **Lab ID: 40124714005** Collected: 11/11/15 12:00 Received: 11/13/15 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	**<2.5**	ug/L	5.0	2.5	5		11/17/15 07:56	106-46-7	
Dichlorodifluoromethane	**<1.1**	ug/L	5.0	1.1	5		11/17/15 07:56	75-71-8	
1,1-Dichloroethane	**<1.2**	ug/L	5.0	1.2	5		11/17/15 07:56	75-34-3	
1,2-Dichloroethane	**<0.84**	ug/L	5.0	0.84	5		11/17/15 07:56	107-06-2	
1,1-Dichloroethene	**<2.1**	ug/L	5.0	2.1	5		11/17/15 07:56	75-35-4	
cis-1,2-Dichloroethene	**<1.3**	ug/L	5.0	1.3	5		11/17/15 07:56	156-59-2	
trans-1,2-Dichloroethene	**<1.3**	ug/L	5.0	1.3	5		11/17/15 07:56	156-60-5	
1,2-Dichloropropane	**<1.2**	ug/L	5.0	1.2	5		11/17/15 07:56	78-87-5	
1,3-Dichloropropane	**<2.5**	ug/L	5.0	2.5	5		11/17/15 07:56	142-28-9	
2,2-Dichloropropane	**<2.4**	ug/L	5.0	2.4	5		11/17/15 07:56	594-20-7	
1,1-Dichloropropene	**<2.2**	ug/L	5.0	2.2	5		11/17/15 07:56	563-58-6	
cis-1,3-Dichloropropene	**<2.5**	ug/L	5.0	2.5	5		11/17/15 07:56	10061-01-5	
trans-1,3-Dichloropropene	**<1.1**	ug/L	5.0	1.1	5		11/17/15 07:56	10061-02-6	
Diisopropyl ether	**<2.5**	ug/L	5.0	2.5	5		11/17/15 07:56	108-20-3	
Ethylbenzene	**395**	ug/L	5.0	2.5	5		11/17/15 07:56	100-41-4	
Hexachloro-1,3-butadiene	**<10.5**	ug/L	25.0	10.5	5		11/17/15 07:56	87-68-3	
Isopropylbenzene (Cumene)	**12.2**	ug/L	5.0	0.72	5		11/17/15 07:56	98-82-8	
p-Isopropyltoluene	**<2.5**	ug/L	5.0	2.5	5		11/17/15 07:56	99-87-6	
Methylene Chloride	**<1.2**	ug/L	5.0	1.2	5		11/17/15 07:56	75-09-2	
Methyl-tert-butyl ether	**<0.87**	ug/L	5.0	0.87	5		11/17/15 07:56	1634-04-4	
Naphthalene	**75.1**	ug/L	25.0	12.5	5		11/17/15 07:56	91-20-3	
n-Propylbenzene	**35.8**	ug/L	5.0	2.5	5		11/17/15 07:56	103-65-1	
Styrene	**<2.5**	ug/L	5.0	2.5	5		11/17/15 07:56	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.90**	ug/L	5.0	0.90	5		11/17/15 07:56	630-20-6	
1,1,2,2-Tetrachloroethane	**<1.2**	ug/L	5.0	1.2	5		11/17/15 07:56	79-34-5	
Tetrachloroethene	**<2.5**	ug/L	5.0	2.5	5		11/17/15 07:56	127-18-4	
Toluene	**39.1**	ug/L	5.0	2.5	5		11/17/15 07:56	108-88-3	
1,2,3-Trichlorobenzene	**<10.7**	ug/L	25.0	10.7	5		11/17/15 07:56	87-61-6	
1,2,4-Trichlorobenzene	**<11.0**	ug/L	25.0	11.0	5		11/17/15 07:56	120-82-1	
1,1,1-Trichloroethane	**<2.5**	ug/L	5.0	2.5	5		11/17/15 07:56	71-55-6	
1,1,2-Trichloroethane	**<0.99**	ug/L	5.0	0.99	5		11/17/15 07:56	79-00-5	
Trichloroethene	**<1.7**	ug/L	5.0	1.7	5		11/17/15 07:56	79-01-6	
Trichlorofluoromethane	**<0.92**	ug/L	5.0	0.92	5		11/17/15 07:56	75-69-4	
1,2,3-Trichloropropane	**<2.5**	ug/L	5.0	2.5	5		11/17/15 07:56	96-18-4	
1,2,4-Trimethylbenzene	**133**	ug/L	5.0	2.5	5		11/17/15 07:56	95-63-6	
1,3,5-Trimethylbenzene	**32.8**	ug/L	5.0	2.5	5		11/17/15 07:56	108-67-8	
Vinyl chloride	**<0.88**	ug/L	5.0	0.88	5		11/17/15 07:56	75-01-4	
m&p-Xylene	**885**	ug/L	10.0	5.0	5		11/17/15 07:56	179601-23-1	
o-Xylene	**13.1**	ug/L	5.0	2.5	5		11/17/15 07:56	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		5		11/17/15 07:56	460-00-4	
Dibromofluoromethane (S)	92	%	70-130		5		11/17/15 07:56	1868-53-7	
Toluene-d8 (S)	90	%	70-130		5		11/17/15 07:56	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**10.8J**	mg/L	20.0	10.0	5		11/30/15 21:23	14808-79-8	D3

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

Sample: MW19 @ 35-40 **Lab ID: 40124714005** Collected: 11/11/15 12:00 Received: 11/13/15 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, Dissolved Pres	Analytical Method: EPA 353.2								
Nitrogen, NO2 plus NO3, Dissolved	**<0.095**	mg/L	0.25	0.095	1		11/24/15 12:31		

Sample: MW20 **Lab ID: 40124714006** Collected: 11/11/15 12:45 Received: 11/13/15 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Cadmium, Dissolved	**1.7J**	ug/L	5.0	0.60	1		11/23/15 16:09	7440-43-9	B
Iron, Dissolved	**1440**	ug/L	100	12.9	1		11/23/15 16:09	7439-89-6	
Lead, Dissolved	**20.7**	ug/L	7.5	3.0	1		11/23/15 16:09	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**10100**	ug/L	200	100	200		11/17/15 03:43	71-43-2	
Bromobenzene	**<46.0**	ug/L	200	46.0	200		11/17/15 03:43	108-86-1	
Bromochloromethane	**<68.1**	ug/L	200	68.1	200		11/17/15 03:43	74-97-5	
Bromodichloromethane	**<100**	ug/L	200	100	200		11/17/15 03:43	75-27-4	
Bromoform	**<100**	ug/L	200	100	200		11/17/15 03:43	75-25-2	
Bromomethane	**<487**	ug/L	1000	487	200		11/17/15 03:43	74-83-9	
n-Butylbenzene	**<100**	ug/L	200	100	200		11/17/15 03:43	104-51-8	
sec-Butylbenzene	**<437**	ug/L	1000	437	200		11/17/15 03:43	135-98-8	
tert-Butylbenzene	**<36.1**	ug/L	200	36.1	200		11/17/15 03:43	98-06-6	
Carbon tetrachloride	**<100**	ug/L	200	100	200		11/17/15 03:43	56-23-5	
Chlorobenzene	**<100**	ug/L	200	100	200		11/17/15 03:43	108-90-7	
Chloroethane	**<74.9**	ug/L	200	74.9	200		11/17/15 03:43	75-00-3	
Chloroform	**<500**	ug/L	1000	500	200		11/17/15 03:43	67-66-3	
Chloromethane	**<100**	ug/L	200	100	200		11/17/15 03:43	74-87-3	
2-Chlorotoluene	**<100**	ug/L	200	100	200		11/17/15 03:43	95-49-8	
4-Chlorotoluene	**<42.7**	ug/L	200	42.7	200		11/17/15 03:43	106-43-4	
1,2-Dibromo-3-chloropropane	**<433**	ug/L	1000	433	200		11/17/15 03:43	96-12-8	
Dibromochloromethane	**<100**	ug/L	200	100	200		11/17/15 03:43	124-48-1	
1,2-Dibromoethane (EDB)	**<35.6**	ug/L	200	35.6	200		11/17/15 03:43	106-93-4	
Dibromomethane	**<85.3**	ug/L	200	85.3	200		11/17/15 03:43	74-95-3	
1,2-Dichlorobenzene	**<100**	ug/L	200	100	200		11/17/15 03:43	95-50-1	
1,3-Dichlorobenzene	**<100**	ug/L	200	100	200		11/17/15 03:43	541-73-1	
1,4-Dichlorobenzene	**<100**	ug/L	200	100	200		11/17/15 03:43	106-46-7	
Dichlorodifluoromethane	**<44.8**	ug/L	200	44.8	200		11/17/15 03:43	75-71-8	
1,1-Dichloroethane	**<48.3**	ug/L	200	48.3	200		11/17/15 03:43	75-34-3	
1,2-Dichloroethane	**<33.6**	ug/L	200	33.6	200		11/17/15 03:43	107-06-2	
1,1-Dichloroethene	**<82.0**	ug/L	200	82.0	200		11/17/15 03:43	75-35-4	
cis-1,2-Dichloroethene	**<51.2**	ug/L	200	51.2	200		11/17/15 03:43	156-59-2	
trans-1,2-Dichloroethene	**<51.3**	ug/L	200	51.3	200		11/17/15 03:43	156-60-5	
1,2-Dichloropropane	**<46.6**	ug/L	200	46.6	200		11/17/15 03:43	78-87-5	
1,3-Dichloropropane	**<100**	ug/L	200	100	200		11/17/15 03:43	142-28-9	

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ANALYTICAL RESULTS

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

Sample: MW20 **Lab ID: 40124714006** Collected: 11/11/15 12:45 Received: 11/13/15 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
2,2-Dichloropropane	**<96.8**	ug/L	200	96.8	200		11/17/15 03:43	594-20-7	
1,1-Dichloropropene	**<88.2**	ug/L	200	88.2	200		11/17/15 03:43	563-58-6	
cis-1,3-Dichloropropene	**<100**	ug/L	200	100	200		11/17/15 03:43	10061-01-5	
trans-1,3-Dichloropropene	**<45.9**	ug/L	200	45.9	200		11/17/15 03:43	10061-02-6	
Diisopropyl ether	**<100**	ug/L	200	100	200		11/17/15 03:43	108-20-3	
Ethylbenzene	**3180**	ug/L	200	100	200		11/17/15 03:43	100-41-4	
Hexachloro-1,3-butadiene	**<421**	ug/L	1000	421	200		11/17/15 03:43	87-68-3	
Isopropylbenzene (Cumene)	**64.3J**	ug/L	200	28.7	200		11/17/15 03:43	98-82-8	
p-Isopropyltoluene	**<100**	ug/L	200	100	200		11/17/15 03:43	99-87-6	
Methylene Chloride	**<46.5**	ug/L	200	46.5	200		11/17/15 03:43	75-09-2	
Methyl-tert-butyl ether	**<34.8**	ug/L	200	34.8	200		11/17/15 03:43	1634-04-4	
Naphthalene	**654J**	ug/L	1000	500	200		11/17/15 03:43	91-20-3	
n-Propylbenzene	**192J**	ug/L	200	100	200		11/17/15 03:43	103-65-1	
Styrene	**<100**	ug/L	200	100	200		11/17/15 03:43	100-42-5	
1,1,1,2-Tetrachloroethane	**<36.1**	ug/L	200	36.1	200		11/17/15 03:43	630-20-6	
1,1,2,2-Tetrachloroethane	**<49.9**	ug/L	200	49.9	200		11/17/15 03:43	79-34-5	
Tetrachloroethene	**<100**	ug/L	200	100	200		11/17/15 03:43	127-18-4	
Toluene	**35800**	ug/L	200	100	200		11/17/15 03:43	108-88-3	
1,2,3-Trichlorobenzene	**<427**	ug/L	1000	427	200		11/17/15 03:43	87-61-6	
1,2,4-Trichlorobenzene	**<442**	ug/L	1000	442	200		11/17/15 03:43	120-82-1	
1,1,1-Trichloroethane	**<100**	ug/L	200	100	200		11/17/15 03:43	71-55-6	
1,1,2-Trichloroethane	**<39.5**	ug/L	200	39.5	200		11/17/15 03:43	79-00-5	
Trichloroethene	**<66.1**	ug/L	200	66.1	200		11/17/15 03:43	79-01-6	
Trichlorofluoromethane	**<37.0**	ug/L	200	37.0	200		11/17/15 03:43	75-69-4	
1,2,3-Trichloropropane	**<100**	ug/L	200	100	200		11/17/15 03:43	96-18-4	
1,2,4-Trimethylbenzene	**1520**	ug/L	200	100	200		11/17/15 03:43	95-63-6	
1,3,5-Trimethylbenzene	**419**	ug/L	200	100	200		11/17/15 03:43	108-67-8	
Vinyl chloride	**<35.1**	ug/L	200	35.1	200		11/17/15 03:43	75-01-4	
m&p-Xylene	**13300**	ug/L	400	200	200		11/17/15 03:43	179601-23-1	
o-Xylene	**5930**	ug/L	200	100	200		11/17/15 03:43	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		200		11/17/15 03:43	460-00-4	
Dibromofluoromethane (S)	98	%	70-130		200		11/17/15 03:43	1868-53-7	
Toluene-d8 (S)	94	%	70-130		200		11/17/15 03:43	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**<10.0**	mg/L	20.0	10.0	5		11/30/15 21:35	14808-79-8	D3
353.2 Nitrogen, Dissolved Pres	Analytical Method: EPA 353.2								
Nitrogen, NO2 plus NO3, Dissolved	**<0.095**	mg/L	0.25	0.095	1		12/01/15 11:13		

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ANALYTICAL RESULTS

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

Sample: MW20 @ 20-25 **Lab ID: 40124714007** Collected: 11/11/15 13:30 Received: 11/13/15 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Cadmium, Dissolved	**0.86J**	ug/L	5.0	0.60	1		11/23/15 16:16	7440-43-9	B
Iron, Dissolved	**6130**	ug/L	100	12.9	1		11/23/15 16:16	7439-89-6	
Lead, Dissolved	**31.5**	ug/L	7.5	3.0	1		11/23/15 16:16	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**17600**	ug/L	125	62.5	125		11/16/15 23:49	71-43-2	
Bromobenzene	**<28.8**	ug/L	125	28.8	125		11/16/15 23:49	108-86-1	
Bromochloromethane	**<42.5**	ug/L	125	42.5	125		11/16/15 23:49	74-97-5	
Bromodichloromethane	**<62.5**	ug/L	125	62.5	125		11/16/15 23:49	75-27-4	
Bromoform	**<62.5**	ug/L	125	62.5	125		11/16/15 23:49	75-25-2	
Bromomethane	**<304**	ug/L	625	304	125		11/16/15 23:49	74-83-9	
n-Butylbenzene	**<62.5**	ug/L	125	62.5	125		11/16/15 23:49	104-51-8	
sec-Butylbenzene	**<273**	ug/L	625	273	125		11/16/15 23:49	135-98-8	
tert-Butylbenzene	**<22.5**	ug/L	125	22.5	125		11/16/15 23:49	98-06-6	
Carbon tetrachloride	**<62.5**	ug/L	125	62.5	125		11/16/15 23:49	56-23-5	
Chlorobenzene	**<62.5**	ug/L	125	62.5	125		11/16/15 23:49	108-90-7	
Chloroethane	**<46.8**	ug/L	125	46.8	125		11/16/15 23:49	75-00-3	
Chloroform	**<312**	ug/L	625	312	125		11/16/15 23:49	67-66-3	
Chloromethane	**<62.5**	ug/L	125	62.5	125		11/16/15 23:49	74-87-3	
2-Chlorotoluene	**<62.5**	ug/L	125	62.5	125		11/16/15 23:49	95-49-8	
4-Chlorotoluene	**<26.7**	ug/L	125	26.7	125		11/16/15 23:49	106-43-4	
1,2-Dibromo-3-chloropropane	**<271**	ug/L	625	271	125		11/16/15 23:49	96-12-8	
Dibromochloromethane	**<62.5**	ug/L	125	62.5	125		11/16/15 23:49	124-48-1	
1,2-Dibromoethane (EDB)	**64.0J**	ug/L	125	22.2	125		11/16/15 23:49	106-93-4	
Dibromomethane	**<53.3**	ug/L	125	53.3	125		11/16/15 23:49	74-95-3	
1,2-Dichlorobenzene	**<62.5**	ug/L	125	62.5	125		11/16/15 23:49	95-50-1	
1,3-Dichlorobenzene	**<62.5**	ug/L	125	62.5	125		11/16/15 23:49	541-73-1	
1,4-Dichlorobenzene	**<62.5**	ug/L	125	62.5	125		11/16/15 23:49	106-46-7	
Dichlorodifluoromethane	**<28.0**	ug/L	125	28.0	125		11/16/15 23:49	75-71-8	
1,1-Dichloroethane	**<30.2**	ug/L	125	30.2	125		11/16/15 23:49	75-34-3	
1,2-Dichloroethane	**<21.0**	ug/L	125	21.0	125		11/16/15 23:49	107-06-2	
1,1-Dichloroethene	**<51.3**	ug/L	125	51.3	125		11/16/15 23:49	75-35-4	
cis-1,2-Dichloroethene	**<32.0**	ug/L	125	32.0	125		11/16/15 23:49	156-59-2	
trans-1,2-Dichloroethene	**<32.1**	ug/L	125	32.1	125		11/16/15 23:49	156-60-5	
1,2-Dichloropropane	**<29.1**	ug/L	125	29.1	125		11/16/15 23:49	78-87-5	
1,3-Dichloropropane	**<62.5**	ug/L	125	62.5	125		11/16/15 23:49	142-28-9	
2,2-Dichloropropane	**<60.5**	ug/L	125	60.5	125		11/16/15 23:49	594-20-7	
1,1-Dichloropropene	**<55.1**	ug/L	125	55.1	125		11/16/15 23:49	563-58-6	
cis-1,3-Dichloropropene	**<62.5**	ug/L	125	62.5	125		11/16/15 23:49	10061-01-5	
trans-1,3-Dichloropropene	**<28.7**	ug/L	125	28.7	125		11/16/15 23:49	10061-02-6	
Diisopropyl ether	**<62.5**	ug/L	125	62.5	125		11/16/15 23:49	108-20-3	
Ethylbenzene	**2640**	ug/L	125	62.5	125		11/16/15 23:49	100-41-4	
Hexachloro-1,3-butadiene	**<263**	ug/L	625	263	125		11/16/15 23:49	87-68-3	
Isopropylbenzene (Cumene)	**54.4J**	ug/L	125	17.9	125		11/16/15 23:49	98-82-8	
p-Isopropyltoluene	**<62.5**	ug/L	125	62.5	125		11/16/15 23:49	99-87-6	
Methylene Chloride	**114J**	ug/L	125	29.1	125		11/16/15 23:49	75-09-2	

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ANALYTICAL RESULTS

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

Sample: MW20 @ 20-25 **Lab ID: 40124714007** Collected: 11/11/15 13:30 Received: 11/13/15 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Methyl-tert-butyl ether	**<21.8**	ug/L	125	21.8	125		11/16/15 23:49	1634-04-4	
Naphthalene	**381J**	ug/L	625	312	125		11/16/15 23:49	91-20-3	
n-Propylbenzene	**168**	ug/L	125	62.5	125		11/16/15 23:49	103-65-1	
Styrene	**<62.5**	ug/L	125	62.5	125		11/16/15 23:49	100-42-5	
1,1,1,2-Tetrachloroethane	**<22.6**	ug/L	125	22.6	125		11/16/15 23:49	630-20-6	
1,1,2,2-Tetrachloroethane	**<31.2**	ug/L	125	31.2	125		11/16/15 23:49	79-34-5	
Tetrachloroethene	**<62.5**	ug/L	125	62.5	125		11/16/15 23:49	127-18-4	
Toluene	**21600**	ug/L	125	62.5	125		11/16/15 23:49	108-88-3	
1,2,3-Trichlorobenzene	**<267**	ug/L	625	267	125		11/16/15 23:49	87-61-6	
1,2,4-Trichlorobenzene	**<276**	ug/L	625	276	125		11/16/15 23:49	120-82-1	
1,1,1-Trichloroethane	**<62.5**	ug/L	125	62.5	125		11/16/15 23:49	71-55-6	
1,1,2-Trichloroethane	**<24.7**	ug/L	125	24.7	125		11/16/15 23:49	79-00-5	
Trichloroethene	**<41.3**	ug/L	125	41.3	125		11/16/15 23:49	79-01-6	
Trichlorofluoromethane	**<23.1**	ug/L	125	23.1	125		11/16/15 23:49	75-69-4	
1,2,3-Trichloropropane	**<62.5**	ug/L	125	62.5	125		11/16/15 23:49	96-18-4	
1,2,4-Trimethylbenzene	**1410**	ug/L	125	62.5	125		11/16/15 23:49	95-63-6	
1,3,5-Trimethylbenzene	**383**	ug/L	125	62.5	125		11/16/15 23:49	108-67-8	
Vinyl chloride	**<21.9**	ug/L	125	21.9	125		11/16/15 23:49	75-01-4	
m&p-Xylene	**9410**	ug/L	250	125	125		11/16/15 23:49	179601-23-1	
o-Xylene	**4650**	ug/L	125	62.5	125		11/16/15 23:49	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		125		11/16/15 23:49	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		125		11/16/15 23:49	1868-53-7	
Toluene-d8 (S)	104	%	70-130		125		11/16/15 23:49	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**<10.0**	mg/L	20.0	10.0	5		11/30/15 21:46	14808-79-8	D3
353.2 Nitrogen, Dissolved Pres	Analytical Method: EPA 353.2								
Nitrogen, NO2 plus NO3, Dissolved	**<0.095**	mg/L	0.25	0.095	1		12/01/15 11:13		

Sample: MW21 **Lab ID: 40124714008** Collected: 11/11/15 10:45 Received: 11/13/15 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Cadmium, Dissolved	**0.69J**	ug/L	5.0	0.60	1		11/23/15 16:19	7440-43-9	B
Iron, Dissolved	**27900**	ug/L	100	12.9	1		11/23/15 16:19	7439-89-6	
Lead, Dissolved	**<3.0**	ug/L	7.5	3.0	1		11/23/15 16:19	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**632**	ug/L	25.0	12.5	25		11/17/15 00:11	71-43-2	
Bromobenzene	**<5.8**	ug/L	25.0	5.8	25		11/17/15 00:11	108-86-1	

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ANALYTICAL RESULTS

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

Sample: MW21 **Lab ID: 40124714008** Collected: 11/11/15 10:45 Received: 11/13/15 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromochloromethane	**<8.5**	ug/L	25.0	8.5	25		11/17/15 00:11	74-97-5	
Bromodichloromethane	**<12.5**	ug/L	25.0	12.5	25		11/17/15 00:11	75-27-4	
Bromoform	**<12.5**	ug/L	25.0	12.5	25		11/17/15 00:11	75-25-2	
Bromomethane	**<60.9**	ug/L	125	60.9	25		11/17/15 00:11	74-83-9	
n-Butylbenzene	**46.3**	ug/L	25.0	12.5	25		11/17/15 00:11	104-51-8	
sec-Butylbenzene	**<54.7**	ug/L	125	54.7	25		11/17/15 00:11	135-98-8	
tert-Butylbenzene	**<4.5**	ug/L	25.0	4.5	25		11/17/15 00:11	98-06-6	
Carbon tetrachloride	**<12.5**	ug/L	25.0	12.5	25		11/17/15 00:11	56-23-5	
Chlorobenzene	**<12.5**	ug/L	25.0	12.5	25		11/17/15 00:11	108-90-7	
Chloroethane	**<9.4**	ug/L	25.0	9.4	25		11/17/15 00:11	75-00-3	
Chloroform	**<62.5**	ug/L	125	62.5	25		11/17/15 00:11	67-66-3	
Chloromethane	**<12.5**	ug/L	25.0	12.5	25		11/17/15 00:11	74-87-3	
2-Chlorotoluene	**<12.5**	ug/L	25.0	12.5	25		11/17/15 00:11	95-49-8	
4-Chlorotoluene	**<5.3**	ug/L	25.0	5.3	25		11/17/15 00:11	106-43-4	
1,2-Dibromo-3-chloropropane	**<54.1**	ug/L	125	54.1	25		11/17/15 00:11	96-12-8	
Dibromochloromethane	**<12.5**	ug/L	25.0	12.5	25		11/17/15 00:11	124-48-1	
1,2-Dibromoethane (EDB)	**<4.4**	ug/L	25.0	4.4	25		11/17/15 00:11	106-93-4	
Dibromomethane	**<10.7**	ug/L	25.0	10.7	25		11/17/15 00:11	74-95-3	
1,2-Dichlorobenzene	**<12.5**	ug/L	25.0	12.5	25		11/17/15 00:11	95-50-1	
1,3-Dichlorobenzene	**<12.5**	ug/L	25.0	12.5	25		11/17/15 00:11	541-73-1	
1,4-Dichlorobenzene	**<12.5**	ug/L	25.0	12.5	25		11/17/15 00:11	106-46-7	
Dichlorodifluoromethane	**<5.6**	ug/L	25.0	5.6	25		11/17/15 00:11	75-71-8	
1,1-Dichloroethane	**<6.0**	ug/L	25.0	6.0	25		11/17/15 00:11	75-34-3	
1,2-Dichloroethane	**<4.2**	ug/L	25.0	4.2	25		11/17/15 00:11	107-06-2	
1,1-Dichloroethene	**<10.3**	ug/L	25.0	10.3	25		11/17/15 00:11	75-35-4	
cis-1,2-Dichloroethene	**<6.4**	ug/L	25.0	6.4	25		11/17/15 00:11	156-59-2	
trans-1,2-Dichloroethene	**<6.4**	ug/L	25.0	6.4	25		11/17/15 00:11	156-60-5	
1,2-Dichloropropane	**<5.8**	ug/L	25.0	5.8	25		11/17/15 00:11	78-87-5	
1,3-Dichloropropane	**<12.5**	ug/L	25.0	12.5	25		11/17/15 00:11	142-28-9	
2,2-Dichloropropane	**<12.1**	ug/L	25.0	12.1	25		11/17/15 00:11	594-20-7	
1,1-Dichloropropene	**<11.0**	ug/L	25.0	11.0	25		11/17/15 00:11	563-58-6	
cis-1,3-Dichloropropene	**<12.5**	ug/L	25.0	12.5	25		11/17/15 00:11	10061-01-5	
trans-1,3-Dichloropropene	**<5.7**	ug/L	25.0	5.7	25		11/17/15 00:11	10061-02-6	
Diisopropyl ether	**<12.5**	ug/L	25.0	12.5	25		11/17/15 00:11	108-20-3	
Ethylbenzene	**2600**	ug/L	25.0	12.5	25		11/17/15 00:11	100-41-4	
Hexachloro-1,3-butadiene	**<52.6**	ug/L	125	52.6	25		11/17/15 00:11	87-68-3	
Isopropylbenzene (Cumene)	**66.1**	ug/L	25.0	3.6	25		11/17/15 00:11	98-82-8	
p-Isopropyltoluene	**<12.5**	ug/L	25.0	12.5	25		11/17/15 00:11	99-87-6	
Methylene Chloride	**<5.8**	ug/L	25.0	5.8	25		11/17/15 00:11	75-09-2	
Methyl-tert-butyl ether	**<4.4**	ug/L	25.0	4.4	25		11/17/15 00:11	1634-04-4	
Naphthalene	**640**	ug/L	125	62.5	25		11/17/15 00:11	91-20-3	
n-Propylbenzene	**228**	ug/L	25.0	12.5	25		11/17/15 00:11	103-65-1	
Styrene	**<12.5**	ug/L	25.0	12.5	25		11/17/15 00:11	100-42-5	
1,1,1,2-Tetrachloroethane	**<4.5**	ug/L	25.0	4.5	25		11/17/15 00:11	630-20-6	
1,1,2,2-Tetrachloroethane	**<6.2**	ug/L	25.0	6.2	25		11/17/15 00:11	79-34-5	
Tetrachloroethene	**<12.5**	ug/L	25.0	12.5	25		11/17/15 00:11	127-18-4	

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ANALYTICAL RESULTS

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

Sample: MW21 **Lab ID: 40124714008** Collected: 11/11/15 10:45 Received: 11/13/15 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Toluene	**2510**	ug/L	25.0	12.5	25		11/17/15 00:11	108-88-3	
1,2,3-Trichlorobenzene	**<53.3**	ug/L	125	53.3	25		11/17/15 00:11	87-61-6	
1,2,4-Trichlorobenzene	**<55.2**	ug/L	125	55.2	25		11/17/15 00:11	120-82-1	
1,1,1-Trichloroethane	**<12.5**	ug/L	25.0	12.5	25		11/17/15 00:11	71-55-6	
1,1,2-Trichloroethane	**<4.9**	ug/L	25.0	4.9	25		11/17/15 00:11	79-00-5	
Trichloroethene	**<8.3**	ug/L	25.0	8.3	25		11/17/15 00:11	79-01-6	
Trichlorofluoromethane	**<4.6**	ug/L	25.0	4.6	25		11/17/15 00:11	75-69-4	
1,2,3-Trichloropropane	**<12.5**	ug/L	25.0	12.5	25		11/17/15 00:11	96-18-4	
1,2,4-Trimethylbenzene	**1910**	ug/L	25.0	12.5	25		11/17/15 00:11	95-63-6	
1,3,5-Trimethylbenzene	**525**	ug/L	25.0	12.5	25		11/17/15 00:11	108-67-8	
Vinyl chloride	**<4.4**	ug/L	25.0	4.4	25		11/17/15 00:11	75-01-4	
m&p-Xylene	**6730**	ug/L	50.0	25.0	25		11/17/15 00:11	179601-23-1	
o-Xylene	**1840**	ug/L	25.0	12.5	25		11/17/15 00:11	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		25		11/17/15 00:11	460-00-4	
Dibromofluoromethane (S)	110	%	70-130		25		11/17/15 00:11	1868-53-7	
Toluene-d8 (S)	104	%	70-130		25		11/17/15 00:11	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**<10.0**	mg/L	20.0	10.0	5		11/30/15 21:58	14808-79-8	D3
353.2 Nitrogen, Dissolved Pres	Analytical Method: EPA 353.2								
Nitrogen, NO2 plus NO3, Dissolved	**<0.095**	mg/L	0.25	0.095	1		12/01/15 11:17		

Sample: MW21 @ 35-40 **Lab ID: 40124714009** Collected: 11/11/15 10:20 Received: 11/13/15 08:50 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		11/23/15 16:21	7440-43-9	
Iron, Dissolved	**44600**	ug/L	100	12.9	1		11/23/15 16:21	7439-89-6	
Lead, Dissolved	**<3.0**	ug/L	7.5	3.0	1		11/23/15 16:21	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**1110**	ug/L	10.0	5.0	10		11/17/15 00:33	71-43-2	
Bromobenzene	**<2.3**	ug/L	10.0	2.3	10		11/17/15 00:33	108-86-1	
Bromochloromethane	**<3.4**	ug/L	10.0	3.4	10		11/17/15 00:33	74-97-5	
Bromodichloromethane	**<5.0**	ug/L	10.0	5.0	10		11/17/15 00:33	75-27-4	
Bromoform	**<5.0**	ug/L	10.0	5.0	10		11/17/15 00:33	75-25-2	
Bromomethane	**<24.3**	ug/L	50.0	24.3	10		11/17/15 00:33	74-83-9	
n-Butylbenzene	**14.6**	ug/L	10.0	5.0	10		11/17/15 00:33	104-51-8	
sec-Butylbenzene	**<21.9**	ug/L	50.0	21.9	10		11/17/15 00:33	135-98-8	
tert-Butylbenzene	**<1.8**	ug/L	10.0	1.8	10		11/17/15 00:33	98-06-6	

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ANALYTICAL RESULTS

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

Sample: MW21 @ 35-40 **Lab ID: 40124714009** Collected: 11/11/15 10:20 Received: 11/13/15 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Carbon tetrachloride	**<5.0**	ug/L	10.0	5.0	10		11/17/15 00:33	56-23-5	
Chlorobenzene	**<5.0**	ug/L	10.0	5.0	10		11/17/15 00:33	108-90-7	
Chloroethane	**<3.7**	ug/L	10.0	3.7	10		11/17/15 00:33	75-00-3	
Chloroform	**<25.0**	ug/L	50.0	25.0	10		11/17/15 00:33	67-66-3	
Chloromethane	**<5.0**	ug/L	10.0	5.0	10		11/17/15 00:33	74-87-3	
2-Chlorotoluene	**<5.0**	ug/L	10.0	5.0	10		11/17/15 00:33	95-49-8	
4-Chlorotoluene	**<2.1**	ug/L	10.0	2.1	10		11/17/15 00:33	106-43-4	
1,2-Dibromo-3-chloropropane	**<21.6**	ug/L	50.0	21.6	10		11/17/15 00:33	96-12-8	
Dibromochloromethane	**<5.0**	ug/L	10.0	5.0	10		11/17/15 00:33	124-48-1	
1,2-Dibromoethane (EDB)	**<1.8**	ug/L	10.0	1.8	10		11/17/15 00:33	106-93-4	
Dibromomethane	**<4.3**	ug/L	10.0	4.3	10		11/17/15 00:33	74-95-3	
1,2-Dichlorobenzene	**<5.0**	ug/L	10.0	5.0	10		11/17/15 00:33	95-50-1	
1,3-Dichlorobenzene	**<5.0**	ug/L	10.0	5.0	10		11/17/15 00:33	541-73-1	
1,4-Dichlorobenzene	**<5.0**	ug/L	10.0	5.0	10		11/17/15 00:33	106-46-7	
Dichlorodifluoromethane	**<2.2**	ug/L	10.0	2.2	10		11/17/15 00:33	75-71-8	
1,1-Dichloroethane	**<2.4**	ug/L	10.0	2.4	10		11/17/15 00:33	75-34-3	
1,2-Dichloroethane	**<1.7**	ug/L	10.0	1.7	10		11/17/15 00:33	107-06-2	
1,1-Dichloroethene	**<4.1**	ug/L	10.0	4.1	10		11/17/15 00:33	75-35-4	
cis-1,2-Dichloroethene	**<2.6**	ug/L	10.0	2.6	10		11/17/15 00:33	156-59-2	
trans-1,2-Dichloroethene	**<2.6**	ug/L	10.0	2.6	10		11/17/15 00:33	156-60-5	
1,2-Dichloropropane	**<2.3**	ug/L	10.0	2.3	10		11/17/15 00:33	78-87-5	
1,3-Dichloropropane	**<5.0**	ug/L	10.0	5.0	10		11/17/15 00:33	142-28-9	
2,2-Dichloropropane	**<4.8**	ug/L	10.0	4.8	10		11/17/15 00:33	594-20-7	
1,1-Dichloropropene	**<4.4**	ug/L	10.0	4.4	10		11/17/15 00:33	563-58-6	
cis-1,3-Dichloropropene	**<5.0**	ug/L	10.0	5.0	10		11/17/15 00:33	10061-01-5	
trans-1,3-Dichloropropene	**<2.3**	ug/L	10.0	2.3	10		11/17/15 00:33	10061-02-6	
Diisopropyl ether	**<5.0**	ug/L	10.0	5.0	10		11/17/15 00:33	108-20-3	
Ethylbenzene	**274**	ug/L	10.0	5.0	10		11/17/15 00:33	100-41-4	
Hexachloro-1,3-butadiene	**<21.1**	ug/L	50.0	21.1	10		11/17/15 00:33	87-68-3	
Isopropylbenzene (Cumene)	**9.0J**	ug/L	10.0	1.4	10		11/17/15 00:33	98-82-8	
p-Isopropyltoluene	**<5.0**	ug/L	10.0	5.0	10		11/17/15 00:33	99-87-6	
Methylene Chloride	**<2.3**	ug/L	10.0	2.3	10		11/17/15 00:33	75-09-2	
Methyl-tert-butyl ether	**<1.7**	ug/L	10.0	1.7	10		11/17/15 00:33	1634-04-4	
Naphthalene	**63.1**	ug/L	50.0	25.0	10		11/17/15 00:33	91-20-3	
n-Propylbenzene	**31.4**	ug/L	10.0	5.0	10		11/17/15 00:33	103-65-1	
Styrene	**<5.0**	ug/L	10.0	5.0	10		11/17/15 00:33	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.8**	ug/L	10.0	1.8	10		11/17/15 00:33	630-20-6	
1,1,2,2-Tetrachloroethane	**<2.5**	ug/L	10.0	2.5	10		11/17/15 00:33	79-34-5	
Tetrachloroethene	**<5.0**	ug/L	10.0	5.0	10		11/17/15 00:33	127-18-4	
Toluene	**686**	ug/L	10.0	5.0	10		11/17/15 00:33	108-88-3	
1,2,3-Trichlorobenzene	**<21.3**	ug/L	50.0	21.3	10		11/17/15 00:33	87-61-6	
1,2,4-Trichlorobenzene	**<22.1**	ug/L	50.0	22.1	10		11/17/15 00:33	120-82-1	
1,1,1-Trichloroethane	**<5.0**	ug/L	10.0	5.0	10		11/17/15 00:33	71-55-6	
1,1,2-Trichloroethane	**<2.0**	ug/L	10.0	2.0	10		11/17/15 00:33	79-00-5	
Trichloroethene	**<3.3**	ug/L	10.0	3.3	10		11/17/15 00:33	79-01-6	
Trichlorofluoromethane	**<1.8**	ug/L	10.0	1.8	10		11/17/15 00:33	75-69-4	

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ANALYTICAL RESULTS

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

Sample: MW21 @ 35-40 **Lab ID: 40124714009** Collected: 11/11/15 10:20 Received: 11/13/15 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,2,3-Trichloropropane	**<5.0**	ug/L	10.0	5.0	10		11/17/15 00:33	96-18-4	
1,2,4-Trimethylbenzene	**269**	ug/L	10.0	5.0	10		11/17/15 00:33	95-63-6	
1,3,5-Trimethylbenzene	**70.5**	ug/L	10.0	5.0	10		11/17/15 00:33	108-67-8	
Vinyl chloride	**<1.8**	ug/L	10.0	1.8	10		11/17/15 00:33	75-01-4	
m&p-Xylene	**1000**	ug/L	20.0	10.0	10		11/17/15 00:33	179601-23-1	
o-Xylene	**406**	ug/L	10.0	5.0	10		11/17/15 00:33	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		10		11/17/15 00:33	460-00-4	
Dibromofluoromethane (S)	106	%	70-130		10		11/17/15 00:33	1868-53-7	
Toluene-d8 (S)	107	%	70-130		10		11/17/15 00:33	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**<2.0**	mg/L	4.0	2.0	1		11/30/15 22:32	14808-79-8	
353.2 Nitrogen, Dissolved Pres	Analytical Method: EPA 353.2								
Nitrogen, NO2 plus NO3, Dissolved	**<0.095**	mg/L	0.25	0.095	1		12/01/15 11:18		

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QUALITY CONTROL DATA

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

QC Batch: ICP/11483 Analysis Method: EPA 6010
QC Batch Method: EPA 6010 Analysis Description: ICP Metals, Trace, Dissolved
Associated Lab Samples: 40124714001, 40124714002, 40124714003, 40124714004, 40124714005, 40124714006, 40124714007, 40124714008, 40124714009

METHOD BLANK: 1260809 Matrix: Water
Associated Lab Samples: 40124714001, 40124714002, 40124714003, 40124714004, 40124714005, 40124714006, 40124714007, 40124714008, 40124714009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cadmium, Dissolved	ug/L	2.1J	5.0	11/23/15 15:47	
Iron, Dissolved	ug/L	<12.9	100	11/23/15 15:47	
Lead, Dissolved	ug/L	<3.0	7.5	11/23/15 15:47	

LABORATORY CONTROL SAMPLE: 1260810

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cadmium, Dissolved	ug/L	500	490	98	80-120	
Iron, Dissolved	ug/L	5000	4720	94	80-120	
Lead, Dissolved	ug/L	500	487	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1260811 1260812

Parameter	Units	40124714001 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	1.2J	500	500	484	477	96	95	75-125	1	20	
Iron, Dissolved	ug/L	204	5000	5000	4910	4870	94	93	75-125	1	20	
Lead, Dissolved	ug/L	<3.0	500	500	492	476	98	95	75-125	3	20	

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EPA-R5-2017-010506_0002029

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QUALITY CONTROL DATA

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

QC Batch: MSV/31268 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40124714001, 40124714002, 40124714003, 40124714004, 40124714005, 40124714006

METHOD BLANK: 1259032 Matrix: Water
Associated Lab Samples: 40124714001, 40124714002, 40124714003, 40124714004, 40124714005, 40124714006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	11/16/15 18:44	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	11/16/15 18:44	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	11/16/15 18:44	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	11/16/15 18:44	
1,1-Dichloroethane	ug/L	<0.24	1.0	11/16/15 18:44	
1,1-Dichloroethene	ug/L	<0.41	1.0	11/16/15 18:44	
1,1-Dichloropropene	ug/L	<0.44	1.0	11/16/15 18:44	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	11/16/15 18:44	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	11/16/15 18:44	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	11/16/15 18:44	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	11/16/15 18:44	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	11/16/15 18:44	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	11/16/15 18:44	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	11/16/15 18:44	
1,2-Dichloroethane	ug/L	<0.17	1.0	11/16/15 18:44	
1,2-Dichloropropane	ug/L	<0.23	1.0	11/16/15 18:44	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	11/16/15 18:44	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	11/16/15 18:44	
1,3-Dichloropropane	ug/L	<0.50	1.0	11/16/15 18:44	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	11/16/15 18:44	
2,2-Dichloropropane	ug/L	<0.48	1.0	11/16/15 18:44	
2-Chlorotoluene	ug/L	<0.50	1.0	11/16/15 18:44	
4-Chlorotoluene	ug/L	<0.21	1.0	11/16/15 18:44	
Benzene	ug/L	<0.50	1.0	11/16/15 18:44	
Bromobenzene	ug/L	<0.23	1.0	11/16/15 18:44	
Bromochloromethane	ug/L	<0.34	1.0	11/16/15 18:44	
Bromodichloromethane	ug/L	<0.50	1.0	11/16/15 18:44	
Bromoform	ug/L	<0.50	1.0	11/16/15 18:44	
Bromomethane	ug/L	<2.4	5.0	11/16/15 18:44	
Carbon tetrachloride	ug/L	<0.50	1.0	11/16/15 18:44	
Chlorobenzene	ug/L	<0.50	1.0	11/16/15 18:44	
Chloroethane	ug/L	<0.37	1.0	11/16/15 18:44	
Chloroform	ug/L	<2.5	5.0	11/16/15 18:44	
Chloromethane	ug/L	<0.50	1.0	11/16/15 18:44	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	11/16/15 18:44	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	11/16/15 18:44	
Dibromochloromethane	ug/L	<0.50	1.0	11/16/15 18:44	
Dibromomethane	ug/L	<0.43	1.0	11/16/15 18:44	
Dichlorodifluoromethane	ug/L	<0.22	1.0	11/16/15 18:44	
Diisopropyl ether	ug/L	<0.50	1.0	11/16/15 18:44	
Ethylbenzene	ug/L	<0.50	1.0	11/16/15 18:44	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

METHOD BLANK: 1259032 Matrix: Water
Associated Lab Samples: 40124714001, 40124714002, 40124714003, 40124714004, 40124714005, 40124714006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	11/16/15 18:44	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	11/16/15 18:44	
m&p-Xylene	ug/L	<1.0	2.0	11/16/15 18:44	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	11/16/15 18:44	
Methylene Chloride	ug/L	<0.23	1.0	11/16/15 18:44	
n-Butylbenzene	ug/L	<0.50	1.0	11/16/15 18:44	
n-Propylbenzene	ug/L	<0.50	1.0	11/16/15 18:44	
Naphthalene	ug/L	<2.5	5.0	11/16/15 18:44	
o-Xylene	ug/L	<0.50	1.0	11/16/15 18:44	
p-Isopropyltoluene	ug/L	<0.50	1.0	11/16/15 18:44	
sec-Butylbenzene	ug/L	<2.2	5.0	11/16/15 18:44	
Styrene	ug/L	<0.50	1.0	11/16/15 18:44	
tert-Butylbenzene	ug/L	<0.18	1.0	11/16/15 18:44	
Tetrachloroethene	ug/L	<0.50	1.0	11/16/15 18:44	
Toluene	ug/L	<0.50	1.0	11/16/15 18:44	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	11/16/15 18:44	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	11/16/15 18:44	
Trichloroethene	ug/L	<0.33	1.0	11/16/15 18:44	
Trichlorofluoromethane	ug/L	<0.18	1.0	11/16/15 18:44	
Vinyl chloride	ug/L	<0.18	1.0	11/16/15 18:44	
4-Bromofluorobenzene (S)	%	93	70-130	11/16/15 18:44	
Dibromofluoromethane (S)	%	103	70-130	11/16/15 18:44	
Toluene-d8 (S)	%	93	70-130	11/16/15 18:44	

LABORATORY CONTROL SAMPLE: 1259033

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	51.1	102	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	48.1	96	70-130	
1,1,2-Trichloroethane	ug/L	50	49.7	99	70-130	
1,1-Dichloroethane	ug/L	50	47.5	95	70-130	
1,1-Dichloroethene	ug/L	50	47.4	95	70-130	
1,2,4-Trichlorobenzene	ug/L	50	51.5	103	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	43.7	87	50-150	
1,2-Dibromoethane (EDB)	ug/L	50	49.4	99	70-130	
1,2-Dichlorobenzene	ug/L	50	50.8	102	70-130	
1,2-Dichloroethane	ug/L	50	49.8	100	70-131	
1,2-Dichloropropane	ug/L	50	55.0	110	70-130	
1,3-Dichlorobenzene	ug/L	50	51.4	103	70-130	
1,4-Dichlorobenzene	ug/L	50	49.8	100	70-130	
Benzene	ug/L	50	47.6	95	70-130	
Bromodichloromethane	ug/L	50	53.7	107	70-130	
Bromoform	ug/L	50	47.5	95	68-130	
Bromomethane	ug/L	50	38.6	77	38-137	

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QUALITY CONTROL DATA

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

LABORATORY CONTROL SAMPLE: 1259033

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	52.7	105	70-130	
Chlorobenzene	ug/L	50	53.9	108	70-130	
Chloroethane	ug/L	50	37.3	75	70-136	
Chloroform	ug/L	50	52.4	105	70-130	
Chloromethane	ug/L	50	38.4	77	48-144	
cis-1,2-Dichloroethene	ug/L	50	45.6	91	70-130	
cis-1,3-Dichloropropene	ug/L	50	46.3	93	70-130	
Dibromochloromethane	ug/L	50	47.2	94	70-130	
Dichlorodifluoromethane	ug/L	50	33.8	68	33-157	
Ethylbenzene	ug/L	50	59.1	118	70-132	
Isopropylbenzene (Cumene)	ug/L	50	63.2	126	70-130	
m&p-Xylene	ug/L	100	119	119	70-131	
Methyl-tert-butyl ether	ug/L	50	41.9	84	48-141	
Methylene Chloride	ug/L	50	51.5	103	70-130	
o-Xylene	ug/L	50	58.3	117	70-131	
Styrene	ug/L	50	59.6	119	70-130	
Tetrachloroethene	ug/L	50	58.7	117	70-130	
Toluene	ug/L	50	53.2	106	70-130	
trans-1,2-Dichloroethene	ug/L	50	47.8	96	70-130	
trans-1,3-Dichloropropene	ug/L	50	43.1	86	70-130	
Trichloroethene	ug/L	50	58.0	116	70-130	
Trichlorofluoromethane	ug/L	50	51.3	103	50-150	
Vinyl chloride	ug/L	50	40.6	81	65-142	
4-Bromofluorobenzene (S)	%			105	70-130	
Dibromofluoromethane (S)	%			96	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1260188 1260189

Parameter	Units	40124656001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.50	50	50	49.2	50.2	98	100	70-130	2	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	50.2	48.7	100	97	70-130	3	20	
1,1,2-Trichloroethane	ug/L	<0.20	50	50	50.3	50.0	101	100	70-130	1	20	
1,1-Dichloroethane	ug/L	<0.24	50	50	45.8	46.8	92	94	70-134	2	20	
1,1-Dichloroethene	ug/L	<0.41	50	50	45.8	46.5	92	93	70-139	2	20	
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	53.0	51.3	106	102	70-130	3	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	46.4	44.3	93	89	50-150	5	20	
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	50.0	49.5	100	99	70-130	1	20	
1,2-Dichlorobenzene	ug/L	<0.50	50	50	51.3	50.5	103	101	70-130	2	20	
1,2-Dichloroethane	ug/L	<0.17	50	50	49.3	49.7	99	99	70-132	1	20	
1,2-Dichloropropane	ug/L	<0.23	50	50	55.7	54.3	111	109	70-130	3	20	
1,3-Dichlorobenzene	ug/L	<0.50	50	50	51.4	51.1	103	102	70-130	1	20	
1,4-Dichlorobenzene	ug/L	<0.50	50	50	49.9	49.8	100	100	70-130	0	20	

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QUALITY CONTROL DATA

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1260188 1260189

Parameter	Units	40124656001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	<0.50	50	50	47.2	47.4	94	95	70-130	0	20	
Bromodichloromethane	ug/L	<0.50	50	50	53.2	51.5	106	103	70-132	3	20	
Bromoform	ug/L	<0.50	50	50	46.8	45.6	94	91	68-130	3	20	
Bromomethane	ug/L	<2.4	50	50	43.5	46.5	87	93	38-141	7	20	
Carbon tetrachloride	ug/L	<0.50	50	50	51.9	52.6	104	105	70-130	1	20	
Chlorobenzene	ug/L	<0.50	50	50	54.6	54.2	109	108	70-130	1	20	
Chloroethane	ug/L	<0.37	50	50	37.4	36.7	75	73	66-152	2	20	
Chloroform	ug/L	<2.5	50	50	50.4	50.7	101	101	70-130	1	20	
Chloromethane	ug/L	<0.50	50	50	41.6	40.5	83	81	44-151	3	20	
cis-1,2-Dichloroethene	ug/L	<0.26	50	50	44.9	45.5	90	91	70-130	1	20	
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	47.6	44.0	95	88	70-130	8	20	
Dibromochloromethane	ug/L	<0.50	50	50	46.7	47.1	93	94	70-130	1	20	
Dichlorodifluoromethane	ug/L	<0.22	50	50	32.9	33.7	66	67	29-160	2	20	
Ethylbenzene	ug/L	<0.50	50	50	59.2	57.5	118	115	70-132	3	20	
Isopropylbenzene (Cumene)	ug/L	<0.14	50	50	63.0	62.3	126	125	70-130	1	20	
m&p-Xylene	ug/L	<1.0	100	100	118	114	118	114	70-131	4	20	
Methyl-tert-butyl ether	ug/L	<0.17	50	50	42.8	44.0	86	88	48-143	3	20	
Methylene Chloride	ug/L	<0.23	50	50	49.2	51.4	98	103	70-130	4	20	
o-Xylene	ug/L	<0.50	50	50	57.7	55.7	115	111	70-131	3	20	
Styrene	ug/L	<0.50	50	50	53.3	42.4	107	85	70-130	23	20	R1
Tetrachloroethene	ug/L	1.4	50	50	59.6	59.8	116	117	70-130	0	20	
Toluene	ug/L	<0.50	50	50	53.1	52.4	106	105	70-130	1	20	
trans-1,2-Dichloroethene	ug/L	<0.26	50	50	47.3	48.2	95	96	70-132	2	20	
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	43.6	41.6	87	83	70-130	5	20	
Trichloroethene	ug/L	1.8	50	50	60.4	60.6	117	118	70-130	0	20	
Trichlorofluoromethane	ug/L	<0.18	50	50	49.7	50.9	99	102	50-153	2	20	
Vinyl chloride	ug/L	<0.18	50	50	42.6	42.0	85	84	60-155	1	20	
4-Bromofluorobenzene (S)	%						104	106	70-130			
Dibromofluoromethane (S)	%						93	92	70-130			
Toluene-d8 (S)	%						99	98	70-130			

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QUALITY CONTROL DATA

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

QC Batch: MSV/31269 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40124714007, 40124714008, 40124714009

METHOD BLANK: 1259034 Matrix: Water
Associated Lab Samples: 40124714007, 40124714008, 40124714009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	11/16/15 14:01	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	11/16/15 14:01	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	11/16/15 14:01	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	11/16/15 14:01	
1,1-Dichloroethane	ug/L	<0.24	1.0	11/16/15 14:01	
1,1-Dichloroethene	ug/L	<0.41	1.0	11/16/15 14:01	
1,1-Dichloropropene	ug/L	<0.44	1.0	11/16/15 14:01	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	11/16/15 14:01	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	11/16/15 14:01	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	11/16/15 14:01	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	11/16/15 14:01	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	11/16/15 14:01	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	11/16/15 14:01	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	11/16/15 14:01	
1,2-Dichloroethane	ug/L	<0.17	1.0	11/16/15 14:01	
1,2-Dichloropropane	ug/L	<0.23	1.0	11/16/15 14:01	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	11/16/15 14:01	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	11/16/15 14:01	
1,3-Dichloropropane	ug/L	<0.50	1.0	11/16/15 14:01	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	11/16/15 14:01	
2,2-Dichloropropane	ug/L	<0.48	1.0	11/16/15 14:01	
2-Chlorotoluene	ug/L	<0.50	1.0	11/16/15 14:01	
4-Chlorotoluene	ug/L	<0.21	1.0	11/16/15 14:01	
Benzene	ug/L	<0.50	1.0	11/16/15 14:01	
Bromobenzene	ug/L	<0.23	1.0	11/16/15 14:01	
Bromochloromethane	ug/L	<0.34	1.0	11/16/15 14:01	
Bromodichloromethane	ug/L	<0.50	1.0	11/16/15 14:01	
Bromoform	ug/L	<0.50	1.0	11/16/15 14:01	
Bromomethane	ug/L	<2.4	5.0	11/16/15 14:01	
Carbon tetrachloride	ug/L	<0.50	1.0	11/16/15 14:01	
Chlorobenzene	ug/L	<0.50	1.0	11/16/15 14:01	
Chloroethane	ug/L	<0.37	1.0	11/16/15 14:01	
Chloroform	ug/L	<2.5	5.0	11/16/15 14:01	
Chloromethane	ug/L	<0.50	1.0	11/16/15 14:01	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	11/16/15 14:01	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	11/16/15 14:01	
Dibromochloromethane	ug/L	<0.50	1.0	11/16/15 14:01	
Dibromomethane	ug/L	<0.43	1.0	11/16/15 14:01	
Dichlorodifluoromethane	ug/L	<0.22	1.0	11/16/15 14:01	
Diisopropyl ether	ug/L	<0.50	1.0	11/16/15 14:01	
Ethylbenzene	ug/L	<0.50	1.0	11/16/15 14:01	

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QUALITY CONTROL DATA

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

METHOD BLANK: 1259034 Matrix: Water
Associated Lab Samples: 40124714007, 40124714008, 40124714009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	11/16/15 14:01	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	11/16/15 14:01	
m&p-Xylene	ug/L	<1.0	2.0	11/16/15 14:01	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	11/16/15 14:01	
Methylene Chloride	ug/L	<0.23	1.0	11/16/15 14:01	
n-Butylbenzene	ug/L	<0.50	1.0	11/16/15 14:01	
n-Propylbenzene	ug/L	<0.50	1.0	11/16/15 14:01	
Naphthalene	ug/L	<2.5	5.0	11/16/15 14:01	
o-Xylene	ug/L	<0.50	1.0	11/16/15 14:01	
p-Isopropyltoluene	ug/L	<0.50	1.0	11/16/15 14:01	
sec-Butylbenzene	ug/L	<2.2	5.0	11/16/15 14:01	
Styrene	ug/L	<0.50	1.0	11/16/15 14:01	
tert-Butylbenzene	ug/L	<0.18	1.0	11/16/15 14:01	
Tetrachloroethene	ug/L	<0.50	1.0	11/16/15 14:01	
Toluene	ug/L	<0.50	1.0	11/16/15 14:01	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	11/16/15 14:01	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	11/16/15 14:01	
Trichloroethene	ug/L	<0.33	1.0	11/16/15 14:01	
Trichlorofluoromethane	ug/L	<0.18	1.0	11/16/15 14:01	
Vinyl chloride	ug/L	<0.18	1.0	11/16/15 14:01	
4-Bromofluorobenzene (S)	%	91	70-130	11/16/15 14:01	
Dibromofluoromethane (S)	%	104	70-130	11/16/15 14:01	
Toluene-d8 (S)	%	109	70-130	11/16/15 14:01	

LABORATORY CONTROL SAMPLE: 1259035

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	52.0	104	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	50.3	101	70-130	
1,1,2-Trichloroethane	ug/L	50	49.7	99	70-130	
1,1-Dichloroethane	ug/L	50	48.2	96	70-130	
1,1-Dichloroethene	ug/L	50	51.6	103	70-130	
1,2,4-Trichlorobenzene	ug/L	50	46.1	92	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	43.4	87	50-150	
1,2-Dibromoethane (EDB)	ug/L	50	49.4	99	70-130	
1,2-Dichlorobenzene	ug/L	50	49.8	100	70-130	
1,2-Dichloroethane	ug/L	50	48.5	97	70-131	
1,2-Dichloropropane	ug/L	50	47.2	94	70-130	
1,3-Dichlorobenzene	ug/L	50	48.3	97	70-130	
1,4-Dichlorobenzene	ug/L	50	50.0	100	70-130	
Benzene	ug/L	50	50.8	102	70-130	
Bromodichloromethane	ug/L	50	46.5	93	70-130	
Bromoform	ug/L	50	46.1	92	68-130	
Bromomethane	ug/L	50	33.3	67	38-137	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

LABORATORY CONTROL SAMPLE: 1259035

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	53.2	106	70-130	
Chlorobenzene	ug/L	50	49.0	98	70-130	
Chloroethane	ug/L	50	41.1	82	70-136	
Chloroform	ug/L	50	51.0	102	70-130	
Chloromethane	ug/L	50	38.1	76	48-144	
cis-1,2-Dichloroethene	ug/L	50	49.6	99	70-130	
cis-1,3-Dichloropropene	ug/L	50	42.6	85	70-130	
Dibromochloromethane	ug/L	50	49.3	99	70-130	
Dichlorodifluoromethane	ug/L	50	37.6	75	33-157	
Ethylbenzene	ug/L	50	50.2	100	70-132	
Isopropylbenzene (Cumene)	ug/L	50	52.1	104	70-130	
m&p-Xylene	ug/L	100	104	104	70-131	
Methyl-tert-butyl ether	ug/L	50	47.0	94	48-141	
Methylene Chloride	ug/L	50	49.6	99	70-130	
o-Xylene	ug/L	50	49.4	99	70-131	
Styrene	ug/L	50	52.7	105	70-130	
Tetrachloroethene	ug/L	50	47.6	95	70-130	
Toluene	ug/L	50	51.1	102	70-130	
trans-1,2-Dichloroethene	ug/L	50	50.3	101	70-130	
trans-1,3-Dichloropropene	ug/L	50	43.6	87	70-130	
Trichloroethene	ug/L	50	48.5	97	70-130	
Trichlorofluoromethane	ug/L	50	52.1	104	50-150	
Vinyl chloride	ug/L	50	47.9	96	65-142	
4-Bromofluorobenzene (S)	%			98	70-130	
Dibromofluoromethane (S)	%			108	70-130	
Toluene-d8 (S)	%			104	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1259036 1259037

Parameter	Units	40124724001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.50	50	50	51.3	52.0	103	104	70-130	1	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	48.5	50.1	97	100	70-130	3	20	
1,1,2-Trichloroethane	ug/L	<0.20	50	50	48.8	49.0	98	98	70-130	0	20	
1,1-Dichloroethane	ug/L	<0.24	50	50	48.1	49.3	96	99	70-134	3	20	
1,1-Dichloroethene	ug/L	<0.41	50	50	50.8	53.5	102	107	70-139	5	20	
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	55.4	56.6	111	113	70-130	2	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	45.7	45.9	91	92	50-150	1	20	
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	47.8	50.0	96	100	70-130	4	20	
1,2-Dichlorobenzene	ug/L	<0.50	50	50	49.6	50.7	99	101	70-130	2	20	
1,2-Dichloroethane	ug/L	<0.17	50	50	48.5	50.7	97	101	70-132	5	20	
1,2-Dichloropropane	ug/L	<0.23	50	50	44.3	44.6	89	89	70-130	1	20	
1,3-Dichlorobenzene	ug/L	<0.50	50	50	48.7	49.6	97	99	70-130	2	20	
1,4-Dichlorobenzene	ug/L	<0.50	50	50	47.9	48.6	96	97	70-130	1	20	

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QUALITY CONTROL DATA

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1259036 1259037

Parameter	Units	40124724001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	4.9	50	50	54.6	55.7	100	102	70-130	2	20	
Bromodichloromethane	ug/L	<0.50	50	50	45.2	44.8	90	90	70-132	1	20	
Bromoform	ug/L	<0.50	50	50	45.4	46.9	91	94	68-130	3	20	
Bromomethane	ug/L	<2.4	50	50	30.8	38.2	62	76	38-141	21	20	R1
Carbon tetrachloride	ug/L	<0.50	50	50	52.6	53.2	105	106	70-130	1	20	
Chlorobenzene	ug/L	<0.50	50	50	47.7	48.2	95	96	70-130	1	20	
Chloroethane	ug/L	<0.37	50	50	41.3	42.4	83	85	66-152	3	20	
Chloroform	ug/L	<2.5	50	50	52.7	54.1	105	108	70-130	3	20	
Chloromethane	ug/L	<0.50	50	50	37.4	37.6	75	75	44-151	1	20	
cis-1,2-Dichloroethene	ug/L	<0.26	50	50	48.6	48.5	97	97	70-130	0	20	
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	40.5	39.9	81	80	70-130	1	20	
Dibromochloromethane	ug/L	<0.50	50	50	47.1	48.8	94	98	70-130	3	20	
Dichlorodifluoromethane	ug/L	<0.22	50	50	37.4	39.0	75	78	29-160	4	20	
Ethylbenzene	ug/L	<0.50	50	50	50.6	50.4	101	101	70-132	0	20	
Isopropylbenzene (Cumene)	ug/L	15.3	50	50	69.4	69.8	108	109	70-130	0	20	
m&p-Xylene	ug/L	1.8J	100	100	104	104	102	102	70-131	0	20	
Methyl-tert-butyl ether	ug/L	<0.17	50	50	47.2	51.6	94	103	48-143	9	20	
Methylene Chloride	ug/L	<0.23	50	50	55.4	57.4	111	115	70-130	3	20	
o-Xylene	ug/L	<0.50	50	50	49.8	50.4	100	101	70-131	1	20	
Styrene	ug/L	<0.50	50	50	51.7	51.9	103	104	70-130	0	20	
Tetrachloroethene	ug/L	<0.50	50	50	48.1	47.8	96	96	70-130	1	20	
Toluene	ug/L	1.3	50	50	51.9	51.7	101	101	70-130	0	20	
trans-1,2-Dichloroethene	ug/L	<0.26	50	50	50.0	51.6	100	103	70-132	3	20	
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	41.4	41.0	83	82	70-130	1	20	
Trichloroethene	ug/L	<0.33	50	50	48.1	49.1	96	98	70-130	2	20	
Trichlorofluoromethane	ug/L	<0.18	50	50	51.3	53.8	103	108	50-153	5	20	
Vinyl chloride	ug/L	<0.18	50	50	47.9	49.9	96	100	60-155	4	20	
4-Bromofluorobenzene (S)	%						100	99	70-130			
Dibromofluoromethane (S)	%						108	106	70-130			
Toluene-d8 (S)	%						106	103	70-130			

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QUALITY CONTROL DATA

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

QC Batch: WETA/31439 — Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 — Analysis Description: 300.0 IC Anions
Associated Lab Samples: 40124714001, 40124714002, 40124714003, 40124714004, 40124714005, 40124714006, 40124714007, 40124714008, 40124714009

METHOD BLANK: 1266101 — Matrix: Water
Associated Lab Samples: 40124714001, 40124714002, 40124714003, 40124714004, 40124714005, 40124714006, 40124714007, 40124714008, 40124714009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	<2.0	4.0	11/30/15 18:53	

LABORATORY CONTROL SAMPLE: 1266102

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	20	19.6	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1266103 — 1266104

Parameter	Units	40124695011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfate	mg/L	338	200	200	550	548	106	105	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1266105 — 1266106

Parameter	Units	40124937002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfate	mg/L	42.1	100	100	141	140	99	98	90-110	1	20	

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QUALITY CONTROL DATA

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

QC Batch: WETA/31399 | Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 | Analysis Description: 353.2 Nitrogen, Dissolved, preserved
Associated Lab Samples: 40124714001, 40124714002, 40124714003, 40124714004, 40124714005

METHOD BLANK: 1264490 | Matrix: Water
Associated Lab Samples: 40124714001, 40124714002, 40124714003, 40124714004, 40124714005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3, Dissolved	mg/L	<0.095	0.25	11/24/15 12:03	

LABORATORY CONTROL SAMPLE: 1264491

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3, Dissolved	mg/L	2.5	2.5	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1264492 1264493

Parameter	Units	40124659009 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, Dissolved	mg/L	<0.095	2.5	2.5	2.6	2.5	103	101	90-110	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1264494 1264495

Parameter	Units	40124714005 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, Dissolved	mg/L	<0.095	2.5	2.5	2.4	2.3	97	94	90-110	3	20	

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QUALITY CONTROL DATA

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

QC Batch: WETA/31480 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrogen, Dissolved, preserved
Associated Lab Samples: 40124714006, 40124714007, 40124714008, 40124714009

METHOD BLANK: 1266573 Matrix: Water
Associated Lab Samples: 40124714006, 40124714007, 40124714008, 40124714009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3, Dissolved	mg/L	<0.095	0.25	12/01/15 11:11	

LABORATORY CONTROL SAMPLE: 1266574

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3, Dissolved	mg/L	2.5	2.4	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1266575 1266576

Parameter	Units	40124737006 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, Dissolved	mg/L	0.88	2.5	2.5	3.3	3.3	96	96	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1266577 1266578

Parameter	Units	40124737016 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, Dissolved	mg/L	0.11J	2.5	2.5	2.5	2.5	94	97	90-110	3	20	

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

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

QUALIFIERS

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

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

B	Analyte was detected in the associated method blank.
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
R1	RPD value was outside control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40124714001	**MW1-LDF**	EPA 6010	ICP/11483		
40124714002	**MW2-LDF**	EPA 6010	ICP/11483		
40124714003	**MW3-LDF**	EPA 6010	ICP/11483		
40124714004	**MW19**	EPA 6010	ICP/11483		
40124714005	**MW19 @ 35-40**	EPA 6010	ICP/11483		
40124714006	**MW20**	EPA 6010	ICP/11483		
40124714007	**MW20 @ 20-25**	EPA 6010	ICP/11483		
40124714008	**MW21**	EPA 6010	ICP/11483		
40124714009	**MW21 @ 35-40**	EPA 6010	ICP/11483		
40124714001	**MW1-LDF**	EPA 8260	MSV/31268		
40124714002	**MW2-LDF**	EPA 8260	MSV/31268		
40124714003	**MW3-LDF**	EPA 8260	MSV/31268		
40124714004	**MW19**	EPA 8260	MSV/31268		
40124714005	**MW19 @ 35-40**	EPA 8260	MSV/31268		
40124714006	**MW20**	EPA 8260	MSV/31268		
40124714007	**MW20 @ 20-25**	EPA 8260	MSV/31269		
40124714008	**MW21**	EPA 8260	MSV/31269		
40124714009	**MW21 @ 35-40**	EPA 8260	MSV/31269		
40124714001	**MW1-LDF**	EPA 300.0	WETA/31439		
40124714002	**MW2-LDF**	EPA 300.0	WETA/31439		
40124714003	**MW3-LDF**	EPA 300.0	WETA/31439		
40124714004	**MW19**	EPA 300.0	WETA/31439		
40124714005	**MW19 @ 35-40**	EPA 300.0	WETA/31439		
40124714006	**MW20**	EPA 300.0	WETA/31439		
40124714007	**MW20 @ 20-25**	EPA 300.0	WETA/31439		
40124714008	**MW21**	EPA 300.0	WETA/31439		
40124714009	**MW21 @ 35-40**	EPA 300.0	WETA/31439		
40124714001	**MW1-LDF**	EPA 353.2	WETA/31399		
40124714002	**MW2-LDF**	EPA 353.2	WETA/31399		
40124714003	**MW3-LDF**	EPA 353.2	WETA/31399		
40124714004	**MW19**	EPA 353.2	WETA/31399		
40124714005	**MW19 @ 35-40**	EPA 353.2	WETA/31399		
40124714006	**MW20**	EPA 353.2	WETA/31480		
40124714007	**MW20 @ 20-25**	EPA 353.2	WETA/31480		
40124714008	**MW21**	EPA 353.2	WETA/31480		
40124714009	**MW21 @ 35-40**	EPA 353.2	WETA/31480		

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EPA-R5-2017-010506_0002029

(Please Print Clearly)

Company Name:	REI
Branch/Location:	
Project Contact:	David Carsel
Phone:	715 675-9784
Project Number:	903
Project Name:	Tower Standard
Project State:	WI
Sampled By (Print):	David Carsel
Sampled By (Sign):	[signature]
PO #:	
Regulatory Program:	

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

Page 1 of

40124714

CHAIN OF CUSTODY

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

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

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

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

Matrix Codes
A = Air, 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	Nitrate	Sulfate	Dissolved Iron	Dissolved Lead	Dissolved Cadmium	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
FILTERED? (YES/NO)					N	N	N	Y	Y	Y			
PRESERVATION (CODE)*					B	C	A	D	D	D			
001	MW1-CDF	4/10/15	2:30	GW	X	X	X	X	X	X	3-40mlV B	3-250mlP ACD	
002	MW2-CDF		1:20		X	X	X	X	X	X			
003	MW3-CDF		1:50		X	X	X	X	X	X			
004	MW19	4/11/15	11:20		X	X	X	X	X	X			
005	MW19 @ 35-40		12:00		X	X	X	X	X	X			
006	MW20		12:45		X	X	X	X	X	X			
007	MW20 @ 20-25		1:30		X	X	X	X	X	X			
008	MW21		10:45		X	X	X	X	X	X			
009	MW21 @ 35-40	4/11/15	10:20		X	X	X	X	X	X			

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:
Scott Blade	11/12/15 3:00		
Walteo	11/13/15 0850	Kate Johnsamm Pace	11/13/15 0850

PACE Project No. 40124714

Receipt Temp = 2.01 °C

Sample Receipt pH: (OK) / Adjusted

Cooler Custody Seal: Present / Not Present; Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

Sample Condition Upon Receipt

Pace Analytical

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

Project #

WO#: 40124714

40124714

Client Name: REI

Courier: ☐ Fed Ex ☐ UPS ☐ Client ☐ Pace ☑ Other: Waltco

Tracking #: 915346-1, -2

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

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

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

Thermometer Used NA **Type of Ice:** (Wet) Blue Dry None ☑ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: /Corr: 2.01 **Biological Tissue is Frozen:** ☐ yes ☐ no

Temp Blank Present: ☑ yes ☐ no

Person examining contents:
Date: 11/13/15
Initials: [illegible]

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: -Includes date/time/ID/Analysis Matrix: W	☐Yes ☑No ☐N/A	12. 004 ID MW19S, 005 MW19D, 006 MW20S, 007 MW20D, 008 MW21S, MW21D KJ 11/13/15
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 [illegible] / 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: [illegible] **Date:** 11-13-15

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